NUCLEAR ENGINEERING CALCULATION COVER SHEET
NEPM-QA-0221-1

1. Page 1 of 572
Total Pages 572

>2. TYPE: CALC >3. NUMBER: EC- ENVR-1057 >4. REVISION: 0

*>5. UNIT 3 *>6. QUALITY CLASS: Q

>7. DESCRIPTION: Offsite X/Q values for the SSES based on 1999-2003 meteorological data.

8. SUPERSEDED BY: N/A

9. Alternate Number: C-1375806-02 10. Cycle:

11. Computer Code/Model used: See Report 12. Discipline: R

>13. Are any results of this calculation described in the Licensing Documents?

☒ Yes, *Refer to NDAP-QA-0730 and NDAP-QA-0731* ☐ No

>14. Is this calculation changing any method of evaluation described in the FSAR and using the results to support or change the FSAR? (Refer to PPL Resource Manual for Definition of FSAR)

☒ Yes, *50.59 screen or evaluation required.* ☐ No

>15. Is this calculation Prepared by an External Organization?

☒ Yes ☐ No

EG771 Qualifications may not be required for individuals from external organizations (see Section 7.4.3).

	Print Name(EG771 Qualification Required)	Signature	Date
>16. Prepared by:	Jackie Lewis	Jackie Lewis	4/4/05
>17. Reviewed by:	KEITH WOODARD	[signature]	4/4/05
>18. Verified by:	KEITH WOODARD	[signature]	4/4/05
>19. Approved by:	Mark Abrams (Qualified per NEPM-QA-0241 and comply with Section 7.8 of NEPM-QA-0221)	[signature]	4/4/05
>20. Accepted by:	TERRENCE F. MACKAY (Qualification Required) and comply with Section 7.9 of NEPM-QA-0221	Terrence F. Mackay	4/18/05

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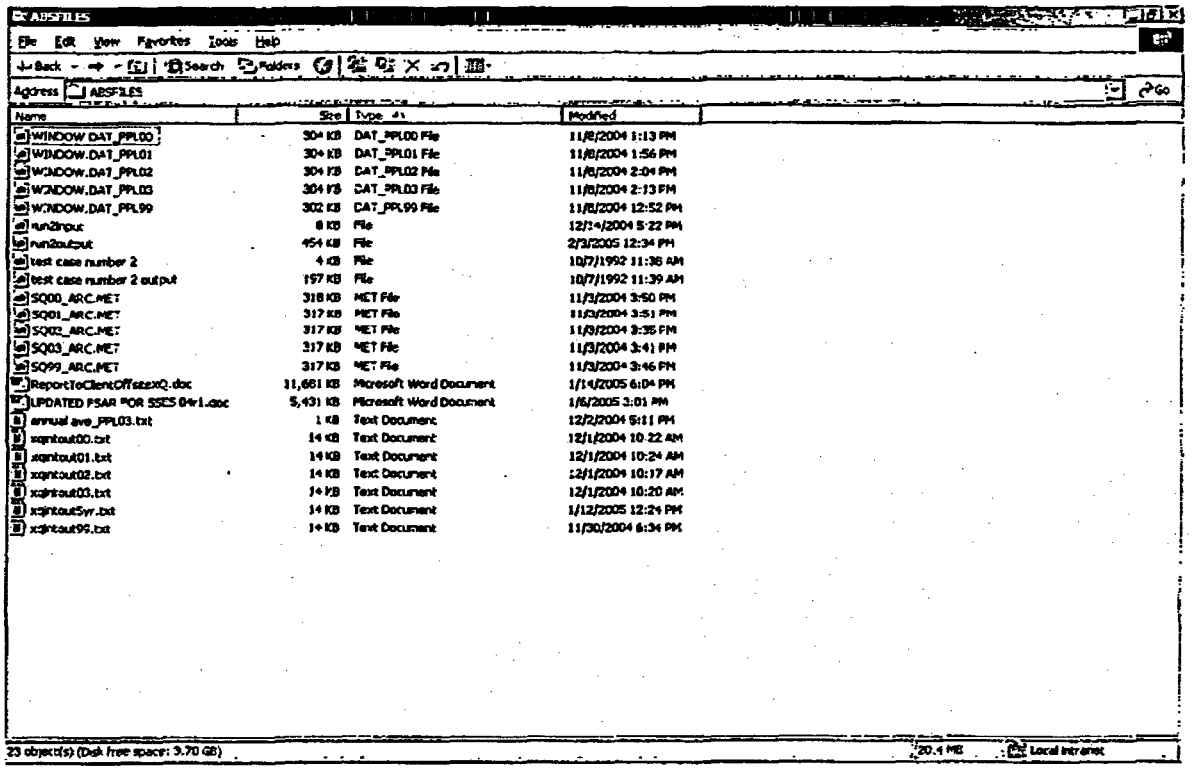
PACKAGE CONTENTS

1. ABS Consulting Calculation C-1375806-02, "Offsite X/Q Values For SSES Based On 1999-2003 Meteorological Data", 1/14/2005.

2. Backup:

   a. Letter to Bruce Carson from Keith Woodard dated January 18,2000 (Calculation C-1375806-02, Reference 3).
   b. Letter to Bruce Carson from Keith Woodard dated December 22, 1999.
   c. Letter to Bruce Carson from Keith Woodard dated December 8, 1998 (Calculation C-1375806-02, Reference 4).
   d. PPL Letter PLE-23733 (Calculation C-1375806-02, Reference 5).
   e. Design Review Checklist
   f. Letter to Frank Hickey from Mark Abrams dated January 14, 2005.

3. ABS Consulting Calculation C-1375806-02 Electron Files:



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WINDOW.DAT_PPL99	302 KB	DAT_PPL99 File	11/8/2004 12:52 PM
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test case number 2 output	197 KB	File	10/7/1992 11:39 AM
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CALCULATION COVER SHEET

Calculation No.	C-1375806-02
Project:	Susquehanna Steam Electric Station Control Room and X/Q Calculations
Calculation Title:	Offsite X/Q Values for the SSES Based on 1999-2003 Meteorological Data
References:	PPL Purchase Order Number 263116-C
Attachments:	See Table of Contents

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0	1/14/2005	Original			

OFFSITE X/Q VALUES FOR THE SSES BASED ON 1999-2003 METEOROLOGICAL DATA

Prepared for

PPL Susquehanna LLC

By

ABS Consulting, Inc.

January 2005

ABS Consulting

OFFSITE X/Q VALUES FOR THE SSES BASED ON 1999-2003 METEOROLOGICAL DATA

Table of Contents

1 OBJECTIVE 4

2 CONCLUSIONS 4

3 INPUT DATA 4

3.1 Historical Meteorological Data 4

3.2 Hourly Meteorological Data (1999-2003) Used in This Study 5

3.3 Plant/Site Parameters 5

4 METHODOLOGY 5

4.1 Regulatory Guides 5

4.2 Accident Calculations 5

4.2.1 Short Term Accident 5

4.2.2 Long Term Accident 5

4.3 Routine Releases 6

4.3.1 XDCALC Program 6

5 RESULTS 6

5.1 Accident X/Q Values 6

5.2 WINDOW 6

5.2.1 Direction Independent EAB 6

5.2.2 Direction Dependent EAB 6

5.2.3 Direction Independent LPZ 6

5.2.4 Direction Dependent LPZ 6

5.3 PAVAN 6

5.4 XDCALC (Annual Average) 7

6 REFERENCES 7

5.4 XDCALC (Annual Average) 7

Table 1. Calculated X/Q Values FOR USE IN ACCIDENT CALCULATIONS 8

Table 2. Summary of Short-Term X/Q (sec/m3) results at 549 meter EAB 9

Table 3. Summary of Long-Term ACCIDENT X/Q (sec/m3) WINDOW PROGRAM Results at 4827 meter LPZ 10

Table 4. Comparison of Calculated X/Q Values in this Study with PAVAN Values 11

Table 5. SSES Plant/site Characteristics 12

Table of Figures

Figure 1 - Interpolated X/Q Values at the LPZ 13

Figure 2 - 1-Hour Direction Independent X/Q at the EAB 14

Figure 3 - Long Term Direction Independent X/Q at the LPZ 15

Figure 4 - 1 hr Direction Dependent X/Q Values at the EAB 16

Figure 5 - Average 8 hr LPZ Release 17

Figure 6 - Average 16 hr LPZ Release 18

Figure 7 - Average 72 hr LPZ Release 19

Figure 8 - Average 624 hr LPZ Release 20

Figure 9 - 1 hr Direction Dependent X/Q Values at LPZ 21

Figure 10 - Direction Dependent X/Q Values at the LPZ 22

Attachment A - SSES FSAR Excerpt A-1
Attachment B - XDCALC Program Setup B-1
Attachment C - Users Manual for the WINDOW Program C-1
Attachment D - WINDOW Program Dedication D-1
Attachment E - Users Manual and Certification Package for XDCALC E-1
Attachment F - WINDOW Output Results for Each of 5-Years F-1
Attachment G - PAVAN Calculation Results G-1
Attachment H - XDCALC Output Results for Each of 5-Years H-1

1 OBJECTIVE

The objective of this study was to compute accident and annual average X/Q values for the SSES at the EAB and LPZ distances as well as selected receptor locations using the most recent five year period (1999-2003) of onsite weather data. For accident X/Q values we followed guidance in U.S. NRC Regulatory Guide 1.145 (Reference 1) to prepare appropriate sections that can be used to update the FSAR. Calculations were made using our WINDOW computer program and the NRC's PAVAN program. The Annual Average X/Q values for use with routine releases were calculated using our XDCALC computer program following the guidance in U.S. NRC Regulatory Guide 1.111 (Reference 2).

A second objective was to prepare replacement sections for use in updating the FSAR.

2 CONCLUSIONS

A complete set of FSAR updated sections is included as Attachment A to this document. The basis for the USNRC Regulatory Guide 1.145 interpolation results provided in the FSAR update in Attachment A is shown in Figure 1.

Results are summarized in Tables 1 through 3. As shown in Tables 1 and 2, the short-term (0-2hr) 0.5% direction-dependent X/Q value at the EAB is 8.3E-4 sec/m^3. The calculations in this report have slightly higher X/Q values than previous calculations made by ABS (References 3 & 4) due to the smaller building dimensions provided by SSES engineers (Reference 5) that affect the building wake.

The longer-term accident X/Q values were calculated using ABS's WINDOW computer program and an interpolation method in accordance with Regulatory Guide 1.145. Results are shown in Table 1. As expected longer term values obtained using the interpolation method were found to be higher than those obtained using actual averages in the WINDOW program. Results of all WINDOW calculations at the LPZ are shown in Table 3. Results in Table 3 are lower than those using the interpolation method since only the 1 hour and the annual average values computed by the WINDOW program are used in the interpolation method. Table 1 also provides realistic (50% probable) X/Q values using both the WINDOW and interpolation methods. Direction-independent results are used because they are higher than direction-dependent results at the 50% probable level.

Comparisons from year to year show consistency.

Results obtained using the NRC's PAVAN program are very close to those obtained using the WINDOW program as shown in Table 4.

Annual average X/Q values at all receptor locations provided by SSES are given in Section 2.3.5 of Attachment A. These results are consistent with results in annual meteorological summaries provided by ABS Consulting.

3 INPUT DATA

3.1 Historical Meteorological Data

Calculation of off-site X/Q values requires the availability of meteorological data from the site as well as various plant and site parameters. In the past we received several sets of data; including; (1) four years of hourly records for 1973 through 1976, (2) four years of data for 1994-1997 and (3) more recent hourly records from the existing SSES tower for 1999 through 2003. Our evaluation of the most recent records follows.

3.2 Hourly Meteorological Data (1999-2003) Used in This Study

In this study we ran the WINDOW, PAVAN and XDCALC programs using the most recent five year period of data (1999 - 2003). Comparisions with previous years provide assurance that these data are representative of conditions at the site and are appropriate for use in the FSAR update.

3.3 Plant/Site Parameters

The calculations require certain basic plant dimensions and site characteristics. Table 5 lists the values used in this study. Note, the building wake dimensions are slightly smaller than used in previous studies. This was based on a detailed evaluation by SSES (Reference 5)

4 METHODOLOGY

4.1 Regulatory Guides

Values of X/Q for the SSES were calculated in this study using methodology in USNRC Regulatory Guide 1.145 and provided in Section 2.3.4 of the new FSAR sections (see attachment A). Regulatory Guide 1.145 utilizes 0.5% of the highest sector. All direction-dependent results presented here are at the 0.5% level. Results for the direction independent 5% level are always lower than for the direction-dependent 0.5% level and thus are not used in accordance with Regulatory Guide 1.145. USNRC Regulatory Guide 1.111 defines the methodology for calculating annual average X/Q from routine releases.

4.2 Accident Calculations

4.2.1 Short Term Accident

4.2.1.1 WINDOW Program

The Regulatory Guide 1.145 equations were programmed into the WINDOW computer program that was used for all calculations in this report. The methodology is described in Section 2.3.4.3 of the FSAR update in Attachment A. Attachment B, Part 1 is a completed setup sheet for the WINDOW program calculations. Attachment C includes the User's Manual for the WINDOW program and Attachment D is the Verification package for the WINDOW program.

The 1-hour X/Q values at the EAB were computed and plotted as cumulative probability distributions. Both direction-dependent and direction-independent distributions were plotted on a log-log scale and were used to read the 0.5% and 5% probable values, respectively.

4.2.2 Long Term Accident

4.2.2.1 WINDOW Program

The Regulatory Guide 1.145 equations programmed into the WINDOW computer program also provide X/Q values for longer-term accident releases at the LPZ. For longer-term accident calculations X/Q values between the 1-hour X/Q direction-dependent values and the annual average values are plotted on a log-log scale. Values used in accident dose calculations at intermediate time periods are read from the plot. This method is illustrated in Figure 1 and is used to obtain longer term accident X/Q values in Table 1 for the LPZ in conformance with the interpolation method in Regulatory Guide 1.145.

4.2.2.2 PAVAN Program

The NRC program named PAVAN was used as an added check on WINDOW program results. The calculated values from both programs were very close as shown in Table 4.

4.3 Routine Releases

4.3.1 XDCALC Program

The XDCALC program is used to compute dispersion for each hour of weather data from the site using the straight-line Gaussian model. Results are averaged over the year in each location. The equations follow U.S. NRC Regulatory Guide 1.111 methodology as described in Section 2.3.5 of Attachment A. X/Q calculations are made at user specified locations. Attachment B, Part 2 includes the program setup printout. Attachment E is the User's Manual and certification package for the XDCALC program.

5 RESULTS

5.1 Accident X/Q Values

Accident X/Q calculations results for both direction dependent and direction independent methods as well as the interpolation method are presented in this section. Only results obtained using the U. S. NRC Regulatory Guide 1.145 methodology were incorporated into the FSAR Update in Attachment A.

5.2 WINDOW

Output from the WINDOW program runs was plotted on log-log scales. Results from the WINDOW program runs for each of the 5 years is provided in Attachment F. Results at the appropriate probability level were taken from the plots developed from combined the results for the 5 years of meteorological data.

5.2.1 Direction Independent EAB

Figure 2 provides the 5-year results for the 1-hour direction independent EAB X/Q values.

5.2.2 Direction Dependent EAB

Figure 4 provides the 5-year results for the 1-hour direction dependent X/Q values at the EAB. Since these are higher than the direction independent values they are used for all short term accident calculations.

5.2.3 Direction Independent LPZ

Figure 3 provides the 5 year results for the longer term accident X/Q values for averaging times of 1, 2, 8, 16, 72, and 624 hours. Only the 1-hour and annual average values were used as input to the interpolation method. They were only used for the 50% probable values since direction dependent values are lower.

5.2.4 Direction Dependent LPZ

Figures 5, 6, 7, 8, and 9 provide the 5-year results for each of the longer term periods. Again values taken from these plots were used in Figure 1 as part of the interpolation method. Figure 10 shows a comparison of results obtained using the WINDOW code averaging method with those obtained using the Regulatory Guide 1.145 methodology. As shown the more accurate method in the WINDOW program results in lower values.

5.3 PAVAN

PAVAN calculation results can be found in Attachment G. The 5-year calculations were very close to those obtained by the WINDOW program as shown in Table 4.

5.4 XDCALC (Annual Average)

XDCALC was run for a five year period (1999-2003) to calculate annual and five year average χ/Q, decayed and depleted χ/Q and deposition values at the site boundary and exclusion area boundary for each of the standard 16 direction sectors. Additional results were calculated at site specific receptor locations. It was also run for the 5-year period for 10 distances out to 50 miles. All of these results can be found in the FSAR Update in Section 2.3.5 of Attachment A. Output printed from the XDCALC runs is provided in Attachment H.

6 REFERENCES

1. Nuclear Regulatory Commission Regulatory Guide 1.145, Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants, 1982.

2. Nuclear Regulatory Commission, Regulatory Guide 1.111, Methods for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routine Releases from Light-Water-Cooled Reactors, 1977.

3. Letter to Bruce Carson from Keith Woodard dated January 18, 2000.

4. Letter to Bruce Carson from Keith Woodard dated December 8, 1998.

5. Letter from Terrence Mackay to Mark Abrams concerning building dimensions dated November 5, 2004.

6. US Atomic Energy Commission, Meteorology and Atomic Energy, 1968.

7. American Nuclear Society, Determining Meteorological Information at Nuclear Facilities, ANSI/ANS-3.11-2000, 2000.

8. Susquehanna Steam Electric Station Unit1 and 2: Final Safety Analysis Report, Section 2.3, Meteorology.

TABLE 1. CALCULATED X/Q VALUES FOR USE IN ACCIDENT CALCULATIONS
(1999 – 2003 Meteorological Data)

0.5% Direction Dependent X/Q (sec/m^3)

Time (hours)	Distance (m)	X/Q (Using WINDOW Program)	Figure Reference for X/Q	Interpolated X/Q (R.G. 1.145)	Figure Reference for Interpolated X/Q
0-2	549	8.3E-04	(4)	N/A	N/A
0-8	4827	6.2E-05	(5)	4.9E-05	(1)
8-24	4827	8.9E-06	(6)	3.5E-05	(1)
24-96	4827	5.0E-06	(7)	1.7E-05	(1)
96-720	4827	3.0E-06	(8)	6.1E-6	(1)

50% Direction Independent X/Q (sec/m^3)

Time (hours)	Distance (m)	X/Q Using WINDOW Calculation	Figure Reference for X/Q	Interpolated X/Q (R.G. 1.145)	
0-2	549	1.3E-4	(2)	N/A	N/A
0-8	4827	4.8E-6	(3)	4.8E-6	(1)
8-24	4827	1.7E-6	(3)	3.8E-6	(1)
24-96	4827	1.5E-6	(3)	2.3E-6	(1)
96-720	4827	1.5E-6	(3)	1.1E-6	(1)

(#) number in parenthesis is the figure number in this report

TABLE 2. SUMMARY OF SHORT-TERM X/Q (SEC/M3) RESULTS AT 549 METER EAB

Period of Record	Data Source	Method	1-hour 5% Direction Independent	1-hour 0.5% Direction Dependent	1-hour 50% Direction Independent
1999	SSES tower	WINDOW	6.5E-4	8.4E-4	1.2E-4
2000	SSES tower	WINDOW	6.5E-4	8.2E-4	1.3E-4
2001	SSES tower	WINDOW	6.6E-4	8.3E-4	1.4E-4
2002	SSES tower	WINDOW	6.6E-4	8.4E-4	1.2E-4
2003	SSES tower	WINDOW	4.9E-4	7.9E-4	1.2E-4
5-year Combined	SSES tower	WINDOW	6.5E-4 (2)	8.3E-4 (4)	1.3E-4 (2)

(#) Number in parentheses is figure number reference in this report.

TABLE 3. SUMMARY OF LONG-TERM ACCIDENT X/Q (SEC/M3) WINDOW PROGRAM RESULTS AT 4827 METER LPZ

Period of Record	Method	0-8 hours		8-24 hours		24-96 hours		96-720 hours	
		5%*	0.5%**	5%*	0.5%**	5%*	0.5%**	5%*	0.5% ***
1999	WINDOW	3.7E-5	6.5E-5	5.9E-6	9.2E-6	3.6E-6	5.0E-6	3.0E-6	3.0E-6
2000	WINDOW	3.6E-5	6.2E-5	6.1E-6	8.6E-6	3.7E-6	4.9E-6	2.6E-6	3.0E-6
2001	WINDOW	3.7E-5	6.4E-5	6.1E-6	9.7E-6	4.0E-6	5.3E-6	3.0E-6	3.0E-6
2002	WINDOW	3.7E-5	6.4E-5	6.1E-6	8.9E-6	3.7E-6	5.0E-6	3.0E-6	3.0E-6
2003	WINDOW	3.3E-5	5.9E-5	5.8E-6	8.4E-6	3.6E-6	5.5E-6	2.0E-6	3.0E-6
5-year Combined	WINDOW	3.6E-5 (3)	6.2E-5 (5)	6.0E-6 (3)	8.9E-6 (6)	3.7E-6 (3)	5.0E-6 (7)	2.7E-6 (3)	3.0E-6 *** (8)

*Direction-independent

**Direction-dependent

*** Note: Values for 624 hours were not plotted for each year. Estimates for each year exceeded 2.0E-6 and are less than 3.0E-6. The higher value is presented in this report.

(#) number in parentheses is figure number in this report

TABLE 4. COMPARISON OF CALCULATED X/Q VALUES IN THIS STUDY WITH PAVAN VALUES
(1999 – 2003 Data)

Time (hours)	Distance (m)	X/Q (sec/m^3) 0.5% Direction Dependent	
		PAVAN	WINDOW
1-hr	549	8.3E-4	8.3E-04 (4)
1-hr	4827	9.1E-5	9.6E-5 (9)
Annual Average	4827	2.1E-6	1.7E-6
		PAVAN	WINDOW with Reg. Guide 1.145 Interpolation
0-8	4827	4.9E-05	4.9E-05 (1)
8-24	4827	3.6E-05	3.5E-05 (1)
24-96	4827	1.8E-05	1.7E-05 (1)
96-720	4827	6.9E-06	6.1E-06 (1)

TABLE 5. SSES PLANT/SITE CHARACTERISTICS

Parameter	Value	Reference*
Wind speed sensor height (m)	10	(8)
Wind direction sensor height (m)	10	(8)
Vertical temperature levels (m); (upper-lower)	60-10	(8)
Distance to site boundary (m)	549	(1)
Distance to LPZ (m)	4827	(1)
Building wake coefficient	0.5	(1)
Release height	Ground level in building wake	(1)
Reactor building height (m)	60	(5)
Vertical cross-sectional area of Reactor Building (m2)	2685	(5)
Speed assumed for calms (m/s)	0.22	(1)
Sigma y and sigma z curves for Pasquill-Gifford stability groups	Figures 3.10, 3.11 of Meteorology and Atomic Energy, 1968	(6)
Conversion of delta-T to Pasquill-Gifford stability groups	Table 2 of ANSI/ANS-3.11-2000	(7)

*See Section 6.0

Figure 1 - Interpolated X/Q Values at the LPZ
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)

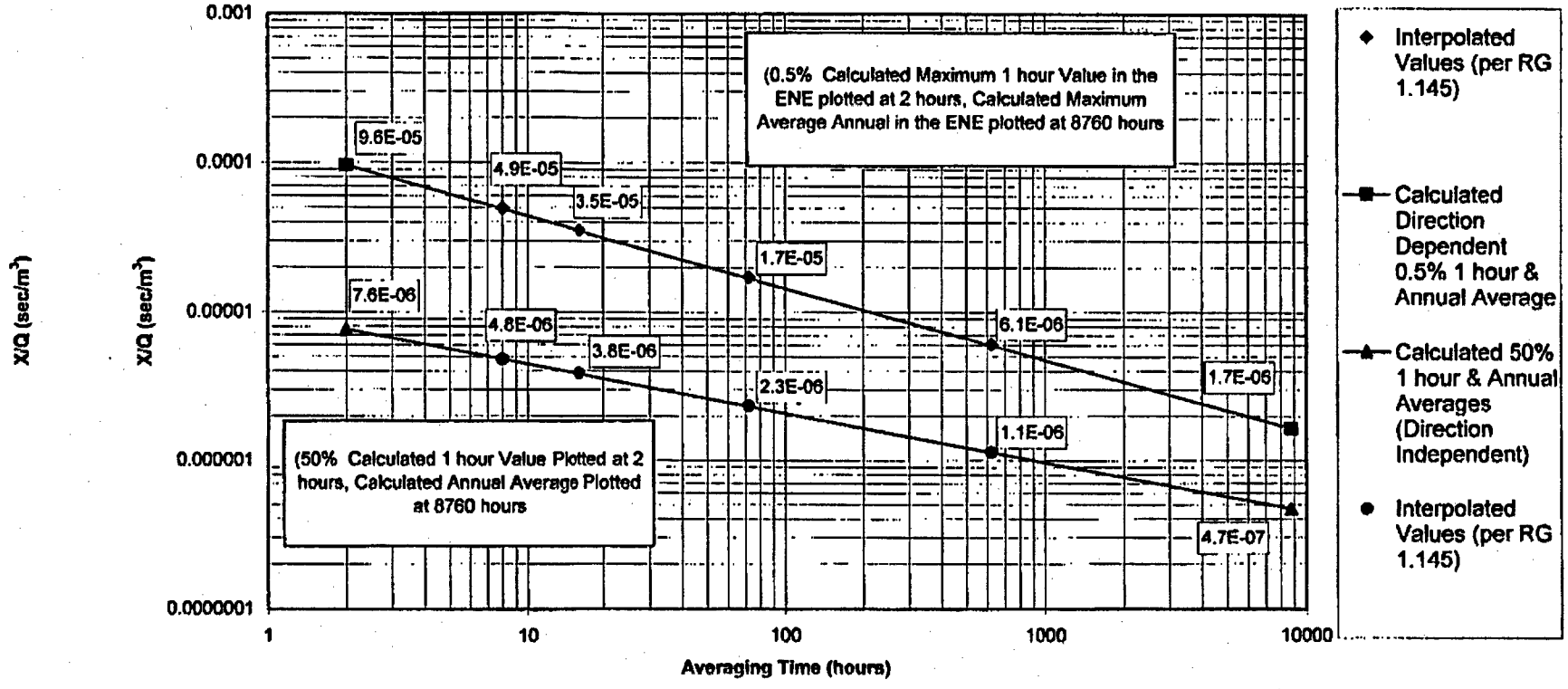


Figure 2 1-Hour Direction Independent X/Q at the EAB
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)

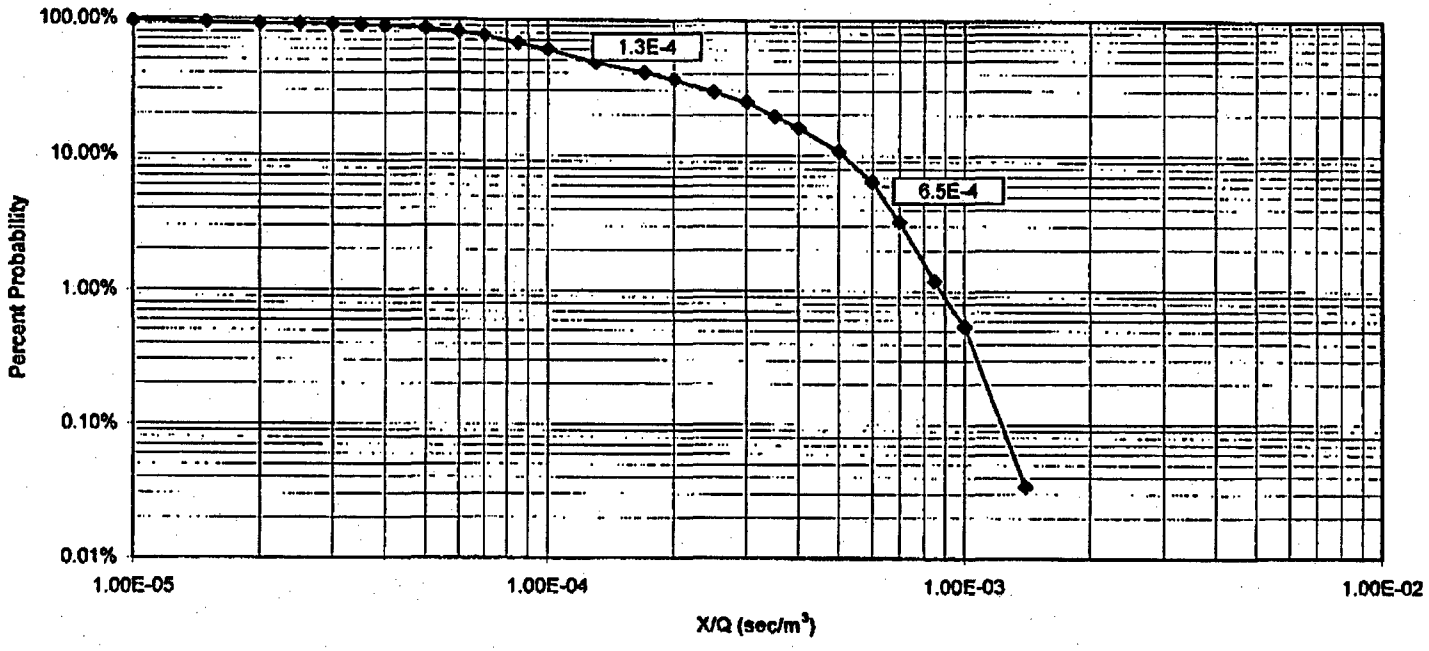


Figure 3 - Long Term Direction Independent X/Q at the LPZ
(weighted average of 1999, 2000, 2001, 2002, 2003 Calculations)

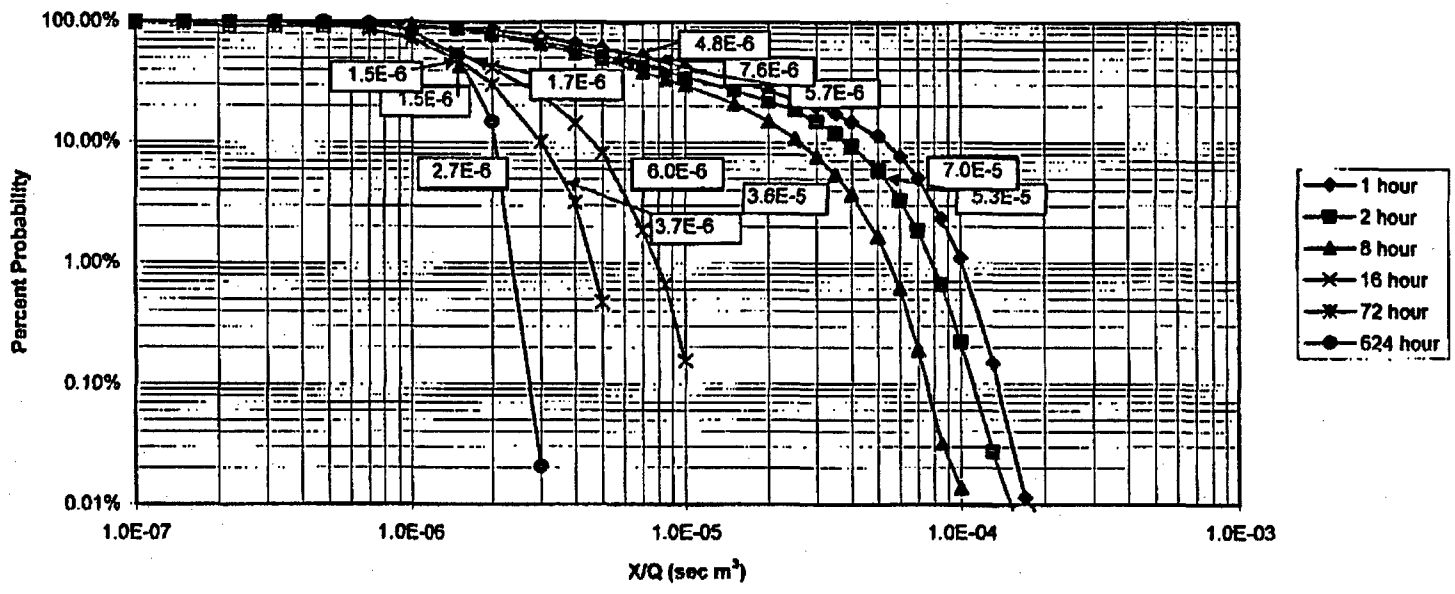


Figure 4 - 1 hr Direction Dependent X/Q Values at the EAB
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)

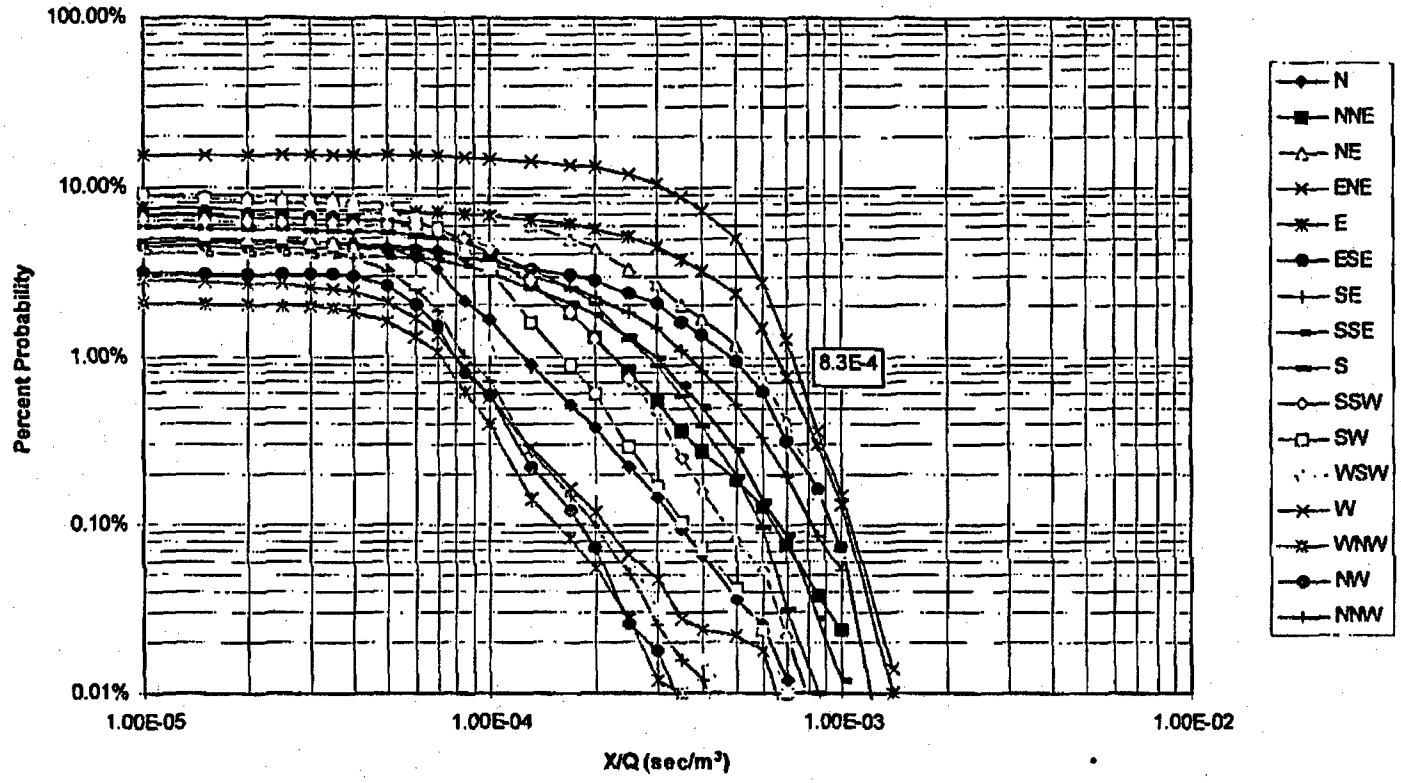


Figure 5 - Average 8 hr LPZ Release
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)

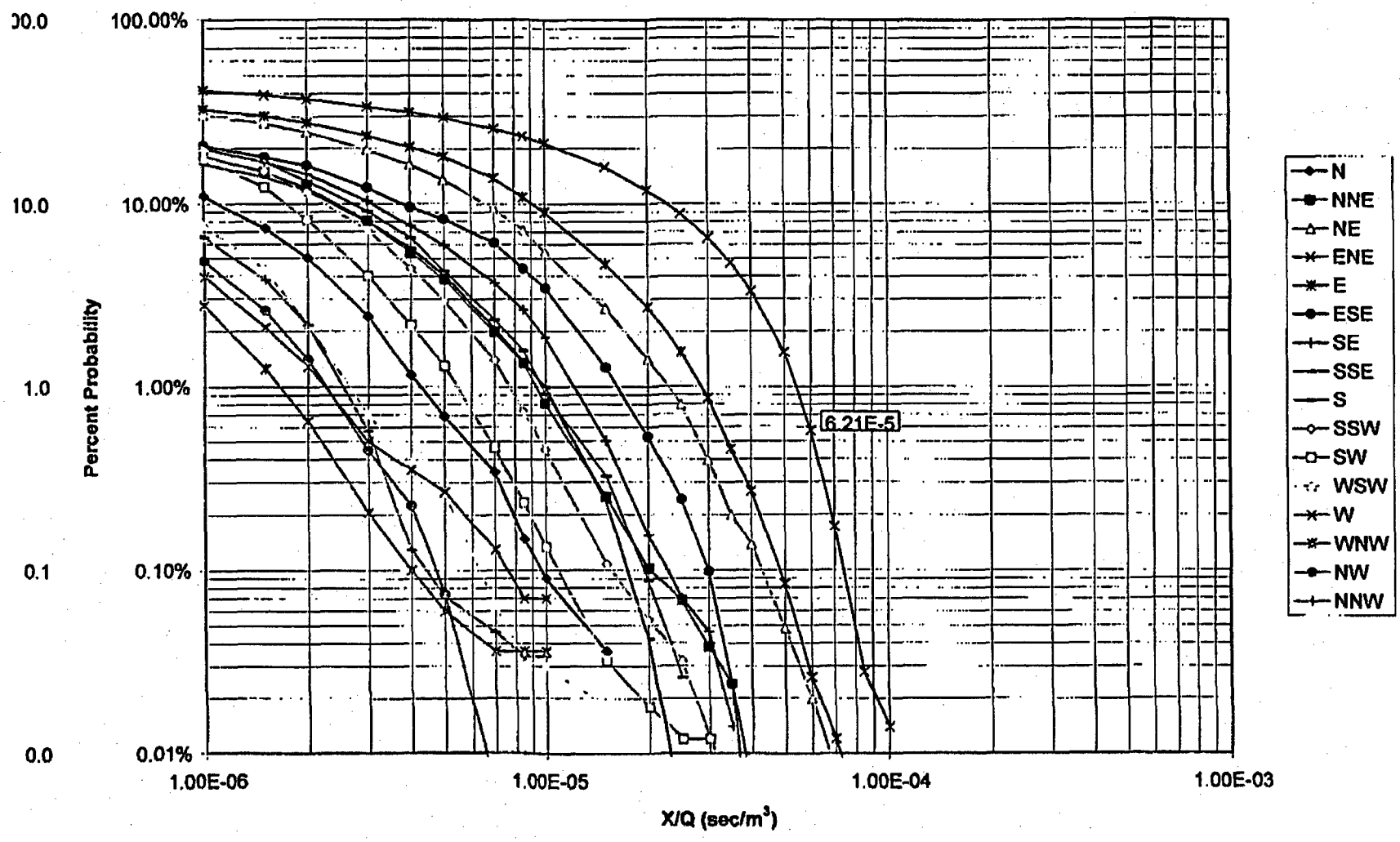


Figure 6 - Average 16 hr LPZ Release
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)

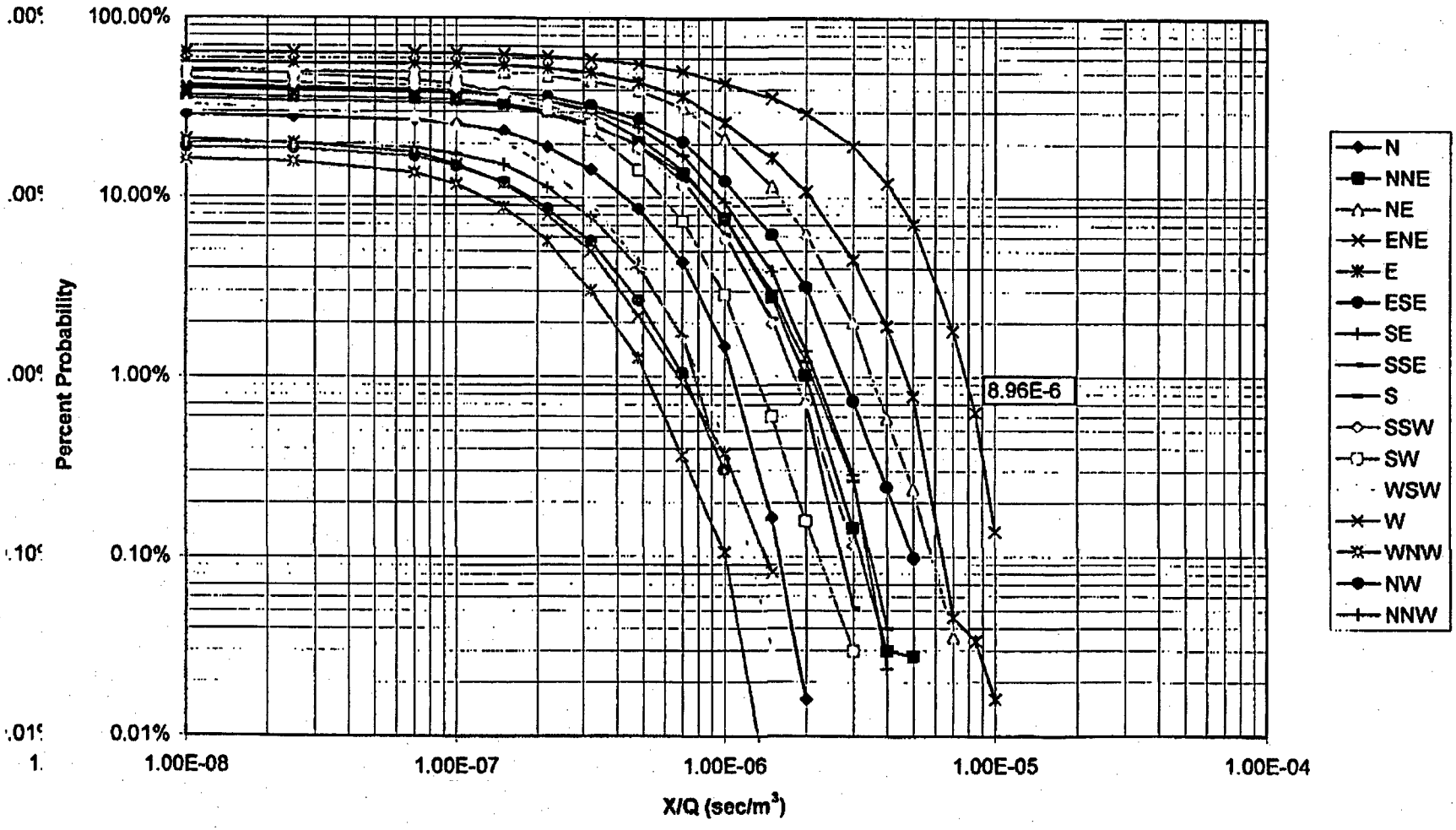


Figure 7 - Average 72 hr LPZ Release
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)

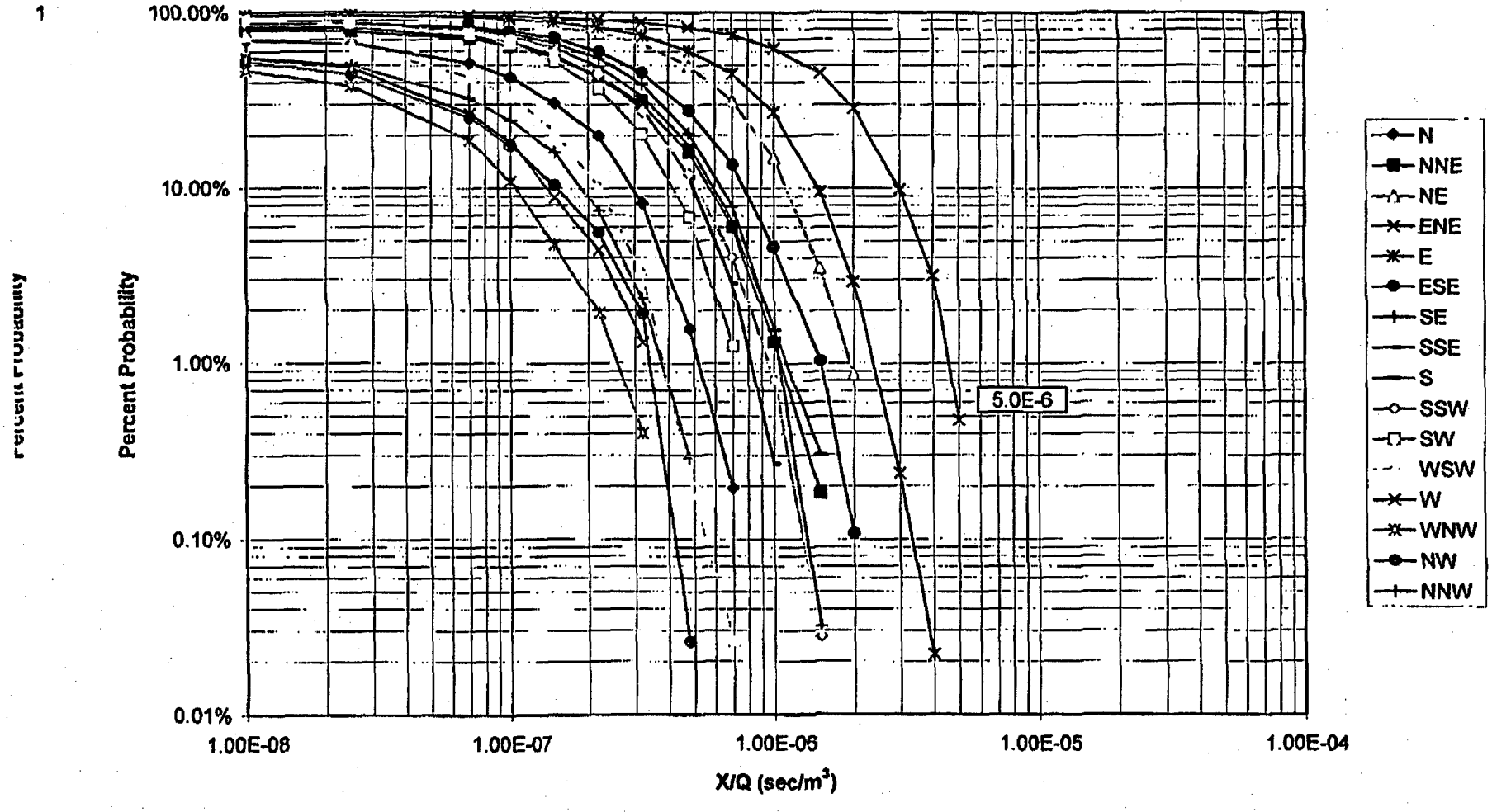


Figure 8 - Average 624 hr LPZ Release
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)

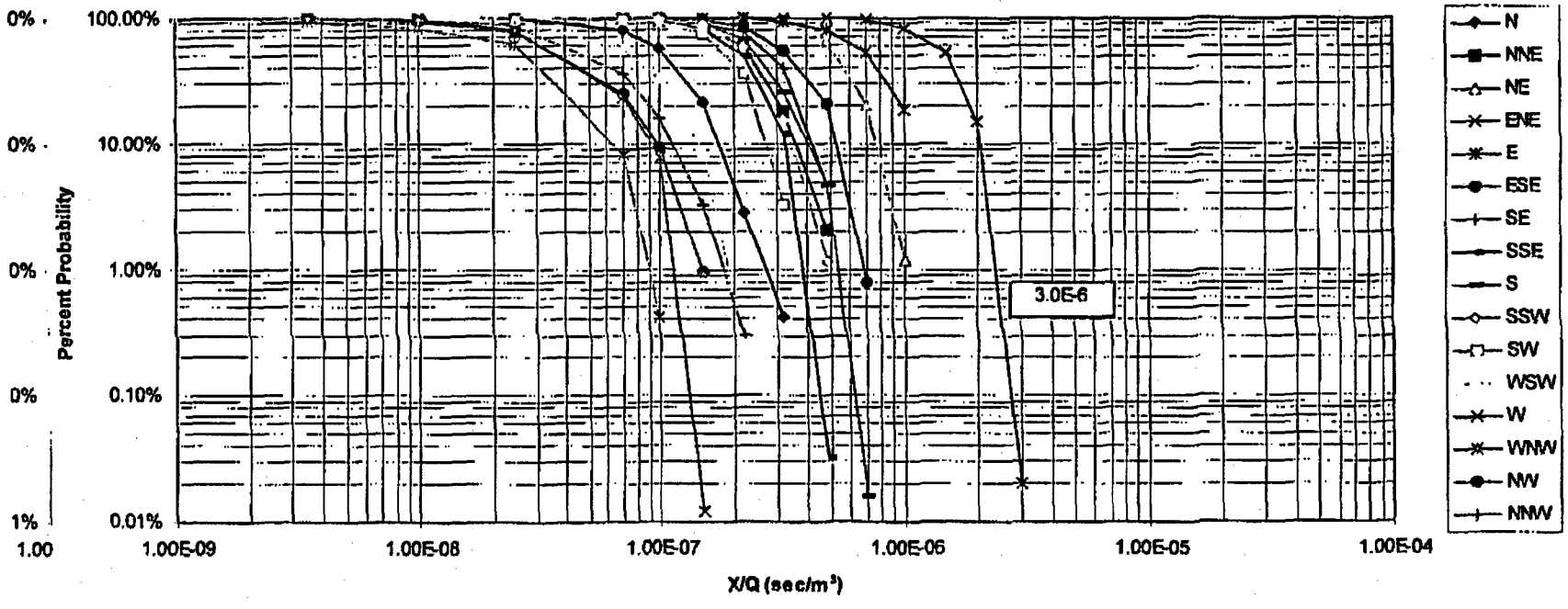


Figure 9 - 1 hr Direction Dependent X/Q Values at LPZ
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)

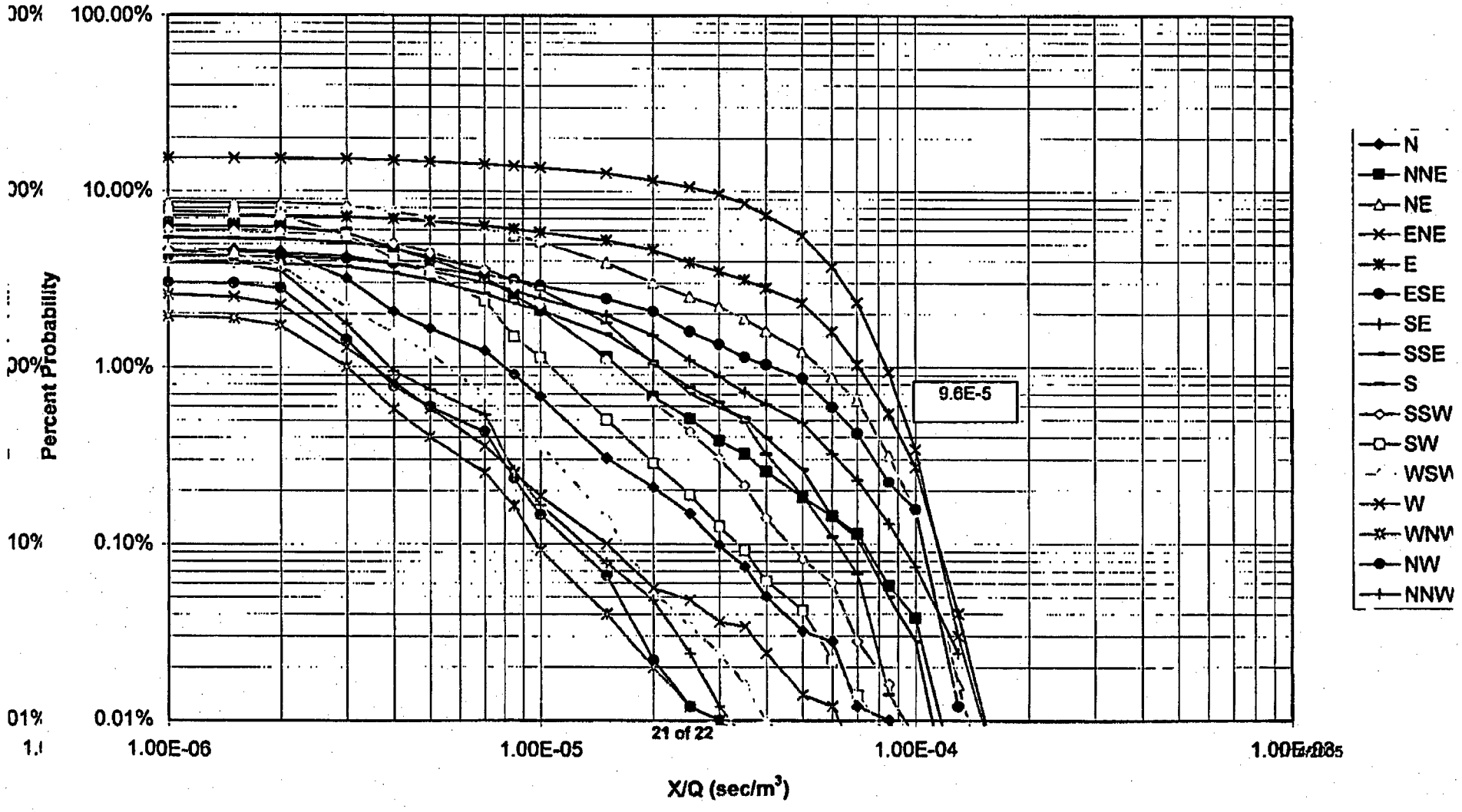
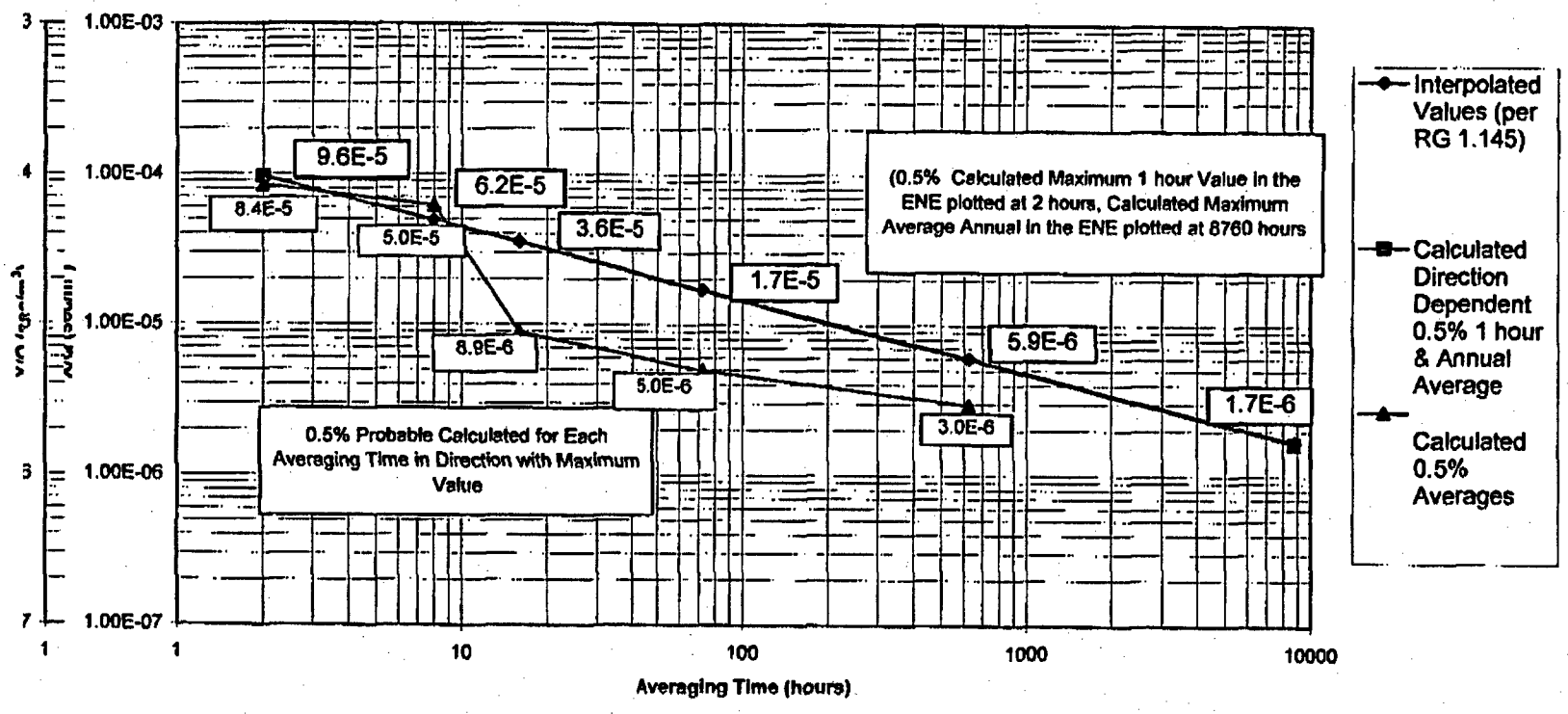


Figure 10 - Direction Dependent X/Q Values at the LPZ
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)



Attachment A

SSES FSAR Excerpt

SUSQUEHANNA

STEAM ELECTRIC STATION

FSAR UPDATE

Submitted to

PPL Susquehanna LLC

Prepared by

ABS Consulting, Inc.

Report C-1375806, Rev. 0

December 2004

ABS Consulting

TABLE OF CONTENTS

	Page
2.3.4 Short-Term (Accident) Diffusion Estimates	1
2.3.4.1 Short-Term (0-2 hours) Releases	1
2.3.4.1.1 Direction-Independent Calculations	1
2.3.4.1.2 Direction-Dependent Calculations	1
2.3.4.1.3 Determining Appropriate Short-Term Dispersion	2
2.3.4.2 Long-Term Releases	2
2.3.4.3 Analytical Methods for Dispersion Computations	2
2.3.5 Long-Term (Routine) Diffusion Estimates	4
2.3.5.1 Atmospheric Diffusion Models	4
2.3.5.1.1 Straight-Line Airflow Model	4
2.3.5.1.2 Terrain/Recirculation Correction Factors	5
2.3.5.1.3 Deposition and Depleted X/Q's	5
2.3.5.1.4 Results of Long-Term Diffusion Estimates	6
2.3 Additional References	7
LIST OF FIGURES	ii

Figure	Page
2.3-6 One Hour Direction Independent X/Q at the EAB (Weighted Average of 1999 2000, 2001, 2002 and 2003 Calculations	8
2.3-7 One Hour Direction Dependent X/Q Values at the EAB (Weighted Average of 1999, 2000, 2001, 2002 and 2003 Calculations)	9
2.3-8 Long Term Direction Dependent X/Q Values at the LPZ (Maximum of all Directions for Each Probability and Each Time Period) (Weighted Average of 1999, 2000, 2001, 2002 and 2003 Calculations)	10
2.3-9 One Hour Direction Independent X/Q at the LPZ (Weighted Average of 1999, 2000, 2001, 2002 and 2003 Calculations)	11
2.3-10 Interpolated X/Q Values at the LPZ (Weighted Average of 1999, 2000, 2001 2002, and 2003 Calculations)	12

LIST OF TABLES iii

Table Page

2.3-74 Meteorological Data Recovery Rates 1998 Through 2003 13

2.3-75-2.3-82 Joint Frequency Distribution 10M Wind Speed and Direction versus Delta Temperature 60-10M for the Period of 01/01/99 Through 12/31/03 14

2.3-83 This Table Intentionally Left Blank 22

2.3-84-2.3-91 Joint Frequency Distribution 60M Wind Speed and Direction versus Delta Temperature 60-10M for the Period of 01/01/99 Through 12/31/03 23

2.3-92 Summary of Short-Term X/Q (SEC/M3) Results at 549M EAB 31

2.3-93 1999 Probability Values for 1 Hour at SSES EAB 32

2.3-94 2000 Probability Values for 1 Hour at SSES EAB 33

2.3-95 2001 Probability Values for 1 Hour at SSES EAB 34

2.3-96 2002 Probability Values for 1 Hour at SSES EAB 35

2.3-97 2003 Probability Values for 1 Hour at SSES EAB 36

2.3-98 1999-2003 Probability Values for 1 Hour at SSES EAB 37

2.3-99 1999 Probability Values for 1 Hour at SSES LPZ 38

2.3-100 2000 Probability Values for 1 Hour at SSES LPZ 39

2.3-101 2001 Probability Values for 1 Hour at SSES LPZ 40

2.3-102 2002 Probability Values for 1 Hour at SSES LPZ 41

2.3-103 2003 Probability Values for 1 Hour at SSES LPZ 42

2.3-104 1999-2003 Probability Values for 1 Hour at SSES LPZ 43

2.3-105 Summary of Long-Term X/Q (SEC/M3) Results at 4827M LPZ 44

2.3-106 Distances and Terrain/Recirculation Correction Factors for SSES 2003 Land Use Census Locations 45

2.3-106 Distances and Terrain/Recirculation Correction Factors for SSES 2003 Land Use Census Locations 45

Table		Page
2.3-107	1999 Average Relative Concentration (SEC/Meter^3) and Deposition (Meter^{-2}) Estimates at the Site Boundary	46
2.3-108	2000 Average Relative Concentration (SEC/Meter^3) and Deposition (Meter^{-2}) Estimates at the Site Boundary	47
2.3-109	2001 Average Relative Concentration (SEC/Meter^3) and Deposition (Meter^{-2}) Estimates at the Site Boundary	48
2.3-110	2002 Average Relative Concentration (SEC/Meter^3) and Deposition (Meter^{-2}) Estimates at the Site Boundary	49
2.3-111	2003 Average Relative Concentration (SEC/Meter^3) and Deposition (Meter^{-2}) Estimates at the Site Boundary	50
2.3-112	1999-2003 Average Relative Concentration (SEC/Meter^3) and Deposition (Meter^{-2}) Estimates at the Site Boundary	51
2.3-113	1999 Average Relative Concentration (SEC/Meter^3) and Deposition (Meter^{-2}) Estimates at the Exclusion Area Boundary	52
2.3-114	2000 Average Relative Concentration (SEC/Meter^3) and Deposition (Meter^{-2}) Estimates at the Exclusion Area Boundary	53
2.3-115	2001 Average Relative Concentration (SEC/Meter^3) and Deposition (Meter^{-2}) Estimates at the Exclusion Area Boundary	54
2.3-116	2002 Average Relative Concentration (SEC/Meter^3) and Deposition (Meter^{-2}) Estimates at the Exclusion Area Boundary	55
2.3-117	2003 Average Relative Concentration (SEC/Meter^3) and Deposition (Meter^{-2}) Estimates at the Exclusion Area Boundary	56
2.3-118	1999-2003 Average Relative Concentration (SEC/Meter^3) and Deposition (Meter^{-2}) Estimates at the Exclusion Area Boundary	57
2.3-119	1999 Atmospheric Dispersion Estimates for Nearest Residence and Vegetable Garden	58
2.3-120	2000 Atmospheric Dispersion Estimates for Nearest Residence and Vegetable Garden	59
2.3-121	2001 Atmospheric Dispersion Estimates for Nearest Residence and Vegetable Garden	60

2.3-121 2001 Atmospheric Dispersion Estimates for Nearest Residence and Vegetable Garden 60

Table		Page
2.3-122	2002 Atmospheric Dispersion Estimates for Nearest Residence and Vegetable Garden	61
2.3-123	2003 Atmospheric Dispersion Estimates for Nearest Residence and Vegetable Garden	62
2.3-124	1999-2003 Atmospheric Dispersion Estimates for Nearest Residence and Vegetable Garden	63
2.3-125	1999 Atmospheric Dispersion Estimates for Nearest Meat Animal, Dairy Locations and Special Receptors	64
2.3-126	2000 Atmospheric Dispersion Estimates for Nearest Meat Animal, Dairy Locations and Special Receptors	65
2.3-127	2001 Atmospheric Dispersion Estimates for Nearest Meat Animal, Dairy Locations and Special Receptors	66
2.3-128	2002 Atmospheric Dispersion Estimates for Nearest Meat Animal, Dairy Locations and Special Receptors	67
2.3-129	2003 Atmospheric Dispersion Estimates for Nearest Meat Animal, Dairy Locations and Special Receptors	68
2.3-130	1999-2003 Atmospheric Dispersion Estimates for Nearest Meat Animal, Dairy Locations and Special Receptors	69
2.3-131	1999 Atmospheric Dispersion Estimates at Selected Locations	70
2.3-132	2000 Atmospheric Dispersion Estimates at Selected Locations	70
2.3-133	2001 Atmospheric Dispersion Estimates at Selected Locations	71
2.3-134	2002 Atmospheric Dispersion Estimates at Selected Locations	71
2.3-135	2003 Atmospheric Dispersion Estimates at Selected Locations	72
2.3-136	1999-2003 Atmospheric Dispersion Estimates at Selected Locations	72
2.3-137	SSES Relative Concentrations No Decay, Undepleted X/Q (Sec/m3) X/Q Accumulation for Ground Average for the Period of 01/01/99 through 12/31/03.	73

Table	Page
2.3-138 SSES Relative Concentrations 2.26-Day Decay, Undepleted X/Q (Sec/m3) for Ground Decayed Sector Average for the Period of 01/01/99 through 12/31/03.	74
2.3-139 SSES Relative Concentrations 8-Day Decay, Depleted X/Q (Sec/m3)) for Ground Decayed Sector Average for the Period of 01/01/99 through 12/31/03.	75
2.3-140 SSES Relative Deposition D/Q (M-2) for the Period of 01/01/99 through 12/31/03.	76

UPDATED FSAR FOR SSES

2.3.4 SHORT-TERM (ACCIDENT) DIFFUSION ESTIMATES

Atmospheric diffusion conditions (expressed as values of χ/Q) developed for use in evaluating accidents hypothesized in Chapter 15 are discussed in this section for various periods after an accident. This table includes χ/Q estimates based on the methods described in Regulatory Guide 1.145. (Reference 2.3-34) All estimates use vertical temperature difference to determine stability classification. Tables 2.3-75 through 2.3-82 and 2.3-84 through 2.3-91 give the joint frequency distribution of temperature difference categories used to summarize 5 years of SSES data into Pasquill groups for use in computing σ_y and σ_z in the diffusion equations. Results are based on evaluation of a recent 5-year period of onsite meteorological data (1999-2003). A description of the site meteorological program is given in Section 2.3.3.

Methods used to estimate diffusion conditions for evaluating short-term accident releases are discussed in Section 2.3.4.1, and methods for assessing the consequences of longer term accident releases (up to 30 days) are discussed in Section 2.3.4.2.

2.3.4.1 Short-Term (0-2 hours) Releases

The methodology for determining the atmospheric dispersion that exists for short-term releases involves direction-dependent and direction-independent calculations as described in Regulatory Guide 1.145. Both methods include the effects of plume meander as discussed below.

2.3.4.1.1 Direction-Independent Calculations

The direction-independent approach involves computing χ/Q values for each hour of the period of SSES records used and then counting all of the hours that had χ/Q values equal to or greater than a selected value regardless of direction. The number of hours so obtained was then divided by the number of hours in the total period of record to obtain the probability that the selected χ/Q value would be equaled or exceeded. The resulting probabilities are independent of wind direction. A plot of cumulative centerline χ/Q values as a function of probability of occurrence was constructed using the SSES hourly data for all 5 years combined as shown in Figure 2.3-6. Equations 2.3-4, 2.3-5 and 2.3-6 in Section 2.3.4.4 were used to compute values of χ/Q. The distance to the site boundary (exclusion area boundary referred to as the EAB) was assumed to be a circle with a radius of 0.34 miles (549 meters).

2.3.4.1.2 Direction-Dependent Calculations

The direction-dependent calculations outlined in Regulatory Guide 1.145 require the χ/Q values to be calculated using the equations given in Section 2.3.4.4; however, the results are treated separately for each direction. A 5-year composite direction-dependent probability distribution was plotted by combining the frequency of occurrence of selected χ/Q values for each direction at the EAB as shown in Figure 2.3-7.

at the EAB as shown in Figure 2.3-7.

2.3.4.1.3 Determining Appropriate Short-Term Dispersion

In accordance with Regulatory Guide 1.145, the two cumulative probability distributions shown in Figures 2.3-6 and 2.3-7 are used to determine the appropriate χ/Q value at the EAB distance. The peak 5% value read from Figure 2.3-6 is 6.5E-4 s/m^3. For the direction-dependent case, the 0.5% χ/Q is determined from Figure 2.3-7 to be 8.3e-4 s/m^3. The highest of the two (χ/Q = 8.3E-4 s/m^3) is to be used in accident dose calculations and is shown in Table 2.3.92 for the 1-hour case at the EAB. Tables 2.3-93 through 2.3-98 show the direction dependent results for each of the separate years plus the total for all five years at the EAB. For "realistic" dose calculations the 50% direction independent value is also shown in Table 2.3-92.

Similar calculations for short-term dispersion were made at the LPZ distance of 3 miles (4827 meters). Tables 2.3-99 through 2.3-104 give the direction-dependent χ/Q probability distributions for 1 hour for each of the 5 years and the weighted 5 year average at the LPZ.

2.3.4.2 Long-Term Releases

For releases that occur over a longer period, it is appropriate to incorporate wind direction changes in the model used to estimate concentration at any given point. Using the same 5-year period of data from SSES, the probability that any particular average diffusion condition (or poorer one) would exist during a selected interval of time (greater than 1 hour) was determined.

The procedure for determining longer term-χ/Q values is also taken from Regulatory Guide 1.145. The calculation is made using the 5-year data set. The highest 0.5% direction-dependent short-term (1 hour) χ/Q value was used because it is greater than the 5% direction-independent at the LPZ. These χ/Q values are plotted on Figures 2.3-8 and 2.3-9 as a function of averaging time. Only the 1-hour values are used in the Reg. Guide 1.45 interpolation method. The long-term 0.5% χ/Q values for defined averaging times are determined by a log-log interpolation between the maximum direction dependent annual average and the maximum 0.5% direction dependent 1 hour value used at the 2 hour averaging time. The long term 50% values are determined by interpolating (log-log) between the 50% direction independent 1 hour value at the 2 hour averaging time and the direction independent annual average (see Figure 2.3-10). The interpolated values are summarized in Table 2.3-105. For the 50% probable case the direction independent values were used because they are higher than the direction dependent values.

2.3.4.3 Analytical Methods for Dispersion Computations

During neutral (D) or stable (E, F, or G) atmospheric stability conditions when the wind speed at the 10 meter level is less than 6 meters per second, horizontal plume meander is taken into account. χ/Q values are determined through selective use of the following set of equations for ground level relative concentrations at the plume centerline:

$$\chi/Q = \frac{1}{\overline{U}_{10}\left(\pi\sigma_y\sigma_z + A/2\right)} \qquad 2.3\text{-}4$$

$$\chi/Q = \frac{1}{\overline{U}_{10}\left(3\pi\sigma_y\sigma_z\right)} \qquad 2.3\text{-}5$$

$$\chi/Q = \frac{1}{\overline{U}_{10}\pi\Sigma_y\sigma_z} \qquad 2.3\text{-}6$$

Where

χ/Q is relative concentration, in sec/m^3

π is 3.14159

$\overline{U}_{10}$ is wind speed at 10 meters above plant grade, in m/sec

σ_y is lateral plume spread, in m, a function of atmospheric stability and distance

σ_z is vertical plume spread, in m, a function of atmospheric stability and distance

Σ_y is lateral spread with meander and building wake effects, in m, a function of atmospheric stability, wind speed $\overline{U}_{10}$, and distance [for distances of 800 meters or less, $\Sigma_y = M\sigma_y$, where M is a function of the atmospheric stability and wind speed; for distances greater than 800 meters, $\Sigma_y = (M - 1)\,\sigma_{y800m} + \sigma_y$].

A is the smallest vertical-plane cross-sectional area of the reactor building in m^2.

χ/Q values are calculated using Equations 2.3-4, 2.3-5 and 2.3-6. The values from Equations 2.3-4 and 2.3-5 are compared and the higher values selected. This value is compared with the value from Equations 2.3-6 and the lower value of these two is selected as the appropriate χ/Q value.

The χ/Q value used in accident consequence analysis is selected from the maximum sector χ/Q values which is exceeded 0.5% of the time.

2.3.5 LONG-TERM (ROUTINE) DIFFUSION ESTIMATES

The long-term diffusion characteristics for the Susquehanna SSES were estimated in accordance with the criteria set forth in NRC Regulatory Guide 1.111 (1977). The analysis was performed using the onsite meteorological data recorded at the primary tower for January 1999 through December 2003.

2.3.5.1 Atmospheric Diffusion Models

2.3.5.1.1 Straight-Line Airflow Model

A ground level release model based on meteorological data and plant parameters was used to calculate the annual average atmospheric relative concentration (χ/Q) values. Depletion factors are computed directly from depletion curves as the relative deposition rates. For long-term, ground level relative concentrations, the plume is assumed to diffuse evenly over a 22.5-degree sector.

The hourly relative concentration values are calculated in the sector defined by the wind direction using the following equation:

$$\chi/Q = \frac{2.032}{\sigma_z \bar{u} x} \qquad (5)$$

Where

χ/Q = ground level relative concentration (sec/m^3)

σ_z = vertical standard deviation of the plume (m)

$\bar{u}$ = average wind speed (m/sec)

x = distance from the source (m)

However, with consideration of the turbulent wake effect, Equation 5 is revised as follows:

$$\chi/Q = \frac{2.032}{ux\sqrt{\sigma_z^2 + cV^2/\pi}} \qquad (6)$$

Where

c = building shape factor

V = vertical height of the highest adjacent building

The wake factor (cV^2/π) is limited, close to the source, to a factor of $2\sigma_z^2$.

If $\sqrt{3} < \sigma_z < \sqrt{\sigma_z^2 + c\frac{V^2}{\pi}}$, the equation is

$$\chi/Q = \frac{2.032}{\sqrt{3}\sigma_z \bar{u}x} \qquad (7)$$

(i.e., χ/Q is calculated to be the larger of Equations 6 and 7). The total relative concentration at each sector and distance is then divided by the total number of hours in the database.

2.3.5.1.2 Terrain/Recirculation Correction Factors

The straight-line trajectory, Gaussian diffusion model assumes that a constant mean wind transports and diffuses plume effluents in the direction of airflow at the release point within the entire region of interest. In other words, the wind speed and atmospheric stability at the release point are assumed to determine the atmospheric dispersion characteristics in the direction of the mean wind at all distances. In areas of more complex terrain recirculation of the plume over longer time periods may occur. To account for this effect the results of a comparison of the PAM (Puff Advection Model) with the straight line model was made from which adjustment factors for the site region were determined. These correction factors were applied to the results of the straight line model by multiplying the χ/Q values by the correction factors found in Table 2.3-106.

2.3.5.1.3 Deposition and Depleted X/Q's

As radioactive effluent in a plume travels downwind, it is subject to several removal mechanisms, including radioactive decay, dry deposition, and wet deposition (during precipitation). Corrections for radioactive decay of 2.26 days for undepleted χ/Q and 8 days of depleted χ/Q are shown in the dispersion estimates reported in this subsection.

Dry deposition, which results in depletion if halogen and particulate isotopes from the plume is calculated using Figures 2 through 5 in Regulatory Guide 1.111. Depletion factors in these curves are a function of release height and distance. All releases at the SSES are at ground level. Therefore, elevated curves were not used. Each χ/Q is multiplied by the depletion correction factor to estimate the depleted χ/Q value.

To determine relative deposition rate as a function of distance and stability, the curves given in Regulatory Guide 1.111 are used in a computerized table look-up routine. Values from the curves are divided by the sector cross-width (arc) at the point of calculation to give units m^{-2}.

2.3.5.1.4 Results of Long-Term Diffusion Estimates

Tables 2.3-107 through 2.3-118 present the annual and five year average χ/Q, decayed and depleted χ/Q and deposition values at the site boundary and exclusion area boundary for each of the 16 cardinal directions. Tables 2.3-119 through 2.3-136 show similar information for the nearest residence, vegetable garden, meat and dairy animal location and selected special receptor locations around the plant. Tables 2.3-137 through 2.3-140 present the five year average χ/Q, decayed and depleted χ/Q and deposition values for the sixteen directions out to a distance of 80.5 kilometers (50 miles) from the plant.

2.3 ADDITIONAL REFERENCES

(Replaces 2.3-22) Nuclear Regulatory Commission, Regulatory Guide 1.23, Meteorological Programs in Support of Nuclear Power Plants (Proposed Version 1), 1980.

(Replaces 2.3-26) Nuclear Regulatory Commission, Regulatory Guide 1.111, Methods for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routine Releases from Light-Water-Cooled Reactors, 1977.

(Replaces 2.3-34) Nuclear Regulatory Commission Regulatory Guide 1.145, Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants, 1982.

Figure 2.3-6 Hour Direction Independent X/Q at the EAB
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)

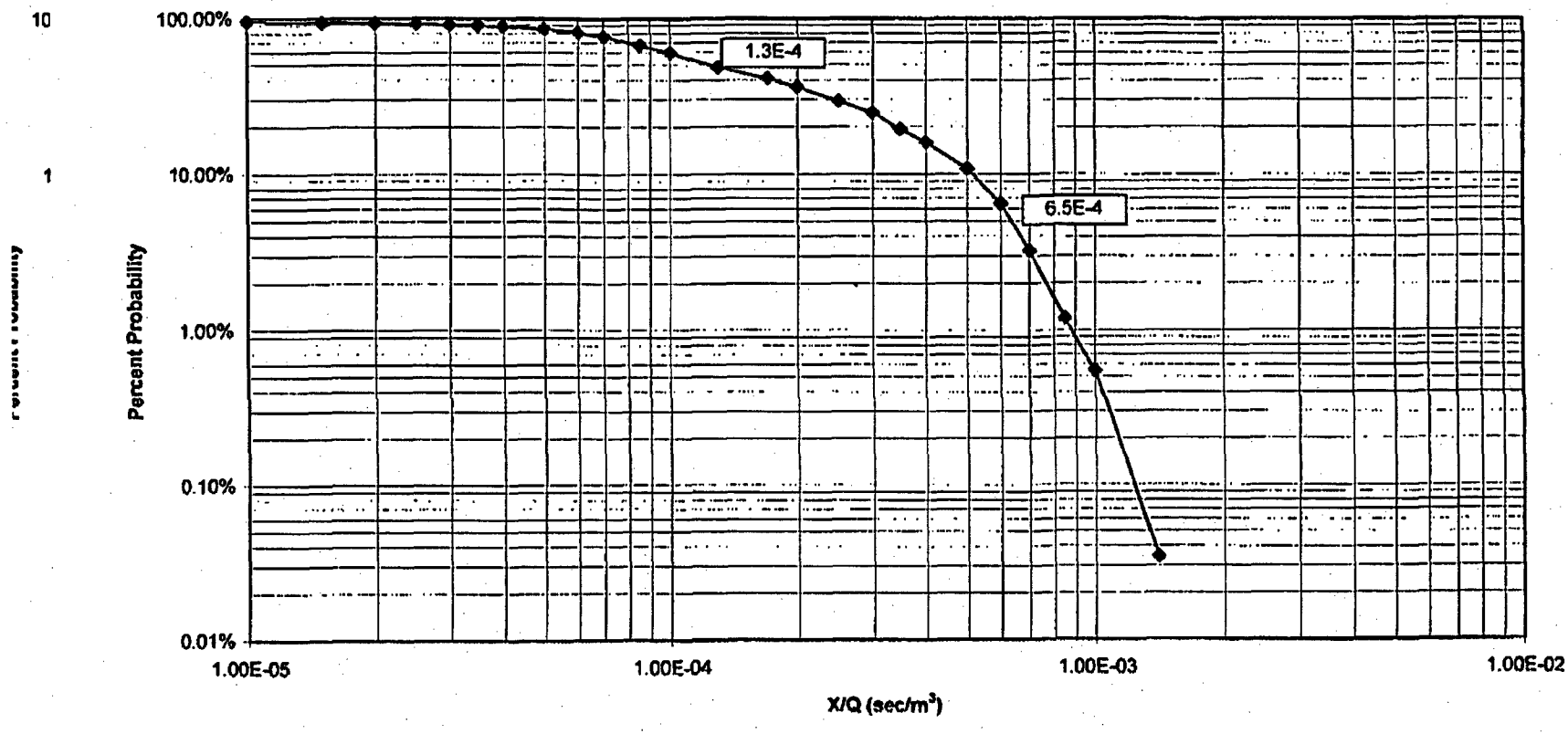


Figure 2.3-7 - 1 hr Direction Dependent X/Q Values at the EAB
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)

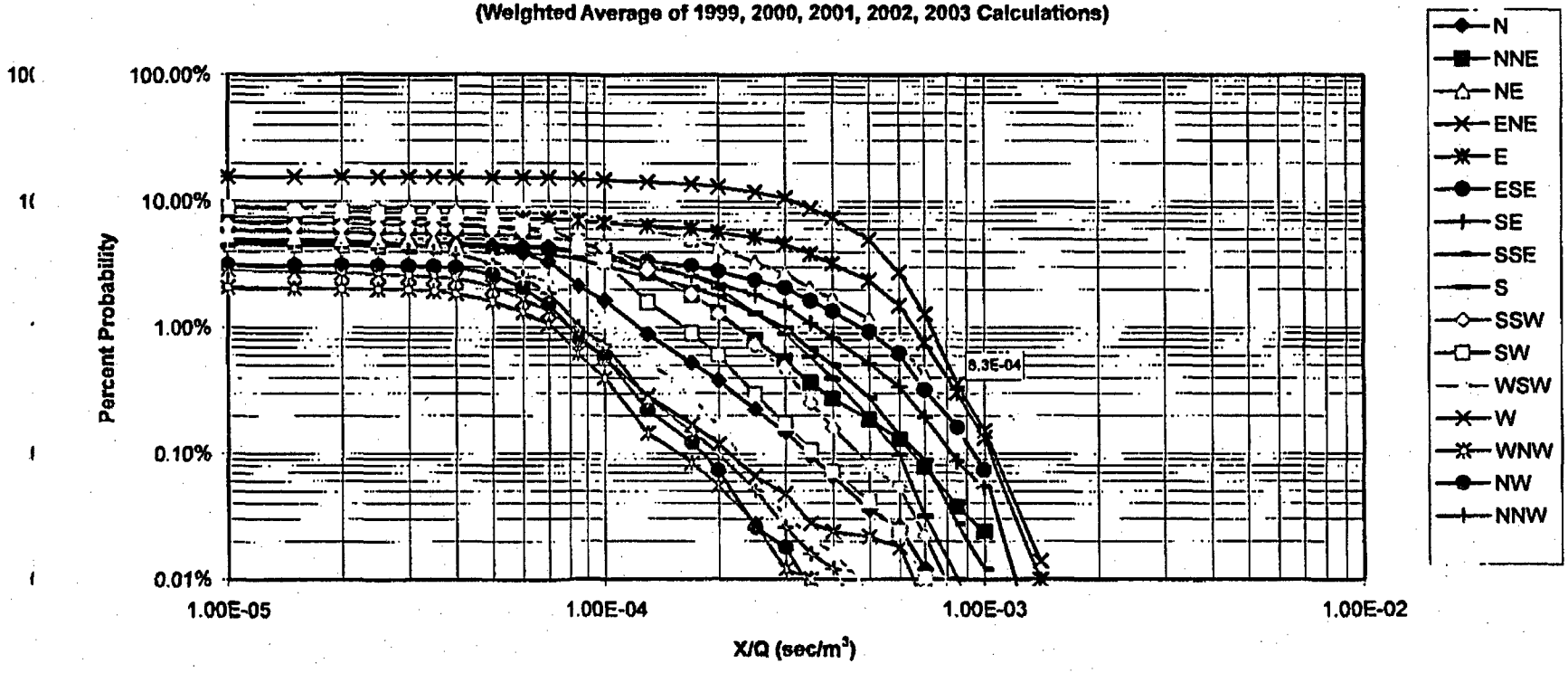


Figure 2.3-8 -1 Hour Direction Dependent X/Q Values at the LPZ
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)

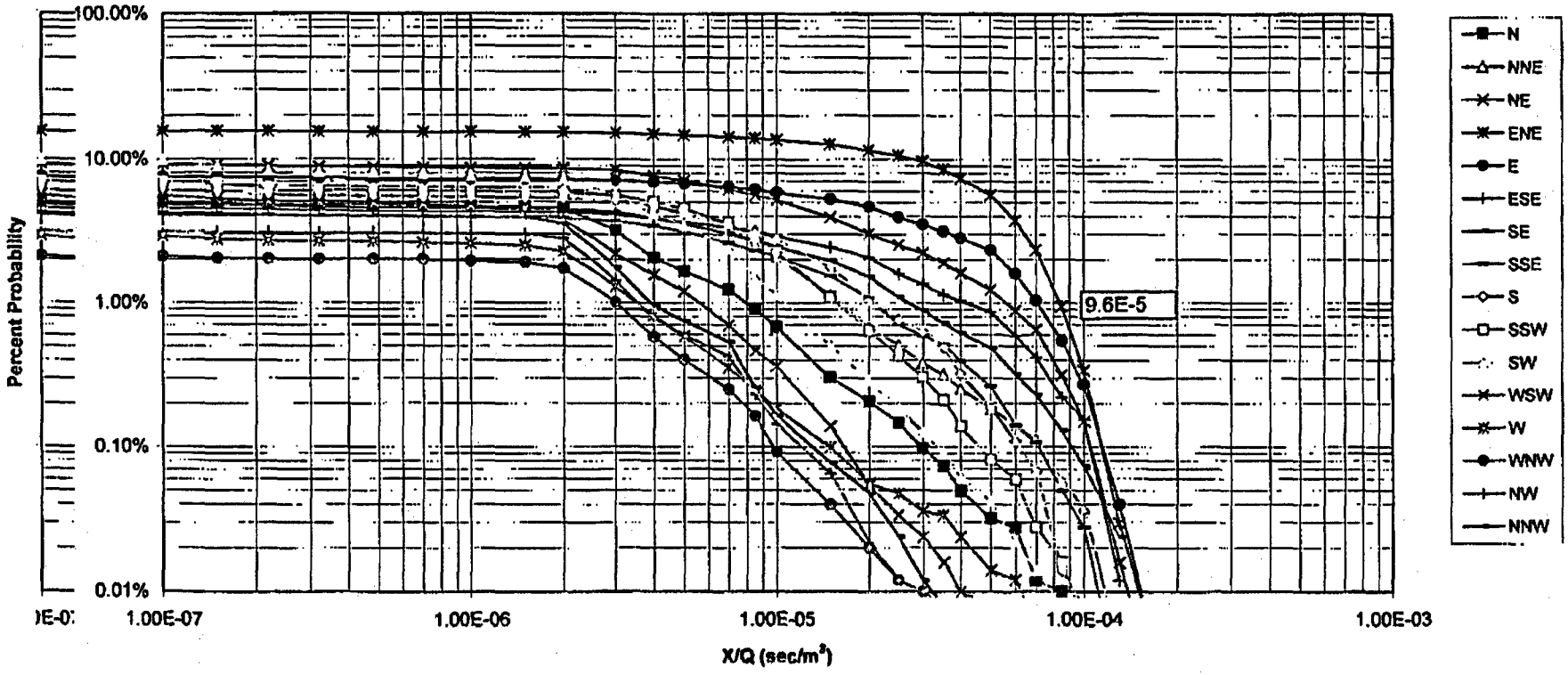


Figure 2.3-9 - 1 Hour Direction Independent X/Q at the LPZ
(weighted average of 1999, 2000, 2001, 2002, 2003 Calculations)

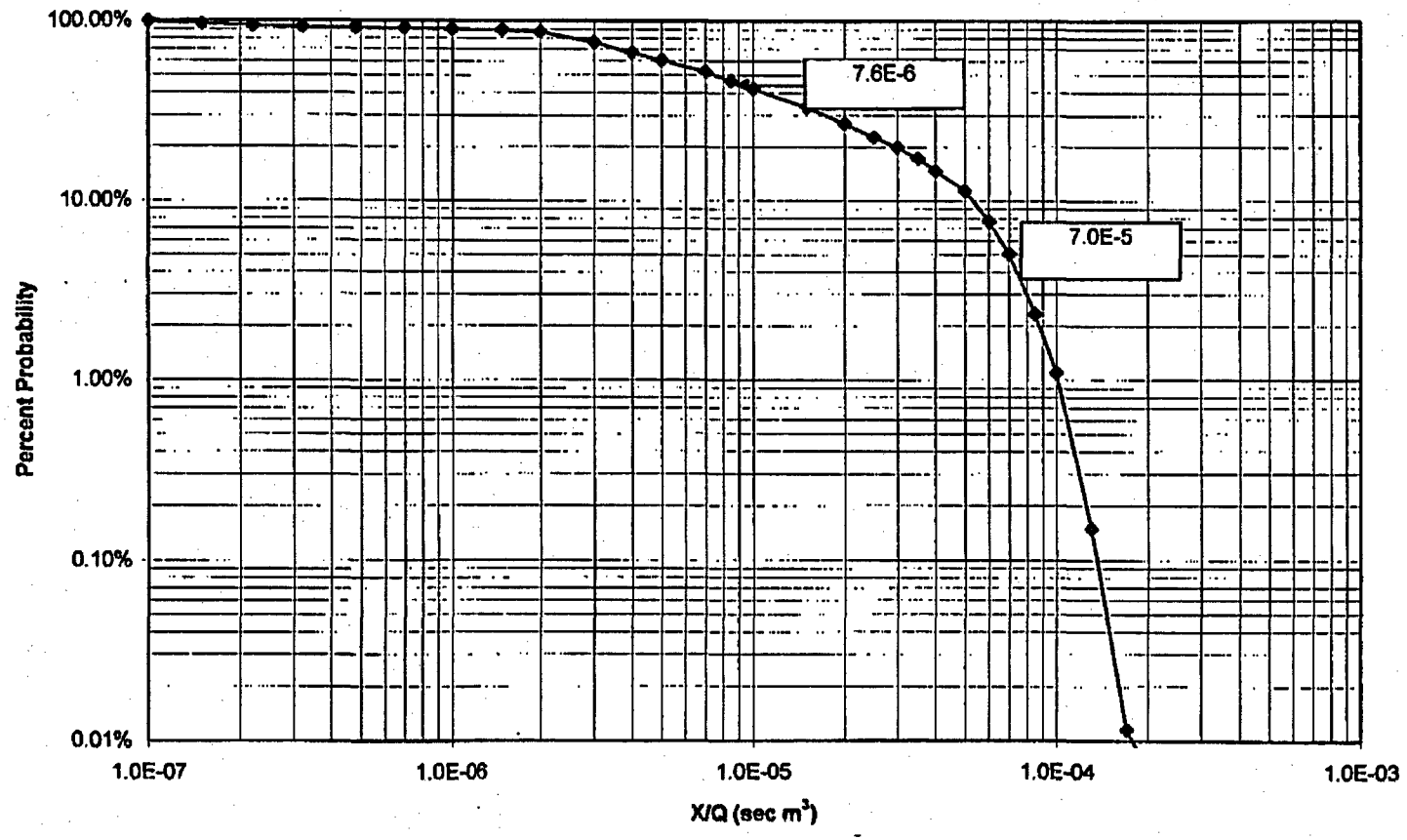


Figure 2.3-10 - Interpolated X/Q Values at the LPZ
(Weighted Average of 1999, 2000, 2001, 2002, 2003 Calculations)

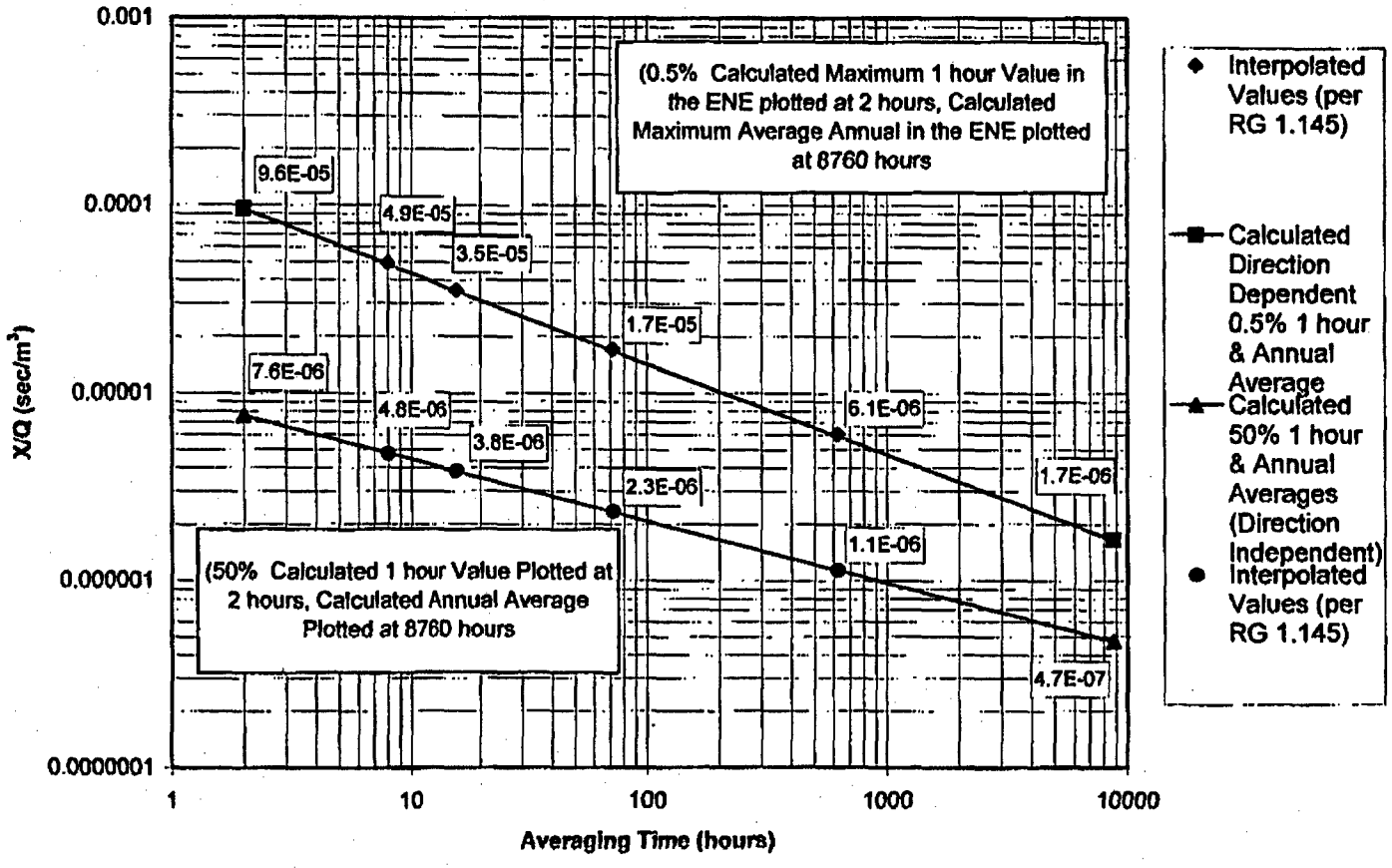


TABLE 2.3-74. SSES - FSAR
METEOROLOGICAL DATA RECOVERY RATES
1998 THROUGH 2003

	1999	2000	2001	2002	2003	5 YR AVG
Wind Speed 10m Primary	99.7	99.8	100.0	99.5	99.6	99.7
Wind Speed 60m Primary	99.7	99.4	99.4	99.5	99.2	99.4
Wind Direction 10m Primary	99.7	100.0	100.0	99.4	99.7	99.8
Wind Direction 60m Primary	99.6	100.0	99.3	99.5	99.7	99.6
Delta Temperature 60-10m A Primary	99.6	99.8	99.3	99.0	99.1	99.4
Temperature 10m Primary	99.6	99.7	99.9	99.6	99.0	99.6
Dew Point 10m Primary	99.3	87.2	98.8	98.6	98.8	96.5
Precipitation	99.7	100.0	100.0	100.0	100.0	99.9
Composite						
Wind Speed 10m, Wind Direction 10m, Delta Temperature 60-10m	99.5	99.7	99.3	99.0	99.0	99.3
Wind Speed 60m, Wind Direction 60m Delta Temperature 60-10m	99.5	99.3	99.2	99.0	98.6	99.1

TABLE 2.3-75

Joint Frequency Distribution

Hours at Each Wind Speed and Direction

Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period

Elevation: Speed: 10M SPD Direction: 10M WD Lapse: DT60-10

Stability Class A Delta Temperature Extremely Unstable

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	1	0	0	2	3	11	28	4	0	0	0	0	49
NNE	0	0	0	3	1	28	58	4	0	0	0	0	94
NE	0	0	0	7	15	45	23	0	0	0	0	0	90
ENE	0	0	1	8	17	11	4	0	0	0	0	0	41
E	0	0	4	26	8	4	1	0	0	0	0	0	43
ESE	0	1	7	12	7	8	6	0	0	0	0	0	41
SE	0	0	2	6	14	33	20	0	0	0	0	0	75
SSE	0	0	2	6	19	36	14	1	0	0	0	0	78
S	0	0	2	10	28	62	63	1	0	0	0	0	166
SSW	0	0	0	12	38	105	88	4	0	0	0	0	247
SW	0	0	1	10	38	177	261	28	1	0	0	0	516
WSW	0	0	0	4	7	29	125	35	2	0	0	0	202
W	0	0	0	1	2	4	48	5	0	0	0	0	60
WNW	0	0	0	1	2	6	12	0	0	0	0	0	21
NW	0	0	0	0	1	0	6	3	0	0	0	0	10
NNW	0	0	0	1	0	1	12	4	0	0	0	0	18
Totals	1	1	19	109	200	560	769	89	3	0	0	0	1751

Number of Calm Hours for this Table	18
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	297
Number of Valid Hours for this Table	1751
Total Hours for the Period	43823

TABLE 2.3-76

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period
Elevation: Speed: 10M SPD Direction: 10M WD Lapse: DT60-10

Stability Class B Delta Temperature Moderately Unstable

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	0	1	0	1	5	9	42	8	0	0	0	0	66
NNE	0	0	0	3	20	47	34	3	0	0	0	0	107
NE	0	0	0	12	16	46	24	0	0	0	0	0	98
ENE	0	0	1	24	13	10	2	0	0	0	0	0	50
E	0	0	9	15	7	10	3	0	0	0	0	0	44
ESE	0	0	4	11	14	5	5	0	0	0	0	0	39
SE	0	0	2	10	11	16	11	0	0	0	0	0	50
SSE	0	0	0	4	11	11	6	0	0	0	0	0	32
S	0	0	2	11	14	38	21	0	0	0	0	0	86
SSW	0	0	1	11	39	55	28	3	0	0	0	0	137
SW	0	0	0	4	36	105	175	31	4	0	0	0	355
WSW	0	0	1	1	7	23	100	43	2	0	0	0	177
W	0	0	0	0	1	8	34	4	0	0	0	0	47
WNW	0	0	0	0	1	1	18	1	0	0	0	0	21
NW	0	0	0	0	1	5	10	2	0	0	0	0	18
NNW	0	0	0	0	4	8	19	3	2	0	0	0	36
Totals	0	1	20	107	200	397	532	98	8	0	0	0	1363

Number of Calm Hours for this Table	18
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	297
Number of Valid Hours for this Table	1363
Total Hours for the Period	43823

TABLE 2.3-77

Joint Frequency Distribution

Hours at Each Wind Speed and Direction

Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period

Elevation: Speed: 10M SPD Direction: 10M WD Lapse: DT60-10

Stability Class C Delta Temperature Slightly Unstable

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	0	0	0	3	7	23	73	6	0	0	0	0	112
NNE	0	0	1	8	21	52	59	6	0	0	0	0	147
NE	0	0	0	12	24	45	20	0	0	0	0	0	101
ENE	0	0	2	25	20	14	4	0	0	0	0	0	65
E	0	1	7	19	8	8	3	0	0	0	0	0	46
ESE	0	1	6	15	16	10	3	0	0	0	0	0	51
SE	1	0	7	9	17	13	11	0	0	0	0	0	58
SSE	0	1	4	12	18	21	12	0	0	0	0	0	68
S	0	0	4	26	28	50	28	0	0	0	0	0	136
SSW	0	0	1	24	35	76	17	2	0	0	0	0	155
SW	0	0	1	18	43	146	186	37	1	0	0	0	432
WSW	0	0	1	3	11	38	139	61	7	0	0	0	260
W	0	0	0	8	7	7	51	21	1	0	0	0	95
WNW	0	0	0	0	2	14	31	1	0	0	0	0	48
NW	0	0	1	0	3	9	30	4	0	0	0	0	47
NNW	0	0	0	1	1	19	31	16	2	0	0	0	70
Totals	1	3	35	183	261	545	698	154	11	0	0	0	1891

Number of Calm Hours for this Table	18
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	297
Number of Valid Hours for this Table	1891
Total Hours for the Period	43823

TABLE 2.3-78

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period
Elevation: Speed: 10M SPD Direction: 10M WD Lapse: DT60-10

Stability Class D Delta Temperature Neutral

Wind Speed (m/s)

Wind Direction from	0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	2	7	23	74	119	433	716	98	0	0	0	0	1472
NNE	1	16	64	214	267	519	324	15	0	0	0	0	1420
NE	9	33	119	276	281	418	164	6	0	0	0	0	1306
ENE	8	51	130	219	153	158	54	3	0	0	0	0	776
E	10	85	158	202	124	119	32	5	0	0	0	0	735
ESE	15	67	144	144	117	146	58	7	3	1	0	0	702
SE	7	53	110	219	169	200	121	14	1	0	0	0	894
SSE	10	38	74	163	158	179	89	9	1	0	0	0	721
S	3	26	84	210	204	257	106	7	0	0	0	0	897
SSW	0	15	54	220	242	368	139	2	0	0	0	0	1040
SW	1	8	29	193	242	594	864	170	7	0	0	0	2108
WSW	0	3	15	87	132	254	627	425	90	1	0	0	1634
W	0	1	6	38	80	196	396	172	35	0	0	0	924
WNW	0	2	4	23	49	157	314	108	19	0	0	0	676
NW	1	2	11	31	45	225	632	178	6	0	0	0	1131
NNW	0	4	8	33	52	268	752	280	8	0	0	0	1405
Totals	67	411	1033	2346	2434	4491	5388	1499	170	2	0	0	17841

Number of Calm Hours for this Table	18
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	297
Number of Valid Hours for this Table	17841
Total Hours for the Period	43823

TABLE 2.3-79

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period
Elevation: Speed: 10M SPD Direction: 10M WD Lapse: DT60-10

Stability Class E Delta Temperature Slightly Stable

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	1	14	28	90	138	144	53	2	0	0	0	0	470
NNE	3	33	112	324	269	254	79	1	0	0	0	0	1075
NE	13	124	289	551	197	159	54	0	0	0	0	0	1387
ENE	20	279	467	493	87	29	7	3	0	0	0	0	1385
E	41	378	361	154	33	29	5	0	0	0	0	0	1001
ESE	45	265	207	99	30	24	8	5	0	0	0	0	683
SE	37	201	229	152	48	50	23	10	4	0	0	0	754
SSE	19	109	183	213	95	63	40	6	0	0	0	0	728
S	10	75	216	413	193	151	49	18	0	0	0	0	1125
SSW	3	42	126	397	334	309	84	4	0	0	0	0	1299
SW	2	14	39	188	209	343	210	10	1	0	0	0	1016
WSW	0	4	12	64	80	83	61	14	3	0	0	0	321
W	2	1	9	36	33	37	19	4	0	0	0	0	141
WNW	0	2	7	16	23	34	13	0	0	0	0	0	95
NW	1	2	4	19	42	87	24	2	0	0	0	0	181
NNW	0	5	6	21	41	116	35	2	0	0	0	0	226
Totals	197	1548	2295	3230	1852	1912	764	81	8	0	0	0	11887

Number of Calm Hours for this Table	18
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	297
Number of Valid Hours for this Table	11887
Total Hours for the Period	43823

TABLE 2.3-80

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period
Elevation: Speed: 10M SPD Direction: 10M WD Lapse: DT60-10

Stability Class F Delta Temperature Moderately Stable

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	1	5	6	25	11	5	2	0	0	0	0	0	55
NNE	5	21	34	66	32	9	1	0	0	0	0	0	168
NE	13	92	198	257	50	1	1	0	0	0	0	0	612
ENE	21	361	806	994	149	6	0	0	0	0	0	0	2337
E	44	371	356	149	9	0	0	0	0	0	0	0	929
ESE	23	160	122	15	0	0	0	0	0	0	0	0	320
SE	14	82	82	25	2	0	0	0	0	0	0	0	205
SSE	8	32	78	49	6	1	0	0	0	0	0	0	174
S	2	29	78	121	14	1	1	0	0	0	0	0	246
SSW	1	16	24	81	37	4	1	0	0	0	0	0	164
SW	1	4	15	38	21	19	2	0	0	0	0	0	100
WSW	0	0	5	6	4	3	1	0	0	0	0	0	19
W	2	2	3	5	0	1	0	0	0	0	0	0	13
WNW	1	0	0	2	2	1	0	0	0	0	0	0	6
NW	0	0	2	1	1	2	1	0	0	0	0	0	7
NNW	1	0	3	2	5	2	2	0	0	0	0	0	15
Totals	137	1175	1812	1836	343	55	12	0	0	0	0	0	5370

Number of Calm Hours for this Table	18
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	297
Number of Valid Hours for this Table	5370
Total Hours for the Period	43823

TABLE 2.3-81

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00- 12/31/03 23:00 Total Period
Elevation: Speed: 10M SPD Direction: 10M WD Lapse: DT60-10

Stability Class G Delta Temperature Extremely Stable

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	1	2	2	3	1	0	0	0	0	0	0	0	9
NNE	1	16	17	17	3	1	0	0	0	0	0	0	55
NE	2	71	168	162	19	1	0	0	0	0	0	0	423
ENE	8	167	690	1065	186	4	0	0	0	0	0	0	2120
E	13	120	219	102	3	0	0	0	0	0	0	0	457
ESE	4	63	55	9	0	0	0	0	0	0	0	0	131
SE	3	31	35	12	2	1	0	0	0	0	0	0	84
SSE	0	14	23	15	3	0	0	0	0	0	0	0	55
S	0	5	12	17	0	0	0	0	0	0	0	0	34
SSW	1	2	8	7	5	1	0	0	0	0	0	0	24
SW	0	2	3	1	0	1	0	0	0	0	0	0	7
WSW	0	1	0	0	0	0	0	0	0	0	0	0	1
W	0	0	0	0	0	1	0	0	0	0	0	0	1
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	1	0	0	0	0	0	0	0	0	0	0	1
NNW	0	2	0	1	0	0	0	0	0	0	0	0	3
Totals	33	497	1232	1411	222	10	0	0	0	0	0	0	3405

Number of Calm Hours for this Table	18
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	297
Number of Valid Hours for this Table	3405
Total Hours for the Period	43823

TABLE 2.3-82

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00- 12/31/03 23:00 Total Period
Elevation: Speed: 10M SPD Direction: 10M WD Lapse: DT60-10

Summary of All Stability Classes Delta Temperature

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	6	29	59	198	284	625	914	118	0	0	0	0	2233
NNE	10	86	228	635	613	910	555	29	0	0	0	0	3066
NE	37	320	774	1277	602	715	286	60	0	0	0	0	4017
ENE	57	858	2097	2828	625	232	71	6	0	0	0	0	6774
E	108	955	1114	667	192	170	44	5	0	0	0	0	3255
ESE	87	557	545	305	184	193	80	12	3	1	0	0	1967
SE	62	367	467	433	263	313	186	24	5	0	0	0	2120
SSE	37	194	364	462	310	311	161	16	1	0	0	0	1856
S	15	135	398	808	481	559	268	26	0	0	0	0	2690
SSW	5	75	214	752	730	918	357	1	0	0	0	0	3066
SW	4	28	88	452	589	1385	1698	276	14	0	0	0	4534
WSW	0	8	34	165	241	430	1053	578	104	1	0	0	2614
W	4	4	18	88	123	254	548	206	36	0	0	0	1281
WNW	1	4	11	42	79	213	388	110	19	0	0	0	867
NW	2	5	18	51	93	328	703	189	6	0	0	0	1395
NNW	1	11	17	59	103	414	851	305	12	0	0	0	1773
Totals	436	3636	6446	9222	5512	7970	8163	1921	200	2	0	0	43508

Number of Calm Hours for this Table	18
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	297
Number of Valid Hours for this Table	43508
Total Hours for the Period	43823

TABLE 2.3-83

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TABLE 2.3-84

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period
Elevation: Speed: 60M SPD Direction: 60M WD Lapse: DT60-10

Stability Class A Delta Temperature Extremely Unstable

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	0	0	0	0	1	2	30	12	4	0	0	0	49
NNE	0	0	0	0	1	14	45	32	7	0	0	0	99
NE	1	0	1	11	16	23	47	11	3	0	0	0	113
ENE	0	2	2	11	12	9	3	0	1	0	0	0	40
E	0	0	2	5	9	5	1	0	1	0	0	0	23
ESE	0	0	2	6	4	8	5	5	0	0	0	0	30
SE	0	0	1	3	4	7	27	18	1	0	0	0	61
SSE	0	0	0	2	3	11	33	17	1	0	0	0	67
S	0	1	3	5	6	24	46	55	10	1	0	0	151
SSW	0	0	0	6	13	49	85	62	22	0	0	0	237
SW	0	0	0	8	12	49	239	169	28	1	0	0	506
WSW	0	0	0	2	2	13	85	121	34	3	0	0	260
W	0	0	0	1	2	0	26	40	3	0	0	0	72
WNW	0	0	0	0	1	1	5	9	0	0	0	0	16
NW	0	0	1	0	0	0	1	6	0	0	0	0	8
NNW	0	0	0	0	0	1	7	9	0	0	0	0	17
Totals	1	3	12	60	86	216	685	566	115	5	0	0	1749

Number of Calm Hours for this Table	3
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	385
Number of Valid Hours for this Table	1749
Total Hours for the Period	43823

TABLE 2.3-85

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period
Elevation: Speed: 60M SPD Direction: 60M WD Lapse: DT60-10

Stability Class B Delta Temperature Moderately Unstable

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	0	0	0	1	3	8	27	27	3	0	0	0	69
NNE	0	0	0	4	10	22	57	19	5	0	0	0	117
NE	0	0	4	11	22	30	33	12	1	0	0	0	113
ENE	0	0	2	9	8	15	5	1	0	0	0	0	40
E	0	0	3	7	4	9	4	2	1	0	0	0	30
ESE	0	0	2	4	8	5	11	2	0	0	0	0	32
SE	0	0	1	6	0	10	12	10	2	0	0	0	41
SSE	0	0	0	0	1	4	20	5	0	0	0	0	30
S	0	0	0	3	6	10	28	22	3	0	0	0	72
SSW	0	0	2	2	11	31	47	25	13	1	0	0	132
SW	0	0	0	2	10	51	145	101	28	4	0	0	341
WSW	0	0	0	0	2	6	67	86	55	1	0	0	217
W	0	0	0	0	0	3	21	28	6	0	0	0	58
WNW	0	0	0	0	0	2	8	7	0	0	0	0	17
NW	0	0	0	0	3	2	13	5	1	0	0	0	24
NNW	0	0	0	0	1	3	10	12	1	1	0	0	28
Totals	0	0	14	49	89	211	508	364	119	7	0	0	1361

Number of Calm Hours for this Table 3
Number of Variable Direction Hours for this Table 0
Number of Invalid Hours 385
Number of Valid Hours for this Table 1361
Total Hours for the Period 43823

TABLE 2.3-86

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period
Elevation: Speed: 60M SPD Direction: 60M WD Lapse: DT60-10

Stability Class C Delta Temperature Slightly Unstable

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	0	0	0	2	6	9	45	43	1	0	0	0	106
NNE	0	0	0	9	18	30	74	37	5	0	0	0	173
NE	0	0	4	10	8	31	32	11	1	0	0	0	97
ENE	0	2	6	13	11	21	7	4	0	0	0	0	64
E	0	1	3	13	9	5	5	1	0	0	0	0	37
ESE	0	1	1	1	4	10	11	3	0	0	0	0	31
SE	0	0	3	6	7	14	16	8	2	0	0	0	56
SSE	0	1	1	3	7	10	15	7	3	0	0	0	47
S	0	0	5	9	11	23	37	23	6	0	0	0	114
SSW	0	0	0	15	18	52	57	27	9	0	0	0	178
SW	0	0	0	3	15	69	187	77	31	1	0	0	383
WSW	0	0	0	1	7	18	88	140	78	7	0	0	339
W	0	0	0	1	2	4	24	51	20	1	0	0	103
WNW	0	1	0	1	0	5	28	12	1	0	0	0	48
NW	0	0	0	0	0	3	26	12	2	0	0	0	43
NNW	0	0	0	0	1	6	31	24	6	0	0	0	68
Totals	0	6	23	87	124	310	683	480	165	9	0	0	1887

Number of Calm Hours for this Table 3
Number of Variable Direction Hours for this Table 0
Number of Invalid Hours 385
Number of Valid Hours for this Table 1887
Total Hours for the Period 43823

TABLE 2.3-87

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period
Elevation: Speed: 60M SPD Direction: 60M WD Lapse: DT60-10

Stability Class D Delta Temperature Neutral

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	0	6	5	45	52	159	578	343	50	0	0	0	1238
NNE	4	6	33	124	154	289	584	283	46	2	0	0	1525
NE	1	25	82	183	131	288	455	139	16	1	0	0	1321
ENE	3	26	60	106	83	169	143	35	3	3	0	0	631
E	4	28	50	71	60	146	156	26	14	1	0	0	556
ESE	1	26	39	52	51	107	170	54	12	1	3	0	516
SE	2	20	45	75	53	130	241	82	22	8	0	0	678
SSE	2	13	41	88	59	115	258	88	26	7	0	0	697
S	1	15	39	115	76	105	221	122	44	5	0	0	743
SSW	1	9	32	131	156	202	255	192	66	4	0	0	1048
SW	1	2	23	112	187	405	625	403	110	5	0	0	1873
WSW	0	2	9	26	70	177	583	849	678	99	9	0	2502
W	2	5	2	7	23	77	361	423	230	34	5	0	1169
WNW	0	1	3	8	13	75	329	238	107	7	0	0	781
NW	1	2	3	5	9	81	531	482	98	1	0	0	1213
NNW	0	2	3	23	18	86	550	506	133	0	0	0	1321
Totals	23	188	469	1171	1195	2611	6040	4265	1655	178	17	0	17812

Number of Calm Hours for this Table 3
Number of Variable Direction Hours for this Table 0
Number of Invalid Hours 385
Number of Valid Hours for this Table 17812
Total Hours for the Period 43823

TABLE 2.3-88

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period
Elevation: Speed: 60M SPD Direction: 60M WD Lapse: DT60-10

Stability Class E Delta Temperature Slightly Stable

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	0	16	28	57	93	197	190	25	1	0	0	0	607
NNE	2	19	66	254	364	482	331	101	12	0	0	0	1631
NE	4	51	139	373	200	277	277	82	6	0	0	0	1409
ENE	9	50	112	139	84	140	73	7	1	3	0	0	618
E	9	54	87	107	61	71	76	10	2	1	0	0	478
ESE	5	48	70	78	36	62	63	11	7	2	0	0	382
SE	6	33	61	103	63	68	85	30	16	7	0	0	472
SSE	4	37	71	130	61	132	163	38	22	5	0	0	663
S	5	24	75	141	108	154	242	81	42	14	1	0	887
SSW	5	8	47	126	136	183	434	190	59	2	1	0	1191
SW	1	14	33	108	136	324	579	213	29	1	1	0	1439
WSW	0	6	17	42	85	157	419	384	57	3	0	0	1170
W	0	3	11	22	26	57	81	29	8	1	0	0	238
WNW	0	2	2	6	11	68	77	6	0	0	0	0	172
NW	0	3	5	15	13	49	168	35	3	0	0	0	291
NNW	1	6	10	14	14	54	118	15	0	1	0	0	233
Totals	51	374	834	1715	1491	2475	3376	1257	265	40	3	0	11881

Number of Calm Hours for this Table 3
Number of Variable Direction Hours for this Table 0
Number of Invalid Hours 385
Number of Valid Hours for this Table 11881
Total Hours for the Period 43823

TABLE 2.3-89

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period
Elevation: Speed: 60M SPD Direction: 60M WD Lapse: DT60-10

Stability Class F Delta Temperature Moderately Stable

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	2	3	13	47	82	176	37	3	0	0	0	0	363
NNE	0	16	33	269	503	677	100	0	0	0	0	0	1598
NE	7	28	97	340	243	154	34	0	0	0	0	0	903
ENE	8	28	87	132	47	20	3	0	0	0	0	0	325
E	7	20	65	101	36	15	4	1	0	0	0	0	249
ESE	3	26	55	64	23	9	2	0	0	0	0	0	182
SE	1	20	45	90	24	13	5	0	0	0	0	0	198
SSE	1	8	29	87	30	22	12	1	0	0	0	0	190
S	1	8	17	82	53	57	33	1	0	0	0	0	252
SSW	1	4	16	41	72	97	80	8	1	0	0	0	320
SW	0	4	3	31	44	128	142	16	1	0	0	0	369
WSW	0	2	5	8	14	22	124	65	2	0	0	0	242
W	0	3	3	6	5	11	6	0	0	0	0	0	34
WNW	0	2	2	2	7	8	5	0	0	0	0	0	26
NW	0	1	2	5	7	20	11	2	0	0	0	0	48
NNW	0	1	4	10	11	14	10	1	0	0	0	0	51
Totals	31	174	476	1315	1201	1443	608	98	4	0	0	0	5350

Number of Calm Hours for this Table 3
Number of Variable Direction Hours for this Table 0
Number of Invalid Hours 385
Number of Valid Hours for this Table 5350
Total Hours for the Period 43823

TABLE 2.3-90

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period
Elevation: Speed: 60M SPD Direction: 60M WD Lapse: DT60-10

Stability Class G Delta Temperature Extremely Stable

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	0	3	6	29	62	163	42	0	0	0	0	0	305
NNE	1	6	21	169	418	365	39	0	0	0	0	0	1019
NE	3	11	53	226	208	108	12	0	0	0	0	0	621
ENE	0	10	53	105	45	20	3	0	0	0	0	0	236
E	1	8	50	84	10	10	1	0	0	0	0	0	164
ESE	2	14	31	68	19	5	3	0	0	0	0	0	142
SE	0	4	26	66	16	12	1	0	0	0	0	0	125
SSE	1	5	19	47	32	10	1	1	0	0	0	0	116
S	0	3	11	41	47	60	18	2	0	0	0	0	182
SSW	0	1	4	23	31	72	49	6	0	0	0	0	186
SW	0	0	5	16	24	70	48	5	0	0	0	0	168
WSW	0	0	3	4	8	9	25	13	1	0	0	0	63
W	0	0	1	3	1	1	1	0	0	0	0	0	7
WNW	0	0	1	3	0	6	3	0	0	0	0	0	13
NW	1	1	0	4	3	8	6	0	0	0	0	0	23
NNW	0	0	0	4	0	14	7	0	0	0	0	0	25
Totals	9	66	284	892	924	933	259	27	1	0	0	0	3395

Number of Calm Hours for this Table	3
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	385
Number of Valid Hours for this Table	3395
Total Hours for the Period	43823

TABLE 2.3-91

Joint Frequency Distribution

Hours at Each Wind Speed and Direction
Period of Record = 01/01/99 1:00 - 12/31/03 23:00 Total Period
Elevation: Speed: 60M SPD Direction: 60M WD Lapse: DT60-10

Summary of All Stability Classes Delta Temperature

Wind Direction from	Wind Speed (m/s) 0.23-0.50	0.51-0.75	0.76-1.0	1.1-1.5	1.6-2.0	2.1-3.0	3.1-5.0	5.1-7.0	7.1-10.0	10.1-13.0	13.1-18.0	> 18.0	Total
N	2	28	52	181	299	714	949	453	59	0	0	0	2737
NNE	7	47	153	829	1468	1879	1230	472	75	2	0	0	6162
NE	16	115	380	1154	828	911	890	255	27	1	0	0	4577
ENE	20	118	322	515	290	394	237	47	5	6	0	0	1954
E	21	111	260	388	189	261	247	40	18	2	0	0	1537
ESE	11	115	200	273	145	206	265	75	19	3	3	0	1315
SE	9	77	182	349	167	254	387	148	43	15	0	0	1631
SSE	8	64	161	357	193	304	502	157	52	12	0	0	1810
S	7	51	150	396	307	433	625	306	105	20	1	0	2401
SSW	7	22	101	344	437	686	1007	510	170	7	1	0	3292
SW	2	20	64	280	428	1096	1965	984	227	12	1	0	5079
WSW	0	10	34	83	188	402	1391	1658	905	113	9	0	4793
W	2	11	17	40	59	153	520	571	267	36	5	0	1681
WNW	0	6	8	20	32	165	455	272	108	7	0	0	1073
NW	2	7	11	29	35	163	756	542	104	1	0	0	1650
NNW	1	9	17	51	45	178	733	567	140	2	0	0	1743
Totals	115	811	2112	5289	5110	8199	12159	7057	2324	239	20	0	43435

Number of Calm Hours for this Table 3
Number of Variable Direction Hours for this Table 0
Number of Invalid Hours 385
Number of Valid Hours for this Table 43435
Total Hours for the Period 43823

TABLE 2.3-92 SUMMARY OF SHORT-TERM X/Q (SEC/M3) RESULTS AT 549 METER EAB

Period of Record	Data Source	1-hour 5% Direction Independent	1-hour 0.5% Direction Dependent	1-hour 50% Direction Independent
1999	SSES tower	6.5E-4	8.4E-4	1.2E-4
2000	SSES tower	6.5E-4	8.2E-4	1.3E-4
2001	SSES tower	6.6E-4	8.3E-4	1.4E-4
2002	SSES tower	6.6E-4	8.4E-4	1.2E-4
2003	SSES tower	4.9E-4	7.9E-4	1.2E-4
5-year Combined	SSES tower	6.5E-4	8.3E-4	1.3E-4

Table 2.3-93

1999 Probability values for 1 hour at SSES EAB

Probability that the X/Q is Greater than the Adjacent Quantized Level

EC-ENVR-1057

Page 64

IZED EL	QUANTIZED LEVEL	DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
+00	0.00E+00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
-10	1.00E-10	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-09	3.50E-09	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-08	1.00E-08	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-08	2.50E-08	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-08	7.00E-08	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-07	1.00E-07	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-07	1.50E-07	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-07	2.20E-07	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-07	3.20E-07	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-07	4.80E-07	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-07	7.00E-07	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-06	1.00E-06	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-06	1.50E-06	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-06	2.00E-06	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
-06	3.00E-06	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0626	0.0313	0.0177	0.0306	0.0393
-06	4.00E-06	0.0616	0.0747	0.0962	0.1615	0.0758	0.0447	0.0445	0.0366	0.0519	0.0665	0.1017	0.0611	0.0307	0.0177	0.0306	0.0393
-06	5.00E-06	0.0616	0.0739	0.096	0.1615	0.0758	0.0446	0.0444	0.0366	0.0518	0.0663	0.0997	0.0572	0.0289	0.0169	0.0304	0.0393
-06	7.00E-06	0.0604	0.0725	0.0947	0.1612	0.0758	0.0446	0.0436	0.036	0.0502	0.063	0.092	0.055	0.0272	0.0166	0.0304	0.0391
-06	8.50E-06	0.0604	0.0719	0.0937	0.1611	0.0757	0.0444	0.0422	0.0358	0.049	0.0614	0.0905	0.0547	0.0272	0.0166	0.0304	0.039
-05	1.00E-05	0.0602	0.0717	0.0935	0.1608	0.0755	0.0444	0.0416	0.0349	0.0481	0.0609	0.0889	0.054	0.0272	0.0166	0.0303	0.039
-05	1.50E-05	0.0596	0.0708	0.0921	0.1601	0.0751	0.0438	0.0414	0.0347	0.0475	0.0602	0.0861	0.0529	0.0263	0.0164	0.03	0.0389
-05	2.00E-05	0.0592	0.0695	0.0916	0.16	0.0743	0.0433	0.0411	0.0347	0.0469	0.0594	0.0836	0.0501	0.0258	0.0159	0.0298	0.0386
-05	2.50E-05	0.0584	0.0688	0.0901	0.1599	0.0741	0.0429	0.0407	0.0344	0.0459	0.0587	0.082	0.049	0.0251	0.0157	0.0297	0.0382
-05	3.00E-05	0.0573	0.0673	0.089	0.1594	0.074	0.0424	0.0404	0.0337	0.0456	0.0579	0.0807	0.0469	0.0237	0.0157	0.0292	0.0381
-05	3.50E-05	0.0571	0.0662	0.0886	0.1592	0.0739	0.0422	0.0403	0.0337	0.0455	0.0575	0.0795	0.0456	0.0233	0.0155	0.029	0.0373
-05	4.00E-05	0.0564	0.0655	0.0882	0.1587	0.0737	0.0421	0.0392	0.0336	0.0453	0.0565	0.078	0.0417	0.0225	0.015	0.0286	0.0347
-05	5.00E-05	0.051	0.0633	0.0872	0.158	0.0728	0.0419	0.0385	0.0326	0.0446	0.0555	0.0739	0.0333	0.0193	0.0136	0.0257	0.0281
-05	6.00E-05	0.0409	0.0603	0.0861	0.1577	0.0725	0.0417	0.0373	0.0325	0.0442	0.0545	0.0653	0.0255	0.015	0.0112	0.0205	0.0212
-05	7.00E-05	0.0325	0.0555	0.0842	0.1569	0.0721	0.0412	0.0365	0.0308	0.0429	0.0534	0.0581	0.0214	0.0119	0.0088	0.0163	0.0164
-05	8.50E-05	0.0214	0.0432	0.0763	0.1538	0.07	0.0383	0.0336	0.0286	0.0397	0.0467	0.0455	0.0167	0.0084	0.0048	0.0095	0.0099
-04	1.00E-04	0.0153	0.0338	0.0679	0.1506	0.0683	0.0359	0.0314	0.0248	0.0351	0.0398	0.038	0.0119	0.0062	0.0036	0.0067	0.0067
-04	1.30E-04	0.0087	0.0201	0.0534	0.1447	0.0647	0.0337	0.0257	0.0195	0.0267	0.0266	0.0185	0.0056	0.0033	0.0017	0.0021	0.0021
-04	1.70E-04	0.0056	0.0144	0.046	0.1399	0.0612	0.031	0.0225	0.0166	0.0224	0.0183	0.0123	0.003	0.0019	0.0009	0.0011	0.0007
-04	2.00E-04	0.0046	0.0111	0.04	0.1356	0.0571	0.0287	0.02	0.0146	0.0188	0.0125	0.0091	0.0021	0.0015	0.0005	0.0007	0.0006
-04	2.50E-04	0.003	0.0071	0.0289	0.1235	0.0531	0.0257	0.0172	0.0112	0.0111	0.0071	0.0041	0.0009	0.0008	0.0002	0.0003	0.0003
-04	3.00E-04	0.0023	0.0052	0.0237	0.1102	0.0479	0.0234	0.0147	0.0094	0.0081	0.0049	0.003	0.0006	0.0006	0	0.0002	0.0002
-04	3.50E-04	0.0016	0.0034	0.0177	0.0935	0.039	0.0171	0.0103	0.0056	0.0058	0.0022	0.0017	0.0005	0.0003	0	0	0.0002
-04	4.00E-04	0.0009	0.0028	0.0144	0.0784	0.0317	0.0142	0.0081	0.0038	0.0036	0.001	0.0011	0.0002	0.0001	0	0	0.0001
-04	5.00E-04	0.0006	0.0022	0.0106	0.0544	0.0259	0.011	0.0056	0.0019	0.0021	0.0005	0.0006	0.0002	0	0	0	0.0001
-04	6.00E-04	0.0006	0.0017	0.0078	0.0268	0.015	0.008	0.0036	0.0011	0.0009	0.0002	0.0002	0	0	0	0	0.0001
-04	7.00E-04	0.0003	0.0009	0.004	0.0133	0.0078	0.0052	0.0021	0.0007	0.0008	0.0002	0.0001	0	0	0	0	0.0001
-04	8.50E-04	0.0001	0.0005	0.0018	0.0046	0.004	0.0029	0.0013	0.0006	0.0003	0.0001	0	0	0	0	0	0.0001
-03	1.00E-03	0.0001	0.0002	0.001	0.0023	0.0025	0.0015	0.0007	0.0001	0.0002	0.0001	0	0	0	0	0	0
-03	1.40E-03	0	0	0.0001	0.0003	0.0003	0	0	0	0	0	0	0	0	0	0	0

Table 2.3-94

2000 Probability values for 1 hour at SSES EAB

Probability that the X/Q is Greater than the Adjacent Quantized Level

ED	QUANTIZED LEVEL	DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
0	0.00E+00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0	1.00E-10	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
0	3.50E-09	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
3	1.00E-08	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
3	2.50E-08	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
3	7.00E-08	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
7	1.00E-07	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
7	1.50E-07	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
7	2.20E-07	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
7	3.20E-07	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
7	4.80E-07	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
7	7.00E-07	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
3	1.00E-06	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
3	1.50E-06	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
3	2.00E-06	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
3	3.00E-06	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0556	0.0296	0.0235	0.0344	0.0479
3	4.00E-06	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0438	0.0365	0.0622	0.0669	0.0974	0.0546	0.0295	0.0235	0.0344	0.0479
3	5.00E-06	0.054	0.0683	0.0977	0.1611	0.0783	0.0403	0.0435	0.0364	0.0618	0.0666	0.095	0.0534	0.029	0.0234	0.0344	0.0479
3	7.00E-06	0.0535	0.0663	0.0967	0.161	0.0783	0.0402	0.0434	0.0363	0.0597	0.065	0.089	0.053	0.0288	0.0234	0.0342	0.0479
3	8.50E-06	0.0534	0.0661	0.0961	0.161	0.0782	0.0401	0.0433	0.0358	0.0589	0.064	0.0866	0.0526	0.0286	0.0234	0.0342	0.0478
5	1.00E-05	0.0531	0.0656	0.0955	0.1607	0.0782	0.0398	0.043	0.0356	0.0581	0.0634	0.0856	0.0519	0.0283	0.0234	0.0342	0.0476
5	1.50E-05	0.0524	0.0651	0.0944	0.1605	0.0779	0.0394	0.0429	0.0352	0.0574	0.0624	0.0828	0.0499	0.0265	0.0228	0.0339	0.0474
5	2.00E-05	0.0523	0.064	0.0938	0.16	0.0774	0.0389	0.0427	0.0349	0.0568	0.062	0.0801	0.0485	0.026	0.0226	0.0338	0.0469
5	2.50E-05	0.0518	0.0634	0.0934	0.1598	0.0773	0.0385	0.0425	0.0347	0.0564	0.061	0.078	0.0475	0.0256	0.0225	0.0338	0.0468
5	3.00E-05	0.0513	0.0627	0.093	0.1597	0.0771	0.0382	0.0424	0.0345	0.0554	0.0602	0.0766	0.0453	0.0251	0.0223	0.0337	0.0467
5	3.50E-05	0.0509	0.0623	0.0919	0.1594	0.0771	0.038	0.0422	0.0345	0.0547	0.0589	0.0753	0.0432	0.0244	0.0221	0.0336	0.0465
5	4.00E-05	0.05	0.0622	0.0912	0.1591	0.0768	0.0377	0.0422	0.0342	0.0546	0.0584	0.0733	0.0393	0.0242	0.021	0.0331	0.0451
5	5.00E-05	0.0467	0.0615	0.0905	0.1588	0.0767	0.0366	0.0418	0.034	0.0537	0.058	0.0689	0.0315	0.0215	0.0185	0.0303	0.0381
5	6.00E-05	0.0411	0.0608	0.0897	0.1584	0.0763	0.0362	0.0414	0.0338	0.0527	0.0567	0.0632	0.025	0.0174	0.0158	0.0236	0.0297
5	7.00E-05	0.0355	0.0588	0.0892	0.1582	0.0758	0.0357	0.041	0.0336	0.0521	0.0561	0.0575	0.0205	0.014	0.0124	0.0168	0.0218
5	8.50E-05	0.0225	0.049	0.0828	0.1547	0.074	0.0341	0.0394	0.0321	0.0477	0.0513	0.0441	0.0138	0.0079	0.0073	0.0084	0.0112
8	1.00E-04	0.0175	0.0406	0.0726	0.1514	0.0696	0.0318	0.0361	0.0295	0.043	0.0451	0.0349	0.0097	0.005	0.0042	0.0062	0.0078
8	1.30E-04	0.0097	0.0297	0.0599	0.1467	0.0651	0.0293	0.0306	0.0248	0.0356	0.0301	0.0177	0.0053	0.0027	0.001	0.0024	0.003
8	1.70E-04	0.0051	0.0193	0.0495	0.1395	0.0618	0.0269	0.0265	0.021	0.028	0.0207	0.0092	0.0027	0.0016	0.0007	0.0014	0.0018
8	2.00E-04	0.0039	0.0139	0.0424	0.1317	0.0574	0.0245	0.0224	0.0183	0.0226	0.0144	0.0056	0.0015	0.0009	0.0005	0.0008	0.001
8	2.50E-04	0.0023	0.009	0.0316	0.1169	0.051	0.0201	0.0183	0.0132	0.0147	0.0086	0.0029	0.0003	0.0007	0.0002	0.0002	0.0005
8	3.00E-04	0.0011	0.0061	0.0257	0.1024	0.0446	0.0166	0.0152	0.0098	0.0107	0.0057	0.0017	0.0001	0.0006	0.0001	0.0002	0.0002
8	3.50E-04	0.0007	0.0042	0.0196	0.0813	0.0381	0.014	0.0114	0.0066	0.007	0.003	0.001	0.0001	0.0003	0.0001	0.0001	0.0001
8	4.00E-04	0.0005	0.003	0.0161	0.0685	0.0311	0.011	0.0091	0.0053	0.0047	0.0023	0.0006	0.0001	0.0003	0.0001	0.0001	0.0001
8	5.00E-04	0.0002	0.0015	0.0122	0.0438	0.0218	0.0073	0.0058	0.0032	0.0023	0.001	0.0006	0	0.0003	0.0001	0.0001	0
8	6.00E-04	0.0001	0.0011	0.0079	0.025	0.0148	0.0051	0.0042	0.0017	0.0011	0.0009	0.0002	0	0.0003	0.0001	0	0
8	7.00E-04	0	0.0008	0.0049	0.013	0.0075	0.0021	0.0025	0.0007	0.0002	0.0006	0	0	0.0001	0.0001	0	0
8	8.50E-04	0	0.0005	0.0016	0.0031	0.0027	0.001	0.001	0.0001	0.0001	0.0001	0	0	0.0001	0	0	0
3	1.00E-03	0	0.0002	0.0009	0.0016	0.0014	0.0002	0.0006	0.0001	0	0	0	0	0	0	0	0
3	1.40E-03	0	0	0.0001	0.0002	0.0001	0	0	0	0	0	0	0	0	0	0	0
3	2.00E-03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.3-95

2001 Probability values for 1 hour at SSES EAB

Probability that the X/Q is Greater than the Adjacent Quantized Level

Q9	UANTIZED LEVEL	DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
(	0.00E+00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1.00E-10	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0558	0.0296	0.0235	0.0344	0.0479
:	3.50E-09	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0558	0.0296	0.0235	0.0344	0.0479
	1.00E-08	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0558	0.0296	0.0235	0.0344	0.0479
:	2.50E-08	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0558	0.0296	0.0235	0.0344	0.0479
	7.00E-08	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1048	0.0554	0.0296	0.0235	0.0344	0.0479
	1.00E-07	0.0508	0.0585	0.0751	0.1698	0.0853	0.0466	0.0506	0.0465	0.0654	0.0669	0.0998	0.0526	0.0284	0.0234	0.0344	0.0478
	1.50E-07	0.0485	0.0562	0.0738	0.1697	0.0851	0.0465	0.0496	0.0457	0.0629	0.0645	0.0875	0.0495	0.0264	0.0226	0.0339	0.0476
	2.20E-07	0.0482	0.0542	0.0718	0.1685	0.0846	0.0457	0.0473	0.0436	0.0596	0.0591	0.08	0.0485	0.0259	0.0225	0.0338	0.0471
	3.20E-07	0.048	0.053	0.0707	0.1672	0.0835	0.0448	0.0455	0.0422	0.0575	0.0569	0.0768	0.0481	0.0258	0.0225	0.0337	0.047
	4.80E-07	0.0477	0.0528	0.0698	0.1658	0.0825	0.0442	0.045	0.0417	0.0568	0.0559	0.0756	0.0476	0.0256	0.0225	0.0337	0.0469
	7.00E-07	0.0474	0.0524	0.0697	0.1656	0.0818	0.0436	0.045	0.0416	0.0565	0.0558	0.0741	0.0458	0.0251	0.0224	0.0336	0.0467
	1.00E-06	0.0454	0.0521	0.0695	0.1656	0.0818	0.0436	0.045	0.0415	0.0561	0.0554	0.0721	0.0445	0.0249	0.0218	0.0334	0.0466
	1.50E-06	0.0453	0.052	0.0692	0.1654	0.0815	0.0434	0.0447	0.0415	0.055	0.0545	0.0706	0.042	0.0243	0.0215	0.0333	0.0462
	2.00E-06	0.0451	0.0515	0.0688	0.1648	0.0813	0.043	0.0446	0.0413	0.0542	0.054	0.0681	0.0345	0.0229	0.0201	0.0316	0.0418
	3.00E-06	0.0322	0.0483	0.0674	0.1633	0.081	0.0429	0.043	0.0404	0.0534	0.0523	0.0545	0.0201	0.0136	0.0116	0.0156	0.0204
	4.00E-06	0.02	0.0421	0.0646	0.1624	0.0795	0.0411	0.0394	0.0385	0.0497	0.0485	0.0428	0.0137	0.0072	0.0068	0.008	0.0104
	5.00E-06	0.0166	0.0367	0.0622	0.1606	0.0774	0.039	0.0362	0.0348	0.0438	0.0447	0.0374	0.0103	0.005	0.0042	0.0061	0.0078
	7.00E-06	0.0129	0.0302	0.0555	0.1564	0.0747	0.0367	0.0324	0.03	0.0386	0.0373	0.0259	0.0058	0.0027	0.0024	0.005	0.0062
	8.50E-06	0.0097	0.0243	0.0511	0.1536	0.0721	0.0354	0.0297	0.0264	0.034	0.0307	0.0169	0.0038	0.0019	0.0015	0.0023	0.0029
	1.00E-05	0.007	0.0194	0.0473	0.1502	0.07	0.0327	0.0275	0.0241	0.0304	0.0244	0.0133	0.003	0.0017	0.0007	0.0015	0.0019
	1.50E-05	0.0032	0.0112	0.0368	0.1387	0.0639	0.0281	0.0217	0.0178	0.0206	0.0118	0.0063	0.0013	0.0008	0.0002	0.0007	0.0008
	2.00E-05	0.0018	0.0063	0.0301	0.1264	0.057	0.0238	0.0167	0.0124	0.0129	0.0062	0.0033	0.0002	0.0007	0.0001	0.0002	0.0005
	2.50E-05	0.0014	0.0041	0.0243	0.1159	0.0492	0.0198	0.0117	0.0082	0.0086	0.0044	0.0024	0.0002	0.0006	0.0001	0.0002	0.0002
	3.00E-05	0.001	0.0028	0.0202	0.1037	0.043	0.0163	0.0093	0.0064	0.0074	0.003	0.0016	0.0001	0.0005	0.0001	0.0002	0.0001
	3.50E-05	0.0007	0.0024	0.0162	0.0921	0.0381	0.0132	0.0074	0.0057	0.0062	0.0023	0.0014	0	0.0005	0.0001	0.0001	0
	4.00E-05	0.0006	0.0016	0.0139	0.0783	0.0346	0.011	0.0063	0.0044	0.0043	0.0016	0.0011	0	0.0003	0.0001	0	0
	5.00E-05	0.0003	0.0011	0.0109	0.0588	0.0284	0.0092	0.0048	0.003	0.0024	0.001	0.0007	0	0.0002	0.0001	0	0
	6.00E-05	0.0003	0.0009	0.0077	0.0393	0.0201	0.0067	0.0028	0.0017	0.0014	0.0009	0.0005	0	0.0002	0.0001	0	0
	7.00E-05	0.0001	0.0008	0.0051	0.0248	0.0133	0.0046	0.0021	0.0014	0.0008	0.0005	0.0003	0	0.0001	0.0001	0	0
	8.50E-05	0.0001	0.0002	0.0029	0.0107	0.0072	0.0018	0.0013	0.0003	0.0001	0.0001	0.0003	0	0.0001	0	0	0
	1.00E-04	0.0001	0.0002	0.0016	0.0037	0.0034	0.0017	0.0011	0.0002	0	0	0.0001	0	0	0	0	0
	1.30E-04	0	0.0001	0.0001	0.0002	0.0002	0.0001	0.0003	0	0	0	0	0	0	0	0	0
	1.70E-04	0	0	0	0.0001	0	0	0	0	0	0	0	0	0	0	0	0
	2.00E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

QU	ANTIZED LEVEL	DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
0.	00E+00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1.	0.00E-10	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
3.	0.50E-09	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
1	0.00E-08	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
2	0.50E-08	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
7	0.00E-08	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
1	0.00E-07	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
1	0.50E-07	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
2	0.20E-07	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
3	0.20E-07	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
4	0.80E-07	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
7	0.00E-07	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
1	0.00E-06	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
1	0.50E-06	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
2	0.00E-06	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
3	0.00E-06	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1142	0.0627	0.0314	0.0204	0.0296	0.0398
4	0.00E-06	0.0491	0.0718	0.0827	0.1446	0.0676	0.0451	0.0424	0.0462	0.0672	0.0821	0.1114	0.061	0.0314	0.0204	0.0295	0.0395
5	0.00E-06	0.0477	0.0707	0.0827	0.1446	0.0676	0.0447	0.042	0.0458	0.0661	0.0803	0.1064	0.059	0.031	0.0204	0.0295	0.0392
7	0.00E-06	0.0466	0.0699	0.0823	0.1446	0.0674	0.0447	0.0418	0.0456	0.0655	0.0768	0.1001	0.058	0.0309	0.0204	0.0295	0.039
8	0.50E-06	0.0465	0.0694	0.0816	0.1446	0.0674	0.0446	0.0418	0.0455	0.0655	0.0756	0.0981	0.0575	0.0309	0.0204	0.0295	0.0388
1	0.00E-05	0.0463	0.0693	0.0813	0.1443	0.0674	0.0446	0.0418	0.0454	0.0649	0.0752	0.0964	0.0568	0.0307	0.0204	0.0295	0.0386
1	0.50E-05	0.0451	0.0685	0.0805	0.1437	0.0672	0.0443	0.0417	0.0451	0.0639	0.0741	0.0903	0.0538	0.0303	0.0201	0.0292	0.0378
2	0.00E-05	0.0441	0.0677	0.0802	0.1436	0.0669	0.0443	0.0414	0.0451	0.0634	0.0727	0.0848	0.0514	0.0299	0.0201	0.029	0.0373
2	0.50E-05	0.0438	0.0669	0.08	0.1435	0.0667	0.0443	0.0414	0.0447	0.0625	0.0712	0.0825	0.0504	0.0297	0.0201	0.0289	0.0369
3	0.00E-05	0.0429	0.0663	0.0794	0.1435	0.0666	0.0443	0.041	0.0447	0.0622	0.0707	0.0808	0.0496	0.0287	0.0201	0.0288	0.0365
3	0.50E-05	0.0427	0.0661	0.0793	0.1433	0.0665	0.044	0.041	0.0443	0.0618	0.07	0.0793	0.0478	0.0277	0.0194	0.0285	0.0362
4	0.00E-05	0.0423	0.0652	0.0792	0.1432	0.0663	0.0439	0.0408	0.044	0.0612	0.0696	0.0775	0.0451	0.0266	0.0186	0.0277	0.0348
5	0.00E-05	0.0418	0.0644	0.0786	0.1431	0.0659	0.0433	0.0406	0.0437	0.0604	0.0688	0.0719	0.0372	0.0218	0.0146	0.0234	0.0295
6	0.00E-05	0.0384	0.0635	0.0782	0.1429	0.0657	0.043	0.04	0.0431	0.0583	0.0676	0.0641	0.0295	0.0173	0.0118	0.0181	0.0235
7	0.00E-05	0.0338	0.0614	0.0772	0.1428	0.0655	0.0423	0.0388	0.0415	0.0554	0.0651	0.0572	0.0237	0.0148	0.0092	0.0135	0.0184
8	0.50E-05	0.022	0.0513	0.0716	0.1416	0.064	0.0402	0.0353	0.0362	0.0514	0.0582	0.0414	0.0171	0.0099	0.0047	0.0067	0.0092
1	0.00E-04	0.0171	0.0432	0.0632	0.1366	0.0618	0.0371	0.0309	0.032	0.0448	0.0482	0.0311	0.0124	0.0061	0.0033	0.0047	0.0074
1	0.30E-04	0.0091	0.0261	0.0549	0.1349	0.0584	0.0338	0.0258	0.0259	0.0331	0.0288	0.0136	0.0055	0.0029	0.0016	0.0021	0.0033
1	0.70E-04	0.0054	0.0175	0.0459	0.1306	0.0545	0.0308	0.0224	0.0205	0.0252	0.0165	0.0066	0.0027	0.0018	0.001	0.0009	0.0018
2	0.00E-04	0.0032	0.0134	0.0399	0.1268	0.052	0.028	0.0194	0.0176	0.0196	0.0114	0.0043	0.0014	0.0014	0.0006	0.0006	0.0015
2	0.50E-04	0.0022	0.0089	0.032	0.1183	0.0473	0.024	0.0152	0.0127	0.0122	0.007	0.0021	0.0008	0.0005	0.0005	0.0001	0.0007
3	0.00E-04	0.0016	0.0067	0.0277	0.1093	0.0415	0.0219	0.012	0.0106	0.0082	0.0045	0.0015	0.0003	0	0.0003	0.0001	0.0002
3	0.50E-04	0.0009	0.005	0.0213	0.0929	0.035	0.0168	0.0093	0.0076	0.0055	0.0028	0.0008	0.0002	0	0.0003	0.0001	0.0002
4	0.00E-04	0.0007	0.0037	0.0179	0.0801	0.0308	0.0142	0.0074	0.0061	0.0035	0.0017	0.0006	0.0002	0	0.0001	0.0001	0.0002
5	0.00E-04	0.0005	0.0029	0.0119	0.0568	0.0233	0.0108	0.0046	0.0038	0.0015	0.0007	0.0003	0.0001	0	0	0	0.0001
6	0.00E-04	0.0003	0.0018	0.0071	0.0329	0.0146	0.0073	0.0031	0.0016	0.0008	0.0005	0.0003	0.0001	0	0	0	0
7	0.00E-04	0.0002	0.0012	0.0032	0.0145	0.0073	0.0038	0.0017	0.0014	0.0002	0.0001	0.0001	0.0001	0	0	0	0
8	0.50E-04	0.0001	0.0005	0.0015	0.0041	0.0022	0.0016	0.0006	0.0003	0.0001	0.0001	0.0001	0.0001	0	0	0	0
1	0.00E-03	0.0001	0.0005	0.0008	0.0014	0.0009	0.0007	0.0003	0.0001	0	0	0	0.0001	0	0	0	0
1	1.40E-03	0	0	0	0	0.0001	0.0001	0	0	0	0	0	0	0	0	0	0
2	2.00E-03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3.00E-03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.3-97

2003 Probability values for 1 hour at SSES EAB

Probability that the X/Q is Greater than the Adjacent Quantized Level

QU	ANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
		DIRECTION															
0.	.00E+00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	0..00E-10	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
3	0..50E-09	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
1	0..00E-08	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
2	0..50E-08	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
7	0..00E-08	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
1	0..00E-07	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
1	0..50E-07	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
2	0..20E-07	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
3	0..20E-07	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
4	0..80E-07	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
7	0..00E-07	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
1	0..00E-06	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
1	0..50E-06	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
2	0..00E-06	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
3	0..00E-06	0.0391	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1002	0.0619	0.0297	0.0214	0.0287	0.0348
4	0.00E-06	0.039	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0682	0.0974	0.0605	0.0293	0.0213	0.0282	0.034
5	0.00E-06	0.0384	0.0764	0.1089	0.1414	0.0673	0.0497	0.0612	0.0468	0.0599	0.0674	0.096	0.0592	0.0289	0.021	0.0277	0.0333
7	0.00E-06	0.038	0.075	0.1082	0.1413	0.0672	0.0496	0.0609	0.0464	0.0584	0.0656	0.0924	0.0575	0.0286	0.0205	0.0277	0.0331
8	0.50E-06	0.038	0.075	0.1081	0.1412	0.0671	0.0494	0.0609	0.046	0.058	0.0644	0.0908	0.0565	0.0285	0.0203	0.0277	0.0326
1	0.00E-05	0.038	0.0749	0.1078	0.1411	0.067	0.0493	0.0606	0.0455	0.0573	0.0629	0.0894	0.0559	0.0282	0.0202	0.0277	0.0325
1	0.50E-05	0.0376	0.0746	0.1073	0.1408	0.0665	0.0491	0.0605	0.045	0.0566	0.0614	0.0867	0.0538	0.0277	0.0195	0.0273	0.032
2	0.00E-05	0.0372	0.0742	0.1072	0.1406	0.0657	0.049	0.0601	0.0446	0.056	0.0605	0.0847	0.0524	0.0271	0.0194	0.0273	0.0319
2	0.50E-05	0.037	0.0741	0.1066	0.1406	0.0655	0.0489	0.0601	0.044	0.056	0.0605	0.0838	0.0523	0.0267	0.0191	0.027	0.0316
3	0.00E-05	0.0365	0.0739	0.1062	0.1405	0.0654	0.0489	0.0597	0.0439	0.0559	0.0601	0.0829	0.0503	0.0257	0.0188	0.0263	0.0314
3	0.50E-05	0.0364	0.0738	0.1062	0.1404	0.0652	0.0488	0.0594	0.0438	0.0559	0.0597	0.0816	0.0488	0.0254	0.0174	0.026	0.0314
4	0.00E-05	0.0362	0.0728	0.1059	0.1398	0.0651	0.0486	0.059	0.0435	0.0558	0.0595	0.0805	0.0453	0.024	0.0164	0.0252	0.0307
5	0.00E-05	0.0348	0.0719	0.1057	0.1395	0.0648	0.0481	0.0584	0.0431	0.0557	0.0591	0.0751	0.0378	0.021	0.0148	0.0216	0.026
6	0.00E-05	0.0319	0.071	0.105	0.1389	0.0643	0.0473	0.0568	0.0422	0.0549	0.0581	0.0664	0.0312	0.0165	0.0111	0.0184	0.0195
7	0.00E-05	0.0289	0.0679	0.103	0.1381	0.0634	0.0464	0.0552	0.0413	0.0529	0.0566	0.0566	0.0258	0.013	0.0099	0.0128	0.0145
8	0.50E-05	0.0201	0.0581	0.0936	0.1357	0.0617	0.0424	0.0485	0.038	0.0483	0.05	0.0379	0.0179	0.0093	0.0071	0.0076	0.0089
1	0.00E-04	0.0154	0.0493	0.0858	0.1321	0.0602	0.0393	0.042	0.0338	0.0438	0.043	0.0267	0.0129	0.0063	0.0047	0.0054	0.007
1	0.30E-04	0.0075	0.032	0.0723	0.1269	0.0561	0.034	0.0362	0.0265	0.0317	0.0258	0.0121	0.006	0.0027	0.002	0.0021	0.0023
1	0.70E-04	0.0041	0.0217	0.0619	0.1229	0.0528	0.0302	0.03	0.0209	0.0243	0.0158	0.006	0.0029	0.0016	0.0009	0.0013	0.0014
2	0.00E-04	0.003	0.0151	0.0535	0.1168	0.0499	0.0271	0.0252	0.0176	0.0184	0.0112	0.0041	0.0017	0.0013	0.0007	0.0008	0.0009
2	0.50E-04	0.0015	0.0084	0.0385	0.1037	0.0441	0.0216	0.0195	0.0123	0.01	0.0054	0.0017	0.0009	0.0006	0.0003	0.0005	0.0006
3	0.00E-04	0.001	0.0045	0.0318	0.0927	0.0368	0.0173	0.0156	0.0083	0.0067	0.0038	0.0006	0.0005	0.0006	0.0001	0.0002	0.0005
3	0.50E-04	0.0008	0.0027	0.0243	0.0732	0.0297	0.0128	0.0114	0.0052	0.0038	0.0015	0.0003	0.0002	0.0005	0	0.0001	0.0002
4	0.00E-04	0.0005	0.0021	0.0212	0.0622	0.0258	0.0113	0.0078	0.0038	0.0027	0.001	0.0002	0.0002	0.0005	0	0.0001	0.0001
5	0.00E-04	0.0002	0.0013	0.0142	0.0411	0.0183	0.0068	0.0045	0.0014	0.0013	0.0008	0	0.0001	0.0005	0	0.0001	0
6	0.00E-04	0.0001	0.001	0.0093	0.0225	0.0115	0.0036	0.0031	0.0009	0.0008	0.0003	0	0	0.0003	0	0	0
7	7.00E-04	0	0.0007	0.0051	0.0093	0.0055	0.0018	0.0017	0.0006	0.0002	0	0	0	0.0001	0	0	0
8	3.50E-04	0	0.0002	0.0012	0.0023	0.0024	0.0008	0.0003	0.0002	0	0	0	0	0.0001	0	0	0
1	1.00E-03	0	0.0001	0.0003	0.0008	0.0006	0.0003	0.0002	0.0001	0	0	0	0	0.0001	0	0	0
1	1.40E-03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2.00E-03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.3-98

1999 - 2003 Probability Values for 1 hour at SSES EAB

Probability that the X/Q is Greater than the Adjacent Quantized Level

ED.	QUANTIZED LEVEL	DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
0	1.00E-10	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0419
9	3.50E-09	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0419
8	1.00E-08	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0419
8	2.50E-08	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0419
8	7.00E-08	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0419
7	1.00E-07	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0419
7	1.50E-07	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0419
7	2.20E-07	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0418
7	3.20E-07	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0418
7	4.80E-07	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0418
7	7.00E-07	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0417
6	1.00E-06	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0417
6	1.50E-06	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0416
6	2.00E-06	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1042	0.0599	0.0303	0.0213	0.0315	0.0406
6	3.00E-06	0.0513	0.0705	0.0923	0.1558	0.0749	0.0453	0.0487	0.0426	0.0618	0.0704	0.1040	0.0597	0.0303	0.0213	0.0315	0.0364
6	4.00E-06	0.0510	0.0702	0.0923	0.1557	0.0749	0.0453	0.0487	0.0426	0.0616	0.0702	0.1022	0.0584	0.0301	0.0213	0.0314	0.0342
6	5.00E-06	0.0505	0.0695	0.0921	0.1557	0.0749	0.0452	0.0483	0.0424	0.0610	0.0695	0.0992	0.0564	0.0294	0.0210	0.0313	0.0335
6	7.00E-06	0.0499	0.0682	0.0912	0.1556	0.0748	0.0451	0.0479	0.0420	0.0594	0.0670	0.0929	0.0553	0.0289	0.0209	0.0312	0.0331
6	8.50E-06	0.0498	0.0678	0.0905	0.1555	0.0747	0.0450	0.0473	0.0416	0.0586	0.0655	0.0906	0.0548	0.0288	0.0208	0.0312	0.0322
5	1.00E-05	0.0497	0.0676	0.0901	0.1551	0.0747	0.0448	0.0470	0.0411	0.0578	0.0646	0.0891	0.0541	0.0285	0.0208	0.0312	0.0318
5	1.50E-05	0.0486	0.0669	0.0893	0.1546	0.0742	0.0444	0.0467	0.0407	0.0570	0.0634	0.0857	0.0521	0.0275	0.0203	0.0309	0.0314
5	2.00E-05	0.0482	0.0660	0.0888	0.1544	0.0736	0.0440	0.0463	0.0404	0.0564	0.0626	0.0826	0.0502	0.0270	0.0201	0.0307	0.0310
5	2.50E-05	0.0478	0.0654	0.0883	0.1543	0.0734	0.0438	0.0461	0.0401	0.0559	0.0618	0.0809	0.0493	0.0265	0.0200	0.0306	0.0307
5	3.00E-05	0.0470	0.0646	0.0876	0.1541	0.0732	0.0436	0.0458	0.0399	0.0554	0.0612	0.0794	0.0475	0.0257	0.0198	0.0303	0.0306
5	3.50E-05	0.0468	0.0642	0.0873	0.1539	0.0731	0.0434	0.0456	0.0396	0.0550	0.0606	0.0779	0.0457	0.0250	0.0193	0.0301	0.0303
5	4.00E-05	0.0462	0.0636	0.0869	0.1535	0.0730	0.0432	0.0452	0.0394	0.0547	0.0600	0.0763	0.0421	0.0243	0.0184	0.0295	0.0291
5	5.00E-05	0.0438	0.0626	0.0862	0.1531	0.0726	0.0427	0.0448	0.0389	0.0540	0.0593	0.0716	0.0343	0.0210	0.0160	0.0263	0.0243
5	6.00E-05	0.0384	0.0614	0.0855	0.1527	0.0721	0.0423	0.0440	0.0384	0.0529	0.0582	0.0642	0.0272	0.0167	0.0131	0.0204	0.0188
5	7.00E-05	0.0329	0.0585	0.0843	0.1521	0.0717	0.0417	0.0430	0.0375	0.0514	0.0566	0.0570	0.0224	0.0135	0.0105	0.0152	0.0142
5	8.50E-05	0.0213	0.0485	0.0778	0.1498	0.0699	0.0393	0.0394	0.0347	0.0474	0.0511	0.0425	0.0159	0.0087	0.0062	0.0081	0.0078
4	1.00E-04	0.0163	0.0406	0.0703	0.1467	0.0675	0.0366	0.0353	0.0310	0.0421	0.0441	0.0334	0.0113	0.0057	0.0040	0.0058	0.0056
4	1.30E-04	0.0088	0.0268	0.0589	0.1419	0.0637	0.0333	0.0299	0.0253	0.0326	0.0285	0.0160	0.0055	0.0029	0.0015	0.0022	0.0021
4	1.70E-04	0.0052	0.0181	0.0503	0.1369	0.0603	0.0307	0.0259	0.0205	0.0258	0.0183	0.0090	0.0028	0.0017	0.0008	0.0012	0.0011
4	2.00E-04	0.0038	0.0132	0.0433	0.1310	0.0571	0.0280	0.0224	0.0177	0.0207	0.0128	0.0061	0.0016	0.0012	0.0006	0.0007	0.0008
4	2.50E-04	0.0022	0.0080	0.0328	0.1185	0.0515	0.0237	0.0182	0.0129	0.0129	0.0072	0.0030	0.0006	0.0007	0.0003	0.0003	0.0004
4	3.00E-04	0.0015	0.0054	0.0270	0.1058	0.0454	0.0205	0.0147	0.0099	0.0090	0.0047	0.0017	0.0003	0.0005	0.0001	0.0002	0.0002
4	3.50E-04	0.0010	0.0036	0.0204	0.0873	0.0378	0.0161	0.0108	0.0068	0.0059	0.0025	0.0011	0.0002	0.0003	0.0001	0.0001	0.0002
4	4.00E-04	0.0007	0.0027	0.0170	0.0738	0.0318	0.0134	0.0083	0.0050	0.0040	0.0016	0.0007	0.0002	0.0002	0.0001	0.0001	0.0001
4	5.00E-04	0.0004	0.0019	0.0118	0.0496	0.0236	0.0093	0.0052	0.0028	0.0019	0.0008	0.0004	0.0001	0.0002	0.0000	0.0001	0.0001
4	6.00E-04	0.0003	0.0013	0.0077	0.0273	0.0149	0.0062	0.0034	0.0014	0.0010	0.0005	0.0002	0.0000	0.0002	0.0000	0.0000	0.0000
4	7.00E-04	0.0001	0.0008	0.0042	0.0128	0.0076	0.0032	0.0019	0.0009	0.0003	0.0002	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000
4	8.50E-04	0.0001	0.0004	0.0015	0.0036	0.0030	0.0016	0.0009	0.0003	0.0001	0.0001	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000
3	1.00E-03	0.0001	0.0002	0.0007	0.0015	0.0013	0.0007	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	1.40E-03	0.0000	0.0000	0.0000	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	2.00E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Table 2.3-99

1999 Probability values for 1 hour at SSES LPZ

Probability that the X/Q is Greater than the Adjacent Quantized Level

CD	QUANTIZED LEVEL	DIRECTION															
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1	0.00E+00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1.00E-10	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
1	3.50E-09	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
1	1.00E-08	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
1	2.50E-08	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.063	0.0313	0.0177	0.0306	0.0393
1	7.00E-08	0.0616	0.0756	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1022	0.0623	0.0313	0.0177	0.0306	0.0393
1	1.00E-07	0.0616	0.0736	0.096	0.1615	0.0758	0.0447	0.0444	0.0366	0.0518	0.0663	0.0997	0.0567	0.029	0.0169	0.0304	0.0393
1	1.50E-07	0.0597	0.0709	0.0936	0.1611	0.0757	0.0446	0.0436	0.036	0.0498	0.0625	0.0889	0.0528	0.026	0.0161	0.0302	0.0389
1	2.20E-07	0.0588	0.0688	0.0908	0.1603	0.0751	0.044	0.0412	0.0344	0.0464	0.0594	0.0836	0.051	0.0258	0.0158	0.0297	0.0385
1	3.20E-07	0.0587	0.0681	0.0892	0.1593	0.0748	0.0431	0.0406	0.0337	0.0458	0.0576	0.0819	0.0507	0.0257	0.0158	0.0297	0.0383
1	4.80E-07	0.0587	0.0679	0.0891	0.1584	0.0733	0.0424	0.0399	0.0336	0.0455	0.0571	0.0815	0.0497	0.0257	0.0158	0.0297	0.0383
1	7.00E-07	0.0577	0.067	0.0889	0.1584	0.0731	0.0423	0.0396	0.0335	0.0454	0.0571	0.0807	0.0472	0.0245	0.0157	0.0294	0.038
3	1.00E-06	0.0568	0.0653	0.0881	0.1583	0.0729	0.0422	0.0396	0.0333	0.0453	0.0564	0.0787	0.0461	0.0236	0.0149	0.0289	0.037
3	1.50E-06	0.0564	0.0642	0.0873	0.1578	0.0727	0.0419	0.0392	0.0329	0.0443	0.0548	0.0768	0.0445	0.0231	0.0148	0.0288	0.0366
3	2.00E-06	0.0539	0.0639	0.0872	0.1573	0.0725	0.0414	0.0377	0.0319	0.0435	0.0542	0.074	0.0367	0.0205	0.0142	0.0279	0.0313
3	3.00E-06	0.0312	0.0546	0.0837	0.1563	0.0717	0.0405	0.0357	0.0303	0.0425	0.0521	0.0567	0.0204	0.0114	0.0086	0.0156	0.0159
3	4.00E-06	0.0201	0.0423	0.0742	0.1529	0.0695	0.037	0.0331	0.0281	0.0393	0.0458	0.0451	0.0165	0.0079	0.0045	0.0091	0.0088
3	5.00E-06	0.0155	0.0351	0.0683	0.1503	0.0681	0.0354	0.0314	0.0255	0.0351	0.0399	0.0391	0.0125	0.0062	0.0037	0.0068	0.0067
3	7.00E-06	0.0122	0.0281	0.0595	0.1451	0.0646	0.0333	0.0264	0.0202	0.0304	0.0336	0.0281	0.0083	0.0047	0.0026	0.005	0.0048
3	8.50E-06	0.0091	0.0213	0.0537	0.1429	0.0624	0.0317	0.0237	0.0189	0.0268	0.0273	0.019	0.0056	0.0032	0.0017	0.0033	0.0021
5	1.00E-05	0.0069	0.0177	0.0502	0.1407	0.0592	0.0295	0.0214	0.0163	0.0226	0.0222	0.015	0.0041	0.0021	0.0009	0.0016	0.0011
5	1.50E-05	0.0038	0.0095	0.0372	0.1321	0.0541	0.0268	0.0183	0.0132	0.0164	0.01	0.0073	0.0018	0.0014	0.0005	0.0007	0.0006
5	2.00E-05	0.0029	0.006	0.0272	0.1211	0.049	0.0232	0.0147	0.0095	0.0088	0.0061	0.0042	0.001	0.0007	0.0003	0.0003	0.0003
5	2.50E-05	0.0021	0.0048	0.0231	0.1118	0.0419	0.0169	0.0109	0.006	0.0072	0.0039	0.0031	0.0008	0.0006	0.0001	0	0.0002
5	3.00E-05	0.0014	0.004	0.0198	0.1021	0.0373	0.0141	0.0093	0.0047	0.0058	0.0029	0.0023	0.0006	0.0003	0	0	0.0001
5	3.50E-05	0.0013	0.0032	0.0169	0.0923	0.0339	0.0125	0.0073	0.0041	0.0045	0.0021	0.0016	0.0005	0.0002	0	0	0.0001
5	4.00E-05	0.0009	0.0028	0.0139	0.0812	0.0299	0.0118	0.0063	0.0031	0.003	0.0009	0.0009	0.0002	0.0001	0	0	0.0001
5	5.00E-05	0.0005	0.0023	0.0111	0.064	0.026	0.0104	0.0056	0.0021	0.0019	0.0005	0.0006	0.0002	0	0	0	0.0001
5	6.00E-05	0.0005	0.0019	0.0083	0.0394	0.0167	0.0078	0.0033	0.001	0.001	0.0002	0.0002	0	0	0	0	0.0001
5	7.00E-05	0.0003	0.0013	0.0068	0.0241	0.0111	0.006	0.0026	0.0008	0.0009	0.0002	0.0002	0	0	0	0	0.0001
5	8.50E-05	0.0002	0.0008	0.0033	0.0108	0.0067	0.0041	0.0016	0.0007	0.0003	0.0001	0	0	0	0	0	0.0001
4	1.00E-04	0.0001	0.0005	0.0018	0.0046	0.004	0.0029	0.001	0.0006	0.0003	0.0001	0	0	0	0	0	0.0001
4	1.30E-04	0.0001	0	0.0003	0.0008	0.001	0.0003	0.0003	0.0001	0.0002	0.0001	0	0	0	0	0	0
4	1.70E-04	0	0	0.0001	0.0001	0.0001	0	0	0	0	0	0	0	0	0	0	0
4	2.00E-04	0	0	0.0001	0.0001	0.0001	0	0	0	0	0	0	0	0	0	0	0
4	2.50E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.3-100

2000 Probability values for 1 hour at SSES LPZ

Probability that the X/Q is Greater than the Adjacent Quantized Level

ED	QUANTIZED LEVEL	DIRECTION															
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
0	0.00E+00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0	1.00E-10	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
9	3.50E-09	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
8	1.00E-08	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
8	2.50E-08	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479
8	7.00E-08	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0622	0.0669	0.0985	0.0554	0.0296	0.0235	0.0344	0.0479
7	1.00E-07	0.0538	0.0682	0.0978	0.1612	0.0783	0.0403	0.0435	0.0364	0.062	0.0663	0.0951	0.0526	0.0284	0.0234	0.0344	0.0478
7	1.50E-07	0.0525	0.0659	0.0967	0.1607	0.0783	0.0402	0.0432	0.036	0.0594	0.0644	0.0854	0.0495	0.0264	0.0226	0.0339	0.0476
7	2.20E-07	0.0522	0.0637	0.0942	0.1604	0.0779	0.0393	0.0427	0.0349	0.0571	0.0619	0.0795	0.0485	0.0259	0.0225	0.0338	0.0471
7	3.20E-07	0.0515	0.0628	0.092	0.1595	0.0775	0.0385	0.0426	0.0346	0.0551	0.059	0.0773	0.0481	0.0258	0.0225	0.0337	0.047
7	4.80E-07	0.0514	0.0626	0.0916	0.159	0.0767	0.0374	0.0424	0.0345	0.0547	0.0586	0.0771	0.0476	0.0256	0.0225	0.0337	0.0469
7	7.00E-07	0.0509	0.0623	0.0916	0.1589	0.0764	0.0371	0.0422	0.0344	0.0545	0.0586	0.0764	0.0458	0.0251	0.0224	0.0336	0.0467
6	1.00E-06	0.0506	0.062	0.0909	0.1588	0.0764	0.0371	0.0421	0.0342	0.0542	0.0583	0.074	0.0445	0.0249	0.0218	0.0334	0.0466
6	1.50E-06	0.0506	0.0614	0.0896	0.1584	0.0763	0.0368	0.042	0.0339	0.0533	0.0567	0.0713	0.042	0.0243	0.0215	0.0333	0.0462
6	2.00E-06	0.0491	0.0611	0.0894	0.1582	0.076	0.0364	0.042	0.0337	0.0527	0.0566	0.0691	0.0345	0.0229	0.0201	0.0316	0.0418
6	3.00E-06	0.0344	0.0583	0.0884	0.1578	0.0755	0.0354	0.0409	0.0332	0.0514	0.0559	0.0564	0.0201	0.0136	0.0116	0.0156	0.0204
6	4.00E-06	0.0217	0.0476	0.0803	0.1541	0.0734	0.0334	0.0387	0.0318	0.0475	0.051	0.0434	0.0137	0.0072	0.0068	0.008	0.0104
6	5.00E-06	0.0174	0.0408	0.0726	0.1513	0.0694	0.0317	0.036	0.0298	0.0435	0.046	0.0357	0.0103	0.005	0.0042	0.0061	0.0078
6	7.00E-06	0.0122	0.0322	0.0621	0.1465	0.0647	0.029	0.0309	0.0244	0.0374	0.0368	0.0247	0.0058	0.0027	0.0024	0.005	0.0062
6	8.50E-06	0.0091	0.0261	0.0547	0.1425	0.0622	0.0274	0.0276	0.0219	0.0338	0.0301	0.0152	0.0038	0.0019	0.0015	0.0023	0.0029
5	1.00E-05	0.0072	0.0224	0.0505	0.1384	0.0584	0.0253	0.0239	0.0205	0.0309	0.0241	0.0112	0.003	0.0017	0.0007	0.0015	0.0019
5	1.50E-05	0.0029	0.0122	0.0377	0.1264	0.0517	0.0194	0.0184	0.0153	0.0204	0.0128	0.004	0.0013	0.0008	0.0002	0.0007	0.0008
5	2.00E-05	0.0022	0.0075	0.0282	0.1123	0.0454	0.0164	0.015	0.0102	0.012	0.0076	0.0029	0.0002	0.0007	0.0001	0.0002	0.0005
5	2.50E-05	0.0014	0.0058	0.0226	0.1022	0.0394	0.0132	0.0112	0.0068	0.0087	0.0053	0.0017	0.0002	0.0006	0.0001	0.0002	0.0002
5	3.00E-05	0.0008	0.0042	0.0202	0.0927	0.035	0.011	0.0095	0.0057	0.0073	0.0038	0.001	0.0001	0.0005	0.0001	0.0002	0.0001
5	3.50E-05	0.0006	0.0034	0.0182	0.0793	0.0314	0.0088	0.0075	0.0048	0.0056	0.0023	0.0008	0	0.0005	0.0001	0.0001	0
5	4.00E-05	0.0003	0.0027	0.0156	0.068	0.0273	0.0081	0.0063	0.0038	0.0035	0.0019	0.0006	0	0.0003	0.0001	0	0
5	5.00E-05	0.0003	0.0015	0.0126	0.0519	0.0216	0.0068	0.0051	0.0029	0.0023	0.001	0.0006	0	0.0002	0.0001	0	0
5	6.00E-05	0.0001	0.0014	0.0089	0.0329	0.016	0.0046	0.004	0.0017	0.0011	0.0009	0.0002	0	0.0002	0.0001	0	0
5	7.00E-05	0	0.0011	0.0066	0.0217	0.0105	0.0032	0.0027	0.001	0.0008	0.0006	0	0	0.0001	0.0001	0	0
5	8.50E-05	0	0.0006	0.0035	0.009	0.0055	0.0016	0.0018	0.0002	0.0001	0.0005	0	0	0.0001	0	0	0
4	1.00E-04	0	0.0005	0.0015	0.0027	0.0024	0.001	0.0008	0.0001	0.0001	0.0001	0	0	0	0	0	0
4	1.30E-04	0	0	0.0001	0.0002	0.0006	0	0.0003	0	0	0	0	0	0	0	0	0
4	1.70E-04	0	0	0	0	0.0001	0	0	0	0	0	0	0	0	0	0	0
4	2.00E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.3-101

2001 Probability values for 1 hour at SSES LPZ

Probability that the X/Q is Greater than the Adjacent Quantized Level

QU	JANTIZED LEVEL	DIRECTION															
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
(	).00E+00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	01.00E-10	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0558	0.0296	0.0235	0.0344	0.0479
	03.50E-09	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0558	0.0296	0.0235	0.0344	0.0479
	01.00E-08	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0558	0.0296	0.0235	0.0344	0.0479
	02.50E-08	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0558	0.0296	0.0235	0.0344	0.0479
	07.00E-08	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1048	0.0554	0.0296	0.0235	0.0344	0.0479
	01.00E-07	0.0508	0.0585	0.0751	0.1698	0.0853	0.0466	0.0506	0.0465	0.0654	0.0669	0.0998	0.0526	0.0284	0.0234	0.0344	0.0478
	01.50E-07	0.0485	0.0562	0.0738	0.1697	0.0851	0.0465	0.0496	0.0457	0.0629	0.0645	0.0875	0.0495	0.0264	0.0226	0.0339	0.0476
	02.20E-07	0.0482	0.0542	0.0718	0.1685	0.0846	0.0457	0.0473	0.0436	0.0596	0.0591	0.08	0.0485	0.0259	0.0225	0.0338	0.0471
	03.20E-07	0.048	0.053	0.0707	0.1672	0.0835	0.0448	0.0455	0.0422	0.0575	0.0569	0.0768	0.0481	0.0258	0.0225	0.0337	0.047
	04.80E-07	0.0477	0.0528	0.0698	0.1658	0.0825	0.0442	0.045	0.0417	0.0568	0.0559	0.0756	0.0476	0.0256	0.0225	0.0337	0.0469
	07.00E-07	0.0474	0.0524	0.0697	0.1656	0.0818	0.0436	0.045	0.0416	0.0565	0.0558	0.0741	0.0456	0.0251	0.0224	0.0336	0.0467
	01.00E-06	0.0454	0.0521	0.0695	0.1656	0.0818	0.0436	0.045	0.0415	0.0561	0.0554	0.0721	0.0445	0.0249	0.0218	0.0334	0.0466
	01.50E-06	0.0453	0.052	0.0692	0.1654	0.0815	0.0434	0.0447	0.0415	0.055	0.0545	0.0706	0.042	0.0243	0.0215	0.0333	0.0462
	02.00E-06	0.0451	0.0515	0.0688	0.1648	0.0813	0.043	0.0446	0.0413	0.0542	0.054	0.0681	0.0345	0.0229	0.0201	0.0316	0.0418
	03.00E-06	0.0322	0.0483	0.0674	0.1633	0.081	0.0429	0.043	0.0404	0.0534	0.0523	0.0545	0.0201	0.0136	0.0116	0.0156	0.0204
	4.00E-06	0.02	0.0421	0.0646	0.1624	0.0795	0.0411	0.0394	0.0385	0.0497	0.0485	0.0428	0.0137	0.0072	0.0068	0.008	0.0104
	05.00E-06	0.0166	0.0367	0.0622	0.1606	0.0774	0.039	0.0362	0.0348	0.0438	0.0447	0.0374	0.0103	0.005	0.0042	0.0061	0.0078
	07.00E-06	0.0129	0.0302	0.0555	0.1564	0.0747	0.0367	0.0324	0.03	0.0386	0.0373	0.0259	0.0058	0.0027	0.0024	0.005	0.0062
	08.50E-06	0.0097	0.0243	0.0511	0.1536	0.0721	0.0354	0.0297	0.0264	0.034	0.0307	0.0169	0.0038	0.0019	0.0015	0.0023	0.0029
	01.00E-05	0.007	0.0194	0.0473	0.1502	0.07	0.0327	0.0275	0.0241	0.0304	0.0244	0.0133	0.003	0.0017	0.0007	0.0015	0.0019
	01.50E-05	0.0032	0.0112	0.0368	0.1387	0.0639	0.0281	0.0217	0.0178	0.0206	0.0118	0.0063	0.0013	0.0008	0.0002	0.0007	0.0008
	02.00E-05	0.0018	0.0063	0.0301	0.1264	0.057	0.0238	0.0167	0.0124	0.0129	0.0062	0.0033	0.0002	0.0007	0.0001	0.0002	0.0005
	02.50E-05	0.0014	0.0041	0.0243	0.1159	0.0492	0.0198	0.0117	0.0082	0.0086	0.0044	0.0024	0.0002	0.0006	0.0001	0.0002	0.0002
	03.00E-05	0.001	0.0028	0.0202	0.1037	0.043	0.0163	0.0093	0.0064	0.0074	0.003	0.0016	0.0001	0.0005	0.0001	0.0002	0.0001
	03.50E-05	0.0007	0.0024	0.0162	0.0921	0.0381	0.0132	0.0074	0.0057	0.0062	0.0023	0.0014	0	0.0005	0.0001	0.0001	0
	04.00E-05	0.0006	0.0016	0.0139	0.0783	0.0346	0.011	0.0063	0.0044	0.0043	0.0016	0.0011	0	0.0003	0.0001	0	0
	05.00E-05	0.0003	0.0011	0.0109	0.0588	0.0284	0.0092	0.0048	0.003	0.0024	0.001	0.0007	0	0.0002	0.0001	0	0
	06.00E-05	0.0003	0.0009	0.0077	0.0393	0.0201	0.0067	0.0028	0.0017	0.0014	0.0009	0.0005	0	0.0002	0.0001	0	0
	07.00E-05	0.0001	0.0008	0.0051	0.0248	0.0133	0.0046	0.0021	0.0014	0.0008	0.0005	0.0003	0	0.0001	0.0001	0	0
	08.50E-05	0.0001	0.0002	0.0029	0.0107	0.0072	0.0018	0.0013	0.0003	0.0001	0.0001	0.0003	0	0.0001	0	0	0
	01.00E-04	0.0001	0.0002	0.0016	0.0037	0.0034	0.0017	0.0011	0.0002	0	0	0.0001	0	0	0	0	0
	1.30E-04	0	0.0001	0.0001	0.0002	0.0002	0.0001	0.0003	0	0	0	0	0	0	0	0	0
	1.70E-04	0	0	0	0.0001	0	0	0	0	0	0	0	0	0	0	0	0
	2.00E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.3-102

2002 Probability values for 1 hour at SSES LPZ

Probability that the X/Q is Greater than the Adjacent Quantized Level

QUANTIZED LEVEL	DIRECTION															
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
0.00 1E+00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1.0(0.04)E-10	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
3.5(0.04)E-09	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
1.0(0.04)E-08	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
2.5(0.04)E-08	0.0499	0.072	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.083	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398
7.0(0.04)E-08	0.0495	0.0719	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0829	0.1131	0.0624	0.0314	0.0204	0.0296	0.0397
1.0(0.04)E-07	0.0476	0.0707	0.0827	0.1446	0.0676	0.045	0.042	0.0458	0.0663	0.0807	0.1052	0.0582	0.031	0.0204	0.0295	0.0387
1.5(0.0)E-07	0.045	0.0689	0.0822	0.1446	0.0674	0.0447	0.0418	0.0455	0.0648	0.076	0.0916	0.0539	0.0303	0.0202	0.0292	0.0377
2.2(0.04)E-07	0.0439	0.0674	0.0807	0.1442	0.0673	0.0444	0.0415	0.0451	0.0632	0.0723	0.0838	0.0524	0.03	0.0202	0.0292	0.0376
3.2(0.04)E-07	0.0435	0.0664	0.0793	0.1433	0.0667	0.044	0.041	0.0444	0.0626	0.0704	0.0817	0.0521	0.0297	0.0201	0.0292	0.0375
4.8(0.04)E-07	0.0435	0.0663	0.0792	0.1431	0.0658	0.0436	0.0408	0.0441	0.0617	0.0702	0.0816	0.0512	0.0295	0.0201	0.029	0.0372
7.0(0.0)E-07	0.043	0.0661	0.0792	0.1431	0.0656	0.0436	0.0407	0.044	0.0612	0.0699	0.0805	0.0496	0.0292	0.0201	0.0288	0.0365
1.0(0.04)E-06	0.0423	0.0651	0.0791	0.1431	0.0656	0.0436	0.0405	0.044	0.0607	0.0694	0.0776	0.0483	0.029	0.0199	0.0287	0.0363
1.5(0.04)E-06	0.0423	0.0643	0.0782	0.1429	0.0656	0.0435	0.0402	0.0436	0.0603	0.0687	0.0755	0.0473	0.0278	0.0196	0.0284	0.0357
2.0(0.04)E-06	0.0422	0.0637	0.0778	0.1427	0.0652	0.0429	0.04	0.0435	0.0602	0.0682	0.074	0.0412	0.0243	0.0164	0.0257	0.0319
3.0(0.03)E-06	0.0329	0.0609	0.0768	0.142	0.0649	0.0416	0.0386	0.0407	0.0558	0.0648	0.0558	0.0232	0.0139	0.0088	0.0126	0.0173
4.0(0.02)E-06	0.0214	0.0508	0.0705	0.1407	0.0636	0.0399	0.0344	0.0355	0.0515	0.058	0.0407	0.0163	0.0097	0.0043	0.0068	0.0095
5.0 0.0)E-06	0.0173	0.0435	0.0632	0.1383	0.0618	0.037	0.0307	0.032	0.0453	0.0503	0.0326	0.0131	0.0065	0.0033	0.0053	0.0078
7.0 0.0)E-06	0.0136	0.0335	0.0563	0.1344	0.058	0.0334	0.0255	0.0269	0.0377	0.0384	0.0224	0.0071	0.004	0.0025	0.003	0.0046
8.5 0.0)E-06	0.01	0.025	0.0521	0.1315	0.0552	0.0312	0.0231	0.0244	0.0323	0.0295	0.0133	0.0047	0.0031	0.0018	0.0016	0.0028
1.0 0.0)E-05	0.0071	0.0206	0.0488	0.13	0.0533	0.0292	0.0209	0.0224	0.0289	0.0239	0.0096	0.0038	0.002	0.0013	0.0012	0.0021
1.5 0.0)E-05	0.0029	0.0121	0.0368	0.124	0.0486	0.0251	0.0172	0.0156	0.0172	0.0104	0.004	0.0012	0.001	0.0005	0.0006	0.0009
2.0 0.0)E-05	0.0021	0.0077	0.0301	0.1159	0.043	0.022	0.013	0.0116	0.0104	0.0068	0.0022	0.0006	0.0002	0.0003	0.0001	0.0005
2.5 0.0)E-05	0.0012	0.0063	0.0262	0.1095	0.0361	0.0169	0.0093	0.0089	0.0081	0.0051	0.0014	0.0003	0.0001	0.0003	0.0001	0.0003
3.0 0.0)E-05	0.0009	0.0052	0.0236	0.1016	0.0332	0.0146	0.0077	0.0083	0.0067	0.0033	0.0012	0.0002	0	0.0003	0.0001	0.0002
3.5 0.0)E-05	0.0006	0.0044	0.0201	0.0916	0.0311	0.0135	0.0074	0.0074	0.005	0.0024	0.0008	0.0002	0	0.0002	0.0001	0.0002
4.0 0.0)E-05	0.0005	0.0036	0.0166	0.0793	0.0281	0.0126	0.0067	0.0056	0.0029	0.0017	0.0005	0.0002	0	0	0.0001	0.0002
5.0 0.0)E-05	0.0003	0.0029	0.0119	0.0621	0.0225	0.0104	0.0046	0.0037	0.0015	0.0009	0.0002	0.0001	0	0	0	0.0001
6.0 0.0)E-05	0.0003	0.0018	0.0084	0.0432	0.0151	0.0071	0.0031	0.0018	0.001	0.0005	0.0002	0.0001	0	0	0	0
7.0 0.0)E-05	0.0002	0.0015	0.0061	0.0273	0.01	0.0048	0.0023	0.0015	0.0003	0.0001	0.0002	0.0001	0	0	0	0
8.5 0.0)E-05	0.0002	0.0008	0.0025	0.0107	0.0041	0.0024	0.0009	0.0008	0.0001	0.0001	0.0001	0.0001	0	0	0	0
1.0 0.0)E-04	0.0001	0.0005	0.0015	0.0038	0.0017	0.0015	0.0005	0.0003	0	0.0001	0.0001	0.0001	0	0	0	0
1.3 0)E-04	0	0.0001	0.0002	0.0003	0.0002	0.0002	0.0002	0	0	0	0	0	0	0	0	0
1.7 0)E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.3-103

2003 Probability values for 1 hour at SSES LPZ

Probability that the X/Q is Greater than the Adjacent Quantized Level

ED	QUANTIZED LEVEL	DIRECTION															
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
0	0.00E+00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0	1.00E-10	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
0	3.50E-09	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
0	1.00E-08	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
0	2.50E-08	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348
0	7.00E-08	0.039	0.0769	0.1096	0.1414	0.0673	0.0497	0.062	0.0474	0.061	0.0683	0.0996	0.0615	0.0297	0.0213	0.0287	0.0346
0	1.00E-07	0.0385	0.0764	0.109	0.1414	0.0673	0.0497	0.0613	0.0469	0.0603	0.0677	0.096	0.0587	0.0287	0.021	0.0274	0.0331
0	1.50E-07	0.0377	0.0746	0.108	0.1412	0.067	0.0494	0.0607	0.0461	0.0579	0.0656	0.09	0.0549	0.028	0.0196	0.0273	0.0323
0	2.20E-07	0.0373	0.0743	0.1068	0.141	0.0666	0.049	0.0603	0.0448	0.0564	0.0619	0.0854	0.053	0.0273	0.0191	0.0271	0.032
0	3.20E-07	0.0371	0.0739	0.1064	0.1405	0.0657	0.0489	0.0598	0.044	0.056	0.0601	0.0846	0.0527	0.0272	0.019	0.0271	0.0318
0	4.80E-07	0.0371	0.0737	0.1063	0.1397	0.065	0.0482	0.0595	0.0437	0.0557	0.0595	0.0843	0.0523	0.027	0.019	0.0271	0.0318
0	7.00E-07	0.0365	0.0737	0.106	0.1397	0.0649	0.0482	0.0595	0.0436	0.0554	0.0594	0.0829	0.0516	0.0266	0.0189	0.0266	0.0314
0	1.00E-06	0.0363	0.0728	0.1059	0.1397	0.0649	0.0482	0.0591	0.0435	0.0553	0.0591	0.0808	0.0513	0.0266	0.0188	0.0264	0.0314
0	1.50E-06	0.0361	0.0725	0.1056	0.1397	0.0649	0.0479	0.0587	0.0432	0.0553	0.0587	0.0799	0.0485	0.0255	0.0174	0.026	0.0314
0	2.00E-06	0.0353	0.0724	0.1055	0.1391	0.0648	0.0479	0.0583	0.043	0.0551	0.0581	0.0779	0.0416	0.0222	0.0152	0.0231	0.0292
0	3.00E-06	0.0286	0.0667	0.1025	0.138	0.0633	0.0463	0.0549	0.0413	0.0522	0.0558	0.0551	0.0258	0.0124	0.0098	0.0121	0.0141
0	4.00E-06	0.0198	0.0551	0.0928	0.1353	0.0618	0.0428	0.0481	0.0377	0.0475	0.0496	0.037	0.0182	0.0092	0.0066	0.0071	0.0086
0	5.00E-06	0.016	0.0499	0.0868	0.1322	0.0604	0.0392	0.0421	0.0346	0.0441	0.0438	0.0279	0.0139	0.0066	0.0048	0.0055	0.0074
0	7.00E-06	0.0108	0.0379	0.0753	0.1285	0.0566	0.0353	0.0364	0.0288	0.0358	0.034	0.0179	0.0081	0.0038	0.0027	0.0035	0.0051
0	8.50E-06	0.0075	0.0318	0.0688	0.1251	0.0542	0.0318	0.0324	0.024	0.0299	0.025	0.0106	0.0055	0.0025	0.0017	0.0022	0.0022
0	1.00E-05	0.0058	0.025	0.0633	0.1215	0.0512	0.029	0.0289	0.0219	0.0256	0.0189	0.008	0.0043	0.0018	0.001	0.0015	0.0013
0	1.50E-05	0.0024	0.0123	0.0485	0.1126	0.0446	0.0228	0.0226	0.0149	0.0146	0.0097	0.0037	0.0014	0.001	0.0006	0.0006	0.0008
0	2.00E-05	0.0014	0.0066	0.0358	0.0989	0.0382	0.0182	0.0165	0.01	0.0082	0.0053	0.0017	0.0007	0.0005	0.0002	0.0003	0.0006
0	2.50E-05	0.0013	0.0046	0.0303	0.0893	0.0302	0.0129	0.0118	0.0056	0.0059	0.0029	0.0009	0.0002	0.0005	0	0.0001	0.0003
0	3.00E-05	0.0008	0.003	0.0272	0.0823	0.0271	0.0114	0.0086	0.0046	0.0045	0.0023	0.0002	0.0002	0.0005	0	0	0.0001
0	3.50E-05	0.0005	0.0027	0.0236	0.0709	0.0229	0.0091	0.0066	0.0038	0.0033	0.0016	0	0.0001	0.0005	0	0	0.0001
0	4.00E-05	0.0002	0.0021	0.0209	0.0604	0.0212	0.0084	0.0053	0.003	0.0024	0.0009	0	0.0001	0.0005	0	0	0.0001
0	5.00E-05	0.0002	0.0014	0.0152	0.0448	0.0175	0.0066	0.0043	0.0015	0.0013	0.0007	0	0.0001	0.0003	0	0	0
0	6.00E-05	0.0002	0.0012	0.0109	0.0322	0.012	0.0035	0.003	0.0009	0.001	0.0005	0	0	0.0002	0	0	0
0	7.00E-05	0	0.001	0.0081	0.019	0.0071	0.0025	0.0018	0.0007	0.0006	0	0	0	0.0001	0	0	0
0	8.50E-05	0	0.0005	0.0036	0.006	0.0038	0.0012	0.0009	0.0005	0.0001	0	0	0	0.0001	0	0	0
0	1.00E-04	0	0.0002	0.0012	0.0023	0.0021	0.0007	0.0003	0.0002	0	0	0	0	0.0001	0	0	0
0	1.30E-04	0	0	0.0001	0	0	0	0.0001	0	0	0	0	0	0	0	0	0
0	1.70E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.3-104

1999 - 2003 Average Probability Values for 1 hour at SSES LPZ

Probability that the X/Q is Greater than the Adjacent Quantized Level

QUANTIZED LEVEL	DIRECTION															
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
0.00E+00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1.5.1300E-10	5.13E-02	7.05E-02	9.23E-02	1.56E-01	7.49E-02	4.53E-02	4.87E-02	4.26E-02	6.18E-02	7.04E-02	1.04E-01	5.99E-02	3.03E-02	2.13E-02	3.15E-02	4.20E-02
3.5.1350E-09	5.13E-02	7.05E-02	9.23E-02	1.56E-01	7.49E-02	4.53E-02	4.87E-02	4.26E-02	6.18E-02	7.04E-02	1.04E-01	5.99E-02	3.03E-02	2.13E-02	3.15E-02	4.20E-02
1.5.1300E-08	5.13E-02	7.05E-02	9.23E-02	1.56E-01	7.49E-02	4.53E-02	4.87E-02	4.26E-02	6.18E-02	7.04E-02	1.04E-01	5.99E-02	3.03E-02	2.13E-02	3.15E-02	4.20E-02
2.5.1350E-08	5.13E-02	7.05E-02	9.23E-02	1.56E-01	7.49E-02	4.53E-02	4.87E-02	4.26E-02	6.18E-02	7.04E-02	1.04E-01	5.99E-02	3.03E-02	2.13E-02	3.15E-02	4.20E-02
7.5.1200E-08	5.12E-02	7.04E-02	9.23E-02	1.56E-01	7.49E-02	4.53E-02	4.87E-02	4.26E-02	6.18E-02	7.04E-02	1.04E-01	5.94E-02	3.03E-02	2.13E-02	3.15E-02	4.19E-02
1.5.0500E-07	5.05E-02	6.95E-02	9.21E-02	1.56E-01	7.49E-02	4.53E-02	4.83E-02	4.24E-02	6.12E-02	6.96E-02	9.92E-02	5.58E-02	2.91E-02	2.10E-02	3.12E-02	4.14E-02
1 4.8750E-07	4.87E-02	6.73E-02	9.09E-02	1.55E-01	7.47E-02	4.51E-02	4.78E-02	4.18E-02	5.90E-02	6.66E-02	8.87E-02	5.21E-02	2.74E-02	2.02E-02	3.09E-02	4.08E-02
2 4.8120E-07	4.81E-02	6.57E-02	8.89E-02	1.55E-01	7.43E-02	4.45E-02	4.66E-02	4.05E-02	5.65E-02	6.29E-02	8.25E-02	5.07E-02	2.70E-02	2.00E-02	3.07E-02	4.05E-02
3 4.7820E-07	4.78E-02	6.48E-02	8.75E-02	1.54E-01	7.37E-02	4.38E-02	4.59E-02	3.98E-02	5.54E-02	6.08E-02	8.05E-02	5.03E-02	2.68E-02	2.00E-02	3.07E-02	4.03E-02
4 4.7780E-07	4.77E-02	6.47E-02	8.72E-02	1.53E-01	7.27E-02	4.31E-02	4.55E-02	3.95E-02	5.49E-02	6.03E-02	8.00E-02	4.97E-02	2.67E-02	2.00E-02	3.06E-02	4.02E-02
7 4.7100E-07	4.71E-02	6.43E-02	8.71E-02	1.53E-01	7.24E-02	4.29E-02	4.54E-02	3.94E-02	5.46E-02	6.02E-02	7.89E-02	4.80E-02	2.61E-02	1.99E-02	3.04E-02	3.99E-02
1 4.6300E-06	4.63E-02	6.35E-02	8.67E-02	1.53E-01	7.23E-02	4.29E-02	4.52E-02	3.93E-02	5.43E-02	5.97E-02	7.66E-02	4.69E-02	2.58E-02	1.94E-02	3.02E-02	3.96E-02
1 4.6250E-06	4.62E-02	6.29E-02	8.60E-02	1.53E-01	7.22E-02	4.27E-02	4.49E-02	3.90E-02	5.36E-02	5.87E-02	7.46E-02	4.49E-02	2.50E-02	1.90E-02	3.00E-02	3.92E-02
2 4.5100E-06	4.51E-02	6.25E-02	8.57E-02	1.52E-01	7.20E-02	4.23E-02	4.45E-02	3.87E-02	5.31E-02	5.82E-02	7.26E-02	3.77E-02	2.26E-02	1.72E-02	2.80E-02	3.52E-02
3 3.1600E-06	3.19E-02	5.78E-02	8.38E-02	1.52E-01	7.13E-02	4.13E-02	4.26E-02	3.72E-02	5.11E-02	5.62E-02	5.57E-02	2.19E-02	1.30E-02	1.01E-02	1.43E-02	1.76E-02
4 2.0600E-06	2.06E-02	4.78E-02	7.85E-02	1.49E-01	6.96E-02	3.88E-02	3.87E-02	3.43E-02	4.71E-02	5.06E-02	4.18E-02	1.57E-02	8.24E-03	5.80E-03	7.80E-03	9.54E-03
5 1.6600E-06	1.66E-02	4.12E-02	7.06E-02	1.47E-01	6.74E-02	3.65E-02	3.53E-02	3.13E-02	4.24E-02	4.49E-02	3.45E-02	1.20E-02	5.86E-03	4.04E-03	5.96E-03	7.50E-03
7 1.2300E-06	1.23E-02	3.24E-02	6.17E-02	1.42E-01	6.37E-02	3.35E-02	3.03E-02	2.61E-02	3.60E-02	3.60E-02	2.36E-02	7.02E-03	3.58E-03	2.52E-03	4.30E-03	5.38E-03
8 9.0850E-06	9.08E-03	2.57E-02	5.61E-02	1.39E-01	6.12E-02	3.15E-02	2.73E-02	2.31E-02	3.14E-02	2.85E-02	1.50E-02	4.68E-03	2.52E-03	1.64E-03	2.34E-03	2.58E-03
1 6.8000E-05	6.80E-03	2.10E-02	5.20E-02	1.36E-01	5.84E-02	2.91E-02	2.45E-02	2.10E-02	2.77E-02	2.27E-02	1.14E-02	3.64E-03	1.86E-03	9.19E-04	1.46E-03	1.66E-03
1 3.0450E-05	3.04E-03	1.15E-02	3.94E-02	1.27E-01	5.26E-02	2.44E-02	1.96E-02	1.54E-02	1.78E-02	1.09E-02	5.06E-03	1.40E-03	1.00E-03	4.00E-04	6.60E-04	7.80E-04
2 2.0800E-05	2.08E-03	6.82E-03	3.03E-02	1.15E-01	4.65E-02	2.07E-02	1.52E-02	1.07E-02	1.05E-02	6.40E-03	2.86E-03	5.40E-04	5.60E-04	2.00E-04	2.20E-04	4.80E-04
2 1.4850E-05	1.48E-03	5.12E-03	2.53E-02	1.06E-01	3.94E-02	1.59E-02	1.10E-02	7.10E-03	7.70E-03	4.32E-03	1.90E-03	3.40E-04	4.80E-04	1.20E-04	1.20E-04	2.40E-04
3 9.8000E-05	9.80E-04	3.84E-03	2.22E-02	9.65E-02	3.51E-02	1.35E-02	8.88E-03	5.94E-03	6.34E-03	3.06E-03	1.26E-03	2.40E-04	3.60E-04	9.99E-05	1.00E-04	1.20E-04
3 7.4050E-05	7.40E-04	3.22E-03	1.90E-02	8.52E-02	3.15E-02	1.14E-02	7.24E-03	5.16E-03	4.92E-03	2.14E-03	9.21E-04	1.60E-04	3.40E-04	8.00E-05	6.00E-05	7.98E-05
4 5.0000E-05	5.00E-04	2.56E-03	1.62E-02	7.34E-02	2.82E-02	1.04E-02	6.18E-03	3.98E-03	3.22E-03	1.40E-03	6.20E-04	9.99E-05	2.40E-04	4.01E-05	1.99E-05	7.98E-05
5 3.2000E-05	3.20E-04	1.84E-03	1.23E-02	5.63E-02	2.32E-02	8.68E-03	4.88E-03	2.64E-03	1.88E-03	8.20E-04	4.21E-04	7.99E-05	1.40E-04	4.01E-05	0.00E+00	4.00E-05
6 2.8000E-05	2.80E-04	1.44E-03	8.84E-03	3.74E-02	1.60E-02	5.94E-03	3.24E-03	1.42E-03	1.10E-03	6.00E-04	2.20E-04	1.99E-05	1.20E-04	4.01E-05	0.00E+00	2.00E-05
7 1.2000E-05	1.20E-04	1.14E-03	6.54E-03	2.34E-02	1.04E-02	4.22E-03	2.30E-03	1.08E-03	6.81E-04	2.81E-04	1.40E-04	1.99E-05	6.00E-05	4.01E-05	0.00E+00	2.00E-05
8 9.9850E-05	9.99E-05	5.80E-04	3.16E-03	9.44E-03	5.46E-03	2.22E-03	1.30E-03	5.00E-04	1.40E-04	1.61E-04	7.99E-05	1.99E-05	6.00E-05	0.00E+00	0.00E+00	2.00E-05
1 5.9800E-04	5.99E-05	3.80E-04	1.52E-03	3.42E-03	2.72E-03	1.56E-03	7.41E-04	2.80E-04	8.02E-05	6.01E-05	3.99E-05	1.99E-05	1.99E-05	0.00E+00	0.00E+00	2.00E-05
1 2.0030E-04	2.00E-05	3.99E-05	1.60E-04	3.00E-04	4.01E-04	1.20E-04	2.40E-04	2.00E-05	4.01E-05	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1 0.00.70E-04	0.00E+00	0.00E+00	2.00E-05	4.00E-05	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2 0.00.00E-04	0.00E+00	0.00E+00	2.00E-05	2.00E-05	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2 0.00.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3 0.00.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3 0.00.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 0.00.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 0.00.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 0.00.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7 0.00.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 0.00.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1 0.00.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1 0.00.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2 0.00.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3 0.00.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 0.00.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TABLE 2.3-105 SUMMARY OF LONG-TERM X/Q (SEC/M3) RESULTS AT 4827 METER LPZ

Period of Record	USNRC Reg. Guide1.145 Interpolation Methodology								Annual Average	
	0-8 hours		8-24 hours		24-96 hours		96-720 hours		8760 hours	
	0.5%*	50%**	0.5%*	50%**	0.5%*	50%**	0.5%*	50%**	Direction Dependent	Direction Independent
1999	5.4E-05	4.6E-06	3.8E-05	3.7E-06	1.8E-05	2.3E-06	6.3E-06	1.1E-06	1.7E-06	4.8E-07
2000	4.9E-05	4.8E-06	3.5E-05	3.8E-06	1.7E-05	2.3E-06	6.0E-06	1.1E-06	1.7E-06	4.8E-07
2001	5.0E-05	5.4E-06	3.6E-05	4.3E-06	1.7E-05	2.6E-06	6.1E-06	1.3E-06	1.7E-06	5.3E-07
2002	5.0E-05	4.5E-06	3.6E-05	3.6E-06	1.7E-05	2.2E-06	6.1E-06	1.1E-06	1.7E-06	4.5E-07
2003	4.6E-05	4.7E-06	3.3E-05	3.7E-06	1.6E-05	2.2E-06	5.9E-06	1.1E-06	1.7E-06	4.4E-07
5-year Combined	4.9E-05	4.8E-06	3.5E-05	3.8E-06	1.7E-05	2.3E-06	6.1E-06	1.1E-06	1.7E-06	4.7E-7

*direction dependent values (see Figure 2.3-10)
** direction independent values (see Figure 2.3-10)

TABLE 2.3-106. DISTANCES AND TERRAIN/RECIRCULATION CORRECTION FACTORS FOR SSES 2003 LAND USE CENSUS LOCATIONS

RESIDENCE			GARDEN		
AFFECTED SECTOR	MILES	Terrain Correction Factor	AFFECTED SECTOR	MILES	Terrain Correction Factor
N	1.3	2.15	N	3.2	2.19
NNE	1	2.50	NNE	2.3	2.55
NE	0.9	2.33	NE	2.7	2.47
ENE	2.1	2.42	ENE	2.4	2.48
E	1.4	2.09	E	1.8	2.07
ESE	0.5	2.58	ESE	2.5	2.00
SE	0.5	2.43	SE	0.6	2.44
SSE	0.6	2.71	SSE	1.5	2.44
S	1	2.46	S	1.1	2.43
SSW	0.9	2.39	SSW	1.2	2.35
SW	1.5	2.14	SW	1.9	2.11
WSW	1.3	2.32	WSW	1.3	2.32
W	1.2	2.18	W	1.2	2.18
WNW	0.8	2.74	WNW		
NW	0.8	3.30	NW	1.8	3.06
NNW	0.6	2.53	NNW	4	2.40
PRODUCTION ANIMAL			**DAIRY ANIMAL**		
AFFECTED SECTOR	MILES	Terrain Correction Factor	AFFECTED SECTOR	MILES	Terrain Correction Factor
NNE	2.3	2.55	E	4.5	1.80
ENE	2.4	2.48	ESE	2.7	1.96
E	1.4	2.09	ESE	4.2	1.58
SSW	3	2.35	SSW	3	2.11
SSW	3.5	1.88	SSW	3.1	2.06
WSW	1.7	2.34	SSW	3.5	1.88
NW	1.8	3.06	SSW	14.01	1.03
			WSW	1.7	2.34
			W	5	1.46
			NNW	4.2	2.4

Distances to the nearest garden, residence, dairy animal and production animal in each of the affected sectors was provided by the 2003 SSES Land Use Census. The terrain/recirculation correction factors listed for the distances in the above tables were mathematically interpolated from the terrain/recirculation factors quoted for standard distances in the SSES Final Safety Analysis Report.

TABLE 2.3-107 1999 AVERAGE RELATIVE CONCENTRATION (sec/meter^3) AND DEPOSITION (meter^{-2}) ESTIMATES AT THE SITE BOUNDARY

Affected Sector		Relative Concentration (sec/meter^3)			Deposition
	Distance (miles	No Decay Undepleted	2.26 Days of Decay Undepleted	8.0 Days of Decay Depleted	D/Q (meter^{-2})
N	0.59	5.57E-06	5.55E-06	5.03E-06	1.75E-08
NNE	0.78	3.88E-06	3.86E-06	3.43E-06	1.51E-08
NE	0.7	4.40E-06	4.39E-06	3.93E-06	2.70E-08
ENE	0.86	1.50E-06	1.50E-06	1.32E-06	1.29E-08
E	0.8	8.48E-07	8.46E-07	7.50E-07	6.68E-09
ESE	0.5	1.13E-06	1.13E-06	1.03E-06	9.26E-09
SE	0.43	2.39E-06	2.39E-06	2.21E-06	1.97E-08
SSE	0.41	3.14E-06	3.14E-06	2.91E-06	2.88E-08
S	0.38	6.71E-06	6.70E-06	6.25E-06	4.66E-08
SSW	0.39	1.07E-05	1.07E-05	9.96E-06	5.41E-08
SW	0.61	1.13E-05	1.13E-05	1.02E-05	2.86E-08
WSW	1.22	1.28E-05	1.27E-05	1.10E-05	1.66E-08
W	1.03	7.68E-06	7.61E-06	6.67E-06	1.00E-08
WNW	0.61	1.04E-05	1.04E-05	9.38E-06	1.72E-08
NW	0.66	7.44E-06	7.40E-06	6.67E-06	1.70E-08
NNW	0.59	5.14E-06	5.12E-06	4.64E-06	1.42E-08

The above values were calculated using the XDCALC atmospheric dispersion model with terrain/recirculation factors included.

TABLE 2.3-108 2000 AVERAGE RELATIVE CONCENTRATION (sec/meter^3) AND DEPOSITION (meter^{-2}) ESTIMATES AT THE SITE BOUNDARY

Affected Sector		Relative Concentration (sec/meter^3)			Deposition
	Distance (miles	No Decay Undepleted	2.26 Days of Decay Undepleted	8.0 Days of Decay Depleted	D/Q (meter^{-2})
N	0.59	6.83E-06	6.80E-06	6.16E-06	2.10E-08
NNE	0.78	4.35E-06	4.33E-06	3.86E-06	1.51E-08
NE	0.7	4.17E-06	4.16E-06	3.73E-06	2.61E-08
ENE	0.86	1.40E-06	1.39E-06	1.23E-06	1.14E-08
E	0.8	8.89E-07	8.86E-07	7.86E-07	6.31E-09
ESE	0.5	1.57E-06	1.56E-06	1.43E-06	1.23E-08
SE	0.43	2.60E-06	2.60E-06	2.40E-06	2.20E-08
SSE	0.41	4.09E-06	4.09E-06	3.79E-06	3.52E-08
S	0.38	6.21E-06	6.20E-06	5.78E-06	4.11E-08
SSW	0.39	1.22E-05	1.22E-05	1.14E-05	4.90E-08
SW	0.61	1.24E-05	1.24E-05	1.12E-05	2.90E-08
WSW	1.22	1.24E-05	1.23E-05	1.07E-05	1.65E-08
W	1.03	7.62E-06	7.55E-06	6.61E-06	1.03E-08
WNW	0.61	8.27E-06	8.23E-06	7.45E-06	1.55E-08
NW	0.66	8.40E-06	8.36E-06	7.53E-06	1.68E-08
NNW	0.59	5.99E-06	5.96E-06	5.41E-06	1.41E-08

The above values were calculated using the XDCALC atmospheric dispersion model with terrain/recirculation factors included.

TABLE 2.3-109 2001 AVERAGE RELATIVE CONCENTRATION (sec/meter^3) AND DEPOSITION (meter^{-2}) ESTIMATES AT THE SITE BOUNDARY

Affected Sector		Relative Concentration (sec/meter^3)			Deposition
	Distance (miles	No Decay Undepleted	2.26 Days of Decay Undepleted	8.0 Days of Decay Depleted	D/Q (meter^{-2})
N	0.59	7.27E-06	7.24E-06	6.56E-06	2.22E-08
NNE	0.78	4.18E-06	4.16E-06	3.70E-06	1.52E-08
NE	0.7	4.34E-06	4.33E-06	3.87E-06	2.77E-08
ENE	0.86	1.35E-06	1.34E-06	1.19E-06	1.16E-08
E	0.8	7.05E-07	7.03E-07	6.24E-07	5.37E-09
ESE	0.5	1.17E-06	1.17E-06	1.07E-06	8.69E-09
SE	0.43	2.89E-06	2.88E-06	2.66E-06	2.37E-08
SSE	0.41	3.85E-06	3.84E-06	3.56E-06	3.06E-08
S	0.38	6.07E-06	6.06E-06	5.65E-06	3.90E-08
SSW	0.39	1.01E-05	1.01E-05	9.35E-06	4.23E-08
SW	0.61	1.07E-05	1.06E-05	9.60E-06	2.23E-08
WSW	1.22	1.37E-05	1.36E-05	1.18E-05	1.74E-08
W	1.03	8.94E-06	8.86E-06	7.76E-06	1.12E-08
WNW	0.61	1.09E-05	1.08E-06	9.77E-06	1.79E-08
NW	0.66	8.76E-06	8.72E-06	7.85E-06	1.94E-08
NNW	0.59	7.07E-06	7.04E-06	6.38E-06	1.80E-08

The above values were calculated using the XDCALC atmospheric dispersion model with terrain/recirculation factors included.

TABLE 2.3-110 2002 AVERAGE RELATIVE CONCENTRATION (sec/meter^3) AND DEPOSITION (meter^{-2}) ESTIMATES AT THE SITE BOUNDARY					
Affected Sector		Relative Concentration (sec/meter^3)			Deposition
	Distance (miles	No Decay Undepleted	2.26 Days of Decay Undepleted	8.0 Days of Decay Depleted	D/Q (meter^{-2})
N	0.59	6.61E-06	6.58E-06	5.97E-06	2.28E-08
NNE	0.78	4.44E-06	4.43E-06	3.94E-06	1.87E-08
NE	0.7	4.03E-06	4.02E-06	3.60E-06	3.03E-08
ENE	0.86	1.58E-06	1.57E-06	1.39E-06	1.28E-08
E	0.8	9.13E-07	9.10E-07	8.08E-07	6.69E-09
ESE	0.5	1.30E-06	1.30E-06	1.19E-06	1.07E-08
SE	0.43	2.10E-06	2.10E-06	1.94E-06	1.90E-08
SSE	0.41	3.28E-06	3.28E-06	3.04E-06	2.91E-08
S	0.38	5.71E-06	5.70E-06	5.31E-06	3.78E-08
SSW	0.39	1.24E-05	1.23E-05	1.15E-05	5.14E-08
SW	0.61	1.13E-05	1.13E-05	1.02E-05	2.45E-08
WSW	1.22	1.26E-05	1.25E-05	1.08E-05	1.48E-08
W	1.03	6.95E-06	6.89E-06	6.04E-06	8.88E-09
WNW	0.61	1.02E-05	1.02E-05	9.19E-06	1.74E-08
NW	0.66	7.22E-06	7.18E-06	6.46E-06	1.63E-08
NNW	0.59	6.63E-06	6.61E-06	5.99E-06	1.79E-08
The above values were calculated using the XDCALC atmospheric dispersion model with terrain/recirculation factors included.					

TABLE 2.3-111 2003 AVERAGE RELATIVE CONCENTRATION (sec/meter^3) AND DEPOSITION (meter^{-2}) ESTIMATES AT THE SITE BOUNDARY

Affected Sector		Relative Concentration (sec/meter^3)			Deposition
	Distance (miles	No Decay Undepleted	2.26 Days of Decay Undepleted	8.0 Days of Decay Depleted	D/Q (meter^{-2})
N	0.59	6.10E-06	6.08E-06	5.51E-06	2.05E-08
NNE	0.78	3.87E-06	3.86E-06	3.43E-06	1.54E-08
NE	0.7	3.70E-06	3.69E-06	3.30E-06	2.65E-08
ENE	0.86	1.61E-06	1.61E-06	1.42E-06	1.27E-08
E	0.8	9.09E-07	9.06E-07	8.04E-07	6.37E-09
ESE	0.5	1.33E-06	1.33E-06	1.22E-06	1.12E-08
SE	0.43	2.09E-06	2.09E-06	1.93E-06	1.84E-08
SSE	0.41	2.80E-06	2.80E-06	2.59E-06	2.55E-08
S	0.38	4.69E-06	4.69E-06	4.37E-06	2.97E-08
SSW	0.39	1.28E-05	1.28E-05	1.19E-06	5.49E-08
SW	0.61	1.45E-05	1.45E-05	1.31E-05	3.25E-08
WSW	1.22	1.10E-05	1.09E-05	9.46E-06	1.45E-08
W	1.03	6.36E-06	6.31E-06	5.53E-06	8.85E-09
WNW	0.61	9.16E-06	9.12E-06	8.25E-06	1.91E-08
NW	0.66	9.36E-06	9.32E-06	8.39E-06	2.37E-08
NNW	0.59	6.10E-06	6.08E-06	5.51E-06	1.83E-08

The above values were calculated using the XDCALC atmospheric dispersion model with terrain/recirculation factors included.

TABLE 2.3-112. 1999 - 2003 AVERAGE RELATIVE CONCENTRATION (sec/meter^3) AND DEPOSITION (meter^{-2}) ESTIMATES AT THE SITE BOUNDARY

Affected Sector		Relative Concentration (sec/meter^3)			Deposition
	Distance (miles	No Decay Undepleted	2.26 Days of Decay Undepleted	8.0 Days of Decay Depleted	D/Q (meter^{-2})
N	0.59	6.47E-06	6.45E-06	5.85E-06	2.08E-08
NNE	0.78	4.15E-06	4.13E-06	3.67E-06	1.59E-08
NE	0.7	4.13E-06	4.12E-06	3.69E-06	2.75E-08
ENE	0.86	1.49E-06	1.48E-06	1.31E-06	1.23E-08
E	0.8	8.53E-07	8.50E-07	7.55E-07	6.28E-09
ESE	0.5	1.30E-06	1.30E-06	1.19E-06	1.05E-08
SE	0.43	2.42E-06	2.41E-06	2.23E-06	2.06E-08
SSE	0.41	3.43E-06	3.43E-06	3.18E-06	2.98E-08
S	0.38	5.88E-06	5.87E-06	5.47E-06	3.88E-08
SSW	0.39	1.16E-05	1.16E-05	1.08E-05	5.03E-08
SW	0.61	1.21E-05	1.20E-05	1.09E-05	2.74E-08
WSW	1.22	1.25E-05	1.24E-05	1.07E-05	1.60E-08
W	1.03	7.51E-06	7.45E-06	6.52E-06	9.85E-09
WNW	0.61	9.78E-06	9.73E-06	8.81E-06	1.74E-08
NW	0.66	8.24E-06	8.19E-06	7.38E-06	1.86E-08
NNW	0.59	6.19E-06	6.16E-06	5.59E-06	1.65E-08

The above values were calculated using the XDCALC atmospheric dispersion model with terrain/recirculation factors included.

TABLE 2.3-113 1999 AVERAGE RELATIVE CONCENTRATION (sec/meter^3) AND DEPOSITION (meter^{-2}) ESTIMATES AT THE EXCLUSION AREA BOUNDARY

Affected Sector		Relative Concentration (sec/meter^3)			Deposition
	Distance (miles	No Decay Undepleted	2.26 Days of Decay Undepleted	8.0 Days of Decay Depleted	D/Q (meter^{-2})
N	0.34	1.23E-05	1.23E-05	1.15E-05	4.43E-08
NNE	0.34	1.09E-05	1.09E-05	1.02E-05	5.21E-08
NE	0.34	1.18E-05	1.18E-05	1.10E-05	8.56E-08
ENE	0.34	5.60E-06	5.60E-06	5.25E-06	5.80E-08
E	0.34	2.98E-06	2.98E-06	2.80E-06	2.81E-08
ESE	0.34	2.16E-06	2.16E-06	2.03E-06	1.92E-08
SE	0.34	3.39E-06	3.39E-06	3.18E-06	2.94E-08
SSE	0.34	4.01E-06	4.00E-06	3.76E-06	3.82E-08
S	0.34	7.75E-06	7.74E-06	7.27E-06	5.51E-08
SSW	0.34	1.32E-05	1.32E-05	1.24E-05	6.85E-08
SW	0.34	2.50E-05	2.49E-05	2.34E-05	7.10E-08
WSW	0.34	6.81E-05	6.80E-05	6.38E-05	1.06E-07
W	0.34	4.22E-05	4.22E-05	3.96E-05	6.73E-08
WNW	0.34	2.38E-05	2.37E-05	2.23E-05	4.43E-08
NW	0.34	1.96E-05	1.96E-05	1.84E-05	5.20E-08
NNW	0.34	1.03E-05	1.03E-05	9.68E-06	3.23E-08

The above values were calculated using the XDCALC atmospheric dispersion model with terrain/recirculation factors included.

TABLE 2.3-114 2000 AVERAGE RELATIVE CONCENTRATION (sec/meter^3) AND DEPOSITION (meter^{-2}) ESTIMATES AT THE EXCLUSION AREA BOUNDARY

Affected Sector		Relative Concentration (sec/meter^3)			Deposition
	Distance (miles	No Decay Undepleted	2.26 Days of Decay Undepleted	8.0 Days of Decay Depleted	D/Q (meter^{-2})
N	0.34	1.50E-05	1.50E-05	1.41E-05	5.30E-08
NNE	0.34	1.23E-05	1.23E-05	1.15E-05	5.22E-08
NE	0.34	1.14E-05	1.13E-05	1.06E-05	8.26E-08
ENE	0.34	5.29E-06	5.29E-06	4.96E-06	5.14E-08
E	0.34	3.16E-06	3.15E-06	2.96E-06	2.66E-08
ESE	0.34	3.00E-06	3.00E-06	2.82E-06	2.55E-08
SE	0.34	3.69E-06	3.69E-06	3.47E-06	3.30E-08
SSE	0.34	5.22E-06	5.22E-06	4.89E-06	4.66E-08
S	0.34	7.17E-06	7.17E-06	6.72E-06	4.85E-08
SSW	0.34	1.50E-05	1.50E-05	1.41E-05	6.20E-08
SW	0.34	2.74E-05	2.74E-05	2.57E-05	7.20E-08
WSW	0.34	6.45E-05	6.45E-05	6.05E-05	1.05E-07
W	0.34	4.12E-05	4.11E-05	3.86E-05	6.93E-08
WNW	0.34	1.88E-05	1.87E-05	1.76E-05	4.00E-08
NW	0.34	2.21E-05	2.21E-05	2.07E-05	5.14E-08
NNW	0.34	1.19E-05	1.19E-05	1.12E-05	3.22E-08

The above values were calculated using the XDCALC atmospheric dispersion model with terrain/recirculation factors included.

TABLE 2.3-115 2001 AVERAGE RELATIVE CONCENTRATION (sec/meter^3) AND DEPOSITION (meter^{-2}) ESTIMATES AT THE EXCLUSION AREA BOUNDARY

Affected Sector		Relative Concentration (sec/meter^3)			Deposition
	Distance (miles	No Decay Undepleted	2.26 Days of Decay Undepleted	8.0 Days of Decay Depleted	D/Q (meter^{-2})
N	0.34	1.61E-05	1.60E-05	1.51E-05	5.61E-08
NNE	0.34	1.17E-05	1.17E-05	1.10E-05	5.26E-08
NE	0.34	1.19E-05	1.18E-05	1.11E-05	8.78E-08
ENE	0.34	5.14E-06	5.14E-06	4.82E-06	5.23E-08
E	0.34	2.51E-06	2.51E-06	2.35E-06	2.26E-08
ESE	0.34	2.23E-06	2.23E-06	2.09E-06	1.80E-08
SE	0.34	4.12E-06	4.12E-06	3.86E-06	3.54E-08
SSE	0.34	4.90E-06	4.90E-06	4.60E-06	4.05E-08
S	0.34	7.01E-06	7.00E-06	6.57E-06	4.61E-08
SSW	0.34	1.23E-05	1.23E-05	1.16E-05	5.35E-08
SW	0.34	2.34E-05	2.34E-05	2.20E-05	5.53E-08
WSW	0.34	7.16E-05	7.15E-05	6.71E-05	1.11E-07
W	0.34	4.83E-05	4.83E-05	4.53E-05	7.56E-08
WNW	0.34	2.44E-05	2.43E-05	2.28E-05	4.62E-08
NW	0.34	2.29E-05	2.29E-05	2.15E-05	5.93E-08
NNW	0.34	1.40E-05	1.40E-05	1.31E-05	4.10E-08

The above values were calculated using the XDCALC atmospheric dispersion model with terrain/recirculation factors included.

TABLE 2.3-116 2002 AVERAGE RELATIVE CONCENTRATION (sec/meter^3) AND DEPOSITION (meter^{-2}) ESTIMATES AT THE EXCLUSION AREA BOUNDARY

Affected Sector		Relative Concentration (sec/meter^3)			Deposition
	Distance (miles	No Decay Undepleted	2.26 Days of Decay Undepleted	8.0 Days of Decay Depleted	D/Q (meter^{-2})
N	0.34	1.45E-05	1.45E-05	1.36E-05	5.77E-08
NNE	0.34	1.25E-05	1.25E-05	1.17E-05	6.47E-08
NE	0.34	1.10E-05	1.10E-05	1.03E-05	9.60E-08
ENE	0.34	5.93E-06	5.93E-06	5.56E-06	5.79E-08
E	0.34	3.20E-06	3.20E-06	3.00E-06	2.82E-08
ESE	0.34	2.48E-06	2.48E-06	2.32E-06	2.22E-08
SE	0.34	2.99E-06	2.99E-06	2.81E-06	2.84E-08
SSE	0.34	4.19E-06	4.19E-06	3.93E-06	3.86E-08
S	0.34	6.58E-06	6.57E-06	6.17E-06	4.47E-08
SSW	0.34	1.52E-05	1.52E-05	1.42E-05	6.51E-08
SW	0.34	2.51E-05	2.51E-05	2.36E-05	6.08E-08
WSW	0.34	6.65E-05	6.64E-05	6.24E-05	9.45E-08
W	0.34	3.72E-05	3.71E-05	3.49E-05	5.98E-08
WNW	0.34	2.32E-05	2.31E-05	2.17E-05	4.47E-08
NW	0.34	1.91E-05	1.90E-05	1.79E-05	4.97E-08
NNW	0.34	1.33E-05	1.33E-05	1.25E-05	4.09E-08

The above values were calculated using the XDCALC atmospheric dispersion model with *terrain/recirculation factors included.*

TABLE 2.3-117 2003 AVERAGE RELATIVE CONCENTRATION (sec/meter^3) AND DEPOSITION (meter^{-2}) ESTIMATES AT THE EXCLUSION AREA BOUNDARY

Affected Sector		Relative Concentration (sec/meter^3)			Deposition
	Distance (miles	No Decay Undepleted	2.26 Days of Decay Undepleted	8.0 Days of Decay Depleted	D/Q (meter^{-2})
N	0.34	1.34E-05	1.34E-05	1.26E-05	5.19E-08
NNE	0.34	1.08E-05	1.08E-05	1.02E-05	5.33E-08
NE	0.34	1.00E-05	1.00E-05	9.38E-06	8.40E-08
ENE	0.34	5.94E-06	5.93E-06	5.57E-06	5.73E-08
E	0.34	3.18E-06	3.18E-06	2.98E-06	2.68E-08
ESE	0.34	2.53E-06	2.53E-06	2.38E-06	2.33E-08
SE	0.34	2.97E-06	2.97E-06	2.79E-06	2.75E-08
SSE	0.34	3.56E-06	3.56E-06	3.34E-06	3.38E-08
S	0.34	5.41E-06	5.40E-06	5.07E-06	3.51E-08
SSW	0.34	1.57E-05	1.57E-05	1.47E-05	6.96E-08
SW	0.34	3.21E-05	3.21E-05	3.01E-05	8.07E-08
WSW	0.34	5.65E-05	5.65E-05	5.30E-05	9.25E-08
W	0.34	3.37E-05	3.37E-05	3.16E-05	5.96E-08
WNW	0.34	2.05E-05	2.05E-05	1.92E-05	4.93E-08
NW	0.34	2.43E-05	2.43E-05	2.28E-05	7.25E-08
NNW	0.34	1.21E-05	1.21E-05	1.14E-05	4.18E-08

The above values were calculated using the XDCALC atmospheric dispersion model with terrain/recirculation factors included.

TABLE 2.3-118 1999 - 2003 AVERAGE RELATIVE CONCENTRATION (sec/meter^3) AND DEPOSITION (meter^{-2}) ESTIMATES AT THE EXCLUSION AREA BOUNDARY

Affected Sector		Relative Concentration (sec/meter^3)			Deposition
	Distance (miles	No Decay Undepleted	2.26 Days of Decay Undepleted	8.0 Days of Decay Depleted	D/Q (meter^{-2})
N	0.34	1.43E-05	1.43E-05	1.34E-05	5.26E-08
NNE	0.34	1.16E-05	1.16E-05	1.09E-05	5.50E-08
NE	0.34	1.12E-05	1.12E-05	1.05E-05	8.72E-08
ENE	0.34	5.58E-06	5.58E-06	5.23E-06	5.54E-08
E	0.34	3.01E-06	3.00E-06	2.82E-06	2.65E-08
ESE	0.34	2.48E-06	2.48E-06	2.33E-06	2.16E-08
SE	0.34	3.43E-06	3.43E-06	3.22E-06	3.08E-08
SSE	0.34	4.38E-06	4.37E-06	4.11E-06	3.96E-08
S	0.34	6.78E-05	6.78E-06	6.36E-06	4.59E-08
SSW	0.34	1.43E-05	1.43E-05	1.34E-05	6.37E-08
SW	0.34	2.66E-05	2.66E-05	2.49E-05	6.80E-08
WSW	0.34	6.54E-05	6.54E-05	6.14E-05	1.02E-07
W	0.34	4.05E-05	4.05E-05	3.80E-05	6.64E-08
WNW	0.34	2.21E-05	2.21E-05	2.07E-05	4.49E-08
NW	0.34	2.16E-05	2.16E-05	2.02E-05	5.70E-08
NNW	0.34	1.23E-05	1.23E-05	1.16E-05	3.76E-08

The above values were calculated using the XDCALC atmospheric dispersion model with terrain/recirculation factors included.

TABLE 2.3-119 1999 ATMOSPHERIC DISPERSION ESTIMATES FOR NEAREST RESIDENCE AND GARDEN*

NEAREST RESIDENCE WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
1	N	H.Burd	1.3	1.72E-06	1.71E-06	1.47E-06	4.44E-09
2	NNE	E.Ashbridge III	1	2.85E-06	2.83E-06	2.48E-06	1.04E-08
3	NE	W.Tuggle	0.9	3.07E-06	3.05E-06	2.69E-06	1.77E-08
4	ENE	D.Barberi	2.1	4.03E-07	4.01E-07	3.32E-07	3.06E-09
5	E	L.Kozlowski	1.4	3.28E-07	3.27E-07	2.80E-07	2.30E-09
6	ESE	R.Panetta	0.5	1.13E-06	1.13E-06	1.03E-06	9.24E-09
7	SE	J.Futoma	0.5	1.90E-06	1.90E-06	1.74E-06	1.51E-08
8	SSE	J.Naunczek	0.6	1.87E-06	1.87E-06	1.69E-06	1.58E-08
9	S	S.Slusser	1	1.69E-06	1.68E-06	1.47E-06	9.42E-09
10	SSW	S.Molnar	0.9	3.23E-06	3.21E-06	2.83E-06	1.35E-08
11	SW	F.Michael	1.5	3.06E-06	3.03E-06	2.59E-06	6.42E-09
12	WSW	F.Michael	1.3	1.16E-05	1.15E-05	9.90E-06	1.49E-08
13	W	E.Seely/F.Hummel	1.2	5.96E-06	5.90E-06	5.12E-06	7.54E-09
14	WNW	R.Orlando	0.8	7.13E-06	7.08E-06	6.30E-06	1.12E-08
15	NW	L.Hidlay	0.8	6.11E-06	6.06E-06	5.40E-06	1.34E-08
16	NNW	W.Metzler	0.6	5.02E-06	5.00E-06	4.52E-06	1.38E-08

NEAREST GARDEN WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
1	N	J.Wojcik	3.2	4.61E-07	4.52E-07	3.61E-07	9.99E-10
2	NNE	R.Chapin	2.3	8.50E-07	8.40E-07	6.92E-07	2.73E-09
3	NE	Yokum	2.7	6.27E-07	6.21E-07	5.02E-07	3.07E-09
4	ENE	G.Dennis	2.1	4.03E-07	4.01E-07	3.32E-07	3.06E-09
5	E	W.Daily	1.8	2.21E-07	2.20E-07	1.84E-07	1.52E-09
6	ESE	L.Travelpiece	2.5	7.59E-08	7.54E-08	6.14E-08	4.97E-10
7	SE	F.Scholl	0.6	1.46E-06	1.46E-06	1.32E-06	1.11E-08
8	SSE	D.Dawson	1.5	4.28E-07	4.26E-07	3.63E-07	2.99E-09
9	S	M.Cope	1.1	1.45E-06	1.44E-06	1.25E-06	7.92E-09
10	SSW	S.Bodnar	1.2	2.07E-06	2.06E-06	1.78E-06	8.11E-09
11	SW	H.Schultz	1.9	2.15E-06	2.12E-06	1.78E-06	4.38E-09
12	WSW	F.Michael	1.3	1.16E-05	1.15E-05	9.90E-06	1.49E-08
13	W	F.Hummel	1.2	5.96E-06	5.90E-06	5.12E-06	7.54E-09
15	NW	D.Goff	1.8	1.71E-06	1.69E-06	1.43E-06	3.19E-09
16	NNW	P.Culver	4	2.87E-07	2.80E-07	2.18E-07	5.10E-10

*Locations use the 2003 Land Use Census Locations

TABLE 2.3-120 2000 ATMOSPHERIC DISPERSION ESTIMATES FOR NEAREST RESIDENCE AND GARDEN*

NEAREST RESIDENCE WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
1	N	H.Burd	1.3	2.11E-06	2.10E-06	1.81E-06	5.31E-09
2	NNE	E.Ashbridge III	1	3.19E-06	3.18E-06	2.78E-06	1.04E-08
3	NE	W.Tuggle	0.9	2.89E-06	2.88E-06	2.54E-06	1.71E-08
4	ENE	D.Barberi	2.1	3.66E-07	3.64E-07	3.01E-07	2.71E-09
5	E	L.Kozlowski	1.4	3.42E-07	3.40E-07	2.91E-07	2.17E-09
6	ESE	R.Panetta	0.5	1.56E-06	1.56E-06	1.43E-06	1.23E-08
7	SE	J.Futoma	0.5	2.07E-06	2.06E-06	1.89E-06	1.69E-08
8	SSE	J.Naunczek	0.6	2.44E-06	2.44E-06	2.20E-06	1.94E-08
9	S	S.Slusser	1	1.56E-06	1.55E-06	1.35E-06	8.29E-09
10	SSW	S.Molnar	0.9	3.69E-06	3.67E-06	3.24E-06	1.22E-08
11	SW	F.Michael	1.5	3.33E-06	3.30E-06	2.82E-06	6.51E-09
12	WSW	F.Michael	1.3	1.13E-05	1.12E-05	9.65E-06	1.49E-08
13	W	E.Seely/F.Hummel	1.2	5.92E-06	5.87E-06	5.09E-06	7.77E-09
14	WNW	R.Orlando	0.8	5.68E-06	5.64E-06	5.02E-06	1.00E-08
15	NW	L.Hidlay	0.8	6.90E-06	6.85E-06	6.10E-06	1.32E-08
16	NNW	W.Metzler	0.6	5.84E-06	5.82E-06	5.27E-06	1.37E-08

NEAREST GARDEN WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
1	N	J.Wojcik	3.2	5.63E-07	5.53E-07	4.41E-07	1.20E-09
2	NNE	R.Chapin	2.3	9.52E-07	9.41E-07	7.75E-07	2.74E-09
3	NE	Yokum	2.7	5.76E-07	5.70E-07	4.62E-07	2.96E-09
4	ENE	G.Dennis	2.1	3.66E-07	3.64E-07	3.01E-07	2.71E-09
5	E	W.Daily	1.8	2.30E-07	2.29E-07	1.92E-07	1.44E-09
6	ESE	L.Travelpiece	2.5	1.04E-07	1.03E-07	8.43E-08	6.62E-10
7	SE	F.Scholl	0.6	1.58E-06	1.58E-06	1.43E-06	1.25E-08
8	SSE	D.Dawson	1.5	5.59E-07	5.56E-07	4.73E-07	3.65E-09
9	S	M.Cope	1.1	1.34E-06	1.33E-06	1.16E-06	6.97E-09
10	SSW	S.Bodnar	1.2	2.37E-06	2.36E-06	2.04E-06	7.34E-09
11	SW	H.Schultz	1.9	2.33E-06	2.31E-06	1.93E-06	4.44E-09
12	WSW	F.Michael	1.3	1.13E-05	1.12E-05	9.65E-06	1.49E-08
13	W	F.Hummel	1.2	5.92E-06	5.87E-06	5.09E-06	7.77E-09
15	NW	D.Goff	1.8	1.93E-06	1.91E-06	1.61E-06	3.15E-09
16	NNW	P.Culver	4	3.36E-07	3.27E-07	2.55E-07	5.09E-10

*Locations use the 2003 Land Use Census Locations

TABLE 2.3-121 2001 ATMOSPHERIC DISPERSION ESTIMATES FOR NEAREST RESIDENCE AND GARDEN*

NEAREST RESIDENCE WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
1	N	H.Burd	1.3	2.24E-06	2.22E-06	1.92E-06	5.62E-09
2	NNE	E.Ashbridge III	1	3.07E-06	3.06E-06	2.68E-06	1.05E-08
3	NE	W.Tuggle	0.9	3.00E-06	2.99E-06	2.63E-06	1.82E-08
4	ENE	D.Barberi	2.1	3.52E-07	3.50E-07	2.89E-07	2.75E-09
5	E	L.Kozlowski	1.4	2.71E-07	2.70E-07	2.31E-07	1.85E-09
6	ESE	R.Panetta	0.5	1.17E-06	1.16E-06	1.07E-06	8.67E-09
7	SE	J.Futoma	0.5	2.28E-06	2.28E-06	2.09E-06	1.82E-08
8	SSE	J.Naunczek	0.6	2.30E-06	2.29E-06	2.07E-06	1.68E-08
9	S	S.Slusser	1	1.51E-06	1.51E-06	1.32E-06	7.88E-09
10	SSW	S.Molnar	0.9	3.06E-06	3.05E-06	2.69E-06	1.05E-08
11	SW	F.Michael	1.5	2.88E-06	2.86E-06	2.44E-06	5.00E-09
12	WSW	F.Michael	1.3	1.24E-05	1.23E-05	1.06E-05	1.57E-08
13	W	E.Seely/F.Hummel	1.2	6.95E-06	6.88E-06	5.97E-06	8.47E-09
14	WNW	R.Orlando	0.8	7.49E-06	7.43E-06	6.62E-06	1.16E-08
15	NW	L.Hidlay	0.8	7.21E-06	7.16E-06	6.37E-06	1.52E-08
16	NNW	W.Metzler	0.6	6.90E-06	6.87E-06	6.22E-06	1.75E-08

NEAREST GARDEN WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
1	N	J.Wojcik	3.2	5.95E-07	5.84E-07	4.66E-07	1.26E-09
2	NNE	R.Chapin	2.3	9.17E-07	9.06E-07	7.46E-07	2.75E-09
3	NE	Yokum	2.7	6.01E-07	5.94E-07	4.81E-07	3.15E-09
4	ENE	G.Dennis	2.1	3.52E-07	3.50E-07	2.89E-07	2.75E-09
5	E	W.Daily	1.8	1.82E-07	1.81E-07	1.51E-07	1.23E-09
6	ESE	L.Travelpiece	2.5	7.86E-08	7.80E-08	6.36E-08	4.66E-10
7	SE	F.Scholl	0.6	1.74E-06	1.74E-06	1.57E-06	1.34E-08
8	SSE	D.Dawson	1.5	5.27E-07	5.25E-07	4.47E-07	3.17E-09
9	S	M.Cope	1.1	1.30E-06	1.29E-06	1.12E-06	6.63E-09
10	SSW	S.Bodnar	1.2	1.98E-06	1.96E-06	1.70E-06	6.34E-09
11	SW	H.Schultz	1.9	2.03E-06	2.00E-06	1.68E-06	3.41E-09
12	WSW	F.Michael	1.3	1.24E-05	1.23E-05	1.06E-05	1.57E-08
13	W	F.Hummel	1.2	6.95E-06	6.88E-06	5.97E-06	8.47E-09
15	NW	D.Goff	1.8	2.03E-06	2.01E-06	1.69E-06	3.63E-09
16	NNW	P.Culver	4	4.02E-07	3.91E-07	3.05E-07	6.48E-10

*Locations use the 2003 Land Use Census Locations

TABLE 2.3-122 2002 ATMOSPHERIC DISPERSION ESTIMATES FOR NEAREST RESIDENCE AND GARDEN*

NEAREST RESIDENCE WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
1	N	H.Burd	1.3	2.06E-06	2.04E-06	1.76E-06	5.79E-09
2	NNE	E.Ashbridge III	1	3.26E-06	3.25E-06	2.84E-06	1.29E-08
3	NE	W.Tuggle	0.9	2.78E-06	2.77E-06	2.44E-06	1.99E-08
4	ENE	D.Barberi	2.1	4.18E-07	4.15E-07	3.43E-07	3.05E-09
5	E	L.Kozlowski	1.4	3.55E-07	3.53E-07	3.02E-07	2.30E-09
6	ESE	R.Panetta	0.5	1.30E-06	1.30E-06	1.19E-06	1.07E-08
7	SE	J.Futoma	0.5	1.67E-06	1.67E-06	1.53E-06	1.46E-08
8	SSE	J.Naunczek	0.6	1.96E-06	1.95E-06	1.76E-06	1.60E-08
9	S	S.Slusser	1	1.45E-06	1.44E-06	1.26E-06	7.63E-09
10	SSW	S.Molnar	0.9	3.73E-06	3.71E-06	3.27E-06	1.28E-08
11	SW	F.Michael	1.5	3.03E-06	3.00E-06	2.56E-06	5.50E-09
12	WSW	F.Michael	1.3	1.14E-05	1.13E-05	9.74E-06	1.33E-08
13	W	E.Seely/F.Hummel	1.2	5.41E-06	5.36E-06	4.65E-06	6.70E-09
14	WNW	R.Orlando	0.8	7.00E-06	6.95E-06	6.19E-06	1.12E-08
15	NW	L.Hidlay	0.8	5.92E-06	5.88E-06	5.23E-06	1.28E-08
16	NNW	W.Metzler	0.6	6.47E-06	6.45E-06	5.84E-06	1.74E-08

NEAREST GARDEN WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
1	N	J.Wojcik	3.2	5.51E-07	5.42E-07	4.31E-07	1.30E-09
2	NNE	R.Chapin	2.3	9.70E-07	9.61E-07	7.90E-07	3.39E-09
3	NE	Yokum	2.7	5.50E-07	5.45E-07	4.41E-07	3.44E-09
4	ENE	G.Dennis	2.1	4.18E-07	4.15E-07	3.43E-07	3.05E-09
5	E	W.Daily	1.8	2.38E-07	2.37E-07	1.99E-07	1.52E-09
6	ESE	L.Travelpiece	2.5	8.95E-08	8.89E-08	7.24E-08	5.74E-10
7	SE	F.Scholl	0.6	1.28E-06	1.28E-06	1.15E-06	1.07E-08
8	SSE	D.Dawson	1.5	4.46E-07	4.44E-07	3.78E-07	3.02E-09
9	S	M.Cope	1.1	1.25E-06	1.24E-06	1.08E-06	6.42E-09
10	SSW	S.Bodnar	1.2	2.40E-06	2.39E-06	2.07E-06	7.71E-09
11	SW	H.Schultz	1.9	2.13E-06	2.11E-06	1.76E-06	3.76E-09
12	WSW	F.Michael	1.3	1.14E-05	1.13E-05	9.74E-06	1.33E-08
13	W	F.Hummel	1.2	5.41E-06	5.36E-06	4.65E-06	6.70E-09
15	NW	D.Goff	1.8	1.65E-06	1.63E-06	1.38E-06	3.05E-09
16	NNW	P.Culver	4	3.82E-07	3.73E-07	2.90E-07	6.46E-10

*Locations use the 2003 Land Use Census Locations

TABLE 2.3-123 2003 ATMOSPHERIC DISPERSION ESTIMATES FOR NEAREST RESIDENCE AND GARDEN*

NEAREST RESIDENCE WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
1	N	H.Burd	1.3	1.89E-06	1.87E-06	1.61E-06	5.20E-09
2	NNE	E.Ashbridge III	1	2.85E-06	2.83E-06	2.48E-06	1.06E-08
3	NE	W.Tuggle	0.9	2.56E-06	2.55E-06	2.25E-06	1.74E-08
4	ENE	D.Barberi	2.1	4.35E-07	4.32E-07	3.57E-07	3.02E-09
5	E	L.Kozlowski	1.4	3.53E-07	3.51E-07	3.01E-07	2.19E-09
6	ESE	R.Panetta	0.5	1.33E-06	1.33E-06	1.21E-06	1.12E-08
7	SE	J.Futoma	0.5	1.66E-06	1.66E-06	1.52E-06	1.42E-08
8	SSE	J.Naunczek	0.6	1.68E-06	1.67E-06	1.51E-06	1.40E-08
9	S	S.Slusser	1	1.20E-06	1.20E-06	1.05E-06	5.99E-09
10	SSW	S.Molnar	0.9	3.92E-06	3.90E-06	3.44E-06	1.37E-08
11	SW	F.Michael	1.5	3.91E-06	3.88E-06	3.31E-06	7.30E-09
12	WSW	F.Michael	1.3	1.00E-05	9.93E-06	8.56E-06	1.30E-08
13	W	E.Seely/F.Hummel	1.2	4.96E-06	4.91E-06	4.26E-06	6.68E-09
14	WNW	R.Orlando	0.8	6.33E-06	6.29E-06	5.59E-06	1.24E-08
15	NW	L.Hidlay	0.8	7.72E-06	7.67E-06	6.82E-06	1.86E-08
16	NNW	W.Metzler	0.6	5.96E-06	5.94E-06	5.37E-06	1.78E-08

NEAREST GARDEN WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
1	N	J.Wojcik	3.2	4.97E-07	4.89E-07	3.89E-07	1.17E-09
2	NNE	R.Chapin	2.3	8.48E-07	8.39E-07	6.90E-07	2.79E-09
3	NE	Yokum	2.7	5.08E-07	5.04E-07	4.07E-07	3.01E-09
4	ENE	G.Dennis	2.1	4.35E-07	4.32E-07	3.57E-07	3.02E-09
5	E	W.Daily	1.8	2.38E-07	2.37E-07	1.99E-07	1.45E-09
6	ESE	L.Travelpiece	2.5	8.98E-08	8.92E-08	7.27E-08	6.03E-10
7	SE	F.Scholl	0.6	1.27E-06	1.27E-06	1.15E-06	1.04E-08
8	SSE	D.Dawson	1.5	3.88E-07	3.86E-07	3.29E-07	2.65E-09
9	S	M.Cope	1.1	1.03E-06	1.03E-06	8.95E-07	5.04E-09
10	SSW	S.Bodnar	1.2	2.53E-06	2.52E-06	2.18E-06	8.24E-09
11	SW	H.Schultz	1.9	2.75E-06	2.72E-06	2.28E-06	4.98E-09
12	WSW	F.Michael	1.3	1.00E-05	9.93E-06	8.56E-06	1.30E-08
13	W	F.Hummel	1.2	4.96E-06	4.91E-06	4.26E-06	6.68E-09
15	NW	D.Goff	1.8	2.18E-06	2.16E-06	1.82E-06	4.44E-09
16	NNW	P.Culver	4	3.42E-07	3.34E-07	2.60E-07	6.60E-10

*Locations use the 2003 Land Use Census Locations

TABLE 2.3-124 1999 - 2003 ATMOSPHERIC DISPERSION ESTIMATES FOR NEAREST RESIDENCE AND GARDEN*

NEAREST RESIDENCE WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
1	N	H.Burd	1.3	2.00E-06	1.99E-06	1.71E-06	5.27E-09
2	NNE	E.Ashbridge III	1	3.05E-06	3.03E-06	2.65E-06	1.10E-08
3	NE	W.Tuggle	0.9	2.86E-06	2.85E-06	2.51E-06	1.81E-08
4	ENE	D.Barberi	2.1	3.95E-07	3.92E-07	3.24E-07	2.92E-09
5	E	L.Kozlowski	1.4	3.30E-07	3.28E-07	2.81E-07	2.16E-09
6	ESE	R.Panetta	0.5	1.30E-06	1.30E-06	1.19E-06	1.04E-08
7	SE	J.Futoma	0.5	1.92E-06	1.92E-06	1.75E-06	1.58E-08
8	SSE	J.Naunczek	0.6	2.05E-06	2.05E-06	1.85E-06	1.64E-08
9	S	S.Slusser	1	1.48E-06	1.48E-06	1.29E-06	7.84E-09
10	SSW	S.Molnar	0.9	3.53E-06	3.51E-06	3.09E-06	1.25E-08
11	SW	F.Michael	1.5	3.24E-06	3.21E-06	2.74E-06	6.15E-09
12	WSW	F.Michael	1.3	1.14E-05	1.13E-05	9.70E-06	1.43E-08
13	W	E.Seely/F.Hummel	1.2	5.84E-06	5.79E-06	5.02E-06	7.43E-09
14	WNW	R.Orlando	0.8	6.73E-06	6.68E-06	5.94E-06	1.13E-08
15	NW	L.Hidlay	0.8	6.77E-06	6.72E-06	5.98E-06	1.46E-08
16	NNW	W.Metzler	0.6	6.04E-06	6.01E-06	5.44E-06	1.60E-08

NEAREST GARDEN WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
1	N	J.Wojcik	3.2	5.34E-07	5.24E-07	4.17E-07	1.19E-09
2	NNE	R.Chapin	2.3	9.07E-07	8.98E-07	7.39E-07	2.88E-09
3	NE	Yokum	2.7	5.72E-07	5.67E-07	4.59E-07	3.13E-09
4	ENE	G.Dennis	2.1	3.95E-07	3.92E-07	3.24E-07	2.92E-09
5	E	W.Daily	1.8	2.22E-07	2.21E-07	1.85E-07	1.43E-09
6	ESE	L.Travelpiece	2.5	8.76E-08	8.70E-08	7.09E-08	5.60E-10
7	SE	F.Scholl	0.6	1.47E-06	1.47E-06	1.32E-06	1.16E-08
8	SSE	D.Dawson	1.5	4.70E-07	4.68E-07	3.98E-07	3.10E-09
9	S	M.Cope	1.1	1.27E-06	1.27E-06	1.10E-06	6.60E-09
10	SSW	S.Bodnar	1.2	2.27E-06	2.26E-06	1.95E-06	7.55E-09
11	SW	H.Schultz	1.9	2.28E-06	2.25E-06	1.89E-06	4.20E-09
12	WSW	F.Michael	1.3	1.14E-05	1.13E-05	9.70E-06	1.43E-08
13	W	F.Hummel	1.2	5.84E-06	5.79E-06	5.02E-06	7.43E-09
15	NW	D.Goff	1.8	1.90E-06	1.88E-06	1.58E-06	3.49E-09
16	NNW	P.Culver	4	3.50E-07	3.41E-07	2.65E-07	5.94E-10

*Locations use the 2003 Land Use Census Locations

TABLE 2.3-125 1999 ATMOSPHERIC DISPERSION ESTIMATES FOR NEAREST MEAT ANIMAL, DAIRY LOCATIIONS AND SPECIAL RECEPTORS*

NEAREST ANIMAL RAISED FOR MEAT CONSUMPTION WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
2	NNE	R.Chapin	2.3	8.50E-07	8.40E-07	6.92E-07	2.73E-09
4	ENE	G.Dennis	2.4	3.37E-07	3.35E-07	2.74E-07	2.55E-09
5	E	K. Kozlowski/W.Witts	1.4	3.28E-07	3.27E-07	2.80E-07	2.30E-09
10	SSW	R. & C.Ryman	3	4.70E-07	4.63E-07	3.71E-07	1.58E-09
10	SSW	C.K.Drasher	3.5	3.30E-07	3.25E-07	2.56E-07	1.05E-09
12	WSW	D.Goff	1.7	7.90E-06	7.82E-06	6.61E-06	9.71E-09
15	NW	T. & M.Berger	1.8	1.71E-06	1.69E-06	1.43E-06	3.19E-09

ALL DAIRY LOCATIONS NEAR SSES

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
5	E	W.Bloss	4.5	4.62E-08	4.56E-08	3.46E-08	2.66E-10
6	ESE	D.Moyer	2.7	6.54E-08	6.50E-08	5.24E-08	4.19E-10
6	ESE	F.Rinehimer	4.2	2.64E-08	2.61E-08	2.00E-08	1.49E-10
10	SSW	R. & C.Ryman	3	4.70E-07	4.63E-07	3.71E-07	1.58E-09
10	SSW	R.Ryman	3.1	4.37E-07	4.31E-07	3.43E-07	1.46E-09
10	SSW	C.K.Drasher	3.5	3.30E-07	3.25E-07	2.56E-07	1.05E-09
10	SSW	K.Davis	14.01	2.73E-08	2.56E-08	1.70E-08	5.62E-11
12	WSW	J. & N. Dent	1.7	7.90E-06	7.82E-06	6.61E-06	9.71E-09
13	W	H.Shoemaker	5	5.49E-07	5.28E-07	4.03E-07	4.36E-10
16	NNW	T. & M.Berger	4.2	2.69E-07	2.62E-07	2.03E-07	4.68E-10

SPECIAL RECEPTOR LOCATIONS

SECTOR NUMBER	AFFECTED SECTOR	LOCATION	MILES	X/Q(1)	X/Q DEC(2)	X/Q DEC+DEP(3)	DEPOSITION(4)
3	NE	Riverlands / EIC	0.7	4.40E-06	4.39E-06	3.93E-06	2.70E-08
12	WSW	Tower's Club	0.5	4.06E-05	4.05E-05	3.71E-05	5.97E-08
5	E	East Gate	0.5	1.70E-06	1.70E-06	1.55E-06	1.48E-08

1	X/Q	RELATIVE CONCENTRATION (SEC/M³)
2	X/Q DEC	DECAYED AND UNDEPLETED, HALF-LIFE 2.26 DAYS (SEC/M³)
3	X/Q DEC+DEP	DECAYED AND DEPLETED, HALF-LIFE 8 DAYS (SEC/M³)
4	DEPOSITION	RELATIVE DEPOSITION RATE (1/M²)

*Locations use the 2003 Land Use Census Locations

*Locations use the 2003 Land Use Census Locations

TABLE 2.3-126 2000 ATMOSPHERIC DISPERSION ESTIMATES FOR NEAREST MEAT ANIMAL, DAIRY LOCATIIONS AND SPECIAL RECEPTORS*

NEAREST ANIMAL RAISED FOR MEAT CONSUMPTION *WITHIN A 5-MILE RADIUS OF SSES BY SECTOR*

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
2	NNE	R.Chapin	2.3	9.52E-07	9.41E-07	7.75E-07	2.74E-09
4	ENE	G.Dennis	2.4	3.04E-07	3.02E-07	2.47E-07	2.26E-09
5	E	K. Kozlowski/W.Witts	1.4	3.42E-07	3.40E-07	2.91E-07	2.17E-09
10	SSW	R. & C.Ryman	3	5.36E-07	5.28E-07	4.23E-07	1.43E-09
10	SSW	C.K.Drasher	3.5	3.77E-07	3.70E-07	2.92E-07	9.52E-10
12	WSW	D.Goff	1.7	7.71E-06	7.63E-06	6.45E-06	9.69E-09
15	NW	T. & M.Berger	1.8	1.93E-06	1.91E-06	1.61E-06	3.15E-09

ALL DAIRY LOCATIONS NEAR SSES

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
5	E	W.Bloss	4.5	4.78E-08	4.70E-08	3.58E-08	2.51E-10
6	ESE	D.Moyer	2.7	8.98E-08	8.90E-08	7.20E-08	5.58E-10
6	ESE	F.Rinehimer	4.2	3.60E-08	3.55E-08	2.72E-08	1.99E-10
10	SSW	R. & C.Ryman	3	5.36E-07	5.28E-07	4.23E-07	1.43E-09
10	SSW	R.Ryman	3.1	4.99E-07	4.91E-07	3.92E-07	1.32E-09
10	SSW	C.K.Drasher	3.5	3.77E-07	3.70E-07	2.92E-07	9.52E-10
10	SSW	K.Davis	14.01	3.06E-08	2.83E-08	1.90E-08	5.08E-11
12	WSW	J. & N. Dent	1.7	7.71E-06	7.63E-06	6.45E-06	9.69E-09
13	W	H.Shoemaker	5	5.35E-07	5.15E-07	3.93E-07	4.49E-10
16	NNW	T. & M.Berger	4.2	3.15E-07	3.06E-07	2.37E-07	4.68E-10

SPECIAL RECEPTOR LOCATIONS

SECTOR NUMBER	AFFECTED SECTOR	LOCATION	MILES	X/Q(1)	X/Q DEC(2)	X/Q DEC+DEP(3)	DEPOSITION(4)
3	NE	Riverlands / EIC	0.7	4.17E-06	4.16E-06	3.73E-06	2.61E-08
12	WSW	Tower's Club	0.5	3.88E-05	3.87E-05	3.54E-05	5.96E-08
5	E	East Gate	0.5	1.79E-06	1.79E-06	1.63E-06	1.39E-08

1	X/Q	RELATIVE CONCENTRATION (SEC/M^3)
2	X/Q DEC	DECAYED AND UNDEPLETED, HALF-LIFE 2.26 DAYS (SEC/M^3)
3	X/Q DEC+DEP	DECAYED AND DEPLETED, HALF-LIFE 8 DAYS (SEC/M^3)
4	DEPOSITION	RELATIVE DEPOSITION RATE (1/M^2)

*Locations use the 2003 Land Use Census Locations

TABLE 2.3-127 2001 ATMOSPHERIC DISPERSION ESTIMATES FOR NEAREST MEAT ANIMAL, DAIRY LOCATIIONS AND SPECIAL RECEPTORS*

NEAREST ANIMAL RAISED FOR MEAT CONSUMPTION WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
2	NNE	R.Chapin	2.3	9.17E-07	9.06E-07	7.46E-07	2.75E-09
4	ENE	G.Dennis	2.4	2.93E-07	2.91E-07	2.38E-07	2.30E-09
5	E	K. Kozlowski/W.Witts	1.4	2.71E-07	2.70E-07	2.31E-07	1.85E-09
10	SSW	R. & C.Ryman	3	4.46E-07	4.39E-07	3.52E-07	1.24E-09
10	SSW	C.K.Drasher	3.5	3.13E-07	3.08E-07	2.42E-07	8.22E-10
12	WSW	D.Goff	1.7	8.49E-06	8.40E-06	7.10E-06	1.02E-08
15	NW	T. & M.Berger	1.8	2.03E-06	2.01E-06	1.69E-06	3.63E-09

ALL DAIRY LOCATIONS NEAR SSES

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
5	E	W.Bloss	4.5	3.70E-08	3.64E-08	2.77E-08	2.14E-10
6	ESE	D.Moyer	2.7	6.77E-08	6.71E-08	5.42E-08	3.93E-10
6	ESE	F.Rinehimer	4.2	2.71E-08	2.67E-08	2.05E-08	1.40E-10
10	SSW	R. & C.Ryman	3	4.46E-07	4.39E-07	3.52E-07	1.24E-09
10	SSW	R.Ryman	3.1	4.15E-07	4.08E-07	3.26E-07	1.14E-09
10	SSW	C.K.Drasher	3.5	3.13E-07	3.08E-07	2.42E-07	8.22E-10
10	SSW	K.Davis	14.01	2.52E-08	2.34E-08	1.56E-08	4.39E-11
12	WSW	J. & N. Dent	1.7	8.49E-06	8.40E-06	7.10E-06	1.02E-08
13	W	H.Shoemaker	5	6.35E-07	6.11E-07	4.66E-07	4.89E-10
16	NNW	T. & M.Berger	4.2	3.76E-07	3.66E-07	2.84E-07	5.95E-10

SPECIAL RECEPTOR LOCATIONS

SECTOR NUMBER	AFFECTED SECTOR	LOCATION	MILES	X/Q(1)	X/Q DEC(2)	X/Q DEC+DEP(3)	DEPOSITION(4)
3	NE	Riverlands / EIC	0.7	4.34E-06	4.33E-06	3.87E-06	2.77E-08
12	WSW	Tower's Club	0.5	4.29E-05	4.28E-05	3.92E-05	6.28E-08
5	E	East Gate	0.5	1.42E-06	1.42E-06	1.30E-06	1.19E-08

1	X/Q	RELATIVE CONCENTRATION (SEC/M^3)
2	X/Q DEC	DECAYED AND UNDEPLETED, HALF-LIFE 2.26 DAYS (SEC/M^3)
3	X/Q DEC+DEP	DECAYED AND DEPLETED, HALF-LIFE 8 DAYS (SEC/M^3)
4	DEPOSITION	RELATIVE DEPOSITION RATE (1/M^2)

*Locations use the 2003 Land Use Census Locations

*Locations use the 2003 Land Use Census Locations

TABLE 2.3-128 2002 ATMOSPHERIC DISPERSION ESTIMATES FOR NEAREST MEAT ANIMAL, DAIRY LOCATIONS AND SPECIAL RECEPTORS*

NEAREST ANIMAL RAISED FOR MEAT CONSUMPTION WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
2	NNE	R.Chapin	2.3	9.70E-07	9.61E-07	7.90E-07	3.39E-09
4	ENE	G.Dennis	2.4	3.48E-07	3.45E-07	2.82E-07	2.54E-09
5	E	K. Kozlowski/W.Witts	1.4	3.55E-07	3.53E-07	3.02E-07	2.30E-09
10	SSW	R. & C.Ryman	3	5.49E-07	5.40E-07	4.33E-07	1.50E-09
10	SSW	C.K.Drasher	3.5	3.87E-07	3.80E-07	2.99E-07	1.00E-09
12	WSW	D.Goff	1.7	7.78E-06	7.70E-06	6.51E-06	8.69E-08
15	NW	T. & M.Berger	1.8	1.65E-06	1.63E-06	1.38E-06	3.05E-09

ALL DAIRY LOCATIONS NEAR SSES

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
5	E	W.Bloss	4.5	4.86E-08	4.79E-08	3.64E-08	2.66E-10
6	ESE	D.Moyer	2.7	7.72E-08	7.66E-08	6.19E-08	4.85E-10
6	ESE	F.Rinehimer	4.2	3.11E-08	3.07E-08	2.36E-08	1.72E-10
10	SSW	R. & C.Ryman	3	5.49E-07	5.40E-07	4.33E-07	1.50E-09
10	SSW	R.Ryman	3.1	5.11E-07	5.03E-07	4.01E-07	1.38E-09
10	SSW	C.K.Drasher	3.5	3.87E-07	3.80E-07	2.99E-07	1.00E-09
10	SSW	K.Davis	14.01	3.19E-08	2.96E-08	1.98E-08	5.34E-11
12	WSW	J. & N. Dent	1.7	7.78E-06	7.70E-06	6.51E-06	8.69E-09
13	W	H.Shoemaker	5	4.98E-07	4.78E-07	3.65E-07	3.87E-10
16	NNW	T. & M.Berger	4.2	3.58E-07	3.49E-07	2.70E-07	5.93E-10

SPECIAL RECEPTOR LOCATIONS

SECTOR NUMBER	AFFECTED SECTOR	LOCATION	*MILES*	X/Q(1)	X/Q DEC(2)	X/Q DEC+DEP(3)	DEPOSITION(4)
3	NE	Riverlands / EIC	0.7	4.03E-06	4.02E-06	3.60E-06	3.03E-08
12	WSW	Tower's Club	0.5	3.97E-05	3.96E-05	3.63E-05	5.34E-08
5	E	East Gate	0.5	1.82E-06	1.82E-06	1.67E-06	1.48E-08

1	X/Q	RELATIVE CONCENTRATION (SEC/M³)
2	X/Q DEC	DECAYED AND UNDEPLETED, HALF-LIFE 2.26 DAYS (SEC/M³)
3	X/Q DEC+DEP	DECAYED AND DEPLETED, HALF-LIFE 8 DAYS (SEC/M³)
4	DEPOSITION	RELATIVE DEPOSITION RATE (1/M²)

*Locations use the 2003 Land Use Census Locations

*Locations use the 2003 Land Use Census Locations

TABLE 2.3-129 2003 ATMOSPHERIC DISPERSION ESTIMATES FOR NEAREST MEAT ANIMAL, DAIRY LOCATIIONS AND SPECIAL RECEPTORS*

NEAREST ANIMAL RAISED FOR MEAT CONSUMPTION WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
2	NNE	R.Chapin	2.3	8.48E-07	8.39E-07	6.90E-07	2.79E-09
4	ENE	G.Dennis	2.4	3.62E-07	3.60E-07	2.94E-07	2.52E-09
5	E	K. Kozlowski/W.Witts	1.4	3.53E-07	3.51E-07	3.01E-07	2.19E-09
10	SSW	R. & C.Ryman	3	5.71E-07	5.63E-07	4.51E-07	1.61E-09
10	SSW	C.K.Drasher	3.5	4.00E-07	3.94E-07	3.10E-07	1.07E-09
12	WSW	D.Goff	1.7	6.85E-06	6.77E-06	5.73E-06	8.50E-09
15	NW	T. & M.Berger	1.8	2.18E-06	2.16E-06	1.82E-06	4.44E-09

ALL DAIRY LOCATIONS NEAR SSES

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
5	E	W.Bloss	4.5	4.99E-08	4.90E-08	3.73E-08	2.53E-10
6	ESE	D.Moyer	2.7	7.74E-08	7.67E-08	6.20E-08	5.09E-10
6	ESE	F.Rinehimer	4.2	3.10E-08	3.06E-08	2.35E-08	1.81E-10
10	SSW	R. & C.Ryman	3	5.71E-07	5.63E-07	4.51E-07	1.61E-09
10	SSW	R.Ryman	3.1	5.30E-07	5.23E-07	4.17E-07	1.48E-09
10	SSW	C.K.Drasher	3.5	4.00E-07	3.94E-07	3.10E-07	1.07E-09
10	SSW	K.Davis	14.01	3.21E-08	3.00E-08	1.99E-08	5.70E-11
12	WSW	J. & N. Dent	1.7	6.85E-06	6.77E-06	5.73E-06	8.50E-09
13	W	H.Shoemaker	5	4.42E-07	4.25E-07	3.25E-07	3.86E-10
16	NNW	T. & M.Berger	4.2	3.20E-07	3.13E-07	2.42E-07	6.07E-10

SPECIAL RECEPTOR LOCATIONS

SECTOR NUMBER	AFFECTED SECTOR	LOCATION	MILES	X/Q(1)	X/Q DEC(2)	X/Q DEC+DEP(3)	DEPOSITION(4)
3	NE	Riverlands / EIC	0.7	3.70E-06	3.69E-06	3.30E-06	2.65E-08
12	WSW	Tower's Club	0.5	3.41E-05	3.40E-05	3.11E-05	5.22E-08
5	E	East Gate	0.5	1.82E-06	1.81E-06	1.66E-06	1.41E-08

1	X/Q	RELATIVE CONCENTRATION (SEC/M^3)
2	X/Q DEC	DECAYED AND UNDEPLETED, HALF-LIFE 2.26 DAYS (SEC/M^3)
3	X/Q DEC+DEP	DECAYED AND DEPLETED, HALF-LIFE 8 DAYS (SEC/M^3)
4	DEPOSITION	RELATIVE DEPOSITION RATE (1/M^2)

*Locations use the 2003 Land Use Census Locations

*Locations use the 2003 Land Use Census Locations

TABLE 2.3-130 1999 - 2003 ATMOSPHERIC DISPERSION ESTIMATES FOR NEAREST MEAT ANIMAL, DAIRY LOCATIIONS AND SPECIAL RECEPTORS*

NEAREST ANIMAL RAISED FOR MEAT CONSUMPTION WITHIN A 5-MILE RADIUS OF SSES BY SECTOR

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
2	NNE	R.Chapin	2.3	9.07E-07	8.98E-07	7.39E-07	2.88E-09
4	ENE	G.Dennis	2.4	3.29E-07	3.26E-07	2.67E-07	2.43E-09
5	E	K. Kozlowski/W.Witts	1.4	3.30E-07	3.28E-07	2.81E-07	2.16E-09
10	SSW	R. & C.Ryman	3	5.14E-07	5.07E-07	4.06E-07	1.47E-09
10	SSW	C.K.Drasher	3.5	3.61E-07	3.55E-07	2.80E-07	9.79E-10
12	WSW	D.Goff	1.7	7.75E-06	7.66E-06	6.48E-06	9.36E-09
15	NW	T. & M.Berger	1.8	1.90E-06	1.88E-06	1.58E-06	3.49E-09

ALL DAIRY LOCATIONS NEAR SSES

SECTOR NUMBER	AFFECTED SECTOR	NAME	MILES	X/Q	X/Q DEC	X/Q DEC+DEP	DEPOSITION
5	E	W.Bloss	4.5	4.59E-08	4.52E-08	3.44E-08	2.50E-10
6	ESE	D.Moyer	2.7	7.55E-08	7.49E-08	6.05E-08	4.73E-10
6	ESE	F.Rinehimer	4.2	3.03E-08	2.99E-08	2.29E-08	1.68E-10
10	SSW	R. & C.Ryman	3	5.14E-07	5.07E-07	4.06E-07	1.47E-09
10	SSW	R.Ryman	3.1	4.78E-07	4.71E-07	3.76E-07	1.35E-09
10	SSW	C.K.Drasher	3.5	3.61E-07	3.55E-07	2.80E-07	9.79E-10
10	SSW	K.Davis	14.01	2.94E-08	2.74E-08	1.83E-08	5.23E-11
12	WSW	J. & N. Dent	1.7	7.75E-06	7.66E-06	6.48E-06	9.36E-09
13	W	H.Shoemaker	5	5.32E-07	5.12E-07	3.90E-07	4.29E-10
16	NNW	T. & M.Berger	4.2	3.28E-07	3.19E-07	2.47E-07	5.46E-10

SPECIAL RECEPTOR LOCATIONS

SECTOR NUMBER	AFFECTED SECTOR	LOCATION	MILES	X/Q(1)	X/Q DEC(2)	X/Q DEC+DEP(3)	DEPOSITION(4)
3	NE	Riverlands / EIC	0.7	4.13E-06	4.12E-06	3.69E-06	2.75E-08
12	WSW	Tower's Club	0.5	3.92E-05	3.91E-05	3.58E-05	5.75E-08
5	E	East Gate	0.5	1.71E-06	1.71E-06	1.56E-06	1.39E-08

1	X/Q	RELATIVE CONCENTRATION (SEC/M^3)
2	X/Q DEC	DECAYED AND UNDEPLETED, HALF-LIFE 2.26 DAYS (SEC/M^3)
3	X/Q DEC+DEP	DECAYED AND DEPLETED, HALF-LIFE 8 DAYS (SEC/M^3)
4	DEPOSITION	RELATIVE DEPOSITION RATE (1/M^2)

*Locations use the 2003 Land Use Census Locations

*Locations use the 2003 Land Use Census Locations

TABLE 2.3-131. 1999 ATMOSPHERIC DISPERSION ESTIMATES AT SELECTED LOCATIONS

AFFECTED SECTOR	LOCATION	MILES	X/Q(1)	X/Q DEC(2)	X/Q DEC+DEP(3)	DEPOSITION(4)
12/WSW	Maximum (X/Q) Site Boundary	1.22	1.28E-05	1.27E-05	1.10E-05	1.66E-08
9/S	Closest (X/Q) Site Boundary	0.38	6.71E-06	6.70E-06	6.25E-06	4.66E-08
12/WSW	Maximum (X/Q) Residence	1.3	1.16E-05	1.15E-05	9.90E-06	1.49E-08
3/NE	Maximum (D/Q) Residence	0.9	3.07E-06	3.05E-06	2.69E-06	1.77E-08
12/WSW	Maximum (D/Q) Garden	1.3	1.15E-05	9.90E-06	1.49E-08	1.16E-05
12/SW	Maximum (D/Q) Dairy	1.7	7.90E-06	7.82E-06	6.61E-06	9.71E-09
12/WSW	Maximum (D/Q) Meat Producer	1.7	7.90E-06	7.82E-06	6.61E-06	9.71E-09
3/NE	Riverlands / EIC	0.7	4.40E-06	4.39E-06	3.93E-06	2.70E-08
12/WSW	Tower's Club	0.5	4.06E-05	4.05E-05	3.71E-05	5.97E-08
5/E	East Gate	0.5	1.70E-06	1.70E-06	1.55E-06	1.48E-08

TABLE 2.3-132. 2000 ATMOSPHERIC DISPERSION ESTIMATES AT SELECTED LOCATIONS

AFFECTED SECTOR	LOCATION	MILES	X/Q(1)	X/Q DEC(2)	X/Q DEC+DEP(3)	DEPOSITION(4)
12/WSW	Maximum (X/Q) Site Boundary	1.22	1.24E-05	1.23E-05	1.07E-05	1.65E-08
9/S	Closest (X/Q) Site Boundary	0.38	6.21E-06	6.20E-06	5.78E-06	4.11E-08
12/WSW	Maximum (X/Q) Residence	1.3	1.13E-05	1.12E-05	9.65E-06	1.49E-08
8/SSE	Maximum (D/Q) Residence	0.6	2.44E-06	2.44E-06	2.20E-06	1.94E-08
12/WSW	Maximum (D/Q) Garden	1.3	1.13E-05	1.12E-05	9.65E-06	1.49E-08
12/SW	Maximum (D/Q) Dairy	1.7	7.71E-06	7.63E-06	6.45E-06	9.69E-09
12/WSW	Maximum (D/Q) Meat Producer	1.7	7.71E-06	7.63E-06	6.45E-06	9.69E-09
3/NE	Riverlands / EIC	0.7	4.17E-06	4.16E-06	3.73E-06	2.61E-08
12/WSW	Tower's Club	0.5	3.88E-05	3.87E-05	3.54E-05	5.96E-08
5/E	East Gate	0.5	1.79E-06	1.79E-06	1.63E-06	1.39E-08

TABLE 2.3-133. 2001 ATMOSPHERIC DISPERSION ESTIMATES AT SELECTED LOCATIONS

AFFECTED SECTOR	LOCATION	MILES	X/Q(1)	X/Q DEC(2)	X/Q DEC+DEP(3)	DEPOSITION(4)
12/WSW	Maximum (X/Q) Site Boundary	1.22	1.37E-05	1.36E-05	1.18E-05	1.74E-08
9/S	Closest (X/Q) Site Boundary	0.38	6.07E-06	6.06E-06	5.65E-06	3.90E-08
12/WSW	Maximum (X/Q) Residence	1.3	1.24E-05	1.23E-05	1.06E-05	1.57E-08
3/NE	Maximum (D/Q) Residence	0.9	3.00E-06	2.99E-06	2.63E-06	1.82E-08
12/WSW	Maximum (D/Q) Garden	1.3	1.24E-05	1.23E-05	1.06E-05	1.57E-08
12/SW	Maximum (D/Q) Dairy	1.7	8.49E-06	8.40E-06	7.10E-06	1.02E-08
12/WSW	Maximum (D/Q) Meat Producer	1.7	8.49E-06	8.40E-06	7.10E-06	1.02E-08
3/NE	Riverlands / EIC	0.7	4.34E-06	4.33E-06	3.87E-06	2.77E-08
12/WSW	Tower's Club	0.5	4.29E-05	4.28E-05	3.92E-05	6.28E-08
5/E	East Gate	0.5	1.42E-06	1.42E-06	1.30E-06	1.19E-08

TABLE 2.3-134. 2002 ATMOSPHERIC DISPERSION ESTIMATES AT SELECTED LOCATIONS

AFFECTED SECTOR	LOCATION	MILES	X/Q(1)	X/Q DEC(2)	X/Q DEC+DEP(3)	DEPOSITION(4)
12/WSW	Maximum (X/Q) Site Boundary	1.22	1.26E-05	1.25E-05	1.08E-05	1.48E-08
9/S	Closest (X/Q) Site Boundary	0.38	5.71E-06	5.70E-06	5.31E-06	3.78E-08
12/WSW	Maximum (X/Q) Residence	1.3	1.14E-05	1.13E-05	9.74E-06	1.33E-08
3/NE	Maximum (D/Q) Residence	0.9	2.78E-06	2.77E-06	2.44E-06	1.99E-08
12/WSW	Maximum (D/Q) Garden	1.3	1.14E-05	1.13E-05	9.74E-06	1.33E-08
12/SW	Maximum (D/Q) Dairy	1.7	7.78E-06	7.70E-06	6.51E-06	8.69E-09
12/WSW	Maximum (D/Q) Meat Producer	1.7	7.78E-06	7.70E-06	6.51E-06	8.69E-09
3/NE	Riverlands / EIC	0.7	4.03E-06	4.02E-06	3.60E-06	3.03E-08
12/WSW	Tower's Club	0.5	3.97E-05	3.96E-05	3.63E-05	5.34E-08
5/E	East Gate	0.5	1.82E-06	1.82E-06	1.67E-06	1.48E-08

TABLE 2.3-135. 2003 ATMOSPHERIC DISPERSION ESTIMATES AT SELECTED LOCATIONS

AFFECTED SECTOR	LOCATION	MILES	X/Q(1)	X/Q DEC(2)	X/Q DEC+DEP(3)	DEPOSITION(4)
11WS	Maximum (X/Q) Site Boundary	0.61	1.45E-05	1.45E-05	1.31E-05	3.25E-08
9/S	Closest (X/Q) Site Boundary	0.38	4.69E-06	4.69E-06	4.37E-06	2.97E-08
12/WSW	Maximum (X/Q) Residence	1.3	1.00E-05	9.93E-06	8.56E-06	1.30E-08
15/NW	Maximum (D/Q) Residence	0.8	7.72E-06	7.67E-06	6.82E-06	1.86E-08
12/WSW	Maximum (D/Q) Garden	1.3	1.00E-05	9.93E-06	8.56E-06	1.30E-08
12/SW	Maximum (D/Q) Dairy	1.7	6.85E-06	6.77E-06	5.73E-06	8.50E-09
12/WSW	Maximum (D/Q) Meat Producer	1.7	6.85E-06	6.77E-06	5.73E-06	8.50E-09
3/NE	Riverlands / EIC	0.7	3.70E-06	3.69E-06	3.30E-06	2.65E-08
12/WSW	Tower's Club	0.5	3.41E-05	3.40E-05	3.11E-05	5.22E-08
5/E	East Gate	0.5	1.82E-06	1.81E-06	1.66E-06	1.41E-08

TABLE 2.3-136. 1999 - 2003 ATMOSPHERIC DISPERSION ESTIMATES AT SELECTED LOCATIONS

AFFECTED SECTOR	LOCATION	MILES	X/Q(1)	X/Q DEC(2)	X/Q DEC+DEP(3)	DEPOSITION(4)
12/WSW	Maximum (X/Q) Site Boundary	1.22	1.25E-05	1.24E-05	1.07E-05	1.60E-08
9/S	Closest (X/Q) Site Boundary	0.38	5.88E-06	5.87E-06	5.47E-06	3.88E-08
12/WSW	Maximum (X/Q) Residence	1.3	1.14E-05	1.13E-05	9.70E-06	1.43E-08
3/NE	Maximum (D/Q) Residence	0.9	2.86E-06	2.85E-06	2.51E-06	1.81E-08
12/WSW	Maximum (D/Q) Garden	1.3	1.14E-05	1.13E-05	9.70E-06	1.43E-08
12/WSW	Maximum (D/Q) Dairy	1.7	7.75E-06	7.66E-06	6.48E-06	9.36E-09
12/WSW	Maximum (D/Q) Meat Producer	1.7	7.75E-06	7.66E-06	6.48E-06	9.36E-09
3/NE	Riverlands / EIC	0.7	4.13E-06	4.12E-06	3.69E-06	2.75E-08
12/WSW	Tower's Club	0.5	3.92E-05	3.91E-05	3.58E-05	5.75E-08
5/E	East Gate	0.5	1.71E-06	1.71E-06	1.56E-06	1.39E-08

Table 2.3-137. 1999-2003 SSES RELATIVE CONCENTRATIONS NO DECAY, UNDEPLETED X/Q (sec/m3)
X/Q ACCUMULATION FOR GROUND AVERAGE SEC/M3
DATES OF LAST X/Q ACCUMULATION ARE FROM 99 1 1 1 0 TO 3123124 0

ecti ron	Direction From	MILES 0.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
N	N	4.13E-06	7.83E-07	3.25E-07	1.71E-07	1.10E-07	4.05E-08	1.11E-08	5.34E-09	3.35E-09	2.37E-09
INE	NNE	8.11E-06	1.63E-06	7.28E-07	3.91E-07	2.53E-07	9.40E-08	2.59E-08	1.27E-08	8.10E-09	5.80E-09
NE	NE	1.71E-05	3.22E-06	1.47E-06	8.32E-07	5.51E-07	2.18E-07	6.61E-08	3.32E-08	2.14E-08	1.55E-08
:NE	ENE	4.96E-05	9.15E-06	4.48E-06	2.66E-06	1.78E-06	7.05E-07	2.06E-07	9.99E-08	6.47E-08	4.76E-08
E	E	2.24E-05	4.08E-06	1.80E-06	1.02E-06	6.83E-07	2.78E-07	8.81E-08	4.46E-08	2.88E-08	2.10E-08
:SE	ESE	1.27E-05	2.45E-06	1.11E-06	6.23E-07	4.13E-07	1.67E-07	4.64E-08	2.04E-08	1.31E-08	9.49E-09
SE	SE	1.26E-05	2.48E-06	1.13E-06	6.41E-07	4.25E-07	1.74E-07	4.35E-08	1.61E-08	1.03E-08	7.42E-09
SE	SSE	9.08E-06	1.77E-06	7.87E-07	4.42E-07	2.98E-07	1.28E-07	3.37E-08	1.21E-08	7.71E-09	5.55E-09
S	S	7.81E-06	1.65E-06	8.08E-07	4.70E-07	3.23E-07	1.50E-07	4.18E-08	1.44E-08	9.23E-09	6.63E-09
SW	SSW	8.36E-06	1.69E-06	7.78E-07	4.42E-07	2.94E-07	1.22E-07	3.21E-08	1.23E-08	7.80E-09	5.59E-09
SW	SW	6.65E-06	1.34E-06	6.36E-07	3.65E-07	2.45E-07	1.08E-07	2.80E-08	9.42E-09	5.96E-09	4.23E-09
/SW	WSW	3.41E-06	6.56E-07	3.05E-07	1.79E-07	1.23E-07	5.80E-08	1.82E-08	6.82E-09	3.49E-09	1.91E-09
W	W	1.58E-06	2.99E-07	1.30E-07	7.11E-08	4.67E-08	1.91E-08	5.18E-09	2.10E-09	1.31E-09	9.15E-10
/NW	WNW	1.20E-06	2.19E-07	8.80E-08	4.60E-08	2.93E-08	1.08E-08	2.93E-09	1.39E-09	8.58E-10	5.96E-10
NW	NW	2.03E-06	3.78E-07	1.50E-07	7.66E-08	4.86E-08	1.75E-08	4.62E-09	2.18E-09	1.34E-09	9.32E-10
NW	NNW	2.58E-06	4.83E-07	2.04E-07	1.08E-07	6.83E-08	2.38E-08	5.94E-09	2.82E-09	1.75E-09	1.22E-09

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Table 2.3-138. 1999-2003 SSES RELATIVE CONCENTRATIONS, 2.26-DAY DECAY UNDEPLETED X/Q (sec/m3)
X/Q ACCUMULATION FOR GROUND DECAYED SECTOR AVERAGE SEC/M3
DATES OF LAST X/Q ACCUMULATION ARE FROM 99 1 1 1 0 TO 3123124 0

		MILES									
irec Fro	Direction From	0.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
N	N	4.13E-06	7.79E-07	3.22E-07	1.69E-07	1.08E-07	3.94E-08	1.04E-08	4.84E-09	2.92E-09	1.98E-09
NN	NNE	8.09E-06	1.62E-06	7.19E-07	3.84E-07	2.47E-07	9.06E-08	2.40E-08	1.12E-08	6.80E-09	4.63E-09
N	NE	1.71E-05	3.19E-06	1.45E-06	8.15E-07	5.37E-07	2.08E-07	6.03E-08	2.85E-08	1.73E-08	1.18E-08
EN	ENE	4.95E-05	9.06E-06	4.41E-06	2.60E-06	1.73E-06	6.72E-07	1.87E-07	8.55E-08	5.21E-08	3.60E-08
E	E	2.23E-05	4.03E-06	1.77E-06	9.95E-07	6.60E-07	2.62E-07	7.85E-08	3.69E-08	2.21E-08	1.49E-08
ES	ESE	1.26E-05	2.43E-06	1.09E-06	6.06E-07	3.99E-07	1.57E-07	4.12E-08	1.67E-08	9.93E-09	6.65E-09
SI	SE	1.26E-06	2.45E-06	1.11E-06	6.25E-07	4.12E-07	1.64E-07	3.90E-08	1.34E-08	7.95E-09	5.33E-09
SS	SSE	9.05E-06	1.75E-06	7.75E-07	4.33E-07	2.89E-07	1.22E-07	3.06E-08	1.03E-08	6.16E-09	4.16E-09
S	S	7.79E-06	1.64E-06	7.97E-07	4.61E-07	3.15E-07	1.44E-07	3.84E-08	1.26E-08	7.59E-09	5.16E-09
SS	SSW	8.34E-06	1.68E-06	7.69E-07	4.35E-07	2.88E-07	1.18E-07	2.99E-08	1.09E-08	6.64E-09	4.54E-09
SI	SW	6.64E-06	1.33E-06	6.31E-07	3.61E-07	2.41E-07	1.05E-07	2.65E-08	8.60E-09	5.25E-09	3.59E-09
WS	WSW	3.41E-06	6.53E-07	3.03E-07	1.78E-07	1.21E-07	5.67E-08	1.73E-08	6.30E-09	3.13E-09	1.66E-09
W	W	1.58E-06	2.98E-07	1.29E-07	7.03E-08	4.60E-08	1.86E-08	4.91E-09	1.92E-09	1.16E-09	7.79E-10
WN	WNW	1.20E-06	2.18E-07	8.73E-08	4.55E-08	2.89E-08	1.06E-08	2.80E-09	1.28E-09	7.67E-10	5.16E-10
NI	NW	2.03E-06	3.76E-07	1.49E-07	7.58E-08	4.80E-08	1.72E-08	4.42E-09	2.03E-09	1.22E-09	8.19E-10
NN	NNW	2.57E-06	4.81E-07	2.02E-07	1.07E-07	6.74E-08	2.33E-08	5.67E-09	2.61E-09	1.57E-09	1.06E-09

Table 2.3-139. 1999-2003 SSES RELATIVE CONCENTRATIONS 8-DAY DECAY, DEPLETED X/Q (sec/m3)
X/Q ACCUMULATION FOR DECAYED DEPLETION SEC/M3
DATES OF LAST X/Q ACCUMULATION ARE FROM 99 1 1 1 0 TO 3123124 0

rec Fro	Direction From	MILES 0.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
N	N	3.78E-06	6.63E-07	2.63E-07	1.33E-07	8.22E-08	2.82E-08	6.81E-09	2.87E-09	1.61E-09	1.03E-09
NN	NNE	7.41E-06	1.38E-06	5.88E-07	3.02E-07	1.89E-07	6.52E-08	1.59E-08	6.80E-09	3.86E-09	2.50E-09
NE	NE	1.56E-05	2.73E-06	1.19E-06	6.43E-07	4.12E-07	1.51E-07	4.04E-08	1.76E-08	1.01E-08	6.61E-09
EN	ENE	4.53E-05	7.74E-06	3.61E-06	2.05E-06	1.33E-06	4.88E-07	1.25E-07	5.28E-08	3.05E-08	2.02E-08
E	E	2.04E-05	3.45E-06	1.46E-06	7.89E-07	5.09E-07	1.92E-07	5.34E-08	2.34E-08	1.34E-08	8.78E-09
ES	ESE	1.16E-05	2.07E-06	8.96E-07	4.80E-07	3.08E-07	1.15E-07	2.81E-08	1.07E-08	6.07E-09	3.94E-09
SE	SE	1.15E-05	2.10E-06	9.15E-07	4.95E-07	3.17E-07	1.20E-07	2.64E-08	8.44E-09	4.79E-09	3.10E-09
SS	SSE	8.29E-06	1.50E-06	6.35E-07	3.42E-07	2.22E-07	8.87E-08	2.05E-08	6.38E-09	3.62E-09	2.35E-09
S	S	7.13E-06	1.40E-06	6.53E-07	3.64E-07	2.41E-07	1.04E-07	2.56E-08	7.67E-09	4.37E-09	2.84E-09
SS	SSW	7.63E-06	1.43E-06	6.29E-07	3.42E-07	2.20E-07	8.50E-08	1.97E-08	6.55E-09	3.73E-09	2.42E-09
SV	SW	6.07E-06	1.13E-06	5.15E-07	2.83E-07	1.84E-07	7.50E-08	1.72E-08	5.07E-09	2.88E-09	1.86E-09
WS	WSW	3.12E-06	5.56E-07	2.47E-07	1.39E-07	9.20E-08	4.04E-08	1.12E-08	3.68E-09	1.69E-09	8.43E-10
W	W	1.45E-06	2.54E-07	1.05E-07	5.51E-08	3.50E-08	1.33E-08	3.20E-09	1.13E-09	6.33E-10	4.01E-10
WN	WNW	1.10E-06	1.86E-07	7.12E-08	3.57E-08	2.20E-08	7.53E-09	1.81E-09	7.49E-10	4.16E-10	2.63E-10
NV	NW	1.86E-06	3.20E-07	1.22E-07	5.94E-08	3.64E-08	1.22E-08	2.86E-09	1.18E-09	6.54E-10	4.13E-10
NN	NNW	2.35E-06	4.09E-07	1.65E-07	8.40E-08	5.12E-08	1.66E-08	3.67E-09	1.52E-09	8.48E-10	5.37E-10

Table 2.3-140. 1999-2003 SSES RELATIVE DEPOSITION D/Q (M-2)
X/Q ACCUMULATION FOR DEPOSITION 1/M2
DATES OF LAST X/Q ACCUMULATION ARE FROM 99 1 1 1 0 TO 3123124 0

Dir F	Direction From	MILES 0.5-1	1-2	2-3	3-4	4-5	5-10	10-20	20-30	30-40	40-50
	N	2.57E-08	3.78E-09	1.55E-09	7.35E-10	4.34E-10	1.38E-10	3.29E-11	1.21E-11	6.47E-12	4.06E-12
N	NNE	3.31E-08	5.13E-09	2.23E-09	1.06E-09	6.23E-10	1.94E-10	4.53E-11	1.67E-11	8.89E-12	5.59E-12
	NE	4.05E-08	6.11E-09	2.61E-09	1.27E-09	7.51E-10	2.42E-10	5.93E-11	2.18E-11	1.16E-11	7.31E-12
E	ENE	7.28E-08	1.13E-08	5.04E-09	2.46E-09	1.46E-09	4.61E-10	1.05E-10	3.68E-11	1.96E-11	1.23E-11
	E	3.40E-08	4.96E-09	2.02E-09	9.65E-10	5.76E-10	1.90E-10	4.81E-11	1.77E-11	9.45E-12	5.94E-12
E	ESE	2.36E-08	3.57E-09	1.52E-09	7.36E-10	4.40E-10	1.46E-10	3.31E-11	1.07E-11	5.71E-12	3.59E-12
	SE	3.04E-08	4.62E-09	2.02E-09	9.97E-10	5.98E-10	2.02E-10	4.21E-11	1.15E-11	6.14E-12	3.86E-12
S	SSE	2.52E-08	3.76E-09	1.60E-09	7.92E-10	4.83E-10	1.73E-10	3.79E-11	1.01E-11	5.38E-12	3.38E-12
	S	2.61E-08	4.19E-09	1.97E-09	1.01E-09	6.30E-10	2.44E-10	5.69E-11	1.46E-11	7.80E-12	4.90E-12
S	SSW	3.58E-08	5.48E-09	2.46E-09	1.24E-09	7.53E-10	2.63E-10	5.84E-11	1.67E-11	8.89E-12	5.59E-12
S	SW	4.76E-08	7.56E-09	3.56E-09	1.84E-09	1.14E-09	4.28E-10	9.66E-11	2.46E-11	1.31E-11	8.25E-12
W	WSW	3.14E-08	4.84E-09	2.26E-09	1.21E-09	7.69E-10	3.17E-10	8.93E-11	2.58E-11	1.13E-11	5.54E-12
	W	1.29E-08	1.93E-09	8.36E-10	4.17E-10	2.54E-10	9.10E-11	2.22E-11	6.96E-12	3.71E-12	2.33E-12
W	WNW	9.68E-09	1.40E-09	5.63E-10	2.69E-10	1.60E-10	5.17E-11	1.28E-11	4.71E-12	2.51E-12	1.58E-12
I	NW	1.67E-08	2.45E-09	9.82E-10	4.57E-10	2.70E-10	8.57E-11	2.06E-11	7.57E-12	4.04E-12	2.54E-12
N	NNW	2.15E-08	3.19E-09	1.35E-09	6.51E-10	3.81E-10	1.16E-10	2.62E-11	9.63E-12	5.14E-12	3.23E-12

Attachment B (Part 1)

WINDOW Program Setup

JOB # 254268 QA
1375806

paste clean

~~Addendum B~~ 10/26/04

Window Program Setup Sheet

These records are stored in the Windsetup.Dat file. The meaning of each parameter in each record type are provided in Addendum A of the WINDOW documentation.

Initiator: F. WARNER Date: 10/26/04 Request Number: —

Record Type 1

Start Date: 99010101 1-9 (I)
End Date: 03123124 11-18 (I) > IN 5 RUNS
Run Label 21-45
PPL YEAR 1999 2000 2001 2002 2003 DT60-10

Record Type 2

Tape 3 File Name PRODUCTION 11-20 (A). Request number N/A 21-30 (A)

Record Type 3

Mode (1 =Dilution, 2=Dose):	1	1-5 (I)
(Note: for Dose, Attach Dose Parameter Setup Sheet.		
Start Up (1=Pass 1, 2=Pass 3, 3=Stop At Pass 1):	1	6-10 (I)
Number of Windows (Max. 8):	6	11-15 (I)
Excluded Speed:	0	16-20 (I)
Horizontal Diffusion Code:	2	21-25 (I)
1=Range, 2=Pasquill, 3=sigma, 4=if speed<3.3mph then use Pasquill, speed >= 3.3 mph then use Range		
Vertical Diffusion Code:	2	26-30 (I)
1=Range, 2=Pasquill, 3-Sigma, 4=if speed<3.3mph then use Pasquill, if speed >= 3.3 Mph then use Range (Check Meander)		
Calm Selector (See "Calm Selector Definition Table"):	2	31-35 (I)
Window/Door Selector (1=window, 2=door, 3=both):	1	36-40 (I)
I-24 Selector:	8	41-45 (I)
Quant Print Selector (1=Suppress Counts Print):	1	46-50 (I)
Group Print Selector:	2	51-55 (I)
0=Print Knobs 1-24		
1=Suppress Knobs 1-24 For Uncorrected Calm Hours		
2=Suppress Knobs 1-24 For Uncorrected And Corrected Calm Hours		
IDEV Selector (1=Save All Window Values):	0	56-60 (I)
NRTS Selector (0=Not Selected,1=all Temp Groups, 2=Temp Group Dependent):	0	61-65 (I)
Super Quant Selector (1=Selected) (WINDOW Only):	0	66-70 (I)
Number Of Lines Of Print (0=All):	1000	71-75 (I)
Building Wake Factor Limit (0=Factor of 3, 1=No Limit):	0	76-80 (I)

Record Type 4

Record Type 4

Window Lengths (Max. 8): Format 8I5

1 2 8 16 72 624 ___ ___

Record Type 5

Wind Speed Groups, Upper Limit: Format 5F5.0

0.5 3.5 7.5 12.5 999.

Record Type 6

Delta Temp. Groups, Upper Limit: (Grp.1-7) Format 6I5

NWRC Tapes - Insert Cloudy - Clear, Day - Night Codes
Temperature - Multiply Values By 10 And Insert Integers Only
Richardson - Multiply Values By 100 And Insert Integers Only

-10 -7 -8 -3 8 24

Record Type 7

Distance - Ground Release: (Meters) Format 8f10.0
(2 Cards Required - 1 Parameter For Each Wind Direction)

549 → ___ ___ ___ ___ ___ ___
549 → ___ ___ ___ ___ ___ ___ } Same

Record Type 8 LONG TERM LPZ

Distance - ~~Elevated~~ Release: (Meters) Format 8f10.0
(2 Cards Required - 1 Parameter For Each Wind Direction)

4827 → ___ ___ ___ ___ ___ ___
4827 → ___ ___ ___ ___ ___ ___

Record Type 8a

Site ID		~~MPA~~ SQ	1-2 (A)
Speed Selector	01-07	1	6-7 (A)
Direction Selector	01-06	1	11-12 (A)
Delta Temp Selector	01-04	1	16-17 (A)
Temp Selector	01-06	1	21-22 (A)

Record Type 9

Building Wake Effects (Constant C):	0.5	1-5 (F)
Building Wake Effects A (meters):	~~2993~~ 2625	6-10 (F)

Record Type 9

B-3 of 20

Effective Stack Height (meters):	0	11-15 (F)
Speed Group (Calms 1, 2, 4, and 5):	1	16-20 (I)
Horizontal Diffusion Group (Calm 1 and 4):	–	21-25 (I)
Vertical Diffusion Group (Calm 1 and 4):	–	26-30 (I)
Calm Speed (meters/sec-Calm 1, 2, 4, And 5):	0.36	31-35 (F)
Horizontal Sigma Reduction Factor (Calm 1 and 4):	–	36-40 (F)
Vertical Sigma Reduction Factor (Calm 1 and 4):	–	41-45 (F)
Delta Height For Temperature (0=100):	164	46-50 (F)
Minimum Speed For Low Winds > Calm (mph):	.8	51-55 (F)
NRTS Exponent:	0	56-60 (F)
Selector = 1 or 2 - Distance Exponent For Sigma Yl Selector = 2 - Distance Exponent For Sigma Y When Temperature Group > 5.	0	61-65 (F)
Plume Processing Selector:	0	66-70 (I)
1=Briggs Equations (Record Type 10 Required, if Selected) 0=PLA Equation, 3=Modified Briggs Buoyant Equation.		
Eliminate 16 Direction Quant. of X/Q:	0	71-75 (I)
(1= Eliminated, 0=As Is)		
Sigma Z Effective Selector (1=Selected, 0 = Virtual Source):	1	76-80 (I)

Record Type 10

Stack Coefficient:	0	1-10 (F)
Exit Velocity (meters/Sec):	0	11-20 (F)
Stack Diameter (meters) :	0	21-30 (F)
Release Rate (BTU/hr):	0	31-40 (F)
WINDOW And GAMMAW Only		
Upper Limit Of Super Quant Percent:	0	41-50 (F)
Lower Limit Of Super Quant Percent:	0	51-60 (F)
Height Of Containment (meters) (Required If Sigma Z Selected)	60	61-65 (F)
Speed Value at Which Ground Processing Equations Resumes: (Elevated Equations Used For Speed For Speeds Less Than This Value)	0	66-70 (F)
Upper Limit For Sigma Z Tables (Lim) (0=No Limit):	1000	71-75 (F)
Plume Down Wash Selector (1 =Selected, 0=Not Selected):	0	76-80 (I)
XQLIM Only		
XQ Lower Limit:		41-50 (F)
Speed Upper Limit:		51-60 (F)
Fumigation Selector: (1=yes, 0=no)		

Speed Upper Limit:
Fumigation Selector: (1=yes, 0=no)

B-3 8 20

Record Type 11

Pasquill Diffusion Groups (5 Cards Required.) Format 7I5

Wind Speed Delta Temperature Group

Group	(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	1	2	3	4	5	6	7
2	1	2	3	4	5	6	7
3	1	2	3	4	5	6	7
4	1	2	3	4	5	6	7
5	1	2	3	4	5	6	7

Record Type 12

Range Upper Limits: (Group 7-1) Format 7I5

12 22 45 75 105 135 360

Record Type 13

Sigma, Upper Limits: (Group 7-1) Format 6f10.0

0 0 0 0 0 0

Record Type 14

Height of Instrument (feet): 33. 1-5 (F)

New Height (feet) For Speed or Range Correction: 33. 6-10 (F)

Speed Correction Selector: 1 11-15(I)

0=No Correction

1=Speed Correction – $[S_2=S_1(H_L/H_U)\ N_s$ (Temp. Stability Group)]

2=Speed Correction - $[S_2=S_1(H_L/H_U)\ N_s$ (Range Stability Group)]

Range Correction Selector: 0 16-20 (I)

0=No Correction

2=Range Correction – $[R_2=R_1(H_L/H_U)\ N_R$ (Range Stability Group)]

Delta Temperature Correction Factor (0=None): 0 21-25 (F)

AEC Speed Criteria For Meander (mph) (0=not Selected): 0 26-30 (F)

(See Table 1)

Sun Desert Sigma Z Selector (0=Not Selected, 1=Selected): 0 31-35(I)

Branch Technical Position Processing Selector 0=No, 1=Yes: 1 36-40 (I) = 0 for LPZ calc

Record Type 15 Format 14F5.0

Speed Correction Exponents (N_s) (Group 1-7) (For Temperature Group Only)

.125 .125 .25 .133 .5 .5 .5

Range Correction Exponents (N_R) (Group 1-7)

0 0 0 0 0 0 0

Record Type 16 (WINDOW Only)

Wake Split Selector (0=No, 1 = Yes) 0 1-5 (I)

Compute Elevated X/Q At Distance on Record Type 8, For Non-Wake Split Cases (0=No, 1=Yes) 0 6-10 (I)

Wake Split Selector (0=No, 1 = Yes) 0 1-5 (I)

B-0 for

Note: If Zero, peak computed, beginning at distance entered
If One, compute at distance entered
Note:Wake Split Must Be Zero.

Store Wake Split Answers In: 0 11-15 (I)
1=Ground, 2-Elevated

Terrain Processing; (For Wake Split=1 Only)
0=Use Record Type 17, 1=Use Terrain Deck: 0 16-20 (I)

Note:If Selected Terrain Deck Must Be Placed In Setup And Card 17 Omitted.

Maximum Terrain Elevation: 0 21-25

Minimum Terrain Elevation: 0 26-30

Terrain Factor,f 0 31-35

where height used =max{max[$(H_s$-T)*f, (1-f)*H_s], 10}

Record Type 17 8F10.0

Terrain Height At Elevated Distance For Each Direction (for Wake Split Only)
Note:Ground and Elevated Distances On Record Types 7 & 8 Must Be The Same For Wake Split.

0 → ___ ___ ___ ___ ___ ___ ___
0 → ___ ___ ___ ___ ___ ___ ___

Note: For GAMMAW Only - Replace The Following Cards With Record Type 16 from GAMMAW Addendum Setup Instruction Sheet. (GAMMAW DOSE Parameters).

Record Type 18 For WINDOW, XQLIM, WINGAM Only.)

Number Of Doors (Max. 8): 0 1- 5 (I)

Number Or Knobs (Max.24): 0 6-10 (I)

Record Type 19

Door Lengths: Format 8I5

0 → ___ ___ ___ ___ ___ ___ ___ ___

Record Type 20

Knobs Selected: Format 24I3

0 → ___ ___ ___ ___ ___ ___ ___ ___

___ ___ ___ ___ ___ ___ ___ ___

___ ___ ___ ___ ___ ___ ___ ___

B-8820

Record Type 21

4 Records (New Distance Records For Another Case)

ground

0 ___ ___ ___ ___ ___ ___ ___ ___

0 ___ ___ ___ ___ ___ ___ ___ ___

elevated

0 ___ ___ ___ ___ ___ ___ ___ ___

0 ___ ___ ___ ___ ___ ___ ___ ___

For WINGAM Only: Attach A Separate Gamma Dose Setup Sheet For Both Window And Door Options If Selected.

For WINDOW: If Dose Option Selected - Dose Parameter Setup Sheet Is Required.

Table 1

1	2	3	4	5	6
Record Type 14 (26-30) (AESP)	Record Type 3 (76-80) (NBWL)	Building Wake Coefficient (CA)	Test for $CA/(\pi\sigma_y\sigma_z)>2$ Set CA = 0	(X/Q)/3 if CA=0	AEC
0	0	Test (Col. 4)	Yes	Yes	1
0	1	CA	No	NO	1
>0	0	Auto set to 0 for SPD<AESP	Yes(no meaning)	NO	4
>0	1	CA	No	NO	4

B-7920

Attachment B (Part 2)

XDCALC Program Setup

```
S:\SQDATC\XDCALC.exe
                                                    01/07/05 16:55
SITE: SSES                    UNIT: 1 OR 2

ENTER: [RA]      RAW
       [WK]      WORKSPACE
       [EX]      EXIT
wk

ENTER: [HR]      HOURLY
       [QU]      QUARTER HOURLY
       [RETURN] GO BACK TO PREVIOUS OPTION
hr

 SITE     UNIT U1 WORKSPACE          START DATE    END DATE
 ----     ----    ---------          ----------    --------
 SQ       U1      HOURLY MET         9901010100    0312312400
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
XDINTC- Long File,(I*4 record count), Detected, Number Records=     43824
ENTER: [DE] DEFAULT MET DESIRED
       [ND] NO DEFAULT MET DESIRED
       [EX] EXIT
nd

ENTER: [XQ] X/Q
       [DO] DOSE
       [XA] X/Q AND AIR DOSE
       [EX] EXIT
xq

TERRAIN TABLE DESIRED?
ENTER: [YE]      YES
       [NO]      NO
       [RETURN] GO BACK TO PREVIOUS OPTION
no

 NRC TERRAIN CORRECTION FACTORS DESIRED?
ENTER: [YE]      YES
       [NO]      NO
       [RETURN] GO BACK TO PREVIOUS OPTION
ye

ENTER: [FO]      FAR OUT DISTANCES USED
       [CL]      CLOSE IN DISTANCES USED (NO POPL. DOSE ALLOWED)
       [RETURN] GO BACK TO PREVIOUS OPTION
fo

ENVIRONMENTAL RELEASE POINT SELECTORS    1000
EMERGENCY RELEASE POINT SELECTORS        0000

ENTER: [EV]      ENVIRONMENTAL
       [EM]      EMERGENCY
       [RETURN] GO BACK TO PREVIOUS OPTION
ev
```

1/7/05 04:56:44 PM

B-3920

S:\SQDATC\XDCALC.exe

```
ENTER: [PR]      PRINT
       [AC]      ACCUMULATE
       [RETURN] GO BACK TO PREVIOUS OPTION
ac

FOR ACCUMULATION:

ENTER: [YRMODAHRYRMODAHR]      START AND END DATE (HOURS)
       [LD]                    LAST DATE ENTRY, 05010612 - 05010706
       [99]                    LAST 8 HOURS
       [88]                    FUTURE (NEXT 8 HOUR FORCAST)
       [77]                    LAST 4 HOURS PLUS FUTURE 4 HOURS
       [RETURN]                GO BACK TO PREVIOUS OPTION
```

1/7/05 04:57:04 PM

S:\SQDATC\XQINTR.EXE

```
SEND OUTPUT TO:
ENTER: [SC] SCREEN
       [SP] SCREEN AND PRINTER
       [EX] EXIT PROGRAM
sc

ENTER: [NS]     USE NSREDT RECEPTOR TABLE & OUTPUT ASCII FILE
       [EG]     USE MIDEG RECEPTOR TABLE
       [RETURN] EXIT
ns

ENTER: [YE]     USE TERRAIN RECIRCULATION FACTORS (NSREDT)
       [NO]     REPORT UNADJUSTED X/Q VALUES
       [RETURN] GO BACK TO PREVIOUS OPTION
ye

ENTER: [XQ]     X/Q
       [DO]     PLUME DOSE
       [RETURN] GO BACK TO PREVIOUS OPTION
xq

ENTER: [LA]     LAST ACCU ARRAY
       [TO]     TOTAL ACCU ARRAY
       [RETURN] GO BACK TO PREVIOUS OPTION
la
```

1/7/05 04:58:20 PM

B-1180

SITE: SSES UNIT: 1 OR 2 01/07/05 17:03

PARAMETER	REL GND	PT-1 ELEV	REL GND	PT-2 ELEV	REL GND	PT-3 ELEV	REL GND	PT-4 ELEV
1- ROUTINE REL PT SEL(0=NO,1=YES)		1		0		0		0
2- EMER. REL PT SEL (0=NO,1=YES)		0		0		0		0
3- WAKE SPLIT(0=G,1=E,2=SPLIT, 3=HALITSKY WAKE SPLIT--		0		0		0		0
4- SPEED SENSOR (PRI)	1	2	1	2	1	0	1	2
5- SPEED SENSOR (SEC)	3	1	3	1	3	1	3	1
6- SPEED SENSOR (FC)	2	3	2	3	2	3	2	3
7- DIR. SENSOR ST.LINE (PRI)	1	1	1	1	1	1	1	1
DIR. SENSOR MODEL 5 (PRI)	1	1	1	1	1	1	1	1
8- DIR. SENSOR ST.LINE (SEC)	2	2	2	2	2	2	2	2
DIR. SENSOR MODEL 5 (SEC)	2	2	2	2	2	2	2	2
9- DIR. SENSOR ST.LINE (FC)	3	3	3	3	3	3	3	3
DIR. SENSOR MODEL 5 (FC)	3	3	3	3	3	3	3	3
10- DELTA TEMP SENSOR (PRI)	1	1	1	1	1	1	1	1
11- DELTA TEMP SENSOR (SEC)	2	2	2	2	2	2	2	2
12- DELTA TEMP SENSOR (FC)	0	0	0	0	0	0	0	0
13- Y STAB SEL (1=SIGTH,2=DT)	2	2	2	2	2	2	2	2

ENTER: [E] EXIT, [P] PREVIOUS, [N] NEXT, [S] START OVER
[RETURN] CONTINUE

14- Z STAB SEL (1=SIGTH,2=DT)	2	2	2	2	2	2	2	2
15- SIGTH/DT FAILOVER(0=NO,1=YES)	0	0	0	0	0	0	0	0
16- AMBIENT TEMP SENSOR (PRI)	1	1	1	1	1	1	1	1
17- AMBIENT TEMP SENSOR (SEC)	0	0	0	0	0	0	0	0
18- AMBIENT TEMP SENSOR (FC)	0	0	0	0	0	0	0	0
19- DEW POINT SENSOR (PRI)	0	0	0	0	0	0	0	0
20- DEW POINT SENSOR (SEC)	0	0	0	0	0	0	0	0
21- DELTA HT.(FT), FOR DT(PRI)	164	164	164	164	164	164	164	164
22- DELTA HT.(FT), FOR DT(SEC)	164	164	164	164	164	164	164	164
23- DELTA HT.(FT), FOR DT (FC)	0	0	0	0	0	0	0	0
24- HT.(FT), OF SPD SENS (PRI)	33	197	33	197	33	197	33	197
25- HT.(FT), OF SPD SENS (SEC)	33	33	33	33	33	33	33	33
26- HT.(FT), OF SPD SENS (FC)	197	33	197	33	197	33	197	33
27- REFERENCE HEIGHT(FT)	33	202	33	133	33	133	33	133
28- BUILDING HEIGHT(FT)	196	0	205	0	205	0	205	0
29- BUILDING WAKE COEF.(CA)	1342	0	1342	0	1342	0	1342	0
30- BLDG AREA FOR VIRT SOURCE	2685	0	2685	0	2685	0	2685	0
31- STACK OR VENT HT(FT)	0	202	0	0	0	0	0	0
32- TEMP CORR. COEF.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33- STACK EXIT VELOCITY(M/S)	0.0	9.8	0.0	8.6	0.0	2.5	0.0	8.6
34- STACK OR VENT DIA(METERS)	0.0	2.1	0.0	2.3	0.0	0.9	0.0	2.3

ENTER: [E] EXIT, [P] PREVIOUS, [N] NEXT, [S] START OVER
[RETURN] CONTINUE

	RB1		TB1		SGTS		PAVSS	
35- RELEASE PT LOCATION	DX	DY	DX	DY	DX	DY	DX	DY
36- DX,DY(METERS) POSITIVE IS EAST/NORTH FROM SITE CENTER	0	0	0	0	0	0	0	0
37- HEAT FLUX (CAL/SEC)		0.0		0.0		0.0		0.0
38- SAFETY VALVE EXIT VEL(M/S)		0.0		0.0		0.0		0.0
39- SAFETY VALVE EXIT DIA(M)		0.000		0.000		0.000		0.000
40- SAFETY VALVE EXIT TEMP(F)		32.0		32.0		32.0		32.0

1/7/05 05:03:39 PM

B-12 of 20

```
        [PR]       PRINT
        [PA]       PRINT ALL
        [RETURN]   EXIT
pr

1- SPEED AT CALM(M/S)                    0.5
2- Y DIFFUSION 1=SIGMA THETA,2=PASQUILL    2
3- Z DIFFUSION 1=SIGMA THETA,2=PASQUILL    2
4- SPEED EXPONENTS FOR 7 STAB.
   (1)=  0.25 (2)=  0.25 (3)=  0.25 (4)=  0.33 (5)=  0.50
   (6)=  0.50 (7)=  0.50
5- DISTANCES FOR X/Q(10)
( 1)=     804. ( 2)=    2416. ( 3)=    4022. ( 4)=    5632.
( 5)=    7240. ( 6)=   12067. ( 7)=   24135. ( 8)=   40225.
( 9)=   56315. (10)=   72405.
6- DISTANCE,METERS FROM PLANT TO SITE BOUNDARY, 16 SECTORS
( 1)N  =   949. ( 2)NNE=  1255. ( 3)NE =   933. ( 4)ENE=   788.
( 5)E  =   772. ( 6)ESE=   804. ( 7)SE =   692. ( 8)SSE=   660.
( 9)S  =   611. (10)SSW=   628. (11)SW =   981. (12)WSW=  1963.
(13)W  =  1657. (14)WNW=   981. (15)NW =  1062. (16)NNW=   949.
7- PLUME RISE SELECTOR (0=NO PLUME RISE, 1=BRIGGS JET PLUME RISE)  0
     USE NO PLUME RISE FOR HALITSKY WAKE PROCESSING
8- INDEX FOR STORING WAKE SPLIT (1,2,3, OR 4)  4
9- GRAZING START     (MODYHRMN)  4 1 6 0
10- GRAZING END     (MODYHRMN)   103117 0
11- LIMIT(MREM) FOR PLUME DOSES (ORGANS 1-8)

ENTER: [E] EXIT, [P] PREVIOUS, [N] NEXT, [S] START OVER
       [RETURN] CONTINUE
```

12

B-13 of 20

1/7/05 04:49:22 PM

```
        [PR]       PRINT
        [RETURN]   EXIT
pr

NRC'S TERRAIN CORRECTION FACTORS FOR RECIRCULATION

***DISTANCE =   1  MILE(S)    ( 1.61 KM)
    DIRECTION- DOWN WIND***
S   =  2.460E+00  SSW=  2.310E+00  SW =  2.160E+00  WSW=  2.300E+00
W   =  2.230E+00  WNW=  2.570E+00  NW =  3.070E+00  NNW=  2.910E+00
N   =  2.080E+00  NNE=  2.500E+00  NE =  2.250E+00  ENE=  2.570E+00
E   =  2.150E+00  ESE=  2.390E+00  SE =  2.570E+00  SSE=  2.590E+00
***DISTANCE =   2  MILE(S)    ( 3.22 KM)
    DIRECTION- DOWN WIND***
S   =  2.280E+00  SSW=  2.370E+00  SW =  2.100E+00  WSW=  2.370E+00
W   =  2.030E+00  WNW=  2.510E+00  NW =  3.030E+00  NNW=  2.770E+00
N   =  2.280E+00  NNE=  2.500E+00  NE =  2.420E+00  ENE=  2.610E+00
E   =  2.070E+00  ESE=  2.120E+00  SE =  2.350E+00  SSE=  2.440E+00
***DISTANCE =   3  MILE(S)    ( 4.83 KM)
    DIRECTION- DOWN WIND***
S   =  2.010E+00  SSW=  2.110E+00  SW =  1.920E+00  WSW=  2.220E+00
W   =  1.800E+00  WNW=  2.270E+00  NW =  2.850E+00  NNW=  2.570E+00
N   =  2.240E+00  NNE=  2.450E+00  NE =  2.430E+00  ENE=  2.730E+00
E   =  1.960E+00  ESE=  1.890E+00  SE =  2.000E+00  SSE=  2.250E+00
ENTER: [RETURN] CONTINUE, [SO] START OVER, [EX] TO EXIT


NRC'S TERRAIN CORRECTION FACTORS FOR RECIRCULATION

***DISTANCE =  10  MILE(S)    (16.09 KM)
    DIRECTION- DOWN WIND***
S   =  1.000E+00  SSW=  1.000E+00  SW =  1.000E+00  WSW=  1.100E+00
W   =  1.000E+00  WNW=  1.280E+00  NW =  1.690E+00  NNW=  1.770E+00
N   =  1.870E+00  NNE=  1.580E+00  NE =  1.890E+00  ENE=  2.650E+00
E   =  1.350E+00  ESE=  1.000E+00  SE =  1.000E+00  SSE=  1.000E+00
***DISTANCE =  20  MILE(S)    (32.18 KM)
    DIRECTION- DOWN WIND***
S   =  1.000E+00  SSW=  1.000E+00  SW =  1.000E+00  WSW=  1.000E+00
W   =  1.000E+00  WNW=  1.000E+00  NW =  1.000E+00  NNW=  1.000E+00
N   =  1.000E+00  NNE=  1.000E+00  NE =  1.000E+00  ENE=  1.980E+00
E   =  1.000E+00  ESE=  1.000E+00  SE =  1.000E+00  SSE=  1.000E+00
***DISTANCE =  50  MILE(S)    (80.45 KM)
    DIRECTION- DOWN WIND***
S   =  1.000E+00  SSW=  1.000E+00  SW =  1.000E+00  WSW=  1.000E+00
W   =  1.000E+00  WNW=  1.000E+00  NW =  1.000E+00  NNW=  1.000E+00
N   =  1.000E+00  NNE=  1.000E+00  NE =  1.000E+00  ENE=  1.000E+00
E   =  1.000E+00  ESE=  1.000E+00  SE =  1.000E+00  SSE=  1.000E+00
ENTER: [ED]       EDIT
       [PR]       PRINT
       [RETURN]   EXIT
-
```

B-1 of 20

1/7/05 04:50:44 PM

TERRAIN CORRECTION FACTORS FOR RECIRCULATION

DIRECTION DOWN WIND	DISTANCE (MILES) 0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.5
N	2.17	2.15	2.20	2.15	2.25	2.14	2.08	2.19
NNE	2.13	2.35	2.35	2.45	2.35	2.43	2.50	2.42
NE	2.17	2.21	2.27	2.31	2.33	2.33	2.25	2.33
ENE	2.37	2.38	2.37	2.42	2.53	2.50	2.57	2.50
E	2.31	2.32	2.32	2.32	2.33	2.27	2.15	2.08
ESE	2.71	2.58	2.58	2.53	2.67	2.60	2.39	2.24
SE	2.45	2.43	2.44	2.46	2.70	2.59	2.57	2.44
SSE	2.56	2.68	2.71	2.77	2.82	2.83	2.59	2.44
S	2.35	2.44	2.46	2.50	2.50	2.53	2.46	2.33
SSW	2.30	2.27	2.36	2.38	2.43	2.39	2.31	2.41
SW	1.90	1.92	2.04	2.14	2.18	2.17	2.16	2.14
WSW	1.73	1.82	2.05	2.10	2.20	2.38	2.30	2.33
W	2.29	2.32	2.43	2.37	2.29	2.38	2.23	2.10
WNW	2.55	2.56	2.67	2.58	2.74	2.75	2.57	2.60
NW	3.00	3.00	3.06	3.00	3.30	3.18	3.07	3.10
NNW	2.35	2.50	2.53	2.69	2.73	2.83	2.91	2.79

ENTER: [RETURN] CONTINUE

TERRAIN CORRECTION FACTORS FOR RECIRCULATION

DIRECTION DOWN WIND	DISTANCE (MILES) 2.5	3.5	4.5	7.5	15.0	0.0	0.0	0.0
N	2.37	2.11	2.08	2.70	1.04	0.00	0.00	0.00
NNE	2.58	2.32	2.31	2.19	1.00	0.00	0.00	0.00
NE	2.50	2.36	2.41	2.38	1.41	0.00	0.00	0.00
ENE	2.72	2.73	2.87	2.84	2.46	0.00	0.00	0.00
E	2.06	1.86	1.80	1.69	1.00	0.00	0.00	0.00
ESE	2.00	1.78	1.50	1.10	1.00	0.00	0.00	0.00
SE	2.25	1.75	1.41	1.00	1.00	0.00	0.00	0.00
SSE	2.43	2.08	1.63	1.12	1.00	0.00	0.00	0.00
S	2.20	1.82	1.60	1.24	1.00	0.00	0.00	0.00
SSW	2.33	1.88	1.61	1.25	1.00	0.00	0.00	0.00
SW	2.06	1.77	1.55	1.27	1.00	0.00	0.00	0.00
WSW	2.40	2.03	1.89	1.60	1.00	0.00	0.00	0.00
W	1.96	1.64	1.51	1.18	1.00	0.00	0.00	0.00
WNW	2.41	2.13	2.00	1.72	1.00	0.00	0.00	0.00
NW	2.95	2.75	2.56	2.28	1.19	0.00	0.00	0.00
NNW	2.75	2.38	2.41	2.31	1.13	0.00	0.00	0.00

ENTER: [RETURN] CONTINUE

SPECIAL RECEPTOR PARAMETERS

RECEPTOR NO.	DISTANCE & METERS	DIRECTION DEGREES TO	LONGITUDE, DEGREES	LATITUDE DEGREES
1	2092.70	0.00	0.00000	0.00000
2	5151.20	0.00	0.00000	0.00000
3	1609.70	23.00	0.00000	0.00000
4	3702.40	23.00	0.00000	0.00000
5	1448.80	45.00	0.00000	0.00000
6	4346.20	45.00	0.00000	0.00000
7	3380.50	68.00	0.00000	0.00000
8	3860.40	68.00	0.00000	0.00000
9	2253.70	90.00	0.00000	0.00000
10	2897.60	90.00	0.00000	0.00000
11	7243.90	90.00	0.00000	0.00000
12	804.90	113.00	0.00000	0.00000
13	4024.40	113.00	0.00000	0.00000
14	4346.30	113.00	0.00000	0.00000
15	804.90	135.00	0.00000	0.00000

ENTER: [RETURN] CONTINUE, [SO] START OVER, [EX] TO EXIT

SPECIAL RECEPTOR PARAMETERS

RECEPTOR NO.	DISTANCE & METERS	DIRECTION DEGREES TO	LONGITUDE, DEGREES	LATITUDE DEGREES
16	965.90	135.00	0.00000	0.00000
17	4185.40	135.00	0.00000	0.00000
18	965.90	158.00	0.00000	0.00000
19	2413.50	158.00	0.00000	0.00000
20	1609.80	180.00	0.00000	0.00000
21	1770.70	180.00	0.00000	0.00000
22	1448.80	203.00	0.00000	0.00000
23	1931.70	203.00	0.00000	0.00000
24	4829.30	203.00	0.00000	0.00000
25	2414.60	225.00	0.00000	0.00000
26	3058.50	225.00	0.00000	0.00000
27	2092.70	248.00	0.00000	0.00000
28	2092.70	248.00	0.00000	0.00000
29	1931.70	270.00	0.00000	0.00000
30	1931.70	270.00	0.00000	0.00000

ENTER: [RETURN] CONTINUE, [SO] START OVER, [EX] TO EXIT

1/7/05 04:52:41 PM

B-16720

SPECIAL RECEPTOR PARAMETERS

RECEPTOR NO.	DISTANCE & METERS	DIRECTION DEGREES TO	LONGITUDE, DEGREES	LATITUDE DEGREES
31	8048.80	270.00	0.00000	0.00000
32	1287.80	293.00	0.00000	0.00000
33	2092.70	293.00	0.00000	0.00000
34	1287.80	315.00	0.00000	0.00000
35	2897.60	315.00	0.00000	0.00000
36	2897.60	315.00	0.00000	0.00000
37	965.80	338.00	0.00000	0.00000
38	6439.00	338.00	0.00000	0.00000
39	6761.00	338.00	0.00000	0.00000
40	1126.30	45.00	0.00000	0.00000
41	804.90	248.00	0.00000	0.00000
42	949.00	0.00	0.00000	0.00000
43	1255.00	23.00	0.00000	0.00000
44	933.00	45.00	0.00000	0.00000
45	788.00	68.00	0.00000	0.00000

ENTER: [RETURN] CONTINUE, [SO] START OVER, [EX] TO EXIT

SPECIAL RECEPTOR PARAMETERS

RECEPTOR NO.	DISTANCE & METERS	DIRECTION DEGREES TO	LONGITUDE, DEGREES	LATITUDE DEGREES
46	772.00	90.00	0.00000	0.00000
47	804.00	113.00	0.00000	0.00000
48	6600.00	113.00	0.00000	0.00000
49	6761.00	113.00	0.00000	0.00000
50	692.00	135.00	0.00000	0.00000
51	660.00	158.00	0.00000	0.00000
52	611.00	180.00	0.00000	0.00000
53	628.00	203.00	0.00000	0.00000
54	5634.00	203.00	0.00000	0.00000
55	6117.00	203.00	0.00000	0.00000
56	981.00	225.00	0.00000	0.00000
57	1963.00	248.00	0.00000	0.00000
58	1657.00	270.00	0.00000	0.00000
59	981.00	293.00	0.00000	0.00000
60	1062.00	315.00	0.00000	0.00000

ENTER: [RETURN] CONTINUE. [SO] START OVER. [EX] TO EXIT

1/7/05 04:52:56 PM

16

B-1 of 20

SPECIAL RECEPTOR PARAMETERS

RECEPTOR NO.	DISTANCE & METERS	DIRECTION DEGREES TO	LONGITUDE, DEGREES	LATITUDE DEGREES
61	949.00	338.00	0.00000	0.00000
62	1376.00	68.00	0.00000	0.00000
63	1283.00	90.00	0.00000	0.00000
64	549.00	0.00	0.00000	0.00000
65	549.00	23.00	0.00000	0.00000
66	549.00	45.00	0.00000	0.00000
67	549.00	68.00	0.00000	0.00000
68	549.00	90.00	0.00000	0.00000
69	549.00	113.00	0.00000	0.00000
70	549.00	135.00	0.00000	0.00000
71	549.00	158.00	0.00000	0.00000
72	549.00	180.00	0.00000	0.00000
73	549.00	203.00	0.00000	0.00000
74	549.00	225.00	0.00000	0.00000
75	549.00	247.00	0.00000	0.00000

ENTER: [RETURN] CONTINUE, [SO] START OVER, [EX] TO EXIT

SPECIAL RECEPTOR PARAMETERS

RECEPTOR NO.	DISTANCE & METERS	DIRECTION DEGREES TO	LONGITUDE, DEGREES	LATITUDE DEGREES
76	549.00	270.00	0.00000	0.00000
77	549.00	293.00	0.00000	0.00000
78	549.00	315.00	0.00000	0.00000
79	549.00	338.00	0.00000	0.00000
80	4990.00	203.00	0.00000	0.00000
81	183.00	0.00	0.00000	0.00000
82	457.00	0.00	0.00000	0.00000
83	4425.00	0.00	0.00000	0.00000
84	4425.00	23.00	0.00000	0.00000
85	183.00	45.00	0.00000	0.00000
86	4425.00	45.00	0.00000	0.00000
87	183.00	68.00	0.00000	0.00000
88	4425.00	68.00	0.00000	0.00000
89	183.00	90.00	0.00000	0.00000
90	4425.00	90.00	0.00000	0.00000

ENTER: [RETURN] CONTINUE, [SO] START OVER, [EX] TO EXIT

1/7/05 04:53:11 PM

B-1092

SPECIAL RECEPTOR PARAMETERS

RECEPTOR NO.	DISTANCE & DIRECTION METERS	DEGREES TO	LONGITUDE, DEGREES	LATITUDE DEGREES
91	183.00	113.00	0.00000	0.00000
92	4425.00	113.00	0.00000	0.00000
93	183.00	135.00	0.00000	0.00000
94	4425.00	135.00	0.00000	0.00000
95	183.00	158.00	0.00000	0.00000
96	4425.00	158.00	0.00000	0.00000
97	183.00	180.00	0.00000	0.00000
98	4425.00	180.00	0.00000	0.00000
99	183.00	203.00	0.00000	0.00000
100	4425.00	203.00	0.00000	0.00000
101	183.00	225.00	0.00000	0.00000
102	4425.00	225.00	0.00000	0.00000
103	183.00	247.00	0.00000	0.00000
104	4425.00	247.00	0.00000	0.00000
105	183.00	270.00	0.00000	0.00000

ENTER: [RETURN] CONTINUE, [SO] START OVER, [EX] TO EXIT

SPECIAL RECEPTOR PARAMETERS

RECEPTOR NO.	DISTANCE & DIRECTION METERS	DEGREES TO	LONGITUDE, DEGREES	LATITUDE DEGREES
106	4425.00	270.00	0.00000	0.00000
107	183.00	293.00	0.00000	0.00000
108	4425.00	293.00	0.00000	0.00000
109	183.00	315.00	0.00000	0.00000
110	4425.00	315.00	0.00000	0.00000
111	183.00	338.00	0.00000	0.00000
112	4425.00	338.00	0.00000	0.00000
113	22536.00	203.00	0.00000	0.00000
114	2736.50	248.00	0.00000	0.00000
115	804.00	90.00	0.00000	0.00000
116	3703.40	23.00	0.00000	0.00000
117	3863.40	68.00	0.00000	0.00000
118	2253.60	90.00	0.00000	0.00000
119	4829.30	203.00	0.00000	0.00000
120	5634.00	203.00	0.00000	0.00000

ENTER: [RETURN] CONTINUE, [SO] START OVER, [EX] TO EXIT

1/7/05 04:53:23 PM

B-13 of 20

SPECIAL RECEPTOR PARAMETERS

RECEPTOR NO.	DISTANCE & METERS	DIRECTION DEGREES TO	LONGITUDE, DEGREES	LATITUDE DEGREES
121	2897.50	315.00	0.00000	0.00000
122	2897.60	90.00	0.00000	0.00000
123	2735.30	247.00	0.00000	0.00000
124	4827.00	0.00	0.00000	0.00000
125	4827.00	23.00	0.00000	0.00000
126	4827.00	45.00	0.00000	0.00000
127	4827.00	68.00	0.00000	0.00000
128	4827.00	90.00	0.00000	0.00000
129	4827.00	113.00	0.00000	0.00000
130	4827.00	135.00	0.00000	0.00000
131	4827.00	158.00	0.00000	0.00000
132	4827.00	180.00	0.00000	0.00000
133	4827.00	203.00	0.00000	0.00000
134	4827.00	225.00	0.00000	0.00000
135	4827.00	247.00	0.00000	0.00000

ENTER: [RETURN] CONTINUE, [SO] START OVER, [EX] TO EXIT

SPECIAL RECEPTOR PARAMETERS

RECEPTOR NO.	DISTANCE & METERS	DIRECTION DEGREES TO	LONGITUDE, DEGREES	LATITUDE DEGREES
136	4827.00	270.00	0.00000	0.00000
137	4827.00	293.00	0.00000	0.00000
138	4827.00	315.00	0.00000	0.00000
139	4827.00	338.00	0.00000	0.00000

1/7/05 04:53:55 PM

B-20820

Attachment C

Users Manual for the WINDOW Program

C-1 of 25

1/14/2005

User's manual

For the

WINDOW Program

C-R 125

1998

C-5A25

WINDOW Documentation

This document is intended to provide guidance on how to install and utilize the WINDOW program. It follows the format used for MIDAS tasks. The formats for both input (setup) parameters and the weather data input files are described.

WINDOW – Calculate X/Q (Atmospheric Dispersion) Probability for Accident Dose Calculations

---

SUMMARY

FUNCTION:

Computes relative concentration (X/Q) according to methodology in Regulatory Guide 1.145 for accidental releases. Dispersion calculations are made for up to 8 averaging times. While an older methodology for computing dose is provided in the code it is normally used only for X/Q determination.

PURPOSE:

To provide X/Q results following regulatory requirements.

FILE(S) USED:

	DRWK	Tape 3	WINDSETUP.DAT
Input	Yes	No	Yes
Change	No	Yes	No

TASKS USING FILES EDITED BY THIS TASK:

No files are edited by this task.

TASKS USING FILES CONTAINING CALCULATED RESULTS FROM THIS TASK:

none

PREREQUISITES:

The hourly meteorological data must be complete for the time period to be considered, the input file windsetup.dat must be complete, the file name for the output should be unique.

USER INSTRUCTIONS

INSTALLATION:

The program executable and the windsetup.dat input file must exist in the same VAX directory. The meteorological data file drwkxx.dat (where xx is the site id) must exist in the directory where the other MIDAS site files are stored. The format for drwkxx.dat is attached as Addendum D.

SETUP INSTRUCTIONS:

The input file (WINDSETUP.DAT) is setup according to the attached file description. The

SETUP INSTRUCTIONS:

parameters in the input file are described in Addendum A. A sample of an input file is given at the end of Addendum A. The input "setup sheet" is provided in Addendum B.

EXECUTION:

This program is run in batch mode and has no user interface. To run the program type SB and answer the questions. The symbol SB is defined as the command file SUBATCH.COM shown in Addendum C. WINDOW is entered when the procedure prompts for the task name. That will schedule the command file WINDOW.COM shown in Addendum C.

COMPUTATIONAL MODEL

ANALYTICAL METHODS FOR DISPERSION COMPUTATIONS

Computations based on the methodology employed in NRC Regulatory Guide 1.145 are described here. As specified In that document, hourly meteorological data taken for a period of 1 year is used to compute the 5% highest hourly relative concentration (X/Q, with units of s/m^3), the
0.5% highest hourly *x/Q* value in each of 16 sectors (each 22.5~ wide) and the annual sector-average *x/Q* value. These values are used in a log-log interpolation to determine the 0.5% or 5% highest *x/Q* for periods of S hours, 16 hours9 3 days, and 26 days. Source configuration characteristics are given in Table 2-9. Calculation results are given in Appendix C for each simulation.

X/Q FROM GROUND RELEASES

Calculations were separated into two groups offsite (at or beyond the site boundary) and onsite (buildings within a few hundred meters). Each is discussed separately below.

Offsite Receptors

The hourly *x/Q* values for ground (i.e., non-stack) releases are computed in three ways:

$$x/Q = 1/\,[U_{10}(\pi\sigma_y\sigma_z + A/Z)] \qquad (1)$$

$$x/Q = 1/[U_{10}(3\pi\sigma_y\sigma_z)] \qquad (2)$$

$$x/Q = 1/[U_{10}\pi\Sigma_y\sigma_z] \qquad (3)$$

where;

U_{10} is the wind speed at 10 meters above the plant grade, in m/s.

σ_y is the lateral plume spread, in m,

σ_z is the vertical plume spread, in m,

Σ_y is the lateral plume spread with meander and building wake effects, in m,

A is the smallest vertical plane cross-sectional area of the reactor building, in m^2.

The value of Σ_y is given by

$$\Sigma_y = M\sigma_y \qquad \text{for } x <= 800 \text{ m} \quad (4)$$

and

$$\Sigma_y = (M-1)\sigma_{y800m} + \sigma_y \qquad \text{for } x > 800 \text{ m} \quad (5)$$

where M is the meander factor given by Reg. Guide 1.145

The *x/Q* value is calculated using all three methods. The higher of the values from equations 1 and 2 is compared with the value from equation 3, and the lower of these two values is the value used.

Onsite Receptors

For onsite receptors, only equation (1) above was used since receptor distances are very short and meander was not considered appropriate. If the release was at the reactor building or the plume trajectory from the source to the receptor intercepted the reactor building, the Halitsky K factors were used.

X/Q FOR STACK RELEASES (SB AND LPZ)

For elevated (stack) releases, the relative concentration from Regulatory

Guide 1.145 for both onsite and offsite receptors is given by:

$$x/Q = \exp(-h_e^2/2\sigma_z^2)/(\pi U_h \sigma_y \sigma_z) \quad (6)$$

where

h_e is the height of the plume less the maximum terrain height between the release point and the point where dose is calculated, but not less than half the height of release for stable conditions and not less than zero otherwise (see Table 2-6 for offsite terrain height values used at the boundary). Plume rise (Δh) was accounted for as described below.

$$h_e = H_s + \Delta h$$

U_h is the wind speed at the release height.

Uh is determined from U_{30} using

$$U_h = U_{30}(h_e/30)^n \quad (7)$$

$U_h = U_{30}(h_e/30)^n$ (7)

C-6 of 65

where n is 0.25 for stability classes A to C, 0.33 for stability class 0, and 0.5 for stability classes E to G.

The initial plume height used in calculating h_e includes plume rise from the momentum of the plume leaving the stack. For stable conditions, the plume rise is given by:

$$\Delta h = 1.5(F_m/u)^{1/3}s^{-1/6} \quad (8)$$

while for neutral and unstable conditions it is given by:

$$\Delta h = 3w_0D/u \quad (9)$$

where the momentum flux F. is given by:

$$F_m - w_0V_0 / \pi \quad (10)$$

and where the V_0 is the discharge rate in m^3/s, w_0 is the exit velocity in m/s, u is the wind speed at the release height in m/s, D is the stack diameter, and where s is the stability parameter given by:

$$s = g/T\ d\theta/dz \quad (11)$$

In this equation, g is the acceleration due to gravity, T is the absolute temperature of the air, and $d\theta/dz$ is the lapse rate for stable air, assumed to be 0.04 degrees c/m.

Fumigation was taken into account for a period of one-half hour if the time was between 6:00-9:00 am with stable conditions. The fumigation *x/Q* is given by

$$x/Q = 1/(2\pi)^{.5}u\sigma_y h_e \quad (12)$$

Since the fumigation occurs for only half of the hour, the fumigation *x/Q* is averaged with the *x/Q* value from equation (6) to determine the *x/Q* value for the hour.

SECTOR ANNUAL AVERAGE x/Q

In accordance with NRC Regulatory Guide 1.145, the annual average x/Q for each sector is calculated in accordance with regulatory position I.c of NRC Regulatory Guide 1.111 (Reference 4). This gives the annual average *x/Q* as:

$$x/Q = 2.032\ \Sigma \exp(-h_e2/\ 2\sigma_{zi}^2\ (x)+(x\ u_i\ \Sigma_{zi}(x)) \quad (13)$$

where x is the downwind distance and the summation (over i) runs over a year's worth of hourly data. In this equation,

$$\Sigma_{zi}(x)= \min(3\sigma_{zi}^2\ (x),\ \sigma_{zi}^2\ (x)+ D_z^2/2\pi))) \quad (14)$$

where

D_z is the reactor building height.

Addendum A

Explanation of Window Program Setup Parameters in file Windsetup.Dat

The keywords at the left side of the setup sheet (Addendum B) are repeated followed by annotation at to the meaning on the right of the colon.

Record Type 1

- Start Date: start date of meteorological data used 2-digit year, month, day, hour.
- End Date: start date of meteorological data used 2-digit year, month, day, hour.
- Run Label : 25 characters printed on the output used to identify the run.

Record Type 2.

- Tape 3 File Name: output file name.
- Request number: number used to identify run (if applicable)

Record Type 3

- Mode (1 =Dilution, 2=Dose): either X/Q (dilution) or dose can be calculated. (1 is normal)
- Start Up (1=Pass 1, 2=Pass 3, 3=Stop At Pass 1): (1 is normal)
- Number of Windows (Max. 8): number of averaging times.
- Excluded Speed: Speeds below this level are excluded. (0 is normal)
- Horizontal Diffusion Code: horizontal atmospheric stability parameter can be defined in one of 4 ways. (1=Range, 2=Pasquill, 3=sigma, 4=if speed<3.3mph then use Pasquill, speed >= 3.3 mph then use Range). (2 is normal)
- Vertical Diffusion Code: vertical atmospheric stability parameter can be defined in one of 4 ways. (1=Range, 2=Pasquill, 3-Sigma, 4=if speed<3.3mph then use Pasquill, if speed >= 3.3 Mph then use Range (Check Meander)) (2 is normal)
- Calm Selector: The calm selector table is used to assign the meteorological parameters as a function of the Calm selector (column 1). The parameter from record type 9 is used where record type 9 is indicated. The last non calm hour is used when non calm hour is indicated. If calm hour is indicated the current data is used.(2 is normal).

Calm Selector Definition Table

Calm	Speed	Direction	Diffusion	Speed Group	Factor
1	Record type 9	calm hour	Record type 9	Record type 9	Yes
2	Record type 9	calm hour	calm hour	Record type 9	No
3	Non calm hour	Non calm hour	Non calm hour	Non calm hour	No
4	Record type 9	Non calm hour	Record type 9	Record type 9	Yes
5	Record type 9	Non calm hour	calm hour	Record type 9	No

- Window/Door Selector (1=window, 2=door, 3=both): use 1 for all runs
- I-24 Selector: time when switch is made to sector average (8 is normal)
- Quant Print Selector (1=Suppress Counts Print): reduce output (1=normal)
- Group Print Selector (0=Print Knobs 1-24, 1=Suppress Knobs 1-24 For Uncorrected Calm Hours, 2=Suppress Knobs 1-24 For Uncorrected And Corrected Calm Hours): use 2
- IDEV Selector (1=Save All Window Values): use 2 to reduce print
- NRTS Selector (0=Not Selected,1=all Temp Groups, 2=Temp Group Dependent): use 0
- Super Quant Selector (1=Selected) (WINDOW Only): use 0
- Number Of Lines Of Print (0=All): 200 is normal to view hourly X/Q values
- Building Wake Factor Limit (0=Factor of 3, 1=No Limit): set to 3 for RG1.145

Record Type 4

- Window Lengths (Max. 8): length in hours for each averaging time, normally = 1, 2, 8, 16, 72, 624

Record Type 5

- Wind Speed Groups, Upper Limit: Upper limit of wind speed groups in mph (normally = 0.5,3.5,7.5,12.5,999)

Record Type 6

- Delta Temp. Groups, Upper Limit: (Grp.1-7) : use temperature normally = -10, 9, -8, -3, 8, 22)

  NWRC Tapes - Insert Cloudy - Clear, Day - Night Codes
  Temperature - Multiply Values By 10 And Insert Integers Only
  Richardson - Multiply Values By 100 And Insert Integers Only

Record Type 7

- Distance - Ground Release: calculation distance (meters) for each wind direction for ground level releases. Start top left with distance toward south (wind from north)

Record Type 8

- Distance - Elevated Release: calculation distance (meters) for each wind direction for elevated releases. Start top left with distance toward south

Record Type 8a

- Site ID: 2 characters used to identify site (must be same as used for MIDAS).
- Speed Selector: which of the seven speeds available on the file is to be used.
- Direction Selector: which of the six directions available on the file is to be used.
- Delta Temp Selector : which of the four delta temperatures available on the file is to be used.
- Temp Selector: which of the six temperatures available on the file is to be used.

Record Type 9

- Building Wake Effects (Constant C): normal is 0.5
- Building Wake Effects A (meters): enter minimum vertical cross section of containment

- Building Wake Effects A (meters): enter minimum vertical cross section of containment

- Effective Stack Height (meters): enter stack height
- Speed Group (Calms 1, 2, 4, and 5): set =1
- Horizontal Diffusion Group (Calm 1 and 4): N/A (leave blank)
- Vertical Diffusion Group (Calm 1 and 4): N/A (leave blank)
- Calm Speed (meters/sec-Calm 1, 2, 4, And 5): enter speed to be assigned to calms
- Horizontal Sigma Reduction Factor (Calm 1 and 4): N/A (leave blank)
- Vertical Sigma Reduction Factor (Calm 1 and 4): N/A (leave blank)
- Delta Height For Temperature (0=100): enter vertical distance between ΔT measurements
- Minimum Speed For Low Winds > Calm (mph): use same value as for calms above
- NRTS Exponent: (Selector = 1 or 2 - Distance Exponent For Sigma Y, Selector = 2 - distance Exponent For Sigma Y When Temperature Group > 5.): set to 0
- Plume Processing Selector (1=Briggs Equations (Record Type 10 Required, if Selected), 0=PLA Equation, 3=Modified Briggs Buoyant Equation.): set to 0
- Eliminate 16 Direction Quant. of X/Q (1= Eliminated, 0=As Is): use 0 for RG1.145
- Sigma Z Effective Selector (1=Selected, 0 = Virtual Source): use 0 for RG1.145

Record Type 10

- Stack Coefficient: set =1.0. use this only for stack releases
- Exit Velocity (meters/sec): enter exit velocity
- Stack Diameter (meters) : enter stack diameter
- Release Rate (BTU/hr): enter heat rate for buoyant release

WINDOW And GAMMAW Only

- Upper Limit Of Super Quant Percent: N/A (set to 0)
- Lower Limit Of Super Quant Percent: N/A (set to 0)
- Height Of Containment (meters)(Required If Sigma Z Selected): enter height
- Speed Value at Which Ground Processing Equations Resumes (Elevated Equations Used For Speed For Speeds Less Than This Value): set to 0
- Upper Limit For Sigma Z Tables (0=No Limit): this is effectively the lid height (normally=1000)
- Plume Down Wash Selector (1 =Selected, 0=Not Selected): used for stack releases only

XQLIM Only

- XQ Lower Limit:
- Speed Upper Limit:
- Fumigation Selector: (1=yes, 0=no) invokes stack fumigation equations

Record Type 11

- Pasquill Diffusion Groups (5 Cards Required.) Wind Speed - Delta Temperature Group: normally use same stability group for all speeds in delta temperature group

Record Type 12

- Range. Upper Limits: (Group 7-1) normally 12, 22, 45, 75, 105, 135, 360

- Range. Upper Limits: (Group 7-1) normally 12, 22, 45, 75, 105, 135, 360

C-10 725

Record Type 13

- Sigma, Upper Limits: (Group 7-1) N/A no longer in use

Record Type 14

- Height of Instrument (feet): enter height of measurement
- New Height (feet) For Speed or Range Correction: enter height of release point (33 ft. for ground level)
- Speed Correction Selector (0=No Correction, 1=Speed Correction – [$S_2=S_1(H_L/H_U)$ N_s (Temp. Stability Group)], 2=Speed Correction - [$S_2=S_1(H_L/H_U)$ N_s (Range Stability Group)]: normally = 1
- Range Correction Selector:0=No Correction, 2=Range Correction – [$R_2=R_1(H_L/H_U)$ N_R (Range Stability Group)]: normally =2 if stability is used
- Delta Temperature Correction Factor (0=None):multiplier of measured value (normally=0)
- AEC Speed Criteria For Meander (mph) (0=not Selected)(See Table 1): (normally=0)
- Sun Desert Sigma Z Selector (0=Not Selected, 1=Selected): N/A set =0
- Branch Technical Position Processing Selector 0=No, 1=Yes: this invokes the RG1.145 meander factor and should be set =1 for all ground level releases. Set=0 for stack releases.

Record Type 15

- Speed Correction Exponents (N_s) (Group 1-7) (For Temperature Group Only) : used if exponential correction on delta temperature is used. (normally .25, .25, .25, .33, .5, .5, .5)
- Range Correction Exponents (N_R) (Group 1-7): same as above except for range use stability.

Record Type 16 (WINDOW Only) – This record should only be used after direct consultation with PLG.

- Wake Split Selector (0=No, 1 = Yes): N/A
- Compute Elevated X/Q At Distance on Record Type 8, For Non-Wake Split Cases (0=No, 1=Yes) Note: If Zero, peak computed, beginning at distance entered ,If One, compute at distance entered. Note:Wake Split Must Be Zero.: N/A
- Store Wake Split Answers In (1=Ground, 2-Elevated): N/A
- Terrain Processing; (For Wake Split=1 Only), 0=Use Record Type 17, 1=Use Terrain Deck: Note: If Selected Terrain Deck Must Be Placed In Setup And Card 17 Omitted.: N/A
- Maximum Terrain Elevation: N/A
- Minimum Terrain Elevation: N/A
- Terrain Factor,f where the height used is calculated as: N/A
  $\max\{\max[(H_s-T)*f, (1-f)*H_s], 10\}$, where H_s is the height of the stack (meters) and T is the terrain height (meters).

Record Type 17 N/A – do not use without consultation with PLG

- Terrain Height At Elevated Distance For Each Direction (for Wake Split Only) Note:Ground and Elevated Distances On Record Types 7 & 8 Must Be The Same For Wake Split.

For GAMMAW Only - Replace The Following Cards With Record Type 16 from GAMMAW Addendum Setup Instruction Sheet. (GAMMAW DOSE Parameters).

Addendum Setup Instruction Sheet. (GAMMAW DOSE Parameters).

Record Type 18 For WINDOW, XQLIM, WINGAM Only.) N/A (obsolete)

- Number Of Doors (Max. 8):
- Number Or Knobs (Max.24):

Record Type 19 N/A (obsolete)

- Door Lengths:

Record Type 20 N/A (obsolete)

- Knobs Selected:

Record Type 21

- New Distances For Another Case: repeat records 7 and 8

For WINGAM Only: Attach A Separate Gamma Dose Setup Sheet For Both Window And Door Options If Selected. N/A (obsolete)

For WINDOW: If Dose Option Selected - Dose Parameter Setup Sheet Is Required. N/A (obsolete)

Table 1

1	2	3	4	5	6
Record Type 14 (26-30) (AESP)	Record Type 3 (76-80) (NBWL)	Building Wake Coefficient (CA)	Test for $CA/(\pi\sigma_y\sigma_z)>2$ Set CA = 0	(X/Q)/3 if CA=0	AEC
0	0	Test (Col. 4)	Yes	Yes	1
0	1	CA	No	NO	1
>0	0	Auto set to 0 for SPD<AESP	Yes(no meaning)	NO	4
>0	1	CA	No	NO	4

C-12 of 25

Sample input data file, WINDSETUP.DAT

```
940101010094123124 00PPL YEAR 1994
          FILE3NAME PRODUCTION RUN
    1    1    6    0    2    2    2    1    8    1    2    0    0    0 1000    0
    1    2    8   16   72  624
   .5  3.5  7.5 12.5 999.
  -10   -9   -8   -3    8   22
      549.      549.      549.      549.      549.      549.      549.      549.
      549.      549.      549.      549.      549.      549.      549.      549.
     4827.     4827.     4827.     4827.     4827.     4827.     4827.     4827.
     4827.     4827.     4827.     4827.     4827.     4827.     4827.     4827.
MA    1    1    1    1
  0.52973.   0.    1            .36            164.   .8    0    0    0    0    1
        0.        0.        0.        0.        0.        0.  60.   0.1000.    0
    1    2    3    4    5    6    7
    1    2    3    4    5    6    7
    1    2    3    4    5    6    7
    1    2    3    4    5    6    7
    1    2    3    4    5    6    7
   12   22   45   75  105  135  360
    0    0    0    0    0    0    0
   33.  33.    1    0    0    0    0    1    0
  .25  .25  .25  .33   .5   .5   .5
    0    0    0    0    0    0    0
    0    0    0    0    0    0    0
```

Addendum B

Window Program Setup Sheet

These records are stored in the Windsetup.Dat file. The meaning of each parameter in each record type are provided in Addendum A of the WINDOW documentation.

Initiator:_____Date:_____Request Number:_____

Record Type 1

Start Date:_____1-9 (I)
End Date:_____11-18 (I)
Run Label 21-45

Record Type 2

Tape 3 File Name_____11-20 (A). Request number_____21-30 (A)

Record Type 3

Mode (1 =Dilution, 2=Dose): _____ 1-5 (I)
(Note: for Dose, Attach Dose Parameter Setup Sheet.
Start Up (1=Pass 1, 2=Pass 3, 3=Stop At Pass 1): _____ 6-10 (I)
Number of Windows (Max. 8): _____ 11-15 (I)
Excluded Speed: _____ 16-20 (I)
Horizontal Diffusion Code: _____ 21-25 (I)
1=Range, 2=Pasquill, 3=sigma,
4=if speed<3.3mph then use Pasquill, speed >= 3.3 mph then use Range
Vertical Diffusion Code: _____ 26-30 (I)
1=Range, 2=Pasquill, 3-Sigma, 4=if speed<3.3mph then use Pasquill,
if speed >= 3.3 Mph then use Range (Check Meander)
Calm Selector (See "Calm Selector Definition Table"):_____31-35 (I)
Window/Door Selector (1=window, 2=door, 3=both): _____ *36-40 (I)*
I-24 Selector: _____ 41-45 (I)
Quant Print Selector (1=Suppress Counts Print): _____ 46-50 (I)
Group Print Selector: _____ 51-55 (I)
0=Print Knobs 1-24
1=Suppress Knobs 1-24 For Uncorrected Calm Hours
2=Suppress Knobs 1-24 For Uncorrected And Corrected Calm Hours
IDEV Selector (1=Save All Window Values): _____ 56-60 (I)
NRTS Selector (0=Not Selected,1=all Temp Groups,
2=Temp Group Dépendent): _____ 61-65 (I)
Super Quant Selector (1=Selected) (WINDOW Only):_____ 66-70 (I)
Number Of Lines Of Print (0=All): _____ 71-75 (I)
Building Wake Factor Limit (0=Factor of 3, 1=No Limit):_____ 76-80 (I)

Record Type 4

Record Type 4

C-1-1 of 25

Window Lengths (Max. 8): Format 8I5

___ ___ ___ ___ ___ ___ ___ ___

Record Type 5

Wind Speed Groups, Upper Limit: Format 5F5.0

___ ___ ___ ___ ___

Record Type 6

Delta Temp. Groups, Upper Limit: (Grp.1-7) Format 615

NWRC Tapes - Insert Cloudy - Clear, Day - Night Codes
Temperature - Multiply Values By 10 And Insert Integers Only
Richardson - Multiply Values By 100 And Insert Integers Only

___ ___ ___ ___ ___ ___

Record Type 7

Distance - Ground Release: (Meters) Format 8f10.0
(2 Cards Required - 1 Parameter For Each Wind Direction)

___ ___ ___ ___ ___ ___ ___ ___

___ ___ ___ ___ ___ ___ ___ ___

Record Type 8

Distance - Elevated Release: (Meters) Format 8f10.0
(2 Cards Required - 1 Parameter For Each Wind Direction)

___ ___ ___ ___ ___ ___ ___ ___

___ ___ ___ ___ ___ ___ ___ ___

Record Type 8a

Site ID		_____	1-2 (A)
Speed Selector	01-07	_____	6-7 (A)
Direction Selector	01-06	_____	11-12 (A)
Delta Temp Selector	01-04	_____	16-17 (A)
Temp Selector	01-06	_____	21-22 (A)

Record Type 9

Building Wake Effects (Constant C):	_____	1-5 (F)
Building Wake Effects A (meters):	_____	6-10 (F)
Effective Stack Height (meters):	_____	11-15 (F)
Speed Group (Calms 1, 2, 4, and 5):	_____	16-20 (I)
[illegible]	_____	[illegible]
Speed Group (Calms 1, 2, 4, and 5):	_____	16-20 (I)

Horizontal Diffusion Group (Calm 1 and 4): _____ 21-25 (I)
Vertical Diffusion Group (Calm 1 and 4): _____ 26-30 (I)
Calm Speed (meters/sec-Calm 1, 2, 4, And 5): _____ 31-35 (F)
Horizontal Sigma Reduction Factor (Calm 1 and 4): _____ 36-40 (F)
Vertical Sigma Reduction Factor (Calm 1 and 4): _____ 41-45 (F)
Delta Height For Temperature (0=100): _____ 46-50 (F)
Minimum Speed For Low Winds > Calm (mph): _____ 51-55 (F)
NRTS Exponent: _____ 56-60 (F)
Selector = 1 or 2 - Distance Exponent For Sigma Yl
Selector = 2 - Distance Exponent For Sigma Y When
Temperature Group > 5. _____ 61-65 (F)
Plume Processing Selector: _____ 66-70 (I)
1=Briggs Equations (Record Type 10 Required, if Selected)
0=PLA Equation, 3=Modified Briggs Buoyant Equation.
Eliminate 16 Direction Quant. of X/Q: _____ 71-75 (I)
(1= Eliminated, 0=As Is)
Sigma Z Effective Selector (1=Selected, 0 = Virtual Source): _____ 76-80 (I)

Record Type 10

Stack Coefficient: _____ 1-10 (F)
Exit Velocity (meters/Sec): _____ 11-20 (F)
Stack Diameter (meters) : _____ 21-30 (F)
Release Rate (BTU/hr): _____ 31-40 (F)
WINDOW And GAMMAW Only
Upper Limit Of Super Quant Percent: _____ 41-50 (F)
Lower Limit Of Super Quant Percent: _____ 51-60 (F)
Height Of Containment (meters) _____ 61-65 (F)
(Required If Sigma Z Selected)
Speed Value at Which Ground Processing Equations
Resumes: _____ 66-70 (F)
(Elevated Equations Used For Speed For Speeds Less
Than This Value)
Upper Limit For Sigma Z Tables (0=No Limit): _____ 71-75 (F)
Plume Down Wash Selector (1 =Selected,
0=Not Selected): _____ 76-90 (I)
XQLIM Only
XQ Lower Limit: _____ 41-50 (F)
Speed Upper Limit: _____ 51-60 (F)
Fumigation Selector: (1=yes, 0=no)

Record Type 11

Pasquill Diffusion Groups (5 Cards Required.) Format 7I5

Wind Speed Group	Delta Temperature Group (A)	(B)	(C)	(D)	(E)	(F)	(G)
1	___	___	___	___	___	___	___
2	___	___	___	___	___	___	___
3	___	___	___	___	___	___	___
4	___	___	___	___	___	___	___
5	___	___	___	___	___	___	___

Record Type 12

Range, Upper Limits: (Group 7-1) Format 7I5

___ ___ ___ ___ ___ ___ ___

Record Type 13

Sigma, Upper Limits: (Group 7-1) Format 6f10.0

___ ___ ___ ___ ___ ___

Record Type 14

Height of Instrument (feet): _____ 1-5 (F)
New Height (feet) For Speed or Range Correction: _____ 6-10 (F)
Speed Correction Selector: _____ 11-15(I)
0=No Correction
1=Speed Correction – [$S_2=S_1(H_L/H_U)\ N_s$ (Temp. Stability Group)]
2=Speed Correction - [$S_2=S_1(H_L/H_U)\ N_s$ (Range Stability Group)]
Range Correction Selector: _____ 16-20 (I)
0=No Correction
2=Range Correction – [$R_2=R_1(H_L/H_U)\ N_R$ (Range Stability Group)]
Delta Temperature Correction Factor (0=None): _____ 21-25 (F)
AEC Speed Criteria For Meander (mph) (0=not Selected): _____ 26-30 (F)
(See Table 1)
Sun Desert Sigma Z Selector (0=Not Selected, 1=Selected): _____ 31-35(I)
Branch Technical Position Processing Selector 0=No, 1=Yes: _____ 36-40 (I)

Record Type 15 Format 14F5.0

Speed Correction Exponents (N_s) (Group 1-7) (For Temperature Group Only)

___ ___ ___ ___ ___ ___ ___

Range Correction Exponents (N_R) (Group 1-7)

___ ___ ___ ___ ___ ___ ___

Record Type 16 (WINDOW Only)

Wake Split Selector (0=No, 1 = Yes) _____ 1-5 (I)
Compute Elevated X/Q At Distance on Record Type 8, For Non-Wake Split Cases
(0=No, 1=Yes) _____ 6-10 (I)
Note: If Zero, peak computed, beginning at distance entered

(0=No, 1=Yes) _____
Note: If Zero, peak computed, beginning at distance entered

C-17 of 26

If One, compute at distance entered
Note:Wake Split Must Be Zero.
Store Wake Split Answers In: _____ 11-15 (I)
1=Ground, 2-Elevated
Terrain Processing; (For Wake Split=1 Only)
0=Use Record Type 17, 1=Use Terrain Deck: _____ 16-20 (I)
Note:If Selected Terrain Deck Must Be Placed In Setup And Card 17 Omitted.
Maximum Terrain Elevation: _____ 21-25
Minimum Terrain Elevation: _____ 26-30
Terrain Factor,f _____ 31-35
where height used $=\max\{\max[(H_s-T)*f, (1-f)*H_s], 10\}$

Record Type 17 8F10.0

Terrain Height At Elevated Distance For Each Direction (for Wake Split Only)
Note:Ground and Elevated Distances On Record Types 7 & 8 Must Be The Same For Wake Split.

____ ____ ____ ____ ____ ____ ____ ____
____ ____ ____ ____ ____ ____ ____ ____

Note: For GAMMAW Only - Replace The Following Cards With Record Type 16 from GAMMAW Addendum Setup Instruction Sheet. (GAMMAW DOSE Parameters).

Record Type 18 For WINDOW, XQLIM, WINGAM Only.)
Number Of Doors (Max. 8): _____ 1- 5 (I)
Number Or Knobs (Max.24): _____ 6-10 (I)

Record Type 19
Door Lengths: Format 8I5

____ ____ ____ ____ ____ ____ ____ ____

Record Type 20
Knobs Selected: Format 24I3

____ ____ ____ ____ ____ ____ ____ ____

____ ____ ____ ____ ____ ____ ____ ____

____ ____ ____ ____ ____ ____ ____ ____

Record Type 21

4 Records (New Distance Records For Another Case)

ground

___ ___ ___ ___ ___ ___ ___ ___

___ ___ ___ ___ ___ ___ ___ ___

elevated

___ ___ ___ ___ ___ ___ ___ ___

___ ___ ___ ___ ___ ___ ___ ___

For WINGAM Only: Attach A Separate Gamma Dose Setup Sheet For Both Window And Door Options If Selected.

For WINDOW: If Dose Option Selected - Dose Parameter Setup Sheet Is Required.

Table 1

1	2	3	4	5	6
Record Type 14 (26-30) (AESP)	Record Type 3 (76-80) (NBWL)	Building Wake Coefficient (CA)	Test for $CA/(\pi\sigma_y\sigma_z)>2$ Set CA = 0	(X/Q)/3 if CA=0	AEC
0	0	Test (Col. 4)	Yes	Yes	1
0	1	CA	No	NO	1
>0	0	Auto set to 0 for SPD<AESP	Yes(no meaning)	NO	4
>0	1	CA	No	NO	4

Addendum C

Batch Command File SUBATCH.COM

```
$!
$! 1.2  3/30/93 MJP, SEPERATE THE WORK ORDER AND TASK NAME (JOB NAME) PROMPTS
$!              TO MAKE THIS COMMAND PROCEDURE USEFUL!!
$! 1.1  9/16/92 MJP,ADD PROMPT FOR DIRECTORY NAME WHERE COMMAND FILE
RESIDES...
$! 1.0
$!
$! THIS PROC SUBMITS A PROCEEDURE TO THE BATCH QUEUE
$ WRITE SYS$OUTPUT " IN THE FOLLOWING PROMPT, THE DISK NAME IS OPTIONAL"
$ WRITE SYS$OUTPUT "IF IT IS NOT ENTERED, THE DEFAULT DISK IS USED"
$ WRITE SYS$OUTPUT "THE [DIRECTORY] NAME MUST BE INCLUDED"
$ INQUIRE DIRNAM "ENTER: [...[XXXXXX]] DISK:DIRECTORY NAME, INCLUDE BRACKETS"
$ INQUIRE WO_NUM "ENTER: [WORK ORDER NO.]"
$ INQUIRE TASKNAME "ENTER: [XXXXXXXX] TASK NAME (COMMAND FILE) TO BE
SUBMITTED"
$ INQUIRE UNAME "ENTER: [YOUR LAST NAME]"
$ UNAME=F$EXTRACT(0,9,UNAME)
$!!! SLEN=F$LENGTH(NAME)
$!!! LEN=F$LOCATE(",",NAME)
$!!! WO_NUM==F$EXTRACT(0,LEN,NAME)
$!!! LEN=LEN+1
$!!! SLEN=SLEN-LEN+1
$ INQUIRE YN "IS JOB TO BE DELAY SCHEDULED (Y/N)"
$ IF YN.NES."Y" THEN GOTO RUN
$ INQUIRE DAYTIME "ENTER DATE AND TIME[dd-mmm-19yy:hr:mn:ss]"
$!
$ RUN:
$!!! TASKNAME==F$EXTRACT(LEN,SLEN,NAME)
$ IF YN.EQS."Y" THEN GOTO AFTER
$ SUBMIT/NOTIFY SCHED$USER:[ACCT]ACCTBATCH/PARAMETERS=('WO_NUM','TASKNAME',-
'DIRNAM')/NAME='TASKNAME'
$ GOTO FINI
$ AFTER:
$ SUBMIT SCHED$USER:[ACCT]ACCTBATCH/PARAMETERS=('WO_NUM','TASKNAME','DIRNAM')-
/AFTER='DAYTIME'/NAME='TASKNAME'
$!
$ FINI:
$ EXIT
```

Batch Command File WINDOW.COM

```
$ @SCHED$USER:[MIDAS]LOGIN
$ SET DEF SCHED$USER:[MIDAS.PROGRAM]
$ PRUN=="$ SCHED$USER:[PRODUCT.PROGRAM]VAXRUN PRODUCTION"
$ PRUN WINDOW
$ EXIT
```

C-Ru 9 25

Addendum D
Meteorological Data File Format

DRWK - Hourly Meteorological Workspace File, 6 months (4416 records)

Changed by: MIDCM, MIDEM, SAVRES, WGTZ
Used by: All meteorological processing programs

Repeat following record every hour.

Record	Parameter	Description	Type*	Word Location**
1-4416	IDATE(5)	Date (yr,mo,day,hr,mn)	I	1-5
	ISP(5,7)	Speed 1 average (mph x 10)	I	6
		Speed 1 code	I	7
		Speed 1 standard deviation (mph x 10)	I	8
		Speed 1 minimum (mph x 10)	I	9
		Speed 1 maximum (mph x 10)	I	10
		Speed 2 average (mph x 10)	I	11
		Speed 2 code	I	12
		Speed 2 standard deviation (mph x 10)	I	13
		Speed 2 minimum (mph x 10)	I	14
		Speed 2 maximum (mph x 10)	I	15
		Speed 3 average (mph x 10)	I	16
		Speed 3 code	I	17
		Speed 3 standard deviation (mph x 10)	I	18
		Speed 3 minimum (mph x 10)	I	19
		Speed 3 maximum (mph x 10)	I	20
		Speed 4 average (mph x 10)	I	21
		Speed 4 code	I	22
	ISP(5,7)	Speed 4 standard deviation (mph x 10)	I	23

(mph x 10)

C-21 925

	Speed 4 minimum (mph x 10)	I	24
	Speed 4 maximum (mph x 10)	I	25
	Speed 5 average (mph x 10)	I	26
	Speed 5 code	I	27
	Speed 5 standard deviation (mph x 10)	I	28
	Speed 5 minimum (mph x 10)	I	29
	Speed 5 maximum (mph x 10)	I	30
	Speed 6 average (mph x 10)	I	31
	Speed 6 code	I	32
	Speed 6 standard deviation (mph x 10)	I	33
	Speed 6 minimum (mph x 10)	I	34
	Speed 6 maximum (mph x 10)	I	35
	Speed 7 average (mph x 10)	I	36
	Speed 7 code	I	37
	Speed 7 standard deviation (mph x 10)	I	38
	Speed 7 minimum (mph x 10)	I	39
	Speed 7 maximum (mph x 10)	I	40
IDR(5,6)	Direction 1 average (degrees)	I	41
	Direction 1 code	I	42
	Direction 1 standard deviation (degrees)	I	43
	Direction 1 minimum (degrees)	I	44
IDR(5,6) (Cont)	Direction 1 maximum (degrees)	I	45
	Direction 2 average (degrees)	I	46
	Direction 2 code	I	47
	Direction 2 standard deviation (degrees)	I	48
	Direction 2 minimum (degrees)	I	49
	Direction 2 maximum (degrees)	I	50

Direction 2 maximum (degrees) I 50

	Direction 3 average (degrees)	I	51
	Direction 3 code	I	52
	Direction 3 standard deviation (degrees)	I	53
	Direction 3 minimum (degrees)	I	54
	Direction 3 maximum (degrees)	I	55
	Direction 4 average (degrees)	I	56
	Direction 4 code	I	57
	Direction 4 standard deviation (degrees)	I	58
	Direction 4 minimum (degrees)	I	59
	Direction 4 maximum (degrees)	I	60
	Direction 5 average (degrees)	I	61
	Direction 5 code	I	62
	Direction 5 standard deviation (degrees)	I	63
	Direction 5 minimum (degrees)	I	64
	Direction 5 maximum (degrees)	I	65
	Direction 6 average (degrees)	I	66
IDR(5,6) (Cont)	Direction 6 code	I	67
	Direction 6 standard deviation (degrees)	I	68
	Direction 6 minimum (degrees)	I	69
	Direction 6 maximum (degrees)	I	70
ITP(2,6)	Temperature 1 average (degrees F x 10)	I	71
	Temperature 1 code	I	72
	Temperature 2 average (degrees F x 10)	I	73
	Temperature 2 code	I	74
	Temperature 3 average (degrees F x 10)	I	75
	Temperature 3 code	I	76

Temperature 3 code I 76

C-26 of 25

	Temperature 4 average (degrees F x 10)	I	77
	Temperature 4 code	I	78
	Temperature 5 average (degrees F x 10)	I	79
	Temperature 5 code	I	80
	Temperature 6 average (degrees F x 10)	I	81
	Temperature 6 code	I	82
IDT(2,4)	Delta temperature 1 average (degrees F x 10)	I	83
	Delta temperature 1 code	I	84
	Delta temperature 2 average (degrees F x 10)	I	85
IDT(2,4) (Cont)	Delta temperature 2 code	I	86
	Delta temperature 3 average (degrees F x 10)	I	87
	Delta temperature 3 code	I	88
	Delta temperature 4 average (degrees F x 10)	I	89
	Delta temperature 4 code	I	90
MISC(2,8)	Miscellaneous 1 average	I	91
	Miscellaneous 1 code	I	92
	Miscellaneous 2 average	I	93
	Miscellaneous 2 code	I	94
	Miscellaneous 3 average	I	95
	Miscellaneous 3 code	I	96
	Miscellaneous 4 average	I	97
	Miscellaneous 4 code	I	98
	Miscellaneous 5 average	I	99
	Miscellaneous 5 code	I	100
	Miscellaneous 6 average	I	101

Miscellaneous 6 average I 101

C-2-2 q 25

	Miscellaneous 6 code	I	102
	Miscellaneous 7 average	I	103
	Miscellaneous 7 code	I	104
	Miscellaneous 8 average	I	105
	Miscellaneous 8 code	I	106
IRAIN(2)	Rain average (inches x 100)	I	107
	Rain code	I	108

Attachment D

WINDOW Program Dedication

D-i 79

WINDOW PROGRAM DEDICATION

(VAX VERSION)

A program that follows U.S. Nuclear Regulatory Commission Regulatory Guide 1.145 to determine offsite X/Qs for use in SARs for nuclear plants

Developed by PLG, Inc.

D-2 89

TABLE OF CONTENTS

	Page
Background and Dedication	1
Critical Design/Acceptance Characteristics	1
Installation and Tests	2
Historical Use	2
Acceptance Tests	2
Independent Test Cases	3
User's Manual	3
Conclusions	3

Attachment A - WINDOW Verification

Attachment B - Historical Hand Calculations

Attachment C - WINDOW User's Manual

BACKGROUND AND DEDICATION

The WINDOW program was developed starting in 1959 by PLG, Inc. (and its subcontractor, Digital Graphics, Inc. (DGI)) to compute the probability of exceeding atmospheric dispersion parameter levels at nuclear power plants. It was intended for the use of PLG employees (and subcontractor employees under PLG's direction) in performing analyses for its clients. A setup sheet with instructions has always been used to document runs. The program has probably been used more than a thousand times over the past 29 years. It has not been sold or licensed to any client at this point in time.

The program was not developed under any formal quality assurance program, however, it has been checked and tested many times over the years. In 1974, PLG implemented its MPPPM (Meteorological Projects Policies and Procedures Manual) quality assurance program and instructed its subcontractor (DGI) to perform all software development under PLG's plan.

A rigorous independent test was conducted and documented in 1992 (as discussed later) which reconfirmed that the program was functioning properly. Thus, PLG feels that the program is worthy of dedication at this point as a quality program which performs accurately and appropriately when used properly. Justification follows in this document.

There are no calculations made by the WINDOW program that could cause an accident or result in degradation of reactor system functions.

CRITICAL DESIGN/ACCEPTANCE CHARACTERISTICS

The critical characteristics of the WINDOW program are centered around the atmospheric dispersion equation for determining a parameter referred to as X/Q. It has units of $\mu Ci/m^3$ per $\mu Ci/sec$ or sec/m^3. There are both long-term and short-term versions in the program along with modifications for building wake and elevated (stack) releases. Its second critical function is to make these computations using weather data (from the site) measured for every hour in a year and then rank order them to determine the probability of exceeding any given X/Q value. This is further enhanced by computing these probabilities for 16 direction sectors and rank ordering them separately. The equations follow U.S. NRC Regulatory Guide 1.145 methodology when the proper input selections are made by the user.

Acceptance of proper operation is based on reproduction of intermediate printed values of X/Q using hand calculations or other independent means. As discussed later in this document, the results of the WINDOW program were compared with results from an EXCEL spreadsheet developed entirely independently in 1992.

Since the program runs in a batch mode using hourly weather data, most errors are related to bad weather data that appears on the very large input files. When this occurs, the bad record is deleted and the program is rerun. Since the code has been run so many times by experienced users, errors related to input (setup) parameters seldomly occur.

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INSTALLATION AND TESTS

The program is currently functional on a VAX computer. There are special requirements for installation on the VAX that are provided in the User's Manual attached to this document. Input is via a separate file and the input records are entered using a system editor. The hourly meteorology file is the only other file required for a run. A large print file is normally produced.

When testing the system, performance is considered acceptable when output values matching independent calculations within a few percent. Since exponential functions are used, the potential exists for small differences in input parameters causing larger differences in results. The most convenient and meaningful method for testing is to plot results and compare with results of independent calculations as described later in this document.

HISTORICAL USE

The WINDOW program has been in use since 1959 in support of many nuclear plant SARs. PLG has been the only user thus far. Those currently responsible for making runs at PLG work under the direction of the original developers of the program in 1959. All are now employees of PLG since PLG acquired DGI in 1995. PLG's MPPPM quality assurance plan has been in active use since the mid-1970s and there have not been any documented error reports for the WINDOW program. PLG implemented form PLG-1020, "Report of Error in Software" in 1983. There have been no documented reports of WINDOW program errors on that form.

The program was used in licensing cases of some 10 to 15 nuclear plant sites (some plants were never built). PLG never received any negative feedback from its utility clients or from the NRC regarding results of program calculations. Further in more recent times, numerous calculations have been made for TMI and Oyster Creek. PLG is not aware of any reported problems with those calculations.

PLG will continue to utilize the program as requested and document any problems that arise and are fixed in accordance with its MPPPM quality assurance program which covers configuration control.

ACCEPTANCE TESTS

A detailed acceptance test was conducted in 1992 and documented through use of a PLG-1019 form (part of the MPPPM). Critical elements of that verification were incorporated in a new verification with clarifications and annotations. This new verification document appears in Attachment A to this document. This verification document also serves as recent proof of proper program function and acceptance by PLG. This verification is a controlled document under PLG's QA plan (MPPPM).

INDEPENDENT TEST CASES

In addition to the major test discussed above, records in PLG's QA files show several hand calculation verifications were made as follows:

(1) Hand calculations made by K. Woodard attached to Form PLG-1003 dated 3/13/84.

(2) Hand calculations made by T. Potter dated 1/17/76.

These are referenced and provided in Attachment B.

USER'S MANUAL

A User's Manual has been developed to assist in proper use of the program. It is included as Attachment C to this document. The User's Manual is intended for use by properly trained personnel and is annotated to guide the user toward typical (normal) setup parameters. Since the same setup sheets have been in use for almost 30 years, some portions of the setup are obsolete and are to be disregarded by the user. These areas are marked N/A or obsolete in the user instructions.

CONCLUSIONS

The WINDOW program is approved for use by qualified individuals. All modifications or errors shall continue to be controlled under the MPPPM plan.

ATTACHMENT A

WINDOW VERIFICATION

ATTACHMENT B

HISTORICAL HAND CALCULATIONS

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ATTACHMENT C

WINDOW USER'S MANUAL

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Attachment E

Users Manual and Certification Package for XDCALC

E-188

ABS Consulting

Certification of Computer Program

PROGRAM NAME XDCALC

VERSION/DATE: 5.5_112904 / DECEMBER 16, 2004

This program may be used in the design of safety related nuclear systems, structures and components. It is certified for the following use(s):

Calculation of X/Q and deposition values out to distances of 50 miles from the plant facility.

This program has been verified for the following hardware/software environments:

Windows PC systems and micro-VAX

CERTIFICATION

PERFORMED BY: DATE: 12/16/04

CHECKED BY: DATE: 12/17/04

APPROVED BY: DATE: 12/22/04

E-2-28

Document1 (8/21/01)

XDCALC PROGRAM DEDICATION

(PC VERSION)

A program that follows U.S. Nuclear Regulatory Commission Regulatory Guide 1.111 to determine offsite X/Qs for use by nuclear facilities

Developed by ABS CONSULTING, Inc.

December 2004

E 3188

TABLE OF CONTENTS

	Page
Background and Dedication	1
Critical Design/Acceptance Characteristics	1
Installation and Tests	2
Historical Use	2
Acceptance Tests	2
Independent Test Cases	3
User's Manual	3
Conclusions	3

Attachment A - XDCALC Verification

Attachment B - Historical Hand Calculations

Attachment C - XDCALC User's Manual

BACKGROUND AND DEDICATION

The XDCALC program was developed starting in 1975 by ABS Consulting (formerly PLG, Inc.) and its subcontractor, Digital Graphics, Inc. (DGI) to compute the long-term atmospheric dispersion conditions at nuclear power plants. It was intended for the use of PLG employees (and subcontractor employees under PLG's direction) in performing analyses for its clients. The program has probably been used numerous times over the past 29 years by both ABS and our clients. It has been licensed to clients as part of ABS Consulting's MIDAS (Meteorological Information and Dispersion Assessment System) software.

In 1974, PLG implemented its Meteorological Projects Policies and Procedures Manual (MPPPM) now MPPM (Meteorological Projects Procedures Manual) quality assurance program and instructed its subcontractor (DGI) to perform all software development under PLG's plan.

A rigorous independent test was conducted and documented in 1988 (as discussed later) which reconfirmed that the program was functioning properly. Thus, ABS feels that the program is worthy of dedication at this point as a quality program which performs accurately and appropriately when used properly. Justification follows in this document.

There are no calculations made by the XDCALC program that could cause an accident or result in degradation of reactor system functions.

CRITICAL DESIGN/ACCEPTANCE CHARACTERISTICS

The critical characteristics of the XDCALC program are centered around the atmospheric dispersion equation for determining a parameter referred to as X/Q. It has units of $\mu Ci/m^3$ per $\mu Ci/sec$ or sec/m^3. This program takes into consideration modifications for building wake and elevated (stack) releases. Its second critical function is to make these computations using weather data (from the site) measured for every hour in a year. The equations follow U.S. NRC Regulatory Guide 1.111 methodology when the proper input selections are made by the user.

Acceptance of proper operation is based on reproduction of intermediate printed values of X/Q using hand calculations or other independent means. As discussed later in this document, the results of the XDCALC program were compared with results from hand calculations and GASPAR developed entirely independently in 1988. Results were also compared with those from ABS's Windows program that has previously been dedicated by ABS.

When bad weather data occurs, the hour is not included in the results. Since the code has been run so many times by experienced users, errors related to input (setup) parameters seldom occur.

E-588

INSTALLATION AND TESTS

The program is currently functional on a PC computer. Input records are entered using a program editor. The hourly meteorology file is the only other file required for a run. A print file is normally produced.

When testing the system, performance is considered acceptable when output values match independent calculations within a few percent. Since exponential functions are used, the potential exists for small differences in input parameters causing larger differences in results. The most convenient and meaningful method for testing is to compare XDCALC results with results of independent calculations using the previously dedicated WINDOW program as described later in this document.

HISTORICAL USE

The XDCALC program has been in use since 1975 in support of many nuclear plant SARs (Safety Analysis Report). Those currently responsible for making runs at ABS work under the direction of the original developers of the program. All are now employees of ABS Consulting since PLG acquired DGI in 1995. ABS's MPPM quality assurance plan has been in active use since the mid-1970s and there have not been any documented error reports for the XDCALC program. PLG implemented form PLG-1020, "Report of Error in Software" in 1983. There have been no documented reports of XDCALC program errors on that form.

The program was used in licensing cases of some 10 to 15 nuclear plant sites (some plants were never built). ABS never received any negative feedback from its utility clients or from the NRC regarding results of program calculations. Further in more recent times, numerous calculations have been made for Hatch and Waterford. ABS is not aware of any reported problems with those calculations.

ABS will continue to utilize the program as requested and document any problems that arise and are fixed in accordance with its MPPM quality assurance program which covers configuration control.

ACCEPTANCE TESTS

A detailed acceptance test was conducted in 1992 and documented through use of a PLG-1019, "Software Control Form" (part of the MPPM). Critical elements of that verification were incorporated in a new verification with clarifications and annotations. This new verification document appears in Attachment A to this document. This verification document also serves as recent proof of proper program function and acceptance by ABS. This verification is a controlled document under ABS's QA plan (MPPM).

INDEPENDENT TEST CASES

In addition to the major test discussed above, records in ABS's QA files show that several hand calculation verifications were made and are provided in Attachment B.

USER'S MANUAL

A User's Manual has been developed to assist in proper use of the program. It is included as Attachment C to this document. The User's Manual is intended for use by properly trained personnel and is annotated to guide the user toward typical (normal) setup parameters.

CONCLUSIONS

The XDCALC program is approved for use by qualified individuals. All modifications or errors shall continue to be controlled under the MPPM plan.

ATTACHMENT A

XDCALC VERIFICATION

Comparison with WINDOWS Annual Average

E-0088

osite composite YEARS 1999 - 2003

AVERAGE XQ

IEC DIRECTION	WINDOW EAB	WINDOW LPZ	XDCALC-EAB no terrain recirc	XDCALC-LPZ no terrain recirc	EAB ratio xdcalc-notr/ averagexq	LPZ ratio xdcalc-notr/ averagexq
N	2.90E-06	1.15E-07	2.95E-06	1.12E-07	1.02	0.98
NNE	6.09E-06	2.47E-07	6.15E-06	2.41E-07	1.01	0.98
NE	1.38E-05	5.62E-07	1.41E-05	5.51E-07	1.02	0.98
ENE	3.74E-05	1.51E-06	3.90E-05	1.50E-06	1.04	0.99
E	1.76E-05	7.30E-07	1.78E-05	7.12E-07	1.01	0.98
ESE	8.73E-06	3.61E-07	8.68E-06	3.47E-07	0.99	0.96
SE	7.20E-06	2.97E-07	7.19E-06	2.86E-07	1.00	0.96
SSE	5.48E-06	2.26E-07	5.45E-06	2.19E-07	1.00	0.97
S	6.59E-06	2.73E-07	6.53E-06	2.65E-07	0.99	0.97
SSW	5.87E-06	2.39E-07	5.82E-06	2.33E-07	0.99	0.97
SW	5.14E-06	1.97E-07	5.21E-06	1.94E-07	1.01	0.98
WSW	2.29E-06	8.53E-08	2.36E-06	8.40E-08	1.03	0.98
W	1.27E-06	4.85E-08	1.30E-06	4.73E-08	1.03	0.98
WNW	8.60E-07	3.28E-08	8.90E-07	3.22E-08	1.03	0.98
NW	1.35E-06	5.20E-08	1.39E-06	5.08E-08	1.03	0.98
NNW	1.68E-06	6.46E-08	1.76E-06	6.39E-08	1.05	0.99

I 19 YEAR 1999

AVERAGE XQ

IRE(DIRECTION	WINDOW EAB	WINDOW LPZ	XDCALC-EAB no terrain recirc	XDCALC-LPZ no terrain recirc	EAB ratio xdcalc-notr/ averagexq	LPZ ratio xdcalc-notr/ averagexq
N	3.33E-06	1.32E-07	3.37E-06	1.28E-07	1.01	0.97
NNE	5.63E-06	2.25E-07	5.68E-06	2.20E-07	1.01	0.98
NE	1.31E-05	5.32E-07	1.32E-05	5.19E-07	1.01	0.97
ENE	3.88E-05	1.55E-06	4.06E-05	1.53E-06	1.04	0.99
E	1.82E-05	7.44E-07	1.86E-05	7.28E-07	1.02	0.98
ESE	9.39E-06	3.83E-07	9.33E-06	3.67E-07	0.99	0.96
SE	6.60E-06	2.71E-07	6.53E-06	2.60E-07	0.99	0.96
SSE	4.56E-06	1.85E-07	4.56E-06	1.79E-07	1.00	0.97
S	5.72E-06	2.36E-07	5.63E-06	2.29E-07	0.98	0.97
SSW	5.53E-06	2.24E-07	5.43E-06	2.18E-07	0.98	0.97
SW	5.55E-06	2.18E-07	5.48E-06	2.12E-07	0.99	0.97
WSW	2.35E-06	8.85E-08	2.37E-06	8.65E-08	1.01	0.98
W	1.28E-06	4.85E-08	1.29E-06	4.74E-08	1.01	0.98
WNW	7.56E-07	2.86E-08	7.76E-07	2.80E-08	1.03	0.98
NW	1.35E-06	5.28E-08	1.38E-06	5.14E-08	1.02	0.97
NNW	1.55E-06	5.93E-08	1.61E-06	5.80E-08	1.03	0.98

F-10 488

20(YEAR 2000

AVERAGE XQ

REC	DIRECTION	WINDOW EAB	WINDOW LPZ	XDCALC-EAB no terrain recirc	XDCALC-LPZ no terrain recirc	EAB ratio xdcalc-notr/ averagexq	LPZ ratio xdcalc-notr/ averagexq
	N	3.04E-06	1.19E-07	3.12E-06	1.16E-07	1.03	0.98
	NNE	6.29E-06	2.54E-07	6.47E-06	2.51E-07	1.03	0.99
	NE	1.41E-05	5.72E-07	1.45E-05	5.61E-07	1.02	0.98
	ENE	3.69E-05	1.50E-06	3.84E-05	1.48E-06	1.04	0.99
	E	1.77E-05	7.36E-07	1.81E-05	7.19E-07	1.02	0.98
	ESE	7.37E-06	3.00E-07	7.36E-06	2.88E-07	1.00	0.96
	SE	7.35E-06	3.02E-07	7.35E-06	2.90E-07	1.00	0.96
	SSE	5.25E-06	2.17E-07	5.27E-06	2.10E-07	1.00	0.97
	S	6.98E-06	2.89E-07	6.89E-06	2.80E-07	0.99	0.97
	SSW	6.15E-06	2.51E-07	6.13E-06	2.44E-07	1.00	0.98
	SW	5.14E-06	1.96E-07	5.28E-06	1.95E-07	1.03	0.99
	WSW	2.13E-06	7.80E-08	2.24E-06	7.74E-08	1.05	0.99
	W	1.33E-06	5.04E-08	1.37E-06	4.92E-08	1.03	0.98
	WNW	1.03E-06	3.90E-08	1.08E-06	3.83E-08	1.05	0.98
	NW	1.46E-06	5.63E-08	1.50E-06	5.49E-08	1.03	0.97
	NNW	1.93E-06	7.44E-08	2.10E-06	7.58E-08	1.09	1.02

E-11 488

I 20(YEAR 2001

AVERAGE XQ

IRE	DIRECTION	WINDOW EAB	WINDOW LPZ	XDCALC-EAB no terrain recirc	XDCALC-LPZ no terrain recirc	EAB ratio xdcalc-notr/ averagexq	LPZ ratio xdcalc-notr/ averagexq
	N	2.96E-06	1.16E-07	3.05E-06	1.13E-07	1.00	0.97
	NNE	5.31E-06	2.15E-07	5.32E-06	2.09E-07	0.99	0.97
	NE	1.22E-05	5.01E-07	1.24E-05	4.91E-07	1.02	0.99
	ENE	4.07E-05	1.65E-06	4.26E-05	1.64E-06	1.05	0.99
	E	2.09E-05	8.68E-07	2.13E-05	8.48E-07	1.04	0.99
	ESE	9.70E-06	4.06E-07	9.56E-06	3.89E-07	1.03	0.98
	SE	7.67E-06	3.17E-07	7.62E-06	3.05E-07	1.05	0.98
	SSE	6.30E-06	2.62E-07	6.19E-06	2.52E-07	1.04	0.98
	S	7.37E-06	3.03E-07	7.35E-06	2.96E-07	1.03	0.98
	SSW	5.91E-06	2.41E-07	5.86E-06	2.35E-07	1.00	0.97
	SW	5.41E-06	2.06E-07	5.52E-06	2.03E-07	1.02	0.98
/	WSW	2.08E-06	7.52E-08	2.17E-06	7.48E-08	1.05	0.99
	W	1.04E-06	3.89E-08	1.09E-06	3.83E-08	1.01	0.98
/	WNW	7.74E-07	2.93E-08	7.99E-07	2.88E-08	0.99	0.96
	NW	1.59E-06	6.03E-08	1.67E-06	5.94E-08	0.99	0.96
	NNW	1.90E-06	7.35E-08	1.97E-06	7.23E-08	0.98	0.96

F-1 2 of 2

20(YEAR 2002

AVERAGE XQ

REC	DIRECTION	WINDOW EAB	WINDOW LPZ	XDCALC-EAB no terrain recirc	XDCALC-LPZ no terrain recirc	EAB ratio xdcalc-notr/ averagexq	LPZ ratio xdcalc-notr/ averagexq
	N	2.86E-06	1.14E-07	2.86E-06	1.10E-07	1.00	0.97
	NNE	6.49E-06	2.65E-07	6.54E-06	2.57E-07	1.01	0.97
	NE	1.30E-05	5.28E-07	1.33E-05	5.18E-07	1.03	0.98
	ENE	3.77E-05	1.53E-06	3.96E-05	1.51E-06	1.05	0.99
	E	1.62E-05	6.85E-07	1.63E-05	6.66E-07	1.01	0.97
	ESE	9.06E-06	3.77E-07	9.10E-06	3.65E-07	1.00	0.97
	SE	6.24E-06	2.56E-07	6.35E-06	2.51E-07	1.02	0.98
	SSE	5.87E-06	2.43E-07	5.88E-06	2.37E-07	1.00	0.98
	S	6.71E-06	2.81E-07	6.64E-06	2.74E-07	0.99	0.98
	SSW	6.29E-06	2.56E-07	6.25E-06	2.49E-07	0.99	0.97
	SW	5.02E-06	1.88E-07	5.13E-06	1.86E-07	1.02	0.99
	WSW	2.42E-06	9.03E-08	2.51E-06	8.89E-08	1.04	0.98
	W	1.33E-06	5.12E-08	1.39E-06	5.04E-08	1.04	0.98
	WNW	8.62E-07	3.37E-08	8.88E-07	3.30E-08	1.03	0.98
	NW	1.17E-06	4.53E-08	1.22E-06	4.43E-08	1.04	0.98
	NNW	1.62E-06	6.19E-08	1.68E-06	6.07E-08	1.04	0.98

E-13 188

I 20(YEAR 2003

AVERAGE XQ

IRE(	DIRECTION	WINDOW EAB	WINDOW LPZ	XDCALC-EAB no terrain recirc	XDCALC-LPZ no terrain recirc	EAB ratio xdcalc-notr/ averagexq	LPZ ratio xdcalc-notr/ averagexq
	N	2.33E-06	9.35E-08	2.35E-06	9.11E-08	1.01	0.97
	NNE	6.75E-06	2.75E-07	6.75E-06	2.68E-07	1.00	0.97
	NE	1.65E-05	6.77E-07	1.70E-05	6.66E-07	1.03	0.98
	ENE	3.27E-05	1.33E-06	3.37E-05	1.32E-06	1.03	0.99
	E	1.47E-05	6.16E-07	1.48E-05	5.98E-07	1.01	0.97
	ESE	8.12E-06	3.38E-07	8.05E-06	3.26E-07	0.99	0.97
	SE	8.14E-06	3.37E-07	8.09E-06	3.25E-07	0.99	0.96
	SSE	5.40E-06	2.23E-07	5.35E-06	2.15E-07	0.99	0.97
	S	6.18E-06	2.54E-07	6.15E-06	2.47E-07	1.00	0.97
	SSW	5.49E-06	2.23E-07	5.42E-06	2.17E-07	0.99	0.97
	SW	4.58E-06	1.75E-07	4.66E-06	1.72E-07	1.02	0.98
	WSW	2.46E-06	9.45E-08	2.51E-06	9.26E-08	1.02	0.98
	W	1.37E-06	5.32E-08	1.38E-06	5.11E-08	1.01	0.96
	WNW	8.78E-07	3.35E-08	9.09E-07	3.30E-08	1.04	0.98
	NW	1.18E-06	4.52E-08	1.21E-06	4.38E-08	1.03	0.97
	NNW	1.39E-06	5.40E-08	1.43E-06	5.27E-08	1.03	0.98

DATES OF LAST X/Q ACCUMULATION ARE FROM 01/01/99 01:00 TO 01/01/00 00:00

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
1	2092.70	0.00	7.959E-07	8.021E-07	6.856E-07	2.068E-09
2	5151.20	0.00	2.068E-07	2.107E-07	1.648E-07	4.565E-10
3	1609.70	23.00	1.134E-06	1.139E-06	9.922E-07	4.156E-09
4	3702.40	23.00	3.298E-07	3.334E-07	2.715E-07	1.071E-09
5	1448.80	45.00	1.311E-06	1.316E-06	1.154E-06	7.611E-09
6	4346.20	45.00	2.511E-07	2.537E-07	2.031E-07	1.242E-09
7	3380.50	68.00	1.522E-07	1.532E-07	1.259E-07	1.161E-09
8	3860.40	68.00	1.240E-07	1.248E-07	1.014E-07	9.450E-10
9	2253.70	90.00	1.561E-07	1.568E-07	1.335E-07	1.096E-09
10	2897.60	90.00	1.061E-07	1.067E-07	8.893E-08	7.338E-10
11	7243.90	90.00	2.531E-08	2.568E-08	1.925E-08	1.476E-10
12	804.90	113.00	4.364E-07	4.370E-07	3.992E-07	3.583E-09
13	4024.40	113.00	3.768E-08	3.794E-08	3.070E-08	2.484E-10
14	4346.30	113.00	3.321E-08	3.346E-08	2.681E-08	2.144E-10
15	804.90	135.00	7.824E-07	7.834E-07	7.158E-07	6.211E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
16	965.90	135.00	5.976E-07	5.987E-07	5.402E-07	4.550E-09
17	4185.40	135.00	6.507E-08	6.553E-08	5.277E-08	3.996E-10
18	965.90	158.00	6.894E-07	6.906E-07	6.232E-07	5.846E-09
19	2413.50	158.00	1.746E-07	1.753E-07	1.485E-07	1.225E-09
20	1609.80	180.00	6.824E-07	6.853E-07	5.969E-07	3.828E-09
21	1770.70	180.00	5.924E-07	5.951E-07	5.149E-07	3.253E-09
22	1448.80	203.00	1.344E-06	1.350E-06	1.185E-06	5.640E-09
23	1931.70	203.00	8.772E-07	8.822E-07	7.586E-07	3.452E-09
24	4829.30	203.00	2.201E-07	2.231E-07	1.762E-07	7.520E-10
25	2414.60	225.00	1.415E-06	1.428E-06	1.208E-06	3.001E-09
26	3058.50	225.00	1.006E-06	1.018E-06	8.429E-07	2.079E-09
27	2092.70	248.00	4.958E-06	4.999E-06	4.273E-06	6.419E-09
28	2092.70	248.00	4.958E-06	4.999E-06	4.273E-06	6.419E-09
29	1931.70	270.00	2.710E-06	2.736E-06	2.350E-06	3.462E-09
30	1931.70	270.00	2.710E-06	2.736E-06	2.350E-06	3.462E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
31	8048.80	270.00	3.631E-07	3.771E-07	2.767E-07	2.993E-10
32	1287.80	293.00	2.585E-06	2.604E-06	2.300E-06	4.068E-09
33	2092.70	293.00	1.245E-06	1.258E-06	1.075E-06	1.777E-09
34	1287.80	315.00	1.838E-06	1.850E-06	1.635E-06	4.048E-09
35	2897.60	315.00	5.534E-07	5.608E-07	4.664E-07	1.043E-09
36	2897.60	315.00	5.534E-07	5.608E-07	4.664E-07	1.043E-09
37	965.80	338.00	1.974E-06	1.983E-06	1.788E-06	5.437E-09
38	6439.00	338.00	1.167E-07	1.197E-07	9.082E-08	2.128E-10
39	6761.00	338.00	1.089E-07	1.119E-07	8.432E-08	1.951E-10
40	1126.30	45.00	1.900E-06	1.906E-06	1.701E-06	1.170E-08
41	804.90	248.00	2.224E-05	2.230E-05	2.037E-05	3.278E-08
42	949.00	0.00	2.530E-06	2.539E-06	2.293E-06	7.974E-09
43	1255.00	23.00	1.629E-06	1.636E-06	1.449E-06	6.355E-09
44	933.00	45.00	2.508E-06	2.514E-06	2.274E-06	1.613E-08
45	788.00	68.00	1.376E-06	1.378E-06	1.261E-06	1.324E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
46	772.00	90.00	7.767E-07	7.778E-07	7.126E-07	6.820E-09

(SEC/M3) (SEC/M3) (SEC/M3) (1/M2)
46 772.00 90.00 7.767E-07 7.778E-07 7.126E-07 6.820E-09

E-10 188

47	804.00	113.00	4.371E-07	4.377E-07	3.999E-07	3.589E-09
48	6600.00	113.00	1.708E-08	1.727E-08	1.311E-08	9.831E-11
49	6761.00	113.00	1.647E-08	1.666E-08	1.261E-08	9.416E-11
50	692.00	135.00	9.782E-07	9.791E-07	9.039E-07	8.039E-09
51	660.00	158.00	1.220E-06	1.221E-06	1.131E-06	1.120E-08
52	611.00	180.00	2.875E-06	2.878E-06	2.680E-06	1.999E-08
53	628.00	203.00	4.650E-06	4.655E-06	4.326E-06	2.349E-08
54	5634.00	203.00	1.731E-07	1.758E-07	1.361E-07	5.598E-10
55	6117.00	203.00	1.540E-07	1.567E-07	1.200E-07	4.833E-10
56	981.00	225.00	5.502E-06	5.524E-06	4.976E-06	1.396E-08
57	1963.00	248.00	5.482E-06	5.526E-06	4.744E-06	7.159E-09
58	1657.00	270.00	3.426E-06	3.456E-06	3.000E-06	4.498E-09
59	981.00	293.00	3.893E-06	3.914E-06	3.524E-06	6.473E-09
60	1062.00	315.00	2.448E-06	2.461E-06	2.204E-06	5.624E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
61	949.00	338.00	2.026E-06	2.035E-06	1.837E-06	5.603E-09
62	1376.00	68.00	5.959E-07	5.976E-07	5.263E-07	5.115E-09
63	1283.00	90.00	3.630E-07	3.640E-07	3.221E-07	2.866E-09
64	549.00	0.00	5.633E-06	5.638E-06	5.287E-06	2.029E-08
65	549.00	23.00	5.434E-06	5.438E-06	5.100E-06	2.606E-08
66	549.00	45.00	5.483E-06	5.486E-06	5.145E-06	3.987E-08
67	549.00	68.00	2.367E-06	2.368E-06	2.221E-06	2.454E-08
68	549.00	90.00	1.294E-06	1.295E-06	1.214E-06	1.220E-08
69	549.00	113.00	7.756E-07	7.759E-07	7.278E-07	6.883E-09
70	549.00	135.00	1.377E-06	1.378E-06	1.292E-06	1.193E-08
71	549.00	158.00	1.609E-06	1.609E-06	1.509E-06	1.533E-08
72	549.00	180.00	3.370E-06	3.372E-06	3.163E-06	2.400E-08
73	549.00	203.00	5.677E-06	5.681E-06	5.328E-06	2.954E-08
74	549.00	225.00	1.320E-05	1.321E-05	1.239E-05	3.759E-08
75	549.00	247.00	4.055E-05	4.059E-05	3.807E-05	6.297E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
76	549.00	270.00	1.856E-05	1.858E-05	1.743E-05	2.963E-08
77	549.00	293.00	9.326E-06	9.337E-06	8.756E-06	1.743E-08
78	549.00	315.00	6.525E-06	6.532E-06	6.125E-06	1.734E-08
79	549.00	338.00	4.559E-06	4.564E-06	4.280E-06	1.426E-08
80	4990.00	203.00	2.091E-07	2.121E-07	1.668E-07	7.063E-10
81	183.00	0.00	2.809E-05	2.795E-05	2.829E-05	1.323E-07
82	457.00	0.00	7.366E-06	7.365E-06	6.996E-06	2.775E-08
83	4425.00	0.00	2.618E-07	2.661E-07	2.122E-07	6.107E-10
84	4425.00	23.00	2.501E-07	2.533E-07	2.023E-07	7.842E-10
85	183.00	45.00	2.771E-05	2.762E-05	2.794E-05	2.599E-07
86	4425.00	45.00	2.440E-07	2.465E-07	1.970E-07	1.200E-09
87	183.00	68.00	1.231E-05	1.228E-05	1.242E-05	1.600E-07
88	4425.00	68.00	9.962E-08	1.004E-07	8.029E-08	7.385E-10
89	183.00	90.00	6.707E-06	6.688E-06	6.765E-06	7.954E-08
90	4425.00	90.00	5.457E-08	5.506E-08	4.401E-08	3.672E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
91	183.00	113.00	4.045E-06	4.035E-06	4.081E-06	4.487E-08
92	4425.00	113.00	3.225E-08	3.249E-08	2.598E-08	2.072E-10
93	183.00	135.00	6.981E-06	6.965E-06	7.044E-06	7.780E-08
94	4425.00	135.00	5.935E-08	5.979E-08	4.781E-08	3.592E-10
95	183.00	158.00	8.355E-06	8.337E-06	8.431E-06	9.994E-08
96	4425.00	158.00	6.691E-08	6.739E-08	5.389E-08	4.614E-10
97	183.00	180.00	1.722E-05	1.717E-05	1.736E-05	1.565E-07

96	4425.00	158.00	6.691E-08	6.739E-08	5.389E-08	4.614E-10
97	183.00	180.00	1.722E-05	1.717E-05	1.736E-05	1.565E-07

98	4425.00	180.00	1.469E-07	1.485E-07	1.186E-07	7.223E-10
99	183.00	203.00	2.899E-05	2.889E-05	2.923E-05	1.926E-07
100	4425.00	203.00	2.522E-07	2.554E-07	2.039E-07	8.891E-10
101	183.00	225.00	6.914E-05	6.881E-05	6.964E-05	2.451E-07
102	4425.00	225.00	5.892E-07	5.988E-07	4.776E-07	1.131E-09
103	183.00	247.00	2.277E-04	2.266E-04	2.293E-04	4.106E-07
104	4425.00	247.00	1.723E-06	1.752E-06	1.398E-06	1.895E-09
105	183.00	270.00	9.962E-05	9.900E-05	1.002E-04	1.932E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
106	4425.00	270.00	8.231E-07	8.401E-07	6.693E-07	8.918E-10
107	183.00	293.00	4.873E-05	4.841E-05	4.902E-05	1.136E-07
108	4425.00	293.00	4.169E-07	4.262E-07	3.394E-07	5.246E-10
109	183.00	315.00	3.338E-05	3.318E-05	3.359E-05	1.131E-07
110	4425.00	315.00	2.967E-07	3.028E-07	2.412E-07	5.219E-10
111	183.00	338.00	2.322E-05	2.309E-05	2.338E-05	9.295E-08
112	4425.00	338.00	2.047E-07	2.083E-07	1.661E-07	4.291E-10
113	22536.00	203.00	2.474E-08	2.644E-08	1.643E-08	5.435E-11
114	2736.50	248.00	3.332E-06	3.367E-06	2.817E-06	4.139E-09
115	804.00	90.00	7.308E-07	7.320E-07	6.688E-07	6.363E-09
116	3703.40	23.00	3.297E-07	3.332E-07	2.714E-07	1.070E-09
117	3863.40	68.00	1.238E-07	1.247E-07	1.013E-07	9.439E-10
118	2253.60	90.00	1.561E-07	1.568E-07	1.335E-07	1.096E-09
119	4829.30	203.00	2.201E-07	2.231E-07	1.762E-07	7.520E-10
120	5634.00	203.00	1.731E-07	1.758E-07	1.361E-07	5.598E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
121	2897.50	315.00	5.534E-07	5.608E-07	4.664E-07	1.043E-09
122	2897.60	90.00	1.061E-07	1.067E-07	8.893E-08	7.338E-10
123	2735.30	247.00	3.334E-06	3.369E-06	2.819E-06	4.142E-09
124	4827.00	0.00	2.288E-07	2.328E-07	1.836E-07	5.170E-10
125	4827.00	23.00	2.178E-07	2.209E-07	1.744E-07	6.639E-10
126	4827.00	45.00	2.123E-07	2.147E-07	1.696E-07	1.016E-09
127	4827.00	68.00	8.648E-08	8.726E-08	6.900E-08	6.252E-10
128	4827.00	90.00	4.735E-08	4.781E-08	3.780E-08	3.109E-10
129	4827.00	113.00	2.795E-08	2.819E-08	2.229E-08	1.754E-10
130	4827.00	135.00	5.140E-08	5.182E-08	4.098E-08	3.040E-10
131	4827.00	158.00	5.798E-08	5.844E-08	4.622E-08	3.906E-10
132	4827.00	180.00	1.277E-07	1.293E-07	1.021E-07	6.115E-10
133	4827.00	203.00	2.202E-07	2.233E-07	1.763E-07	7.527E-10
134	4827.00	225.00	5.187E-07	5.279E-07	4.164E-07	9.577E-10
135	4827.00	247.00	1.533E-06	1.562E-06	1.231E-06	1.604E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
136	4827.00	270.00	7.281E-07	7.446E-07	5.865E-07	7.550E-10
137	4827.00	293.00	3.667E-07	3.756E-07	2.957E-07	4.441E-10
138	4827.00	315.00	2.602E-07	2.660E-07	2.095E-07	4.418E-10
139	4827.00	338.00	1.790E-07	1.824E-07	1.438E-07	3.633E-10

DATES OF LAST X/Q ACCUMULATION ARE FROM 01/01/00 01:00 TO 01/01/01 00:00

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
1	2092.70	0.00	9.774E-07	9.849E-07	8.419E-07	2.476E-09
2	5151.20	0.00	2.528E-07	2.575E-07	2.014E-07	5.464E-10
3	1609.70	23.00	1.271E-06	1.278E-06	1.112E-06	4.165E-09
4	3702.40	23.00	3.694E-07	3.735E-07	3.041E-07	1.073E-09
5	1448.80	45.00	1.236E-06	1.240E-06	1.088E-06	7.346E-09
6	4346.20	45.00	2.308E-07	2.331E-07	1.867E-07	1.199E-09
7	3380.50	68.00	1.382E-07	1.391E-07	1.143E-07	1.030E-09
8	3860.40	68.00	1.120E-07	1.128E-07	9.158E-08	8.378E-10
9	2253.70	90.00	1.625E-07	1.633E-07	1.390E-07	1.035E-09
10	2897.60	90.00	1.103E-07	1.110E-07	9.249E-08	6.929E-10
11	7243.90	90.00	2.611E-08	2.655E-08	1.989E-08	1.394E-10
12	804.90	113.00	6.048E-07	6.057E-07	5.534E-07	4.770E-09
13	4024.40	113.00	5.171E-08	5.212E-08	4.216E-08	3.308E-10
14	4346.30	113.00	4.553E-08	4.592E-08	3.679E-08	2.855E-10
15	804.90	135.00	8.492E-07	8.503E-07	7.769E-07	6.969E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
16	965.90	135.00	6.475E-07	6.486E-07	5.853E-07	5.106E-09
17	4185.40	135.00	6.953E-08	7.002E-08	5.638E-08	4.483E-10
18	965.90	158.00	8.987E-07	9.004E-07	8.124E-07	7.141E-09
19	2413.50	158.00	2.279E-07	2.289E-07	1.940E-07	1.496E-09
20	1609.80	180.00	6.295E-07	6.320E-07	5.505E-07	3.370E-09
21	1770.70	180.00	5.463E-07	5.487E-07	4.748E-07	2.864E-09
22	1448.80	203.00	1.535E-06	1.543E-06	1.354E-06	5.104E-09
23	1931.70	203.00	1.002E-06	1.009E-06	8.675E-07	3.124E-09
24	4829.30	203.00	2.509E-07	2.548E-07	2.011E-07	6.806E-10
25	2414.60	225.00	1.542E-06	1.556E-06	1.317E-06	3.044E-09
26	3058.50	225.00	1.094E-06	1.107E-06	9.165E-07	2.108E-09
27	2092.70	248.00	4.829E-06	4.870E-06	4.162E-06	6.407E-09
28	2092.70	248.00	4.829E-06	4.870E-06	4.162E-06	6.407E-09
29	1931.70	270.00	2.693E-06	2.720E-06	2.336E-06	3.566E-09
30	1931.70	270.00	2.693E-06	2.720E-06	2.336E-06	3.566E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
31	8048.80	270.00	3.540E-07	3.681E-07	2.700E-07	3.083E-10
32	1287.80	293.00	2.059E-06	2.074E-06	1.832E-06	3.665E-09
33	2092.70	293.00	9.964E-07	1.007E-06	8.602E-07	1.601E-09
34	1287.80	315.00	2.076E-06	2.091E-06	1.847E-06	3.997E-09
35	2897.60	315.00	6.238E-07	6.327E-07	5.260E-07	1.030E-09
36	2897.60	315.00	6.238E-07	6.327E-07	5.260E-07	1.030E-09
37	965.80	338.00	2.299E-06	2.309E-06	2.082E-06	5.429E-09
38	6439.00	338.00	1.365E-07	1.404E-07	1.064E-07	2.125E-10
39	6761.00	338.00	1.274E-07	1.311E-07	9.875E-08	1.947E-10
40	1126.30	45.00	1.801E-06	1.807E-06	1.613E-06	1.129E-08
41	804.90	248.00	2.124E-05	2.130E-05	1.946E-05	3.272E-08
42	949.00	0.00	3.098E-06	3.110E-06	2.808E-06	9.545E-09
43	1255.00	23.00	1.829E-06	1.837E-06	1.627E-06	6.369E-09
44	933.00	45.00	2.388E-06	2.394E-06	2.165E-06	1.557E-08
45	788.00	68.00	1.291E-06	1.293E-06	1.183E-06	1.174E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
46	772.00	90.00	8.183E-07	8.196E-07	7.509E-07	6.440E-09

(SEC/M3) (SEC/M3) (SEC/M3) (1/M2)
46 772.00 90.00 8.183E-07 8.196E-07 7.509E-07 6.440E-09

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47	804.00	113.00	6.058E-07	6.067E-07	5.544E-07	4.779E-09
48	6600.00	113.00	2.325E-08	2.356E-08	1.788E-08	1.309E-10
49	6761.00	113.00	2.241E-08	2.271E-08	1.718E-08	1.254E-10
50	692.00	135.00	1.063E-06	1.064E-06	9.825E-07	9.020E-09
51	660.00	158.00	1.590E-06	1.591E-06	1.474E-06	1.368E-08
52	611.00	180.00	2.660E-06	2.663E-06	2.479E-06	1.760E-08
53	628.00	203.00	5.301E-06	5.308E-06	4.933E-06	2.125E-08
54	5634.00	203.00	1.970E-07	2.006E-07	1.552E-07	5.066E-10
55	6117.00	203.00	1.751E-07	1.786E-07	1.366E-07	4.374E-10
56	981.00	225.00	6.023E-06	6.048E-06	5.448E-06	1.416E-08
57	1963.00	248.00	5.333E-06	5.376E-06	4.615E-06	7.146E-09
58	1657.00	270.00	3.397E-06	3.427E-06	2.976E-06	4.633E-09
59	981.00	293.00	3.092E-06	3.108E-06	2.799E-06	5.831E-09
60	1062.00	315.00	2.763E-06	2.779E-06	2.488E-06	5.555E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
61	949.00	338.00	2.359E-06	2.369E-06	2.139E-06	5.594E-09
62	1376.00	68.00	5.539E-07	5.556E-07	4.893E-07	4.535E-09
63	1283.00	90.00	3.802E-07	3.814E-07	3.375E-07	2.706E-09
64	549.00	0.00	6.886E-06	6.892E-06	6.463E-06	2.429E-08
65	549.00	23.00	6.127E-06	6.132E-06	5.751E-06	2.611E-08
66	549.00	45.00	5.284E-06	5.286E-06	4.958E-06	3.848E-08
67	549.00	68.00	2.236E-06	2.237E-06	2.098E-06	2.175E-08
68	549.00	90.00	1.369E-06	1.369E-06	1.284E-06	1.152E-08
69	549.00	113.00	1.077E-06	1.077E-06	1.010E-06	9.164E-09
70	549.00	135.00	1.500E-06	1.501E-06	1.408E-06	1.339E-08
71	549.00	158.00	2.095E-06	2.096E-06	1.966E-06	1.873E-08
72	549.00	180.00	3.119E-06	3.121E-06	2.927E-06	2.113E-08
73	549.00	203.00	6.470E-06	6.475E-06	6.073E-06	2.673E-08
74	549.00	225.00	1.449E-05	1.451E-05	1.360E-05	3.812E-08
75	549.00	247.00	3.843E-05	3.847E-05	3.608E-05	6.286E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
76	549.00	270.00	1.810E-05	1.812E-05	1.699E-05	3.052E-08
77	549.00	293.00	7.363E-06	7.371E-06	6.912E-06	1.570E-08
78	549.00	315.00	7.349E-06	7.357E-06	6.900E-06	1.713E-08
79	549.00	338.00	5.270E-06	5.275E-06	4.947E-06	1.423E-08
80	4990.00	203.00	2.383E-07	2.422E-07	1.903E-07	6.392E-10
81	183.00	0.00	3.421E-05	3.404E-05	3.445E-05	1.583E-07
82	457.00	0.00	8.999E-06	8.998E-06	8.547E-06	3.321E-08
83	4425.00	0.00	3.205E-07	3.256E-07	2.597E-07	7.310E-10
84	4425.00	23.00	2.804E-07	2.842E-07	2.269E-07	7.859E-10
85	183.00	45.00	2.738E-05	2.729E-05	2.760E-05	2.509E-07
86	4425.00	45.00	2.241E-07	2.265E-07	1.809E-07	1.158E-09
87	183.00	68.00	1.186E-05	1.183E-05	1.196E-05	1.418E-07
88	4425.00	68.00	8.945E-08	9.019E-08	7.210E-08	6.547E-10
89	183.00	90.00	7.184E-06	7.162E-06	7.245E-06	7.511E-08
90	4425.00	90.00	5.667E-08	5.725E-08	4.574E-08	3.468E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
91	183.00	113.00	5.638E-06	5.623E-06	5.687E-06	5.974E-08
92	4425.00	113.00	4.419E-08	4.458E-08	3.564E-08	2.758E-10
93	183.00	135.00	7.685E-06	7.668E-06	7.755E-06	8.729E-08
94	4425.00	135.00	6.338E-08	6.386E-08	5.107E-08	4.030E-10
95	183.00	158.00	1.086E-05	1.083E-05	1.096E-05	1.221E-07
96	4425.00	158.00	8.750E-08	8.821E-08	7.052E-08	5.637E-10
97	183.00	180.00	1.599E-05	1.594E-05	1.613E-05	1.378E-07

96 4425.00 158.00 8.750E-08 8.821E-08 7.052E-08 5.637E-10
97 183.00 180.00 1.599E-05 1.594E-05 1.613E-05 1.378E-07

98	4425.00	180.00	1.340E-07	1.354E-07	1.082E-07	6.360E-10
99	183.00	203.00	3.297E-05	3.283E-05	3.322E-05	1.743E-07
100	4425.00	203.00	2.878E-07	2.919E-07	2.330E-07	8.047E-10
101	183.00	225.00	7.636E-05	7.597E-05	7.689E-05	2.485E-07
102	4425.00	225.00	6.377E-07	6.487E-07	5.173E-07	1.147E-09
103	183.00	247.00	2.110E-04	2.099E-04	2.124E-04	4.098E-07
104	4425.00	247.00	1.672E-06	1.701E-06	1.356E-06	1.892E-09
105	183.00	270.00	9.556E-05	9.494E-05	9.613E-05	1.989E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
106	4425.00	270.00	8.144E-07	8.319E-07	6.626E-07	9.185E-10
107	183.00	293.00	3.803E-05	3.778E-05	3.826E-05	1.024E-07
108	4425.00	293.00	3.289E-07	3.362E-07	2.677E-07	4.726E-10
109	183.00	315.00	3.747E-05	3.723E-05	3.770E-05	1.117E-07
110	4425.00	315.00	3.312E-07	3.383E-07	2.695E-07	5.155E-10
111	183.00	338.00	2.645E-05	2.630E-05	2.662E-05	9.280E-08
112	4425.00	338.00	2.408E-07	2.454E-07	1.956E-07	4.284E-10
113	22536.00	203.00	2.743E-08	2.959E-08	1.834E-08	4.918E-11
114	2736.50	248.00	3.252E-06	3.287E-06	2.750E-06	4.132E-09
115	804.00	90.00	7.697E-07	7.710E-07	7.044E-07	6.008E-09
116	3703.40	23.00	3.692E-07	3.733E-07	3.040E-07	1.073E-09
117	3863.40	68.00	1.118E-07	1.126E-07	9.147E-08	8.368E-10
118	2253.60	90.00	1.625E-07	1.633E-07	1.390E-07	1.035E-09
119	4829.30	203.00	2.509E-07	2.548E-07	2.011E-07	6.806E-10
120	5634.00	203.00	1.970E-07	2.006E-07	1.552E-07	5.066E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
121	2897.50	315.00	6.238E-07	6.327E-07	5.261E-07	1.030E-09
122	2897.60	90.00	1.103E-07	1.110E-07	9.249E-08	6.929E-10
123	2735.30	247.00	3.254E-06	3.289E-06	2.751E-06	4.134E-09
124	4827.00	0.00	2.798E-07	2.847E-07	2.246E-07	6.188E-10
125	4827.00	23.00	2.444E-07	2.480E-07	1.958E-07	6.653E-10
126	4827.00	45.00	1.946E-07	1.969E-07	1.555E-07	9.804E-10
127	4827.00	68.00	7.736E-08	7.806E-08	6.172E-08	5.542E-10
128	4827.00	90.00	4.917E-08	4.972E-08	3.929E-08	2.936E-10
129	4827.00	113.00	3.827E-08	3.864E-08	3.055E-08	2.335E-10
130	4827.00	135.00	5.486E-08	5.531E-08	4.374E-08	3.412E-10
131	4827.00	158.00	7.584E-08	7.652E-08	6.050E-08	4.772E-10
132	4827.00	180.00	1.163E-07	1.176E-07	9.294E-08	5.384E-10
133	4827.00	203.00	2.511E-07	2.550E-07	2.013E-07	6.812E-10
134	4827.00	225.00	5.607E-07	5.713E-07	4.505E-07	9.713E-10
135	4827.00	247.00	1.484E-06	1.512E-06	1.192E-06	1.602E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
136	4827.00	270.00	7.187E-07	7.356E-07	5.793E-07	7.775E-10
137	4827.00	293.00	2.882E-07	2.952E-07	2.324E-07	4.001E-10
138	4827.00	315.00	2.896E-07	2.965E-07	2.335E-07	4.364E-10
139	4827.00	338.00	2.102E-07	2.146E-07	1.692E-07	3.627E-10

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DATES OF LAST X/Q ACCUMULATION ARE FROM 01/01/01 01:00 TO 01/01/02 00:00

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
1	2092.70	0.00	1.036E-06	1.045E-06	8.929E-07	2.618E-09
2	5151.20	0.00	2.670E-07	2.722E-07	2.128E-07	5.779E-10
3	1609.70	23.00	1.222E-06	1.229E-06	1.070E-06	4.190E-09
4	3702.40	23.00	3.556E-07	3.597E-07	2.928E-07	1.080E-09
5	1448.80	45.00	1.283E-06	1.288E-06	1.130E-06	7.805E-09
6	4346.20	45.00	2.404E-07	2.429E-07	1.945E-07	1.274E-09
7	3380.50	68.00	1.329E-07	1.338E-07	1.099E-07	1.046E-09
8	3860.40	68.00	1.078E-07	1.086E-07	8.819E-08	8.513E-10
9	2253.70	90.00	1.288E-07	1.293E-07	1.101E-07	8.818E-10
10	2897.60	90.00	8.704E-08	8.753E-08	7.295E-08	5.905E-10
11	7243.90	90.00	2.024E-08	2.053E-08	1.539E-08	1.188E-10
12	804.90	113.00	4.513E-07	4.520E-07	4.129E-07	3.360E-09
13	4024.40	113.00	3.898E-08	3.930E-08	3.179E-08	2.330E-10
14	4346.30	113.00	3.428E-08	3.459E-08	2.771E-08	2.011E-10
15	804.90	135.00	9.386E-07	9.400E-07	8.589E-07	7.491E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
16	965.90	135.00	7.129E-07	7.143E-07	6.445E-07	5.488E-09
17	4185.40	135.00	7.508E-08	7.566E-08	6.091E-08	4.819E-10
18	965.90	158.00	8.456E-07	8.474E-07	7.646E-07	6.206E-09
19	2413.50	158.00	2.150E-07	2.160E-07	1.830E-07	1.300E-09
20	1609.80	180.00	6.126E-07	6.151E-07	5.358E-07	3.203E-09
21	1770.70	180.00	5.314E-07	5.338E-07	4.619E-07	2.723E-09
22	1448.80	203.00	1.276E-06	1.282E-06	1.125E-06	4.408E-09
23	1931.70	203.00	8.356E-07	8.409E-07	7.230E-07	2.698E-09
24	4829.30	203.00	2.088E-07	2.120E-07	1.673E-07	5.877E-10
25	2414.60	225.00	1.334E-06	1.347E-06	1.139E-06	2.337E-09
26	3058.50	225.00	9.500E-07	9.618E-07	7.963E-07	1.619E-09
27	2092.70	248.00	5.318E-06	5.364E-06	4.584E-06	6.749E-09
28	2092.70	248.00	5.318E-06	5.364E-06	4.584E-06	6.749E-09
29	1931.70	270.00	3.159E-06	3.190E-06	2.740E-06	3.887E-09
30	1931.70	270.00	3.159E-06	3.190E-06	2.740E-06	3.887E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
31	8048.80	270.00	4.198E-07	4.366E-07	3.203E-07	3.361E-10
32	1287.80	293.00	2.713E-06	2.734E-06	2.415E-06	4.238E-09
33	2092.70	293.00	1.324E-06	1.339E-06	1.144E-06	1.851E-09
34	1287.80	315.00	2.170E-06	2.185E-06	1.930E-06	4.615E-09
35	2897.60	315.00	6.562E-07	6.654E-07	5.533E-07	1.189E-09
36	2897.60	315.00	6.562E-07	6.654E-07	5.533E-07	1.189E-09
37	965.80	338.00	2.714E-06	2.726E-06	2.458E-06	6.908E-09
38	6439.00	338.00	1.633E-07	1.679E-07	1.273E-07	2.704E-10
39	6761.00	338.00	1.523E-07	1.568E-07	1.181E-07	2.478E-10
40	1126.30	45.00	1.873E-06	1.879E-06	1.677E-06	1.200E-08
41	804.90	248.00	2.351E-05	2.358E-05	2.153E-05	3.447E-08
42	949.00	0.00	3.298E-06	3.311E-06	2.989E-06	1.010E-08
43	1255.00	23.00	1.757E-06	1.764E-06	1.563E-06	6.408E-09
44	933.00	45.00	2.486E-06	2.491E-06	2.253E-06	1.654E-08
45	788.00	68.00	1.251E-06	1.253E-06	1.147E-06	1.193E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
46	772.00	90.00	6.502E-07	6.511E-07	5.965E-07	5.488E-09

46 772.00 90.00 6.502E-07 6.511E-07 5.965E-07 5.488E-09

47	804.00	113.00	4.520E-07	4.527E-07	4.137E-07	3.367E-09
48	6600.00	113.00	1.748E-08	1.772E-08	1.344E-08	9.221E-11
49	6761.00	113.00	1.685E-08	1.708E-08	1.292E-08	8.832E-11
50	692.00	135.00	1.179E-06	1.180E-06	1.090E-06	9.695E-09
51	660.00	158.00	1.494E-06	1.496E-06	1.385E-06	1.189E-08
52	611.00	180.00	2.599E-06	2.602E-06	2.422E-06	1.673E-08
53	628.00	203.00	4.362E-06	4.368E-06	4.059E-06	1.835E-08
54	5634.00	203.00	1.636E-07	1.665E-07	1.288E-07	4.375E-10
55	6117.00	203.00	1.453E-07	1.481E-07	1.133E-07	3.777E-10
56	981.00	225.00	5.177E-06	5.199E-06	4.683E-06	1.087E-08
57	1963.00	248.00	5.874E-06	5.923E-06	5.085E-06	7.528E-09
58	1657.00	270.00	3.985E-06	4.021E-06	3.491E-06	5.050E-09
59	981.00	293.00	4.055E-06	4.078E-06	3.672E-06	6.743E-09
60	1062.00	315.00	2.882E-06	2.898E-06	2.596E-06	6.412E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
61	949.00	338.00	2.784E-06	2.796E-06	2.524E-06	7.118E-09
62	1376.00	68.00	5.335E-07	5.352E-07	4.713E-07	4.607E-09
63	1283.00	90.00	3.017E-07	3.026E-07	2.677E-07	2.306E-09
64	549.00	0.00	7.350E-06	7.356E-06	6.899E-06	2.569E-08
65	549.00	23.00	5.856E-06	5.861E-06	5.497E-06	2.627E-08
66	549.00	45.00	5.516E-06	5.519E-06	5.176E-06	4.089E-08
67	549.00	68.00	2.174E-06	2.175E-06	2.040E-06	2.210E-08
68	549.00	90.00	1.088E-06	1.089E-06	1.021E-06	9.818E-09
69	549.00	113.00	7.994E-07	7.998E-07	7.502E-07	6.456E-09
70	549.00	135.00	1.672E-06	1.673E-06	1.569E-06	1.439E-08
71	549.00	158.00	1.968E-06	1.969E-06	1.847E-06	1.627E-08
72	549.00	180.00	3.049E-06	3.051E-06	2.861E-06	2.008E-08
73	549.00	203.00	5.316E-06	5.319E-06	4.989E-06	2.309E-08
74	549.00	225.00	1.240E-05	1.242E-05	1.164E-05	2.928E-08
75	549.00	247.00	4.262E-05	4.266E-05	4.001E-05	6.622E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
76	549.00	270.00	2.125E-05	2.127E-05	1.995E-05	3.327E-08
77	549.00	293.00	9.559E-06	9.571E-06	8.975E-06	1.816E-08
78	549.00	315.00	7.618E-06	7.627E-06	7.152E-06	1.977E-08
79	549.00	338.00	6.190E-06	6.196E-06	5.810E-06	1.811E-08
80	4990.00	203.00	1.982E-07	2.014E-07	1.583E-07	5.520E-10
81	183.00	0.00	3.671E-05	3.653E-05	3.697E-05	1.675E-07
82	457.00	0.00	9.613E-06	9.612E-06	9.130E-06	3.513E-08
83	4425.00	0.00	3.387E-07	3.443E-07	2.746E-07	7.732E-10
84	4425.00	23.00	2.696E-07	2.733E-07	2.182E-07	7.907E-10
85	183.00	45.00	2.876E-05	2.866E-05	2.900E-05	2.666E-07
86	4425.00	45.00	2.336E-07	2.361E-07	1.886E-07	1.231E-09
87	183.00	68.00	1.167E-05	1.163E-05	1.177E-05	1.441E-07
88	4425.00	68.00	8.629E-08	8.704E-08	6.958E-08	6.652E-10
89	183.00	90.00	5.726E-06	5.711E-06	5.776E-06	6.401E-08
90	4425.00	90.00	4.429E-08	4.466E-08	3.570E-08	2.955E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
91	183.00	113.00	4.129E-06	4.117E-06	4.164E-06	4.209E-08
92	4425.00	113.00	3.327E-08	3.357E-08	2.683E-08	1.943E-10
93	183.00	135.00	8.769E-06	8.748E-06	8.847E-06	9.382E-08
94	4425.00	135.00	6.849E-08	6.906E-08	5.521E-08	4.331E-10
95	183.00	158.00	1.017E-05	1.015E-05	1.026E-05	1.061E-07
96	4425.00	158.00	8.333E-08	8.409E-08	6.721E-08	4.898E-10
97	183.00	180.00	1.570E-05	1.565E-05	1.584E-05	1.309E-07

96 4425.00 158.00 8.333E-08 8.409E-08 6.721E-08 4.898E-10
97 183.00 180.00 1.570E-05 1.565E-05 1.584E-05 1.309E-07

E-2 of 8

98	4425.00	180.00	1.305E-07	1.318E-07	1.053E-07	6.045E-10
99	183.00	203.00	2.675E-05	2.663E-05	2.695E-05	1.505E-07
100	4425.00	203.00	2.398E-07	2.431E-07	1.940E-07	6.949E-10
101	183.00	225.00	6.483E-05	6.449E-05	6.528E-05	1.909E-07
102	4425.00	225.00	5.574E-07	5.672E-07	4.523E-07	8.811E-10
103	183.00	247.00	2.354E-04	2.341E-04	2.370E-04	4.317E-07
104	4425.00	247.00	1.847E-06	1.880E-06	1.499E-06	1.993E-09
105	183.00	270.00	1.123E-04	1.115E-04	1.129E-04	2.169E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
106	4425.00	270.00	9.598E-07	9.806E-07	7.810E-07	1.001E-09
107	183.00	293.00	4.844E-05	4.810E-05	4.871E-05	1.184E-07
108	4425.00	293.00	4.435E-07	4.539E-07	3.613E-07	5.465E-10
109	183.00	315.00	3.844E-05	3.819E-05	3.867E-05	1.289E-07
110	4425.00	315.00	3.486E-07	3.560E-07	2.836E-07	5.951E-10
111	183.00	338.00	3.077E-05	3.059E-05	3.097E-05	1.181E-07
112	4425.00	338.00	2.880E-07	2.935E-07	2.340E-07	5.451E-10
113	22536.00	203.00	2.269E-08	2.439E-08	1.513E-08	4.247E-11
114	2736.50	248.00	3.581E-06	3.621E-06	3.028E-06	4.353E-09
115	804.00	90.00	6.115E-07	6.124E-07	5.595E-07	5.120E-09
116	3703.40	23.00	3.554E-07	3.595E-07	2.927E-07	1.079E-09
117	3863.40	68.00	1.076E-07	1.085E-07	8.807E-08	8.503E-10
118	2253.60	90.00	1.288E-07	1.293E-07	1.101E-07	8.819E-10
119	4829.30	203.00	2.088E-07	2.120E-07	1.673E-07	5.877E-10
120	5634.00	203.00	1.636E-07	1.665E-07	1.288E-07	4.375E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
121	2897.50	315.00	6.563E-07	6.654E-07	5.533E-07	1.189E-09
122	2897.60	90.00	8.704E-08	8.753E-08	7.295E-08	5.905E-10
123	2735.30	247.00	3.583E-06	3.623E-06	3.030E-06	4.356E-09
124	4827.00	0.00	2.956E-07	3.009E-07	2.374E-07	6.545E-10
125	4827.00	23.00	2.348E-07	2.383E-07	1.881E-07	6.694E-10
126	4827.00	45.00	2.032E-07	2.056E-07	1.624E-07	1.042E-09
127	4827.00	68.00	7.475E-08	7.546E-08	5.966E-08	5.631E-10
128	4827.00	90.00	3.834E-08	3.869E-08	3.059E-08	2.502E-10
129	4827.00	113.00	2.878E-08	2.906E-08	2.297E-08	1.645E-10
130	4827.00	135.00	5.935E-08	5.988E-08	4.735E-08	3.667E-10
131	4827.00	158.00	7.232E-08	7.305E-08	5.774E-08	4.146E-10
132	4827.00	180.00	1.134E-07	1.147E-07	9.061E-08	5.117E-10
133	4827.00	203.00	2.089E-07	2.121E-07	1.674E-07	5.883E-10
134	4827.00	225.00	4.908E-07	5.002E-07	3.944E-07	7.459E-10
135	4827.00	247.00	1.640E-06	1.672E-06	1.318E-06	1.687E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
136	4827.00	270.00	8.478E-07	8.679E-07	6.834E-07	8.476E-10
137	4827.00	293.00	3.890E-07	3.990E-07	3.140E-07	4.626E-10
138	4827.00	315.00	3.048E-07	3.118E-07	2.456E-07	5.037E-10
139	4827.00	338.00	2.515E-07	2.567E-07	2.023E-07	4.615E-10

P-9 : dd

DATES OF LAST X/Q ACCUMULATION ARE FROM 01/01/02 01:00 TO 01/01/03 00:00

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
1	2092.70	0.00	9.521E-07	9.587E-07	8.197E-07	2.697E-09
2	5151.20	0.00	2.478E-07	2.519E-07	1.971E-07	5.953E-10
3	1609.70	23.00	1.298E-06	1.304E-06	1.136E-06	5.160E-09
4	3702.40	23.00	3.771E-07	3.808E-07	3.102E-07	1.330E-09
5	1448.80	45.00	1.190E-06	1.194E-06	1.048E-06	8.534E-09
6	4346.20	45.00	2.206E-07	2.226E-07	1.783E-07	1.393E-09
7	3380.50	68.00	1.576E-07	1.586E-07	1.304E-07	1.159E-09
8	3860.40	68.00	1.280E-07	1.289E-07	1.047E-07	9.431E-10
9	2253.70	90.00	1.686E-07	1.693E-07	1.441E-07	1.098E-09
10	2897.60	90.00	1.142E-07	1.148E-07	9.570E-08	7.350E-10
11	7243.90	90.00	2.664E-08	2.698E-08	2.023E-08	1.478E-10
12	804.90	113.00	5.033E-07	5.041E-07	4.605E-07	4.139E-09
13	4024.40	113.00	4.444E-08	4.477E-08	3.623E-08	2.871E-10
14	4346.30	113.00	3.916E-08	3.948E-08	3.163E-08	2.477E-10
15	804.90	135.00	6.866E-07	6.874E-07	6.281E-07	6.010E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
16	965.90	135.00	5.231E-07	5.240E-07	4.728E-07	4.403E-09
17	4185.40	135.00	5.613E-08	5.649E-08	4.550E-08	3.866E-10
18	965.90	158.00	7.199E-07	7.212E-07	6.508E-07	5.911E-09
19	2413.50	158.00	1.820E-07	1.828E-07	1.549E-07	1.239E-09
20	1609.80	180.00	5.869E-07	5.894E-07	5.133E-07	3.103E-09
21	1770.70	180.00	5.101E-07	5.124E-07	4.434E-07	2.637E-09
22	1448.80	203.00	1.554E-06	1.562E-06	1.370E-06	5.361E-09
23	1931.70	203.00	1.015E-06	1.022E-06	8.785E-07	3.281E-09
24	4829.30	203.00	2.567E-07	2.607E-07	2.057E-07	7.148E-10
25	2414.60	225.00	1.402E-06	1.415E-06	1.197E-06	2.572E-09
26	3058.50	225.00	9.990E-07	1.011E-06	8.369E-07	1.781E-09
27	2092.70	248.00	4.873E-06	4.917E-06	4.202E-06	5.743E-09
28	2092.70	248.00	4.873E-06	4.917E-06	4.202E-06	5.743E-09
29	1931.70	270.00	2.461E-06	2.486E-06	2.135E-06	3.076E-09
30	1931.70	270.00	2.461E-06	2.486E-06	2.135E-06	3.076E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
31	8048.80	270.00	3.288E-07	3.422E-07	2.509E-07	2.660E-10
32	1287.80	293.00	2.537E-06	2.555E-06	2.258E-06	4.100E-09
33	2092.70	293.00	1.226E-06	1.239E-06	1.058E-06	1.791E-09
34	1287.80	315.00	1.782E-06	1.793E-06	1.584E-06	3.870E-09
35	2897.60	315.00	5.347E-07	5.414E-07	4.504E-07	9.971E-10
36	2897.60	315.00	5.347E-07	5.414E-07	4.504E-07	9.971E-10
37	965.80	338.00	2.548E-06	2.558E-06	2.307E-06	6.889E-09
38	6439.00	338.00	1.558E-07	1.596E-07	1.211E-07	2.696E-10
39	6761.00	338.00	1.454E-07	1.492E-07	1.125E-07	2.471E-10
40	1126.30	45.00	1.739E-06	1.744E-06	1.557E-06	1.312E-08
41	804.90	248.00	2.176E-05	2.183E-05	1.993E-05	2.933E-08
42	949.00	0.00	2.999E-06	3.009E-06	2.717E-06	1.040E-08
43	1255.00	23.00	1.867E-06	1.874E-06	1.660E-06	7.891E-09
44	933.00	45.00	2.309E-06	2.314E-06	2.093E-06	1.809E-08
45	788.00	68.00	1.451E-06	1.454E-06	1.330E-06	1.322E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
46	772.00	90.00	8.339E-07	8.349E-07	7.651E-07	6.831E-09

(SEC/M3) (SEC/M3) (SEC/M3) (1/M2)
46 772.00 90.00 8.339E-07 8.349E-07 7.651E-07 6.831E-09

47	804.00	113.00	5.042E-07	5.049E-07	4.613E-07	4.147E-09
48	6600.00	113.00	2.013E-08	2.038E-08	1.547E-08	1.136E-10
49	6761.00	113.00	1.941E-08	1.966E-08	1.487E-08	1.088E-10
50	692.00	135.00	8.601E-07	8.608E-07	7.947E-07	7.779E-09
51	660.00	158.00	1.275E-06	1.276E-06	1.182E-06	1.132E-08
52	611.00	180.00	2.445E-06	2.447E-06	2.278E-06	1.621E-08
53	628.00	203.00	5.356E-06	5.363E-06	4.983E-06	2.232E-08
54	5634.00	203.00	2.021E-07	2.057E-07	1.591E-07	5.321E-10
55	6117.00	203.00	1.797E-07	1.833E-07	1.402E-07	4.594E-10
56	981.00	225.00	5.505E-06	5.527E-06	4.979E-06	1.196E-08
57	1963.00	248.00	5.387E-06	5.433E-06	4.663E-06	6.405E-09
58	1657.00	270.00	3.100E-06	3.128E-06	2.716E-06	3.997E-09
59	981.00	293.00	3.813E-06	3.833E-06	3.452E-06	6.524E-09
60	1062.00	315.00	2.374E-06	2.386E-06	2.138E-06	5.377E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
61	949.00	338.00	2.615E-06	2.625E-06	2.370E-06	7.098E-09
62	1376.00	68.00	6.251E-07	6.270E-07	5.521E-07	5.105E-09
63	1283.00	90.00	3.908E-07	3.918E-07	3.467E-07	2.871E-09
64	549.00	0.00	6.637E-06	6.642E-06	6.229E-06	2.646E-08
65	549.00	23.00	6.246E-06	6.249E-06	5.862E-06	3.235E-08
66	549.00	45.00	5.131E-06	5.133E-06	4.814E-06	4.471E-08
67	549.00	68.00	2.506E-06	2.507E-06	2.352E-06	2.449E-08
68	549.00	90.00	1.387E-06	1.387E-06	1.301E-06	1.222E-08
69	549.00	113.00	8.884E-07	8.887E-07	8.336E-07	7.953E-09
70	549.00	135.00	1.215E-06	1.215E-06	1.140E-06	1.155E-08
71	549.00	158.00	1.681E-06	1.682E-06	1.578E-06	1.550E-08
72	549.00	180.00	2.862E-06	2.863E-06	2.686E-06	1.945E-08
73	549.00	203.00	6.535E-06	6.540E-06	6.134E-06	2.808E-08
74	549.00	225.00	1.329E-05	1.330E-05	1.247E-05	3.221E-08
75	549.00	247.00	3.961E-05	3.964E-05	3.718E-05	5.634E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
76	549.00	270.00	1.634E-05	1.636E-05	1.534E-05	2.633E-08
77	549.00	293.00	9.097E-06	9.107E-06	8.541E-06	1.757E-08
78	549.00	315.00	6.346E-06	6.352E-06	5.957E-06	1.658E-08
79	549.00	338.00	5.882E-06	5.887E-06	5.521E-06	1.806E-08
80	4990.00	203.00	2.440E-07	2.479E-07	1.948E-07	6.714E-10
81	183.00	0.00	3.268E-05	3.254E-05	3.293E-05	1.725E-07
82	457.00	0.00	8.660E-06	8.660E-06	8.225E-06	3.619E-08
83	4425.00	0.00	3.139E-07	3.184E-07	2.541E-07	7.965E-10
84	4425.00	23.00	2.861E-07	2.895E-07	2.312E-07	9.736E-10
85	183.00	45.00	2.682E-05	2.674E-05	2.705E-05	2.915E-07
86	4425.00	45.00	2.142E-07	2.162E-07	1.728E-07	1.346E-09
87	183.00	68.00	1.318E-05	1.315E-05	1.330E-05	1.596E-07
88	4425.00	68.00	1.025E-07	1.034E-07	8.266E-08	7.370E-10
89	183.00	90.00	7.143E-06	7.125E-06	7.207E-06	7.967E-08
90	4425.00	90.00	5.821E-08	5.868E-08	4.691E-08	3.678E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
91	183.00	113.00	4.540E-06	4.528E-06	4.580E-06	5.185E-08
92	4425.00	113.00	3.802E-08	3.834E-08	3.065E-08	2.394E-10
93	183.00	135.00	6.248E-06	6.235E-06	6.305E-06	7.528E-08
94	4425.00	135.00	5.119E-08	5.154E-08	4.122E-08	3.475E-10
95	183.00	158.00	8.749E-06	8.728E-06	8.827E-06	1.011E-07
96	4425.00	158.00	7.004E-08	7.058E-08	5.643E-08	4.665E-10
97	183.00	180.00	1.443E-05	1.439E-05	1.455E-05	1.268E-07

96 4425.00 158.00 7.004E-08 7.058E-08 5.643E-08 4.665E-10
97 183.00 180.00 1.443E-05 1.439E-05 1.455E-05 1.268E-07

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98	4425.00	180.00	1.268E-07	1.282E-07	1.024E-07	5.855E-10
99	183.00	203.00	3.322E-05	3.308E-05	3.347E-05	1.831E-07
100	4425.00	203.00	2.941E-07	2.982E-07	2.380E-07	8.452E-10
101	183.00	225.00	7.044E-05	7.008E-05	7.093E-05	2.100E-07
102	4425.00	225.00	5.872E-07	5.970E-07	4.762E-07	9.696E-10
103	183.00	247.00	2.212E-04	2.200E-04	2.227E-04	3.673E-07
104	4425.00	247.00	1.702E-06	1.733E-06	1.382E-06	1.696E-09
105	183.00	270.00	8.535E-05	8.479E-05	8.586E-05	1.716E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
106	4425.00	270.00	7.542E-07	7.706E-07	6.138E-07	7.924E-10
107	183.00	293.00	4.715E-05	4.684E-05	4.743E-05	1.145E-07
108	4425.00	293.00	4.148E-07	4.239E-07	3.376E-07	5.287E-10
109	183.00	315.00	3.261E-05	3.243E-05	3.282E-05	1.081E-07
110	4425.00	315.00	2.862E-07	2.917E-07	2.325E-07	4.990E-10
111	183.00	338.00	2.993E-05	2.978E-05	3.014E-05	1.178E-07
112	4425.00	338.00	2.707E-07	2.752E-07	2.195E-07	5.436E-10
113	22536.00	203.00	2.864E-08	3.086E-08	1.914E-08	5.166E-11
114	2736.50	248.00	3.281E-06	3.318E-06	2.775E-06	3.704E-09
115	804.00	90.00	7.848E-07	7.859E-07	7.182E-07	6.373E-09
116	3703.40	23.00	3.769E-07	3.806E-07	3.101E-07	1.329E-09
117	3863.40	68.00	1.278E-07	1.287E-07	1.045E-07	9.420E-10
118	2253.60	90.00	1.686E-07	1.693E-07	1.441E-07	1.098E-09
119	4829.30	203.00	2.567E-07	2.607E-07	2.057E-07	7.148E-10
120	5634.00	203.00	2.021E-07	2.057E-07	1.591E-07	5.321E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
121	2897.50	315.00	5.347E-07	5.415E-07	4.504E-07	9.972E-10
122	2897.60	90.00	1.142E-07	1.148E-07	9.570E-08	7.350E-10
123	2735.30	247.00	3.283E-06	3.320E-06	2.777E-06	3.706E-09
124	4827.00	0.00	2.742E-07	2.784E-07	2.197E-07	6.743E-10
125	4827.00	23.00	2.493E-07	2.525E-07	1.994E-07	8.242E-10
126	4827.00	45.00	1.860E-07	1.878E-07	1.485E-07	1.139E-09
127	4827.00	68.00	8.888E-08	8.970E-08	7.092E-08	6.239E-10
128	4827.00	90.00	5.039E-08	5.083E-08	4.019E-08	3.114E-10
129	4827.00	113.00	3.295E-08	3.325E-08	2.629E-08	2.026E-10
130	4827.00	135.00	4.433E-08	4.467E-08	3.533E-08	2.942E-10
131	4827.00	158.00	6.072E-08	6.123E-08	4.842E-08	3.950E-10
132	4827.00	180.00	1.102E-07	1.115E-07	8.809E-08	4.957E-10
133	4827.00	203.00	2.569E-07	2.609E-07	2.059E-07	7.155E-10
134	4827.00	225.00	5.176E-07	5.271E-07	4.157E-07	8.208E-10
135	4827.00	247.00	1.514E-06	1.544E-06	1.217E-06	1.436E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
136	4827.00	270.00	6.661E-07	6.820E-07	5.370E-07	6.708E-10
137	4827.00	293.00	3.650E-07	3.737E-07	2.943E-07	4.476E-10
138	4827.00	315.00	2.508E-07	2.561E-07	2.018E-07	4.224E-10
139	4827.00	338.00	2.374E-07	2.418E-07	1.907E-07	4.602E-10

E-20808

DATES OF LAST X/Q ACCUMULATION ARE FROM 01/01/03 01:00 TO 01/01/04 00:00

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
1	2092.70	0.00	8.730E-07	8.792E-07	7.517E-07	2.422E-09
2	5151.20	0.00	2.233E-07	2.271E-07	1.777E-07	5.346E-10
3	1609.70	23.00	1.133E-06	1.139E-06	9.917E-07	4.249E-09
4	3702.40	23.00	3.292E-07	3.326E-07	2.709E-07	1.095E-09
5	1448.80	45.00	1.096E-06	1.100E-06	9.650E-07	7.470E-09
6	4346.20	45.00	2.037E-07	2.054E-07	1.646E-07	1.219E-09
7	3380.50	68.00	1.640E-07	1.651E-07	1.357E-07	1.146E-09
8	3860.40	68.00	1.333E-07	1.343E-07	1.091E-07	9.326E-10
9	2253.70	90.00	1.678E-07	1.687E-07	1.436E-07	1.045E-09
10	2897.60	90.00	1.142E-07	1.150E-07	9.579E-08	6.998E-10
11	7243.90	90.00	2.721E-08	2.770E-08	2.074E-08	1.407E-10
12	804.90	113.00	5.137E-07	5.144E-07	4.700E-07	4.349E-09
13	4024.40	113.00	4.459E-08	4.492E-08	3.635E-08	3.016E-10
14	4346.30	113.00	3.923E-08	3.955E-08	3.169E-08	2.603E-10
15	804.90	135.00	6.821E-07	6.830E-07	6.241E-07	5.823E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
16	965.90	135.00	5.197E-07	5.207E-07	4.698E-07	4.266E-09
17	4185.40	135.00	5.552E-08	5.594E-08	4.504E-08	3.746E-10
18	965.90	158.00	6.175E-07	6.186E-07	5.582E-07	5.173E-09
19	2413.50	158.00	1.582E-07	1.589E-07	1.347E-07	1.084E-09
20	1609.80	180.00	4.863E-07	4.883E-07	4.253E-07	2.436E-09
21	1770.70	180.00	4.230E-07	4.248E-07	3.676E-07	2.071E-09
22	1448.80	203.00	1.633E-06	1.640E-06	1.439E-06	5.729E-09
23	1931.70	203.00	1.072E-06	1.078E-06	9.271E-07	3.507E-09
24	4829.30	203.00	2.674E-07	2.711E-07	2.141E-07	7.639E-10
25	2414.60	225.00	1.812E-06	1.827E-06	1.547E-06	3.411E-09
26	3058.50	225.00	1.289E-06	1.304E-06	1.080E-06	2.363E-09
27	2092.70	248.00	4.283E-06	4.321E-06	3.692E-06	5.618E-09
28	2092.70	248.00	4.283E-06	4.321E-06	3.692E-06	5.618E-09
29	1931.70	270.00	2.256E-06	2.279E-06	1.957E-06	3.066E-09
30	1931.70	270.00	2.256E-06	2.279E-06	1.957E-06	3.066E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
31	8048.80	270.00	2.923E-07	3.041E-07	2.231E-07	2.650E-10
32	1287.80	293.00	2.295E-06	2.310E-06	2.041E-06	4.519E-09
33	2092.70	293.00	1.123E-06	1.134E-06	9.685E-07	1.974E-09
34	1287.80	315.00	2.324E-06	2.338E-06	2.066E-06	5.641E-09
35	2897.60	315.00	7.055E-07	7.144E-07	5.943E-07	1.454E-09
36	2897.60	315.00	7.055E-07	7.144E-07	5.943E-07	1.454E-09
37	965.80	338.00	2.346E-06	2.355E-06	2.124E-06	7.042E-09
38	6439.00	338.00	1.396E-07	1.429E-07	1.085E-07	2.756E-10
39	6761.00	338.00	1.302E-07	1.335E-07	1.006E-07	2.526E-10
40	1126.30	45.00	1.596E-06	1.599E-06	1.428E-06	1.148E-08
41	804.90	248.00	1.867E-05	1.873E-05	1.710E-05	2.869E-08
42	949.00	0.00	2.769E-06	2.778E-06	2.508E-06	9.339E-09
43	1255.00	23.00	1.627E-06	1.634E-06	1.448E-06	6.498E-09
44	933.00	45.00	2.113E-06	2.117E-06	1.914E-06	1.583E-08
45	788.00	68.00	1.466E-06	1.468E-06	1.343E-06	1.307E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
46	772.00	90.00	8.298E-07	8.312E-07	7.616E-07	6.503E-09

(SEC/M3) (SEC/M3) (SEC/M3) (1/M2)
46 772.00 90.00 8.298E-07 8.312E-07 7.616E-07 6.503E-09

47	804.00	113.00	5.146E-07	5.153E-07	4.709E-07	4.358E-09
48	6600.00	113.00	2.005E-08	2.030E-08	1.541E-08	1.193E-10
49	6761.00	113.00	1.933E-08	1.957E-08	1.481E-08	1.143E-10
50	692.00	135.00	8.544E-07	8.553E-07	7.896E-07	7.536E-09
51	660.00	158.00	1.088E-06	1.089E-06	1.008E-06	9.909E-09
52	611.00	180.00	2.011E-06	2.013E-06	1.874E-06	1.273E-08
53	628.00	203.00	5.548E-06	5.555E-06	5.162E-06	2.386E-08
54	5634.00	203.00	2.093E-07	2.127E-07	1.647E-07	5.687E-10
55	6117.00	203.00	1.860E-07	1.892E-07	1.449E-07	4.910E-10
56	981.00	225.00	7.064E-06	7.092E-06	6.389E-06	1.587E-08
57	1963.00	248.00	4.727E-06	4.766E-06	4.091E-06	6.267E-09
58	1657.00	270.00	2.838E-06	2.864E-06	2.486E-06	3.983E-09
59	981.00	293.00	3.426E-06	3.442E-06	3.100E-06	7.190E-09
60	1062.00	315.00	3.081E-06	3.096E-06	2.774E-06	7.839E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
61	949.00	338.00	2.407E-06	2.416E-06	2.181E-06	7.256E-09
62	1376.00	68.00	6.400E-07	6.419E-07	5.653E-07	5.048E-09
63	1283.00	90.00	3.889E-07	3.902E-07	3.452E-07	2.733E-09
64	549.00	0.00	6.154E-06	6.159E-06	5.776E-06	2.377E-08
65	549.00	23.00	5.417E-06	5.420E-06	5.084E-06	2.664E-08
66	549.00	45.00	4.658E-06	4.660E-06	4.371E-06	3.913E-08
67	549.00	68.00	2.509E-06	2.510E-06	2.355E-06	2.421E-08
68	549.00	90.00	1.380E-06	1.381E-06	1.295E-06	1.164E-08
69	549.00	113.00	9.091E-07	9.095E-07	8.531E-07	8.356E-09
70	549.00	135.00	1.207E-06	1.207E-06	1.132E-06	1.119E-08
71	549.00	158.00	1.430E-06	1.431E-06	1.342E-06	1.357E-08
72	549.00	180.00	2.353E-06	2.354E-06	2.208E-06	1.527E-08
73	549.00	203.00	6.754E-06	6.759E-06	6.339E-06	3.001E-08
74	549.00	225.00	1.698E-05	1.699E-05	1.594E-05	4.272E-08
75	549.00	247.00	3.366E-05	3.369E-05	3.160E-05	5.512E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
76	549.00	270.00	1.482E-05	1.484E-05	1.392E-05	2.624E-08
77	549.00	293.00	8.053E-06	8.062E-06	7.560E-06	1.936E-08
78	549.00	315.00	8.090E-06	8.098E-06	7.595E-06	2.417E-08
79	549.00	338.00	5.349E-06	5.353E-06	5.021E-06	1.846E-08
80	4990.00	203.00	2.539E-07	2.575E-07	2.025E-07	7.175E-10
81	183.00	0.00	3.058E-05	3.045E-05	3.081E-05	1.549E-07
82	457.00	0.00	8.043E-06	8.042E-06	7.639E-06	3.250E-08
83	4425.00	0.00	2.838E-07	2.879E-07	2.298E-07	7.153E-10
84	4425.00	23.00	2.493E-07	2.523E-07	2.015E-07	8.018E-10
85	183.00	45.00	2.396E-05	2.390E-05	2.417E-05	2.551E-07
86	4425.00	45.00	1.978E-07	1.995E-07	1.595E-07	1.178E-09
87	183.00	68.00	1.285E-05	1.282E-05	1.297E-05	1.579E-07
88	4425.00	68.00	1.068E-07	1.078E-07	8.614E-08	7.288E-10
89	183.00	90.00	7.108E-06	7.086E-06	7.168E-06	7.586E-08
90	4425.00	90.00	5.884E-08	5.947E-08	4.751E-08	3.502E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
91	183.00	113.00	4.682E-06	4.670E-06	4.723E-06	5.448E-08
92	4425.00	113.00	3.808E-08	3.839E-08	3.069E-08	2.515E-10
93	183.00	135.00	6.207E-06	6.192E-06	6.263E-06	7.293E-08
94	4425.00	135.00	5.061E-08	5.102E-08	4.079E-08	3.367E-10
95	183.00	158.00	7.324E-06	7.306E-06	7.389E-06	8.845E-08
96	4425.00	158.00	6.087E-08	6.135E-08	4.905E-08	4.083E-10
97	183.00	180.00	1.177E-05	1.173E-05	1.187E-05	9.958E-08

96 4425.00 158.00 6.087E-08 6.135E-08 4.905E-08 4.083E-10
97 183.00 180.00 1.177E-05 1.173E-05 1.187E-05 9.958E-08

E-28188

98	4425.00	180.00	1.049E-07	1.059E-07	8.466E-08	4.597E-10
99	183.00	203.00	3.371E-05	3.358E-05	3.397E-05	1.956E-07
100	4425.00	203.00	3.073E-07	3.112E-07	2.484E-07	9.032E-10
101	183.00	225.00	8.928E-05	8.885E-05	8.992E-05	2.785E-07
102	4425.00	225.00	7.563E-07	7.687E-07	6.132E-07	1.286E-09
103	183.00	247.00	1.829E-04	1.819E-04	1.841E-04	3.594E-07
104	4425.00	247.00	1.484E-06	1.510E-06	1.204E-06	1.659E-09
105	183.00	270.00	7.674E-05	7.623E-05	7.719E-05	1.710E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
106	4425.00	270.00	6.791E-07	6.938E-07	5.526E-07	7.896E-10
107	183.00	293.00	4.060E-05	4.035E-05	4.085E-05	1.262E-07
108	4425.00	293.00	3.727E-07	3.803E-07	3.030E-07	5.828E-10
109	183.00	315.00	4.037E-05	4.014E-05	4.064E-05	1.576E-07
110	4425.00	315.00	3.725E-07	3.796E-07	3.026E-07	7.274E-10
111	183.00	338.00	2.657E-05	2.644E-05	2.676E-05	1.204E-07
112	4425.00	338.00	2.469E-07	2.509E-07	2.002E-07	5.557E-10
113	22536.00	203.00	2.904E-08	3.102E-08	1.929E-08	5.521E-11
114	2736.50	248.00	2.888E-06	2.920E-06	2.443E-06	3.623E-09
115	804.00	90.00	7.810E-07	7.824E-07	7.149E-07	6.068E-09
116	3703.40	23.00	3.290E-07	3.324E-07	2.708E-07	1.094E-09
117	3863.40	68.00	1.332E-07	1.341E-07	1.089E-07	9.315E-10
118	2253.60	90.00	1.678E-07	1.687E-07	1.436E-07	1.045E-09
119	4829.30	203.00	2.674E-07	2.711E-07	2.141E-07	7.639E-10
120	5634.00	203.00	2.093E-07	2.127E-07	1.647E-07	5.687E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
121	2897.50	315.00	7.056E-07	7.145E-07	5.943E-07	1.454E-09
122	2897.60	90.00	1.142E-07	1.150E-07	9.579E-08	6.998E-10
123	2735.30	247.00	2.890E-06	2.922E-06	2.444E-06	3.626E-09
124	4827.00	0.00	2.474E-07	2.513E-07	1.984E-07	6.055E-10
125	4827.00	23.00	2.169E-07	2.198E-07	1.736E-07	6.788E-10
126	4827.00	45.00	1.715E-07	1.731E-07	1.369E-07	9.970E-10
127	4827.00	68.00	9.259E-08	9.345E-08	7.388E-08	6.170E-10
128	4827.00	90.00	5.106E-08	5.167E-08	4.082E-08	2.965E-10
129	4827.00	113.00	3.295E-08	3.325E-08	2.629E-08	2.129E-10
130	4827.00	135.00	4.379E-08	4.418E-08	3.493E-08	2.850E-10
131	4827.00	158.00	5.274E-08	5.319E-08	4.207E-08	3.457E-10
132	4827.00	180.00	9.107E-08	9.208E-08	7.276E-08	3.892E-10
133	4827.00	203.00	2.676E-07	2.713E-07	2.142E-07	7.646E-10
134	4827.00	225.00	6.661E-07	6.781E-07	5.348E-07	1.089E-09
135	4827.00	247.00	1.316E-06	1.342E-06	1.058E-06	1.404E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
136	4827.00	270.00	5.979E-07	6.121E-07	4.820E-07	6.685E-10
137	4827.00	293.00	3.263E-07	3.336E-07	2.628E-07	4.933E-10
138	4827.00	315.00	3.251E-07	3.319E-07	2.616E-07	6.158E-10
139	4827.00	338.00	2.154E-07	2.192E-07	1.729E-07	4.705E-10

WINDOW OUTPUT

1PPL YEAR 1999 DT 60-10A 8-NOV-04

PAGE 37

0

DIRECTION	CENTERLINE XQ GROUND	CENTERLINE XQ ELEVATED	AVERAGE XQ GROUND	AVERAGE XQ ELEVATED
N	0.595044E-05	0.361482E-06	0.333039E-05	0.131528E-06
NNE	0.961078E-05	0.682873E-06	0.562891E-05	0.224930E-06
NE	0.218802E-04	0.191493E-05	0.130911E-04	0.532499E-06
ENE	0.656656E-04	0.684914E-05	0.388080E-04	0.154642E-05
E	0.303730E-04	0.291804E-05	0.181718E-04	0.743931E-06
ESE	0.155288E-04	0.137192E-05	0.938510E-05	0.382966E-06
SE	0.108885E-04	0.893614E-06	0.659711E-05	0.270651E-06
SSE	0.746138E-05	0.568093E-06	0.455684E-05	0.184999E-06
S	0.932605E-05	0.700604E-06	0.572044E-05	0.236109E-06
SSW	0.904028E-05	0.617967E-06	0.552732E-05	0.224474E-06
SW	0.952101E-05	0.590249E-06	0.555319E-05	0.218107E-06
WSW	0.412751E-05	0.226034E-06	0.234893E-05	0.884742E-07
W	0.224866E-05	0.123850E-06	0.128078E-05	0.485229E-07
WNW	0.135431E-05	0.706465E-07	0.755756E-06	0.285886E-07
NW	0.247935E-05	0.130563E-06	0.134960E-05	0.527526E-07
NNW	0.292027E-05	0.151917E-06	0.155476E-05	0.593248E-07

1PPL YEAR 2000 DT 60-10A 8-NOV-04

PAGE 37

0

DIRECTION	CENTERLINE XQ GROUND	CENTERLINE XQ ELEVATED	AVERAGE XQ GROUND	AVERAGE XQ ELEVATED
N	0.532266E-05	0.305047E-06	0.303530E-05	0.118720E-06
NNE	0.103777E-04	0.730370E-06	0.628921E-05	0.254055E-06
NE	0.233946E-04	0.199165E-05	0.141377E-04	0.572201E-06
ENE	0.621669E-04	0.623732E-05	0.369324E-04	0.149796E-05
E	0.294923E-04	0.270053E-05	0.177433E-04	0.735832E-06
ESE	0.120353E-04	0.972549E-06	0.737394E-05	0.300066E-06
SE	0.120058E-04	0.937959E-06	0.734660E-05	0.302023E-06
SSE	0.854132E-05	0.639906E-06	0.525340E-05	0.217411E-06
S	0.113915E-04	0.848631E-06	0.697512E-05	0.288544E-06
SSW	0.100333E-04	0.711005E-06	0.615356E-05	0.250536E-06
SW	0.867991E-05	0.501137E-06	0.513929E-05	0.196132E-06
WSW	0.373585E-05	0.184981E-06	0.212646E-05	0.780072E-07
W	0.235150E-05	0.127660E-06	0.132857E-05	0.504276E-07
WNW	0.186507E-05	0.946712E-07	0.103050E-05	0.390268E-07
NW	0.275293E-05	0.138051E-06	0.145531E-05	0.563071E-07
NNW	0.365361E-05	0.182892E-06	0.192701E-05	0.744381E-07

1PPL YEAR 2001 DT 60-10A 8-NOV-04

PAGE 37

0

DIRECTION	CENTERLINE XQ GROUND	CENTERLINE XQ ELEVATED	AVERAGE XQ GROUND	AVERAGE XQ ELEVATED
N	0.517337E-05	0.306320E-06	0.296077E-05	0.115529E-06
NNE	0.876360E-05	0.609154E-06	0.530578E-05	0.214987E-06
NE	0.202431E-04	0.178605E-05	0.122130E-04	0.500711E-06
ENE	0.685598E-04	0.695267E-05	0.407176E-04	0.165060E-05
E	0.348700E-04	0.327299E-05	0.209464E-04	0.868119E-06
ESE	0.159016E-04	0.132857E-05	0.969833E-05	0.406373E-06
SE	0.124997E-04	0.966310E-06	0.766783E-05	0.317319E-06

ESE 0.159016E-04 0.132857E-05 0.969833E-05 0.406373E-06

SSE	0.102297E-04	0.765161E-06	0.629902E-05	0.262401E-06
S	0.119360E-04	0.876159E-06	0.737030E-05	0.303460E-06
SSW	0.962424E-05	0.666904E-06	0.590559E-05	0.241158E-06
SW	0.911137E-05	0.552986E-06	0.541298E-05	0.206206E-06
WSW	0.354930E-05	0.182201E-06	0.207691E-05	0.752263E-07
W	0.185594E-05	0.946385E-07	0.104407E-05	0.388944E-07
WNW	0.135935E-05	0.693232E-07	0.774418E-06	0.293359E-07
NW	0.294382E-05	0.152590E-06	0.159369E-05	0.603055E-07
NNW	0.350148E-05	0.193728E-06	0.190065E-05	0.735387E-07

1PPL YEAR 2002 DT 60-10A 8-NOV-04
PAGE 37
0

	CENTERLINE XQ		AVERAGE XQ	
DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED
N	0.500869E-05	0.306754E-06	0.286053E-05	0.114026E-06
NNE	0.109450E-04	0.794343E-06	0.649206E-05	0.264617E-06
NE	0.216164E-04	0.193147E-05	0.129597E-04	0.528391E-06
ENE	0.638027E-04	0.661565E-05	0.377329E-04	0.152580E-05
E	0.270313E-04	0.251236E-05	0.162322E-04	0.684855E-06
ESE	0.149830E-04	0.130833E-05	0.905907E-05	0.376569E-06
SE	0.102577E-04	0.820533E-06	0.623564E-05	0.256379E-06
SSE	0.973791E-05	0.779638E-06	0.586647E-05	0.243324E-06
S	0.111305E-04	0.821891E-06	0.670843E-05	0.280680E-06
SSW	0.104988E-04	0.722366E-06	0.628751E-05	0.256259E-06
SW	0.866229E-05	0.490506E-06	0.501638E-05	0.188173E-06
WSW	0.432113E-05	0.229393E-06	0.242023E-05	0.903137E-07
W	0.239223E-05	0.124716E-06	0.133458E-05	0.512202E-07
WNW	0.160022E-05	0.846236E-07	0.862397E-06	0.336968E-07
NW	0.223720E-05	0.112913E-06	0.117163E-05	0.452726E-07
NNW	0.305805E-05	0.159326E-06	0.161976E-05	0.618825E-07

1PPL YEAR 2003 DT 60-10A 8-Nov-04 PAGE 37
0

	CENTERLINE XQ		AVERAGE XQ	
DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED
N	4.10E-06	2.45E-07	2.33E-06	9.35E-08
NNE	1.13E-05	7.77E-07	6.75E-06	2.75E-07
NE	2.77E-05	2.43E-06	1.65E-05	6.77E-07
ENE	5.49E-05	5.48E-06	3.27E-05	1.33E-06
E	2.44E-05	2.16E-06	1.47E-05	6.16E-07
ESE	1.34E-05	1.07E-06	8.12E-06	3.38E-07
SE	1.34E-05	9.99E-07	8.14E-06	3.37E-07
SSE	8.90E-06	6.51E-07	5.40E-06	2.23E-07
S	1.01E-05	7.20E-07	6.18E-06	2.54E-07
SSW	9.03E-06	5.99E-07	5.49E-06	2.23E-07
SW	8.10E-06	4.37E-07	4.58E-06	1.75E-07
WSW	4.42E-06	2.35E-07	2.46E-06	9.45E-08
W	2.44E-06	1.37E-07	1.37E-06	5.32E-08
WNW	1.58E-06	8.08E-08	8.78E-07	3.35E-08
NW	2.19E-06	1.10E-07	1.18E-06	4.52E-08
NNW	2.61E-06	1.36E-07	1.39E-06	5.40E-08

WINDOW INPUT

1818

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*************************************************
                                        *
*
                                        *    PPL YEAR 1999 DT 60-10A
                                        *    REQUEST NUMBER PPL YEAR 199
                                        *    PERIOD OF RECORD  99 1 1 1 0 TO 99123124 0
                                        *    COMPUTER RUN OF   8-NOV-04□□□
                                        *    TAPE 3 SAVE FILE  FILE3NAME
*                                          *

*************************************************
1PPL YEAR 1999 DT 60-10A            8-NOV-04□□□
PAGE      1
0DILUTION PROCESSING SELECTED

 WINDOW OPTION SELECTED
 NRTS OPTION IS  0   DISTANCE EXPONENTS FOR SIGMA Y      0.00      0.00
0ELEVATER X/Q COMPUTED FOR PEAK BEYOND DISTANCE READ IN
0NO PLUME RISE SELECTED
0SPEED LESS THAN  0.0 USE ELEVATED EQUATIONS FOR GROUND COMPUTATION
0BRANCH TECNICAL POSITION PROCESSING FOR MEANDER SELECTED
0FOR HORIZONTAL DIFFUSION
 PASQUILL DIFFUSION SELECTED
0FOR VERTICAL DIFFUSION
 PASQUILL DIFFUSION SELECTED
0CALMS PROCESSING ----    2
  CALM       SPEED        DIRECTION       DIFFUSION       SPEED GROUP     FACTOR
    1        CARDS          CALM HR         CARDS           CARDS         YES
    2        CARDS          CALM HR         CALM HR         CARDS         NO
    3    NON CALM HR    NON CALM HR     NON CALM HR     NON CALM HR       NO
    4        CARDS      NON CALM HR         CARDS           CARDS         YES
    5        CARDS      NON CALM HR         CALM HR         CARDS         NO

0 CENTERLINE, AVERAGE CUT OFF AT   8 HOURS
1PPL YEAR 1999 DT 60-10A            8-NOV-04□□□
PAGE      2
0 WINDOW LENGTHS SELECTED
         1         2         8         16        72        624
0SPEEDS EXCLUDED LT     0
0GROUP SPEED UPPER LIMIT
     1        0.5
     2        3.5
     3        7.5
     4       12.5
     5      999.0

0GROUP UPPER TEMPERATURE LIMIT
     1       -10
     2        -9
     3        -8
     4        -3
     5         8
     6        24
     7        24+
0GROUP RANGE UPPER LIMIT
     7        12


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0GROUP RANGE UPPER LIMIT
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F-32888

2818

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     6        22
     5        45
     4        75
     3       105
     2       135
     1       360
0GROUP S UPPER LIMITS
     7       0.0
     6       0.0
     5       0.0
     4       0.0
     3       0.0
     2       0.0
     1 GT    0.0
 SITE SQ
 MET SELECTION
 SPEED          1
 DIRECTION      1
 DELTE TEMP     1
 DRY BULB       1
 DEW POINT
1PPL YEAR 1999 DT 60-10A              8-NOV-04
PAGE      3


                                PASQUILL GROUPS
 WIND GROUP                       TEMPERATURE GROUP
                     A        B        C        D        E        F        G
         1           1        2        3        4        5        6        7
         2           1        2        3        4        5        6        7
         3           1        2        3        4        5        6        7
         4           1        2        3        4        5        6        7
         5           1        2        3        4        5        6        7

 QUANTIZATION LEVELS
   0.100000E-09   0.350000E-08   0.100000E-07   0.250000E-07   0.700000E-07   0.100000E-
06   0.150000E-06
   0.220000E-06   0.320000E-06   0.480000E-06   0.700000E-06   0.100000E-05   0.150000E-
05   0.200000E-05
   0.300000E-05   0.400000E-05   0.500000E-05   0.700000E-05   0.850000E-05   0.100000E-
04   0.150000E-04
   0.200000E-04   0.250000E-04   0.300000E-04   0.350000E-04   0.400000E-04   0.500000E-
04   0.600000E-04
   0.700000E-04   0.850000E-04   0.100000E-03   0.130000E-03   0.170000E-03   0.200000E-
03   0.250000E-03
   0.300000E-03   0.350000E-03   0.400000E-03   0.500000E-03   0.600000E-03   0.700000E-
03   0.850000E-03
   0.100000E-02   0.140000E-02   0.200000E-02   0.300000E-02   0.400000E-02
0   UPPER HEIGHT   LOWER HEIGHT   EXPONENTS FOR SPEED CORRECTION      EXPONENTS FOR RANGE
CORRECTION
          33.0           33.0 0.250 0.250 0.250 0.330 0.500 0.500 0.500      0.000 0.000
0.000 0.000 0.000 0.000 0.000
0EXPONENTIAL SPEED CORRECTION TO BE PERFORMED
 PASQUILL DIFFUSION GROUPS USED AS EXPONENT SELECTOR
0DELTA TEMPERATURE CORRECTION =    0.100000E+01
0 BUILDING WAKE LIMIT ON X/Q SET TO 1/3


0DELTA TEMPERATURE CORRECTION =    0.100000E+01
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E-30288

3818

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 SIGMA REDUCTION FACTORS 1.00 1.00
0FUMIGATION OFF
1PPL YEAR 1999 DT 60-10A              8-NOV-04
PAGE      4
 HORIZONTAL DIFFUSION COEFFICIENTS GROUND RELEASE(SIGY, NO DELTA DISTANCE)
  N      0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
 NNE     0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
 NE      0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
 ENE     0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
  E      0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
 ESE     0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
 SE      0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
 SSE     0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
  S      0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
 SSW     0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
 SW      0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
 WSW     0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
  W      0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
 WNW     0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
 NW      0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
 NNW     0.117820E+03    0.868600E+02    0.629000E+02    0.423320E+02    0.309460E+02
0.219600E+02    0.144800E+02    0.544100E+02
0VERTICAL DIFFUSION COEFFICIENTS(LE.  8) GROUND RELEASE(SIG24, NO DELTA DISTANCE)
  N      0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
 NNE     0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
 NE      0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
 ENE     0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
  E      0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
 ESE     0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
 SE      0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
 SSE     0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
  S      0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
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0.898600E+01   0.579200E+01   0.299500E+02

E-34 A98

4818

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 SSW     0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
 SW      0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
 WSW     0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
  W      0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
 WNW     0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
 NW      0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
 NNW     0.144500E+03    0.618600E+02    0.374340E+02    0.204700E+02    0.140800E+02
0.898600E+01    0.579200E+01    0.299500E+02
0VERTICAL DIFFUSION COEFFICIENTS(GT.  8) GROUND RELEASE(SIGAV, WITH DELTA DISTANCE)
  N      0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
 NNE     0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
 NE      0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
 ENE     0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
  E      0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
 ESE     0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
 SE      0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
 SSE     0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
  S      0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
 SSW     0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
 SW      0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
 WSW     0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
  W      0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
 WNW     0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
 NW      0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02
 NNW     0.146469E+03    0.663296E+02    0.444327E+02    0.314957E+02    0.243866E+02
0.155638E+02    0.100317E+02    0.383401E+02

1PPL YEAR 1999 DT 60-10A              8-NOV-04
PAGE      5
0HORIZONTAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(SIYEL, NO DELTA DISTANCE)
  N      0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
 NNE     0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
 NE      0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03


 NE      0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
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E-33 of 88

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 ENE     0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
  E      0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
 ESE     0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
 SE      0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
 SSE     0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
  S      0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
 SSW     0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
 SW      0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
 WSW     0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
  W      0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
 WNW     0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
 NW      0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
 NNW     0.844050E+03    0.629240E+03    0.455295E+03    0.309620E+03    0.222561E+03
0.153156E+03    0.990590E+02    0.377890E+03
0VERTICAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(SIZEL, NO DELTA DISTANCE)
  N      0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
 NNE     0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
 NE      0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
 ENE     0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
  E      0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
 ESE     0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
 SE      0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
 SSE     0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
  S      0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
 SSW     0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
 SW      0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
 WSW     0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
  W      0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
 WNW     0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
 NW      0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03


 NW      0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
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E/30 9/88

6818

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 NNW     0.100000E+04    0.100000E+04    0.252215E+03    0.927510E+02    0.586160E+02
0.314810E+02    0.210675E+02    0.156194E+03
0VERTICAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(GT.  8) GROUND RELEASE(SIZAV, WITH
DELTA DISTANCE)
  N      0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
 NNE     0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
 NE      0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
 ENE     0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
  E      0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
 ESE     0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
 SE      0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
 SSE     0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
  S      0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
 SSW     0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
 SW      0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
 WSW     0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
  W      0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
 WNW     0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
 NW      0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03
 NNW     0.100029E+04    0.100029E+04    0.253348E+03    0.957899E+02    0.633150E+02
0.395476E+02    0.318873E+02    0.158017E+03

1PPL YEAR 1999 DT 60-10A              8-NOV-04
PAGE      6
 DELTA DISTANCE
        0.000000E+00    0.000000E+00    0.000000E+00    0.000000E+00    0.000000E+00
0.000000E+00    0.000000E+00    0.000000E+00
 NOTE: THE FOLLOWING DISTANCES ARE ENTERED IN WIND
       GROUPS FROM - NOT TOWARDS, E.G. GROUP 1 IS FROM N WHERE
       DISTANCE IS THE VALUE FROM PLANT TO SOUTH BOUNDARY
 GROUND RELEASE DISTANCE ELEVATED RELEASE DISTANCE
  N            549.0                  4827.0
 NNE           549.0                  4827.0
 NE            549.0                  4827.0
 ENE           549.0                  4827.0
  E            549.0                  4827.0
 ESE           549.0                  4827.0
 SE            549.0                  4827.0
 SSE           549.0                  4827.0
  S            549.0                  4827.0
 SSW           549.0                  4827.0
 SW            549.0                  4827.0


 SSW           549.0                  4827.0
```

E-2300

```
 WSW          549.0                  4827.0
  W           549.0                  4827.0
 WNW          549.0                  4827.0
 NW           549.0                  4827.0
 NNW          549.0                  4827.0

 BUILDING WAKE EFFECTS,C =     0.500 A =  2685.000 EFFECTIVE STACK HEIGHT        0.0
 FOR CALMS   ISPG =     1   KWRGY =     0   KWRGZ =     0   FIXED SPEED =        0.4
   SIGMS Y GROUP FACTOR =  1.00SIGMA Z GROUP FACTOR =  1.00DELTA HEIGHT =164.0
 MINIMUM NON ZERO SPEED =  0.8
  ADJUSTED STACK HEIGHT PARAMETERS  C =      0.00 VS =      0.00 DIAMETER =      0.00
RELEASE RATE =  0.0000E+00
  HEIGHT OF CONTAINMENT=  60.0
 MAX VALUE OF SIGMA=    1000.0
terrain factor for plume height adjustment  0.00

*************************************************
                                          *
*
                                          *    PPL YEAR 2000 DT 60-10A
                                          *    REQUEST NUMBER BS#0411-01
                                          *    PERIOD OF RECORD   0 1 1 1 0 TO  0123124 0
                                          *    COMPUTER RUN OF   8-NOV-04
                                          *    TAPE 3 SAVE FILE  FILE3NAME

*************************************************
1PPL YEAR 2000 DT 60-10A            8-NOV-04
PAGE      1
0DILUTION PROCESSING SELECTED

 WINDOW OPTION SELECTED
 NRTS OPTION IS  0   DISTANCE EXPONENTS FOR SIGMA Y      0.00      0.00
0ELEVATER X/Q COMPUTED FOR PEAK BEYOND DISTANCE READ IN
0NO PLUME RISE SELECTED
0SPEED LESS THAN  0.0 USE ELEVATED EQUATIONS FOR GROUND COMPUTATION
0BRANCH TECNICAL POSITION PROCESSING FOR MEANDER SELECTED
0FOR HORIZONTAL DIFFUSION
 PASQUILL DIFFUSION SELECTED
0FOR VERTICAL DIFFUSION
 PASQUILL DIFFUSION SELECTED
0CALMS PROCESSING ----    2
  CALM       SPEED        DIRECTION       DIFFUSION       SPEED GROUP    FACTOR
    1        CARDS          CALM HR         CARDS           CARDS        YES
    2        CARDS          CALM HR         CALM HR         CARDS        NO
    3    NON CALM HR    NON CALM HR     NON CALM HR     NON CALM HR      NO
    4        CARDS      NON CALM HR         CARDS           CARDS        YES
    5        CARDS      NON CALM HR         CALM HR         CARDS        NO

MET SELECTION
 SPEED          1
 DIRECTION      1
 DELTE TEMP     1
 DRY BULB       1
 DEW POINT
1PPL YEAR 2000 DT 60-10A            8-NOV-04
PAGE      3
```

PAGE 3

F-38 PX

8818

PASQUILL GROUPS

WIND GROUP	TEMPERATURE GROUP A	B	C	D	E	F	G
1	1	2	3	4	5	6	7
2	1	2	3	4	5	6	7
3	1	2	3	4	5	6	7
4	1	2	3	4	5	6	7
5	1	2	3	4	5	6	7

QUANTIZATION LEVELS
0.100000E-09 0.350000E-08 0.100000E-07 0.250000E-07 0.700000E-07 0.100000E-06 0.150000E-06
0.220000E-06 0.320000E-06 0.480000E-06 0.700000E-06 0.100000E-05 0.150000E-05 0.200000E-05
0.300000E-05 0.400000E-05 0.500000E-05 0.700000E-05 0.850000E-05 0.100000E-04 0.150000E-04
0.200000E-04 0.250000E-04 0.300000E-04 0.350000E-04 0.400000E-04 0.500000E-04 0.600000E-04
0.700000E-04 0.850000E-04 0.100000E-03 0.130000E-03 0.170000E-03 0.200000E-03 0.250000E-03
0.300000E-03 0.350000E-03 0.400000E-03 0.500000E-03 0.600000E-03 0.700000E-03 0.850000E-03
0.100000E-02 0.140000E-02 0.200000E-02 0.300000E-02 0.400000E-02
0 UPPER HEIGHT LOWER HEIGHT EXPONENTS FOR SPEED CORRECTION EXPONENTS FOR RANGE CORRECTION
33.0 33.0 0.250 0.250 0.250 0.330 0.500 0.500 0.500 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0EXPONENTIAL SPEED CORRECTION TO BE PERFORMED
PASQUILL DIFFUSION GROUPS USED AS EXPONENT SELECTOR
0DELTA TEMPERATURE CORRECTION = 0.100000E+01
0 BUILDING WAKE LIMIT ON X/Q SET TO 1/3
SIGMA REDUCTION FACTORS 1.00 1.00
0FUMIGATION OFF
1PPL YEAR 2000 DT 60-10A 8-NOV-04
PAGE 4

1PPL YEAR 2000 DT 60-10A 8-NOV-04
PAGE 6
DELTA DISTANCE
0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00
NOTE: THE FOLLOWING DISTANCES ARE ENTERED IN WIND
GROUPS FROM - NOT TOWARDS, E.G. GROUP 1 IS FROM N WHERE
DISTANCE IS THE VALUE FROM PLANT TO SOUTH BOUNDARY

	GROUND RELEASE DISTANCE	ELEVATED RELEASE DISTANCE
N	549.0	4827.0
NNE	549.0	4827.0
NE	549.0	4827.0
ENE	549.0	4827.0
E	549.0	4827.0
ESE	549.0	4827.0
SE	549.0	4827.0
SSE	549.0	4827.0
SE	549.0	4827.0

```
  S          549.0                  4827.0
 SSW         549.0                  4827.0
 SW          549.0                  4827.0
 WSW         549.0                  4827.0
  W          549.0                  4827.0
 WNW         549.0                  4827.0
 NW          549.0                  4827.0
 NNW         549.0                  4827.0

 BUILDING WAKE EFFECTS,C =     0.500 A =  2685.000 EFFECTIVE STACK HEIGHT        0.0
 FOR CALMS   ISPG =     1   KWRGY =     0   KWRGZ =     0   FIXED SPEED =        0.4
   SIGMS Y GROUP FACTOR =  1.00SIGMA Z GROUP FACTOR =  1.00DELTA HEIGHT =164.0
 MINIMUM NON ZERO SPEED =  0.8
  ADJUSTED STACK HEIGHT PARAMETERS  C =      0.00 VS =      0.00 DIAMETER =      0.00
RELEASE RATE =  0.0000E+00
  HEIGHT OF CONTAINMENT=  60.0
 MAX VALUE OF SIGMA=    1000.0
 terrain factor for plume height adjustment   0.00

*************************************************
                                          *
*
                                          *    PPL YEAR 2001 DT 60-10A
                                          *    REQUEST NUMBER BS#0411-01
                                          *    PERIOD OF RECORD   1 1 1 1 0 TO  1123124 0
                                          *    COMPUTER RUN OF   8-NOV-04□□□
                                          *    TAPE 3 SAVE FILE  FILE3NAME
*************************************************
1PPL YEAR 2001 DT 60-10A            8-NOV-04□□□
PAGE      1
0DILUTION PROCESSING SELECTED

 WINDOW OPTION SELECTED
 NRTS OPTION IS  0   DISTANCE EXPONENTS FOR SIGMA Y      0.00      0.00
0ELEVATER X/Q COMPUTED FOR PEAK BEYOND DISTANCE READ IN
0NO PLUME RISE SELECTED
0SPEED LESS THAN  0.0 USE ELEVATED EQUATIONS FOR GROUND COMPUTATION
0BRANCH TECNICAL POSITION PROCESSING FOR MEANDER SELECTED
0FOR HORIZONTAL DIFFUSION
 PASQUILL DIFFUSION SELECTED
0FOR VERTICAL DIFFUSION
 PASQUILL DIFFUSION SELECTED
0CALMS PROCESSING ----    2
  CALM       SPEED        DIRECTION       DIFFUSION       SPEED GROUP    FACTOR
    1        CARDS          CALM HR         CARDS           CARDS        YES
    2        CARDS          CALM HR         CALM HR         CARDS        NO
    3    NON CALM HR    NON CALM HR     NON CALM HR     NON CALM HR      NO
    4        CARDS      NON CALM HR         CARDS           CARDS        YES
    5        CARDS      NON CALM HR         CALM HR         CARDS        NO

0 CENTERLINE, AVERAGE CUT OFF AT   8 HOURS
1PPL YEAR 2001 DT 60-10A            8-NOV-04□□□
PAGE      2
0 WINDOW LENGTHS SELECTED
         1         2         8        16        72       624
0SPEEDS EXCLUDED LT     0
0GROUP SPEED UPPER LIMIT



0SPEEDS EXCLUDED LT     0
0GROUP SPEED UPPER LIMIT
```

```
     1        0.5
     2        3.5
     3        7.5
     4       12.5
     5      999.0

0GROUP UPPER TEMPERATURE LIMIT
     1       -10
     2        -9
     3        -8
     4        -3
     5         8
     6        24
     7        24+
0GROUP RANGE UPPER LIMIT
     7        12
     6        22
     5        45
     4        75
     3       105
     2       135
     1       360
0GROUP S UPPER LIMITS
     7       0.0
     6       0.0
     5       0.0
     4       0.0
     3       0.0
     2       0.0
     1 GT    0.0
 SITE SQ
 MET SELECTION
 SPEED          1
 DIRECTION      1
 DELTE TEMP     1
 DRY BULB       1
 DEW POINT
1PPL YEAR 2001 DT 60-10A              8-NOV-04
PAGE      3
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PASQUILL GROUPS

WIND GROUP	TEMPERATURE GROUP A	B	C	D	E	F	G
1	1	2	3	4	5	6	7
2	1	2	3	4	5	6	7
3	1	2	3	4	5	6	7
4	1	2	3	4	5	6	7
5	1	2	3	4	5	6	7

QUANTIZATION LEVELS

```
  0.100000E-09   0.350000E-08   0.100000E-07   0.250000E-07   0.700000E-07   0.100000E-
06   0.150000E-06


  0.100000E-09   0.350000E-08   0.100000E-07   0.250000E-07   0.700000E-07   0.100000E-
```

F-4.DEC

119 18

```
   0.220000E-06   0.320000E-06   0.480000E-06   0.700000E-06   0.100000E-05   0.150000E-
05   0.200000E-05
   0.300000E-05   0.400000E-05   0.500000E-05   0.700000E-05   0.850000E-05   0.100000E-
04   0.150000E-04
   0.200000E-04   0.250000E-04   0.300000E-04   0.350000E-04   0.400000E-04   0.500000E-
04   0.600000E-04
   0.700000E-04   0.850000E-04   0.100000E-03   0.130000E-03   0.170000E-03   0.200000E-
03   0.250000E-03
   0.300000E-03   0.350000E-03   0.400000E-03   0.500000E-03   0.600000E-03   0.700000E-
03   0.850000E-03
   0.100000E-02   0.140000E-02   0.200000E-02   0.300000E-02   0.400000E-02
0   UPPER HEIGHT   LOWER HEIGHT   EXPONENTS FOR SPEED CORRECTION      EXPONENTS FOR RANGE
CORRECTION
          33.0           33.0 0.250 0.250 0.250 0.330 0.500 0.500 0.500      0.000 0.000
0.000 0.000 0.000 0.000 0.000
0EXPONENTIAL SPEED CORRECTION TO BE PERFORMED
 PASQUILL DIFFUSION GROUPS USED AS EXPONENT SELECTOR
0DELTA TEMPERATURE CORRECTION =    0.100000E+01
0 BUILDING WAKE LIMIT ON X/Q SET TO 1/3
 SIGMA REDUCTION FACTORS 1.00 1.00
0FUMIGATION OFF
1PPL YEAR 2001 DT 60-10A            8-NOV-04
PAGE      6
 DELTA DISTANCE
        0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00
0.000000E+00   0.000000E+00   0.000000E+00
 NOTE: THE FOLLOWING DISTANCES ARE ENTERED IN WIND
       GROUPS FROM - NOT TOWARDS, E.G. GROUP 1 IS FROM N WHERE
       DISTANCE IS THE VALUE FROM PLANT TO SOUTH BOUNDARY
 GROUND RELEASE DISTANCE ELEVATED RELEASE DISTANCE
  N           549.0                 4827.0
 NNE          549.0                 4827.0
 NE           549.0                 4827.0
 ENE          549.0                 4827.0
  E           549.0                 4827.0
 ESE          549.0                 4827.0
 SE           549.0                 4827.0
 SSE          549.0                 4827.0
  S           549.0                 4827.0
 SSW          549.0                 4827.0
 SW           549.0                 4827.0
 WSW          549.0                 4827.0
  W           549.0                 4827.0
 WNW          549.0                 4827.0
 NW           549.0                 4827.0
 NNW          549.0                 4827.0

 BUILDING WAKE EFFECTS,C =     0.500 A =  2685.000 EFFECTIVE STACK HEIGHT        0.0
 FOR CALMS   ISPG =     1   KWRGY =     0   KWRGZ =     0   FIXED SPEED =        0.4
   SIGMS Y GROUP FACTOR =  1.00SIGMA Z GROUP FACTOR =  1.00DELTA HEIGHT =164.0
 MINIMUM NON ZERO SPEED =  0.8
  ADJUSTED STACK HEIGHT PARAMETERS  C =      0.00 VS =      0.00 DIAMETER =      0.00
RELEASE RATE =  0.0000E+00
  HEIGHT OF CONTAINMENT=  60.0
 MAX VALUE OF SIGMA=    1000.0
 terrain factor for plume height adjustment   0.00


 terrain factor for plume height adjustment   0.00
```

E-42988

12 8 18

```
*************************************************
*                                               *
*                                               *    PPL YEAR 2002 DT 60-10A
*                                               *
*                                               *    REQUEST NUMBER BS#0411-01
*                                               *
*                                               *    PERIOD OF RECORD   2 1 1 1 0 TO  2123124 0
*                                               *
*                                               *    COMPUTER RUN OF   8-NOV-04□□□
*                                               *
*                                               *    TAPE 3 SAVE FILE  FILE3NAME
*                                               *
*                                               *
*************************************************
1PPL YEAR 2002 DT 60-10A            8-NOV-04□□□
PAGE      1
0DILUTION PROCESSING SELECTED

 WINDOW OPTION SELECTED
 NRTS OPTION IS  0   DISTANCE EXPONENTS FOR SIGMA Y      0.00      0.00
0ELEVATER X/Q COMPUTED FOR PEAK BEYOND DISTANCE READ IN
0NO PLUME RISE SELECTED
0SPEED LESS THAN  0.0 USE ELEVATED EQUATIONS FOR GROUND COMPUTATION
0BRANCH TECNICAL POSITION PROCESSING FOR MEANDER SELECTED
0FOR HORIZONTAL DIFFUSION
 PASQUILL DIFFUSION SELECTED
0FOR VERTICAL DIFFUSION
 PASQUILL DIFFUSION SELECTED
0CALMS PROCESSING ----    2
  CALM       SPEED        DIRECTION       DIFFUSION       SPEED GROUP     FACTOR
    1        CARDS          CALM HR         CARDS           CARDS         YES
    2        CARDS          CALM HR         CALM HR         CARDS         NO
    3    NON CALM HR    NON CALM HR     NON CALM HR     NON CALM HR       NO
    4        CARDS      NON CALM HR         CARDS           CARDS         YES
    5        CARDS      NON CALM HR         CALM HR         CARDS         NO

0 CENTERLINE, AVERAGE CUT OFF AT   8 HOURS
1PPL YEAR 2002 DT 60-10A            8-NOV-04□□□
PAGE      2
0 WINDOW LENGTHS SELECTED
        1         2         8         16        72        624
0SPEEDS EXCLUDED LT     0
0GROUP SPEED UPPER LIMIT
     1       0.5
     2       3.5


0GROUP SPEED UPPER LIMIT
     1       0.5
```

F-46 888

```
     3        7.5
     4       12.5
     5      999.0

0GROUP UPPER TEMPERATURE LIMIT
     1       -10
     2        -9
     3        -8
     4        -3
     5         8
     6        24
     7        24+
0GROUP RANGE UPPER LIMIT
     7        12
     6        22
     5        45
     4        75
     3       105
     2       135
     1       360
0GROUP S UPPER LIMITS
     7       0.0
     6       0.0
     5       0.0
     4       0.0
     3       0.0
     2       0.0
     1 GT    0.0
 SITE SQ
 MET SELECTION
 SPEED          1
 DIRECTION      1
 DELTE TEMP     1
 DRY BULB       1
 DEW POINT
1PPL YEAR 2002 DT 60-10A            8-NOV-04
PAGE      3
```

PASQUILL GROUPS

WIND GROUP	TEMPERATURE GROUP A	B	C	D	E	F	G
1	1	2	3	4	5	6	7
2	1	2	3	4	5	6	7
3	1	2	3	4	5	6	7
4	1	2	3	4	5	6	7
5	1	2	3	4	5	6	7

```
 QUANTIZATION LEVELS
   0.100000E-09   0.350000E-08   0.100000E-07   0.250000E-07   0.700000E-07   0.100000E-
06   0.150000E-06
   0.220000E-06   0.320000E-06   0.480000E-06   0.700000E-06   0.100000E-05   0.150000E-
05   0.200000E-05


   0.220000E-06   0.320000E-06   0.480000E-06   0.700000E-06   0.100000E-05   0.150000E-
```

E-4-88

14818


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   0.300000E-05   0.400000E-05   0.500000E-05   0.700000E-05   0.850000E-05   0.100000E-
04   0.150000E-04
   0.200000E-04   0.250000E-04   0.300000E-04   0.350000E-04   0.400000E-04   0.500000E-
04   0.600000E-04
   0.700000E-04   0.850000E-04   0.100000E-03   0.130000E-03   0.170000E-03   0.200000E-
03   0.250000E-03
   0.300000E-03   0.350000E-03   0.400000E-03   0.500000E-03   0.600000E-03   0.700000E-
03   0.850000E-03
   0.100000E-02   0.140000E-02   0.200000E-02   0.300000E-02   0.400000E-02
0   UPPER HEIGHT   LOWER HEIGHT   EXPONENTS FOR SPEED CORRECTION      EXPONENTS FOR RANGE
CORRECTION
           33.0           33.0 0.250 0.250 0.250 0.330 0.500 0.500 0.500      0.000 0.000
0.000 0.000 0.000 0.000 0.000
0EXPONENTIAL SPEED CORRECTION TO BE PERFORMED
 PASQUILL DIFFUSION GROUPS USED AS EXPONENT SELECTOR
0DELTA TEMPERATURE CORRECTION =    0.100000E+01
0 BUILDING WAKE LIMIT ON X/Q SET TO 1/3
 SIGMA REDUCTION FACTORS 1.00 1.00
0FUMIGATION OFF
1PPL YEAR 2002 DT 60-10A            8-NOV-04
PAGE      6
 DELTA DISTANCE
        0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00
0.000000E+00   0.000000E+00   0.000000E+00
 NOTE: THE FOLLOWING DISTANCES ARE ENTERED IN WIND
       GROUPS FROM - NOT TOWARDS, E.G. GROUP 1 IS FROM N WHERE
       DISTANCE IS THE VALUE FROM PLANT TO SOUTH BOUNDARY
 GROUND RELEASE DISTANCE ELEVATED RELEASE DISTANCE
  N          549.0                4827.0
 NNE         549.0                4827.0
 NE          549.0                4827.0
 ENE         549.0                4827.0
  E          549.0                4827.0
 ESE         549.0                4827.0
 SE          549.0                4827.0
 SSE         549.0                4827.0
  S          549.0                4827.0
 SSW         549.0                4827.0
 SW          549.0                4827.0
 WSW         549.0                4827.0
  W          549.0                4827.0
 WNW         549.0                4827.0
 NW          549.0                4827.0
 NNW         549.0                4827.0

 BUILDING WAKE EFFECTS,C =     0.500 A =  2685.000 EFFECTIVE STACK HEIGHT        0.0
 FOR CALMS   ISPG =     1   KWRGY =     0   KWRGZ =     0   FIXED SPEED =        0.4
   SIGMS Y GROUP FACTOR =  1.00SIGMA Z GROUP FACTOR =  1.00DELTA HEIGHT =164.0
 MINIMUM NON ZERO SPEED =  0.8
  ADJUSTED STACK HEIGHT PARAMETERS  C =      0.00 VS =      0.00 DIAMETER =      0.00
RELEASE RATE =  0.0000E+00
  HEIGHT OF CONTAINMENT=  60.0
 MAX VALUE OF SIGMA=    1000.0
 terrain factor for plume height adjustment   0.00

*************************************************


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```

E-40 885

15918

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                                                  *
*
                                                  *    PPL YEAR 2003 DT 60-10A
*
                                                  *
*
                                                  *    REQUEST NUMBER BS#0411-01
*
                                                  *
*
                                                  *    PERIOD OF RECORD   3 1 1 1 0 TO  3123124 0
*
                                                  *
*
                                                  *    COMPUTER RUN OF   8-NOV-04□□□
*
                                                  *
*
                                                  *    TAPE 3 SAVE FILE  FILE3NAME
*
                                                  *
*

**************************************************
1PPL YEAR 2003 DT 60-10A              8-NOV-04□□□
PAGE      1
0DILUTION PROCESSING SELECTED

 WINDOW OPTION SELECTED
 NRTS OPTION IS  0   DISTANCE EXPONENTS FOR SIGMA Y      0.00      0.00
0ELEVATER X/Q COMPUTED FOR PEAK BEYOND DISTANCE READ IN
0NO PLUME RISE SELECTED
0SPEED LESS THAN  0.0 USE ELEVATED EQUATIONS FOR GROUND COMPUTATION
0BRANCH TECNICAL POSITION PROCESSING FOR MEANDER SELECTED
0FOR HORIZONTAL DIFFUSION
 PASQUILL DIFFUSION SELECTED
0FOR VERTICAL DIFFUSION
 PASQUILL DIFFUSION SELECTED
0CALMS PROCESSING ----     2
  CALM       SPEED        DIRECTION       DIFFUSION       SPEED GROUP     FACTOR
    1        CARDS          CALM HR         CARDS           CARDS         YES
    2        CARDS          CALM HR         CALM HR         CARDS         NO
    3    NON CALM HR    NON CALM HR     NON CALM HR     NON CALM HR       NO
    4        CARDS      NON CALM HR         CARDS           CARDS         YES
    5        CARDS      NON CALM HR         CALM HR         CARDS         NO

0 CENTERLINE, AVERAGE CUT OFF AT   8 HOURS
1PPL YEAR 2003 DT 60-10A              8-NOV-04□□□
PAGE      2
0 WINDOW LENGTHS SELECTED
         1          2          8          16         72         624
0SPEEDS EXCLUDED LT     0
0GROUP SPEED UPPER LIMIT
     1        0.5
     2        3.5
     3        7.5
     4       12.5


     3        7.5
```

16 of 18

```
     5      999.0

0GROUP UPPER TEMPERATURE LIMIT
     1        -10
     2         -9
     3         -8
     4         -3
     5          8
     6         24
     7         24+
0GROUP RANGE UPPER LIMIT
     7         12
     6         22
     5         45
     4         75
     3        105
     2        135
     1        360
0GROUP S UPPER LIMITS
     7        0.0
     6        0.0
     5        0.0
     4        0.0
     3        0.0
     2        0.0
     1 GT     0.0
 SITE SQ
 MET SELECTION
 SPEED          1
 DIRECTION      1
 DELTE TEMP     1
 DRY BULB       1
 DEW POINT
1PPL YEAR 2003 DT 60-10A            8-NOV-04
PAGE      3
```

PASQUILL GROUPS

WIND GROUP	TEMPERATURE GROUP A	B	C	D	E	F	G
1	1	2	3	4	5	6	7
2	1	2	3	4	5	6	7
3	1	2	3	4	5	6	7
4	1	2	3	4	5	6	7
5	1	2	3	4	5	6	7

```
 QUANTIZATION LEVELS
   0.100000E-09   0.350000E-08   0.100000E-07   0.250000E-07   0.700000E-07   0.100000E-
06   0.150000E-06
   0.220000E-06   0.320000E-06   0.480000E-06   0.700000E-06   0.100000E-05   0.150000E-
05   0.200000E-05
   0.300000E-05   0.400000E-05   0.500000E-05   0.700000E-05   0.850000E-05   0.100000E-
04   0.150000E-04


   0.300000E-05   0.400000E-05   0.500000E-05   0.700000E-05   0.850000E-05   0.100000E-
```

E-41988

17 of 18

```
   0.200000E-04   0.250000E-04   0.300000E-04   0.350000E-04   0.400000E-04   0.500000E-
04   0.600000E-04
   0.700000E-04   0.850000E-04   0.100000E-03   0.130000E-03   0.170000E-03   0.200000E-
03   0.250000E-03
   0.300000E-03   0.350000E-03   0.400000E-03   0.500000E-03   0.600000E-03   0.700000E-
03   0.850000E-03
   0.100000E-02   0.140000E-02   0.200000E-02   0.300000E-02   0.400000E-02
0   UPPER HEIGHT   LOWER HEIGHT   EXPONENTS FOR SPEED CORRECTION      EXPONENTS FOR RANGE
CORRECTION
          33.0           33.0 0.250 0.250 0.250 0.330 0.500 0.500 0.500      0.000 0.000
0.000 0.000 0.000 0.000 0.000
0EXPONENTIAL SPEED CORRECTION TO BE PERFORMED
 PASQUILL DIFFUSION GROUPS USED AS EXPONENT SELECTOR
0DELTA TEMPERATURE CORRECTION =    0.100000E+01
0 BUILDING WAKE LIMIT ON X/Q SET TO 1/3
 SIGMA REDUCTION FACTORS 1.00 1.00
0FUMIGATION OFF
1PPL YEAR 2003 DT 60-10A            8-NOV-04
PAGE      6
 DELTA DISTANCE
        0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00
0.000000E+00   0.000000E+00   0.000000E+00
 NOTE: THE FOLLOWING DISTANCES ARE ENTERED IN WIND
       GROUPS FROM - NOT TOWARDS, E.G. GROUP 1 IS FROM N WHERE
       DISTANCE IS THE VALUE FROM PLANT TO SOUTH BOUNDARY
 GROUND RELEASE DISTANCE ELEVATED RELEASE DISTANCE
  N          549.0                 4827.0
 NNE         549.0                 4827.0
 NE          549.0                 4827.0
 ENE         549.0                 4827.0
  E          549.0                 4827.0
 ESE         549.0                 4827.0
 SE          549.0                 4827.0
 SSE         549.0                 4827.0
  S          549.0                 4827.0
 SSW         549.0                 4827.0
 SW          549.0                 4827.0
 WSW         549.0                 4827.0
  W          549.0                 4827.0
 WNW         549.0                 4827.0
 NW          549.0                 4827.0
 NNW         549.0                 4827.0

 BUILDING WAKE EFFECTS,C =     0.500 A =  2685.000 EFFECTIVE STACK HEIGHT        0.0
 FOR CALMS   ISPG =     1   KWRGY =     0   KWRGZ =     0   FIXED SPEED =        0.4
   SIGMS Y GROUP FACTOR =  1.00SIGMA Z GROUP FACTOR =  1.00DELTA HEIGHT =164.0
 MINIMUM NON ZERO SPEED =  0.8
  ADJUSTED STACK HEIGHT PARAMETERS  C =      0.00 VS =      0.00 DIAMETER =      0.00
RELEASE RATE =  0.0000E+00
  HEIGHT OF CONTAINMENT=  60.0
 MAX VALUE OF SIGMA=    1000.0
 terrain factor for plume height adjustment   0.00
```

E-40988

ATTACHMENT B

HISTORICAL HAND CALCULATIONS

Date: _____
Rev: 0
Site: CP

Quality Assurance Documentation Sheet

Task: XDCALC

Program Name: XDCALC

Function: Computes plume dispersion and doses

Method of Check: (1) compare with V76 version used frequently
(2) compare with hand calcs for 6 hours
(3) compare with CRISO, GASPRO debug print
(4) check ACCUM (USING XDtest) and HOURLY functions
(5) compare conf-temp with IDD series (CDC version used for EPA I analysis)
(6) check close options (cont'd below)

Finding: The (1) comparison worked perfectly with "near" distances
(2) Hand check was very close - differences are due to cubic spline interpolation of σ_z.
(3) Comparison with GASPRO debug print was perfect (4) Accum functions properly as proved by TUCF check, (5) OK
(6) OK

Is hard copy example attached?: yes

Are check calculations attached?: yes

Disposition: Subroutine completed ✓

Requires modifications _____

Responsible Programmer: DGT

PLG Concurrence: [signature] Date: 12/6/80

Comments:
(7) Put in debug σ print & compare σ's with PG-curves
this check was good - matched the PG curves

this check was good - matched the PG curves

E-00 of 88

①

Hand check of Dispersion XOCALC

Parameters: jet off, wake split (elevated downwash)

Selected case:

79060103 ~~[illegible]~~ F2, W

check $X = 2413$

$\sigma_y = 83$

$\sigma_z = 22$

$H = 25$

$\bar{u} = 2$ mph

$n = .5$

$H = 48.7$ m

expected $\chi/Q = 1.9 \times 10^{-5}$ sec/m³

$$\chi/Q_a = \frac{2.03}{\bar{u}\,\sigma_y\,\sigma_z\,X} \exp\left[\frac{(H-\text{Tower})^2}{2\,\sigma_z^2}\right]$$

$$\bar{u}_{48.7m} = u_{10m} \left(\frac{159}{100}\right)^{.5} = 2.52 \times .447 = 1.126$$

$$= \frac{2.03}{1.126 \times 2413 \times 22} \exp\left[\frac{(48.7-25)^2}{2 \times 22^2}\right]$$

$= 1.89E-5$

QED

Summary of DISPERSION MODELS FOR
Comparisons of XDCALC and GASPRO ~~+ HAND CHECKS~~

Assumptions: ~~no~~ jet, on wake split, Sector Avg

Distance (m) / Type	1 79060101 ~~[illegible]~~ D#8, S		2 79060104 D#15, W		3 79060105 D#2, W		4 79060106 F#5, PG		6 79060103 F#2, W	
	XDCALC	GASPRO	XDCALC	GASPRO	XDCALC	GASPRO	XDCALC	GASPRO	XDCALC	GASPRO
04 XQ	3.5E-6	3.5E-6	4.4-6	4.4-6	1.6-5 →	1.6-5	9.0-11		4.0-11	1.5-11
DEPL			4.2-6		1.5-5	1.51-5				
DEPO			9.5-8	9.99-8	9.8-8	1.56-7				
113 XQ	3.57E-6	3.69-6	1.8-6	1.8-6	1.6-6 →		1.34-5		5.4-6	4.3-6
Depl	3.42-6						1.34-5			
Depo	4.6-8					2.43-8	3.67-8			
022 XQ	1.57-6	1.57-6	8.6-7	8.6-7	5.7-7 →		5.7-6		8.2-6	7.5-6
Depl										
Depo						1.2-8				
233 XQ	8.8-7	8.8-7	4.9-7 →	same	3.6-7 →		3.8-6		9.2-6	9.1-6
Depl									9.2-6	9.2-6
Depo						7.4-9			5.17-9	9.4-9
240 XQ	5.9-7	5.9-7	3.3-7 →		2.8-7 →		2.6-6		6.2-6	6.5-6
Dep										
Depo						4.7-9				
067 XQ	2.7-7	2.7-7	1.5-7 →		1.9-7 →		1.26-6		9.2-6	3.1-6
Dep										
Depo						1.9-9				1.9-9
1180 XQ	9.1-8	9.1-8	5.1-8 →		8.4-8 →		5.7		1.26-6	1.2-6
Dep										
Depo						6.4-10				
322 XQ	4.1-8	4.1-8	2.3-8 →		5.0-8 →		2.6-7		6.4-7	6.4-7
Depl										
Depo						2.3-10				
530 XQ	2.5-8	2.5-8	1.4-8 →		3.6-8 →		1.6-7		4.0-7	4.1-7
Depl										
Depo						1.2-10				
530 XQ	2.5-8	1.47-8	0.2-8 →		[illegible]		1.6-7		4.0-7	4.1-7
2400 Depl	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]		3.0-7	3.0-7

Hand check of Dispersion with RT [illegible]

check test hr ② 79060104

$$\chi/Q_{\substack{ar \\ stk,ele}} = \frac{2.03}{\bar{u}\,\sigma_z x} \exp -\left[\frac{(H-t)^2}{2\sigma_z^2}\right]$$

$$\chi/Q_{stk,gnd} = \frac{2.03}{\bar{u}\,x\,\Sigma_z}$$

where $\Sigma_z = \sqrt{\sigma_z^2 + \frac{H_e^2}{2\pi}} \le \sqrt{3}\,\sigma_z$

$$\chi/Q_{\substack{wake \\ split}} = E_t\,\chi/Q_{gnd} + (1-E_t)\,\chi/Q_{el}$$

$\bar{u}_{100\,ft} = 15$ mph

$n = .33$

stab = D

$\sigma_y = 58.5$

$\sigma_z = 27.6$

$H = 48.7$ m, stk ht

$H_e = H + \Delta H$ (containment) =

$t = 6$

$x = 804$

$E_t =$ entrainment coefficient

correct $\bar{u}$ for 33 ft & 48.7 (160 ft)

$$\bar{u}_{33ft} = \bar{u}_{\substack{100 \\ 15}} \left(\frac{33}{100}\right)^{.33} * .447 = 4.65$$

$$u_{160\,ft} = \bar{u}_{\substack{100 \\ 15}} \left(\frac{160}{100}\right)^{.33} * .447 = 7.82$$

$$\frac{w_o}{u}\Big|_{\substack{\text{at stack} \\ \text{height}}} = \frac{15.1}{7.82} = 1.93$$

this falls into category:

$$E_t = .3 - .06\left(\frac{w_o}{u}\right) = .3 - .06\,(1.93) = .18$$

$$\chi/Q_{SA,elev} = \frac{2.03}{7.82 * 804 * 27.6} \exp - \left[\frac{(48.7-6)^2}{2 * 27.6^2} \right] = 3.5E-6$$

$$\chi/Q_{SA,gnd} = \frac{2.03}{4.65 * 804 * 34.6} = 1.57E-5$$

$$\Sigma_z = \sqrt{27.6^2 + \frac{51.8^2}{2\pi}} \leq 1.73 * 27.6$$

$$= 34.48 \qquad 47.7$$

$$\chi/Q_{WS} = .18 * 1.57E-5 + (1-.18) * 3.5E-6$$

$$2.8E-6 \qquad 2.8E-6 \qquad = \boxed{5.74E-6}$$

QED

old

MET DATA FOR TEST RM-21

Date on Disc	$\bar{u}$	wind direction θ	Terr	ΔT	Stab	EQ	jet on TOXABLE HRLY	jet on TOXABLE 10-16	jet on GASEOUS indiv	jet on comp pop	jet off fixed
79060101	8.0	S	TWI	-.5	D	all 100					
(1) 79060201	8.0	S	TWI	-.5	D	H3 ✓ ~~H3~~	✓	✓			
79060202	8.0	~~W~~ S		-.5 ~~+1~~	D ~~B~~	I131	✓				
~~0104~~ 0204	8.0	S ~~W~~		-.5 ~~+2.0~~	D ~~B~~	~~Kr90~~ Xe133	✓				
(4) (2) ~~0104~~ 0104	15.0	W		-.5	D	—	✓				
(2) ~~0105~~ 0205	2.0	W		-1.1	B	—	✓				
(4) ~~0106~~ 0206	5.0	NE ~~SW~~		+2	F	—	✓				
(5) 79060102	4.0	S		-1.1	B	—					
(6) 79060103	2.0	W		+2.0	F						

~~140~~ 140

~~140~~ 140

~~Ka~~

225

DISPERSION CHECK

	(1) JET DN 790601 Dstab, 8mph XQ XDARC	(1) FASPRO	(2) JET OFF 790601 Dstab, 8mph XD	GAS	(3) DATES JET ON 790603 B4 16mph XD	GAS	(3) JET ON 790603 B4 2mph XD	GAS	(4) NRC F4 5 XD	GAS	(5) 5 hour B4 4 XD	GAS	(6) 5 hour F4 5 XD	GAS
804 1000 1609	3.5-6	3.5-6 3.56-6 wd 3.6-6			5.7-6	4.8-6	1.6-5	1.6-5	9.0-2		9.4 1.9-6		4.5-7	1.7
2413	3.58-6 3.57-6 3.12-6 4.6-8	3.67-6			1.8-6	1.8-6	1.6-6	1.6-6	1.34-5		7.8 7		5.8-6	4.3
3220		2.3-6 wd												
4027	1.57-6	1.57-6			3.6-7	3.6-7	5.7-7	5.7-7	5.7-6 6.2-6		2.8 2.7		2.2 1.6-7	
5631	3.8-7	3.8-7			4.9-7	✓	3.6-7	3.6-7	3.8 1.9-6		1.84-7		8.9-6 9.2 6.9-6	
7240	5.9-7	5.9-7			3.3-7	✓	2.8-7	2.8-7	2.6 1.9-6		1.28-7		6.1 1.2-6	
12067	2.7-7	2.7-7			1.6-7	✓	1.7-7	1.7-7	1.26-6		1.3-3 84-8		9.2 1.2-6	
24135	9.1-8	9.1-8			5.1-8	✓	8.4-8		5.7 2.1		4.2-8		1.26-6	
40225	4.1-8	4.1-8			2.3-8	✓	5.0-8		2.6-7 1.2		2.8-8		6.1-7 3.2	
56305	2.73 2.5-8	2.5-8			1.4-8	✓	8.8-9		1.6-7 5.2		1.78-8 5.8-7		4.0-7 1.2-7	
2405	1.67-8	1.67-8			9.3-9	✓	2.8-8		1.2-7 4.0-8		1.38-8 6.2-8		3.0 1.6-7	
									1.2-7		1.28-8		3.0	

(2) [illegible]

(3) Run XOAHCO DEC [illegible] 3

(4) compare [illegible]

Reviewed

~~Wet conditions~~

CASES TO BE RUN ON HAND CALCULATOR

DO XO, DEPLXO, DEPO

26M	WIND ~~TRIPPED~~ (direction)	TMI DATE	Stab	wind speed mph	jet	method of comparison
1	ENE	79033011	160 E	(1.8) 1.56	on	XOQ000 ~~hand~~ to Run 21
2	SW	79033112	A	(10) 8.588	on	XOQ000 ~~hand~~ to Run 21
3	W	79040607	E	(21.7) 14.52	on	XOQ000 ~~hand~~ to Run 21
4 (1)	S	79060101 none	160 D -5	8.0	off	hand to Run 21
5 (2)	~~E~~S	02	B -10	4.0		"
6 (3)	W	03	F +20	2.0		"
7 (4)	~~S~~ W	04	D -5	15.0		"
8 (5)	~~S~~ W	05	B -10	2.0		"
9 (6)	SW	06	F 30	[illegible]		"
9 (6)	SW	06	F 30	[illegible]		"

total 4-9 XO F-5 [illegible] 30

X/Q

DIST	1	2	3	4	5	6	7	8	9
1	1.105×10^{-6}	2.12×10^{-6}	3.947×10^{-7}	2.256×10^{-6}	1.033×10^{-5}	3.326×10^{-8}	2.2×10^{-6}	1.989×10^{-5}	$1.768\times10^{-}$
2.413	5.299×10^{-5}	8.498×10^{-8}	7.96×10^{-6}	4.553×10^{-6}	9.078×10^{-7}	1.39×10^{-4}	4.563×10^{-6}	1.132×10^{-6}	2.786×10
4.022	3.56×10^{-5}	5.547×10^{-8}	3.87×10^{-6}	4.012×10^{-6}	2.292×10^{-7}	4.99×10^{-6}	2.139×10^{-6}	1.554×10^{-7}	$2.818\times10^{-}$
5.631	2.289×10^{-5}	4.187×10^{-8}	2.48×10^{-6}	2.44×10^{-6}	8.525×10^{-8}	4.58×10^{-5}	1.301×10^{-6}	1.705×10^{-7}	$1.245\times10^{-}$
7.240	1.651×10^{-5}	3.39×10^{-8}	1.779×10^{-6}	1.683×10^{-6}	6.032×10^{-8}	3.375×10^{-5}	8.972×10^{-7}	1.205×10^{-7}	1.378×10^{-5}
12.067	8.55×10^{-6}	2.216×10^{-8}	9.186×10^{-7}	8.048×10^{-7}	3.882×10^{-8}	1.806×10^{-5}	4.291×10^{-7}	7.765×10^{-8}	$7.209\times10^{-}$
24.135	3.646×10^{-6}	1.24×10^{-8}	3.917×10^{-7}	3.114×10^{-7}	2.141×10^{-8}	8.048×10^{-6}	1.66×10^{-7}	4.288×10^{-8}	$3.229\times10^{-}$
40.0225	2.025×10^{-6}	8.096×10^{-9}	2.175×10^{-7}	1.565×10^{-7}	1.39×10^{-8}	4.536×10^{-6}	8.344×10^{-8}	2.783×10^{-8}	1.811×10^{-6}
56.345	1.389×10^{-6}	6.109×10^{-9}	1.502×10^{-7}	1.005×10^{-7}	1.047×10^{-8}	3.12×10^{-6}	5.361×10^{-8}	2.093×10^{-8}	1.246×10
72.405	1.06×10^{-6}	4.95×10^{-9}	1.139×10^{-7}	7.225×10^{-8}	9.46×10^{-9}	2.36×10^{-6}	3.952×10^{-8}	1.692×10^{-8}	9.422×10

do jet on?

copy 1st 2 pages

ALL DO JIT CALCS

CHECK PROBLEM

11 C=.5

12 2000 m²

13 51.8 [illegible] HT (m)

14 2.032 [illegible]

15 100 (ft) wind ht ft

16 33 gnd elev (ft) (ft)

17 7.4 eff hol (m/sec)

18 .3048 m/ft

21 48.7 (m) stk hol ht

prem A

20 .33
R/S

dwnwd 34 3.5 mph
R/S

prem E

25 600 X
R/S

26 0 EM — cannot find stk ht
R/S

22 22 σz 27
R/S

23 45 σy 59
R/S

B CL
0 2 dist
R/S

C 7.26E-6 elevated
~~RCL 43 [illegible] 1.8-5~~

D 1.27E-5 W/S
RCL 44 1.03-4 gnd
45 7.2-6 elev
47 .057 ET

E-59988

1.51 E-5 about 0 [illegible]

CHECK PROGRAM SR-59 procedure

11 C=.5
12 2000 m²
13 51.8 BLDG HT(m)
14 2.032
15 100 (St) meas wt &
16 33 gnd calc (H (St))
17 7.4 eff wel (m/sec)
18 13048 m/St
21 48.7 (m) stk Rel ht

C 7.26E-6 elevation
~~RCL 43 1.08 5~~
~~LX 5~~

D 1.27E-5 W/S
RCL 44 1.03,-4 gnd
45 7.2-6 ele
47 .057 ET

press A
20 .33
R/S
24 3.5 mph
R/S
press E
25 600 X
R/S
26 0 bin — cannot find stk wt
R/S
22 22 σz 27
R/S
23 45 σy 59
R/S
B CL
.13 n dist
σ max
R/S

E-Gu 888

Hand check procedure

(B)

~~[illegible] (1)~~ 9.4~~E-6~~ ~~[illegible]~~ CC
4.~~[illegible]~~ ~~[illegible]~~ SA
6.5E-6 TO/S
2.99 ~~E-5 [illegible]~~
4.4 ~~E-[illegible]~~
~~.05 E-[illegible]~~

	out # / chk #	wet (1) / to N (1)	(2) to R (2)	(3) Sw (3)	(B) N (4)	(5) R (5)		SA	
A	n	.33	.33	.5	.125	.5	.5	.5	
	ū	8.0	15	5	4.0	2.0	2	2.0	
Fr	Dist	5635	804	4022	12067	2413	804	5651	
	terr	75	6	48.6 ~~[illegible]~~	80	2 ~~65~~	cont speed start	(60)	
	σz	325 ~~1000~~	27.6	31.5	1000	28.0	11.9	53.7	
	σy	2300 ~~[illegible]~~	52.5 ~~[illegible]~~	125	1300	83	309	174	129
	B than 400 Bq/s	1.01E-7			~~[illegible]~~ pr[illegible]		2.1-8 / 4-11	D2 8.95 ~~[illegible]~~-6	1.4-5
								expected 9.22-6	
	DH/S	2.79E-8 / 2.5-8	5.1E-6 / 6.5-6	~~[illegible]~~ 5.67-6 / 2.3-6	8.3-8 / 8.3-8	1.9-5 / (1.9-5)	XOCALC HELY cal jet		
grd 44		4.34-8	1.5-6	~~[illegible]~~ 7.1-6		[illegible]			
cle 45		2.6-8	35-6	1.[illegible]	3.2-8				
ET 47		.083	.18	8.5-6 / 0	8.3-8 / 0	1.9-5 / 0			

← these values were entered in circles in check sheet

(Sw column:) has had terrain but checks in OK

FR. 000

Hand test of individual hour to test interp in GASPAD close in

Di = to North, spd = 8 mph, stab = D

	1	2	3	4	5	6	7	8
u	.33	.33	.33	.33	.33	.33	.33	.33
ū	8	8	8	8	8	8	8	8
Dist	500	800	1000	1300	1600	2000	2700 ~~3000~~	3220 ~~4000~~
tem	0	0	~~60~~ 0	~~60~~ 0	60	60	60	60
σ_z	19	27	32	40	45	50	62	70
σ_y	39	60	73	90	110	130	180	210
$D_{\xi_{net}}$	6.6E-6	6.5E-6	6.1E-6	5.2E-6	6.3-6			
2nd 44		3.0E-5	2.1E-5	1.4-5				
ele 45		4.4E-6	4.7-6	4.4-6				
47	.0829							
			3.56-6		3.62-6			2.28-6

This is not jet

but it does look fast

Hand Check of Dispersion XDCALC

Assumptions: jet off, wake split (elevated dominate)

<u>Selected Case:</u>

79060103 F,2,W

Check

$X = 2413$

$\sigma_y = 83$

$\sigma_z = 22$

$Terr = 25$

$\bar{u} = 2$ mph

$n = 0.5$

$H = 48.7m$

expected $X/Q = 1.9 \times 10^{-5}$ sec/m^3

$$X/Q_u = \frac{2.03}{\bar{u}\sigma_y\sigma_z X} \exp -\left[\frac{(H - Terr)^2}{2\sigma_z^2}\right]$$

$$\bar{u}_{48.7m} = u_{100ft}\left(\frac{159}{100}\right)^{0.5} = 2.52 * 0.447 = 1.126$$

$$= \frac{2.03}{1.126 * 2413 * 22} \exp -\left[\frac{(48.7 - 25)^2}{2 * 22^2}\right]$$

$$= \boxed{1.89E\text{-}5 \quad \text{QED}}$$

E-62 ARR

Summary of Comparisons of Dispersion Models for XDCALC and GASPRO

sum Assumptions: jet on, wake split

sta (m)	Distance (m)	Type	1 79060101 D,8,S XDCALC	1 GASPRO	2 79060104 D,15,W XDCALC	2 GASPRO	3 79060105 B,2,W XDCALC	3 GASPRO	6 79060103 F,2,W XDCALC	6 GASPRO
804	804	X/Q	3.5E-6	3.5E-6	4.4E-6	4.4E-6	1.6E-5	1.6E-5	4.0E-11	1.3E-11
		Depl			4.2E-6		1.5E-5	1.51E-5		
		Depo			7.5E-8	8.99E-8	9.8E-8	1.56E-7		
413	2413	X/Q	3.57E-6	3.67E-6	1.8E-6	1.8E-6	1.6E-6	1.6E-6	5.4E-6	4.3E-6
		Depl	3.42E-6							
		Depo	4.6E-8					2.43E-8		
)22	4022	X/Q	1.57E-6	1.57E-6	8.6E-7	8.6E-7	5.7E-7	5.7E-7	8.2E-6	7.5E-6
		Depl								
		Depo						1.2E-8		
631	5631	X/Q	8.8E-7	8.8E-7	4.9E-7	4.9E-7	3.6E-7	3.6E-7	9.2E-6	9.1E-6
		Depl							9.2E-6	9.2E-6
		Depo						7.4E-9	5.17E-9	7.4E-9
240	7240	X/Q	5.9E-7	5.9E-7	3.3E-7	3.3E-7	2.8E-7	2.8E-7	6.4E-6	6.5E-6
		Depl								
		Depo						4.7E-9		
)67	12067	X/Q	2.7E-7	2.7E-7	1.5E-7	1.5E-7	1.9E-7	1.9E-7	9.2E-6	3.1E-6
		Depl								
		Depo						1.9E-7		1.9E-9
135	24135	X/Q	9.1E-8	9.1E-8	5.1E-8	5.1E-8	8.4E-8	8.4E-8	1.26E-6	1.2E-6
		Depl								
		Depo						6.4E-10		
225	40225	X/Q	4.1E-8	4.1E-8	2.3E-8	2.3E-8	5.0E-8	5.0E-8	6.4E-7	6.4E-7
		Depl								
		Depo						2.3E-10		
315	56315	X/Q	2.5E-8	2.5E-8	1.4E-8	1.4E-8	3.6E-8	3.6E-8	4.0E-7	4.1E-7
		Depl								
		Depo						1.2E-10		
105	72405	X/Q	1.67E-8	1.67E-8	9.3E-9	9.3E-9	2.8E-8	2.8E-8	3.0E-7	3.0E-7
		Depl								
		Depo						7.9E-11		

Hand Check of Dispersion with ET

Check test hour 2 - 79060104

$$X/Q_{SA,ele} = \frac{2.03}{\bar{u}\sigma_z X} \exp -\left[\frac{(H - t)^2}{2\sigma_z^2}\right]$$

$$X/Q_{SA,gnd} = \frac{2.03}{\bar{u}X\Sigma_z}$$

where

$$\Sigma_t = \sqrt{\sigma_z^2 + \frac{H_c^2}{2\pi}} \leq \sqrt{3}\sigma_z$$

$$X/Q_{wake\ split} = E_t X/Q_{gnd} + (1 - E_t) X/Q_{ele}$$

$\bar{u}_{100ft}$	=	15 mph
n	=	0.33
Stab	=	D
σ_y	=	58.5
σ_z	=	27.6
H	=	48.7m, stack height
H_c	=	height of containment
t	=	6
X	=	804
E_t	=	entrainment coefficient

correct

$\bar{u}$ = for 33ft and 48.7 (160ft)

$$\bar{u}_{33ft} = \bar{u}_{100} \left(\frac{33}{100}\right)^{0.33} * 0.447 = 4.65$$

15

$$\bar{u}_{160ft} = \bar{u}_{100} \left(\frac{160}{100}\right)^{0.33} * 0.447 = 7.82$$

15

$$\frac{W_o}{u}_{\text{at stack height}} = \frac{15.1}{78.2} = 1.93$$

This falls into category:

$$E_t = 0.3 - 0.06\left(\frac{W_o}{\bar{u}}\right) = 0.3 - 0.06(1.93) = 0.18$$

$$X/Q_{SA,ele} = \frac{2.03}{7.82 * 804 * 27.6} \exp - \left[\frac{(48.7 - 6)^2}{2 * 27.6^2}\right] = 3.5E-6 \text{ sec/m}$$

0.3

$$\Sigma_z = 27.6^2 + \frac{51.8^2}{2\pi} \leq 1.73 * 27.6 = 34.48$$

47.7

$$X/Q_{SA,gnd} = \frac{2.03}{4.65 * 804 * 34.5} = 1.57E-5$$

$$X/Q_{wake\ split} = 0.18 * 1.67E-5 + (1 - 0.18) * 3.5E-6$$

2.8E-6 2.8E-6 = **5.74E-6**

QED

ATTACHMENT C

XDCALC USER'S MANUAL

C-00888

User's manual
For the
XDCALC Program

December 2004

E-09788

XDCALC Documentation

This document is intended to provide guidance on how to utilize the XDCALC program. It follows the format used for MIDAS tasks. The formats for both input (setup) parameters and the weather data input files are described.

XDCALC is designed to allow the user flexibility in making dose and dispersion calculations using the straight-line Gaussian model. The NRC regulatory guidance has been used wherever applicable. The MIDAS edit files allow the user to set up the majority of the input for the run once and have it remain constant for subsequent runs.

When running XDCALC, the following characteristics should be kept in mind. If meteorological data defaults are selected, they are used only when a meteorological parameter required for the current release point is bad. The defaults are defined in the MIDEX task. Values for wind speed, delta temperature, or ambient temperature are substituted using the day or night value as appropriate. The wind direction substitution uses a random number generator and the historical wind rose (in MIDEX table.) If sufficient default data are used, the wind direction frequencies will be the same as for the historical records.

Terrain correction factors (if selected) are applied to all dispersion calculations. If the terrain correction factor table (MIDEF option) is all zeros, all factors are set to one (i.e., no changes in dispersion calculations).

All calculations are done for all selected release points. Release points are selected in MIDER in two categories: environmental and emergency. During the run of XDCALC the user is prompted for which set of release points to use.

SUMMARY

FUNCTION:

Computes relative concentration (X/Q) according to methodology in Regulatory Guides 1.3, 1.4, 1.111 and 1.109 using a straight line Gaussian model.

PURPOSE:

To provide X/Q results following regulatory requirements.

FILE(S) USED:

	DRWK/DRMT	DRST	DR1D	DDCURV	DRRQ	DRXL	DRDL
Input	Yes	Yes	Yes	Yes	Yes	No	No
Change	No	Yes	No	No	No	Yes	Yes

TASKS USING FILES EDITED BY THIS TASK:

No files are edited by this task.

No files are edited by this task.

PREREQUISITES:
The hourly meteorological data must be complete for the time period to be considered.

COMPUTATIONAL MODEL

The following symbols and their definitions apply to the dispersion equations that follow.

$\bar{u}_{m_g}$, $\bar{u}_{m_e}$, = wind speed for ground release (subscript e for elevated) (m/sec). This wind speed is determined at the reference height entered in MIDER using an exponential correction described in the ACRISO documentation.

σ_{y_g} = horizontal dispersion coefficient for ground release, subscript e for elevated (m)*

σ_{z_g} = vertical dispersion coefficient for ground release, subscript e for elevated (m)*

cA_g = coefficient times building area, A, from MIDER table (c usually equals 0.5) (m^2)

T_f = terrain correction factor for each direction group and distance. These factors are entered using the MIDEF task. When calculations are made for locations which are not in the MIDEF table, the program interpolates to get T_f for the location.

H_c = building height (e.g., containment) (m), ground release MIDER table entry is converted from feet to meters)

x = distance (m) of the calculation

H_p = height of plume (m), if jet is selected in MIDEX table it is height of plume using Briggs jet calculations (see "Plume Rise", Briggs 1969, page 59); otherwise, plume height is set to stack height for elevated release or zero for ground release. Elevated release is corrected for terrain heights in both nonrise and Briggs jet plume rise models.

*Note: Stability may be determined from a different sensor (set in MIDER) for ground and elevated releases.

D_e = exit diameter (m) of stack for elevated release

D_e = exit diameter (m) of stack for elevated release

E-71 of 88

F_{13} = $1.44 * D_e$, used in Briggs jet equations

AP = ratio of elevated exit velocity from stack to wind speed at stack height

R = $(V_e/U_{m_e})^{2/3}$

R_p = $(x/D_e)^{1/3}$

H_f = final plume rise in Briggs jet calculation, m (height where plume levels off)

V_e = exit velocity from elevated stack, m/sec

F = $\left(D_e^2 * V_e^2\right)^{1/4}$

F_{25} = $(F/\bar{u}_{m_e})^{1/3}$

T_z = potential temperature gradient for Briggs jet calculation, °C/m

T_z = 0.025 for E stability

T_z = 0.05 for F stability

T_z = 0.075 for G stability

H_T = terrain height (m)

H_s = stack height (m)

H = plume height above terrain (m)

S_{16} = $S^{-0.1667}$

S = $9.8\ T_z/(273 + T_{AMB})$

T_{AMB} = ambient air temperature (°C) (if temperature is missing the default value will be used)

Q_{iso} = release rate, µCi/sec of each isotope

<u>XDCALC DISPERSION CALCULATIONS (X/Q AND DEPLETED X/Q in sec/m^3, D/Q in m^{-2})</u>

E-76788

The equations for each computational model are presented in the following. The nomenclature (headings) printed above each column in the output appear in parentheses after the name for each calculation:

(1) Ground Centerline X/Q (XOGCL)

$$X/Q_{gc} = X/Q * T_f$$

where

$$X/Q = \text{maximum of } \frac{1}{\bar{u}_{m_g}\left(\sigma_{y_g}\sigma_{z_g}\pi + cA\right)}$$

or

$$\frac{1}{\left(3\bar{u}_{m_g}(\sigma_{y_g}\sigma_{z_g}\pi\right)}$$

and

$T_f = 1$ if terrain correction option is not selected. Refer to Regulatory Guide 1.145 (no meander)

If the decayed X/Q (and depletion) switch is on in MIDEX, then the ground centerline is replaced with a decayed ground average X/Q, decayed for 2.26 days:

$$\text{decayed } X/Q_{gz} = X/Q_{ga} * e^{(-3.55 * 10^{-6} * (X/\bar{u}_{m_g}))}$$

where X/Q_{ga} is computed as shown below.

(2) Ground Average X/Q (XOGAV)

$$X/Q_{ga} = 2.03/\left(\bar{u}_{m_g} * x * \sum_g\right) * T_f$$

where

$$\sum_g = \text{minimum of } \sqrt{\sigma^2_{z_g} + \frac{H_c^2}{2\pi}}$$

or

$$\sum_g = \sqrt{3}\,\sigma_{z_g}$$

$T_f = 1$ if terrain correction option is not selected. Refer to Regulatory Guide 1.111.

$T_r = 1$ if terrain correction option is not selected. Refer to Regulatory Guide 1.111.

(3) Elevated Centerline X/Q (XQECL)

$$X/Q_{ec} = \left(\frac{1}{\bar{u}_{m_e} \sigma_{y_e} \sigma_{z_e} \pi} \right) * \exp(E) * T_f ,$$

for $E \geq -40$
$X/Q_{ec} = 0$, for $E < -40$

where
$T_f = 1$ if terrain correction not selected.
and

$$E = \left(\frac{-H_z^2}{2\sigma_{z_e}^2} \right)$$

$H_z = 0$, for $H \leq 0$
$H_z = H$, for $H > 0$

where
$H = H_p - H_T$
H_p = minimum of $(F_{13} * R_p * R + H_s)$, or H_f

where
H_f = minimum of H_{f_1} or $H_{f_{12}}$, for stable conditions (i.e., Pasquill Classes E, F or G)
$H_f = H_{f_1}$, for neutral or unstable conditions
$H_{f_1} = 3.0 * V_s * D_e / u_{m_1} e + H_s$
$H_{f_{12}} = 1.5 * F_{25} * S_{16} + H_s$

Refer to Regulatory Guide 1.3 and Briggs Plume Rise (TID-25075).

If the decayed (and depletion) X/Q switch in MIDEX, then the elevated centerline X/Q is replaced with a decayed average X/Q, decayed is on for 2.26 days:

$$\text{decayed } X/Q_{ea} = X/Q_{ea} * e^{(-3.55 * 10^{-6} * (X/\bar{u}_{m_e}))}$$

where X/Q_{ea} is calculated as shown below.

(4) Elevated Average X/Q (XQEAV)

$$X/Q_{ea} = \left(\frac{2.03}{\bar{u}_{m_e} * x * \sigma_{z_e}} \right) * \exp(E) * T_f ,$$

$$X/Q_{ea} = \left| \frac{2.03}{\bar{\ }} \right| * \exp(E) * T_f ,$$

F-74 of 88

for $E \geq -40$
$X/Q_{ea} = 0$, for $E < -40$

where

T_f = 1 if terrain correction is not selected.

and

H_p, H_z, E are the same as above. Refer to Regulatory Guide 1.111.

(5) Ground Depletion (DPLETN)

$$X/Q_{gd} = X/Q_{ga} * DPL_j$$

where

DPL_j = ground depletion factor for j^{th} distance interpolated from Table 2.2.5.5.1-2 from Regulatory Guide 1.111

If the MIDEX switch is on for decayed X/Q and depletion then

$$\text{decayed } X/Q_{gd} = X/Q_{gd} * e^{(-1.00 * 10^{-6} * (X/\bar{u}_{m_e}))}$$

which yields an 8-day decay

(6) Ground Deposition (DEPOSN)

$$D/Q = \frac{DEP_j}{x * 0.3927} * T_f$$

where

T_f = 1 if terrain correction not selected.
0.3927 = radians per 22-1/2 degree direction sector
x = The jth distance (m)
DEP_j = ground deposition factor for the jth distance interpolated from Table 2.2.5.5.1-3 from Regulatory Guide 1.111

(7) Elevated Depletion (DPLETN). Note uses same name since only one value is calculated for either elevated or ground level releases.

$$X/Q_{Depl_e} = X/Q_{ea} * DPL_j$$

where

DPL_j = elevated depletion factor interpolated from Table 2.2.5.5.1-2 for j^{th} distance as a function of plume height and stability from Regulatory Guide 1.111

If the MIDEX switch is on for decayed X/Q and depletion then

$$X/Q_{depl_e} = X/Q_{depl_e} * e^{(-1.00 * 10^{-6} * (X/\bar{u}_{m_e}))}$$

8) Elevated Deposition (DEPOSN). Uses same name as for ground since only one is calculated

$$D/Q_e = \frac{DEP_j * T_f}{x * 0.3927}$$

where

T_f = 1 if terrain correction not selected.

DEP_j = elevated deposition factor interpolated (or extrapolated if plume is above 100m) on a log to log basis for height and linear for distance from attached table (for the jth distance as a function of plume height above terrain and stability) from Regulatory Guide 1.111

x = as above

0.3927 = as above

(9) CALCULATION OF DISPERSION IF RELEASE IS PARTIALLY ELEVATED AND PARTIALLY IN THE WAKE OF BUILDINGS

During periods when wind speed is within limits specified below, both the ground and elevated equations are used and a mixed mode (wake split) model is used for computing dispersion. If the MIDEX switch is on for decayed X/Q and depletion then the decayed values are substituted in the following equation:

If mixed mode (wake split) is selected, the following general equation is used for computing dispersion:

$$X/Q_{wake} = ET * X/Q_{ga} + (1 - ET) * X/Q_{ea}$$

Similarly, for depletion and deposition, the parameter ET is used to weight the X/Q depletion and D/Q parameters. ET is defined as follows:

AP = exit velocity out stack/wind speed as before
ET = 1.0, if AP ≤ 1.0
ET = 2.58 - 1.58 * AP, if 1.0 < AP ≤ 1.5
ET = 0.3 - 0.06 * AP, if 1.5 < AP ≤ 5.0
ET = 0, if AP > 5.0

Refer to Regulatory Guide 1.111

Annual average values of X/Q, depleted X/Q, and D/Q can be used instead of hourly calculations. Parameter 79 of MIDEA controls this option. When annual average values are selected, the X/Q, depleted X/Q and D/Q are entered for 10 distances and 16 directions in MIDEN data tables. For each hour, the wind direction is used to define the affected sector then the appropriate values from the tables are used in the dose calculations.

Addendum A
Meteorological Data File Format

DRWK - Hourly Meteorological Workspace File, 6 months (4416 records)

Changed by: MIDCM, MIDEM, SAVRES, WGTZ
Used by: All meteorological processing programs

Repeat following record every hour.

Word Record Location**	Parameter	Description	Type*
1-4416 1-5	IDATE(5)	Date (yr,mo,day,hr,mn)	I
6	ISP(5,7)	Speed 1 average (mph x 10)	I
7		Speed 1 code	I
8		Speed 1 standard deviation (mph x 10)	I
9		Speed 1 minimum (mph x 10)	I
10		Speed 1 maximum (mph x 10)	I
11		Speed 2 average (mph x 10)	I
12		Speed 2 code	I
13		Speed 2 standard deviation (mph x 10)	I
14		Speed 2 minimum (mph x 10)	I
14		Speed 2 minimum (mph x 10)	I

E-76 of 88

15		Speed 2 maximum (mph x 10)	I
16		Speed 3 average (mph x 10)	I
17		Speed 3 code	I
18		Speed 3 standard deviation (mph x 10)	I
19		Speed 3 minimum (mph x 10)	I
20		Speed 3 maximum (mph x 10)	I
21		Speed 4 average (mph x 10)	I
22		Speed 4 code	I
23	ISP(5,7)	Speed 4 standard deviation (mph x 10)	I
24		Speed 4 minimum (mph x 10)	I
25		Speed 4 maximum (mph x 10)	I
26		Speed 5 average (mph x 10)	I
27		Speed 5 code	I
28		Speed 5 standard deviation (mph x 10)	I
29		Speed 5 minimum (mph x 10)	I

29

30		Speed 5 maximum (mph x 10)	I
31		Speed 6 average (mph x 10)	I
32		Speed 6 code	I
33		Speed 6 standard deviation (mph x 10)	I
34		Speed 6 minimum (mph x 10)	I
35		Speed 6 maximum (mph x 10)	I
36		Speed 7 average (mph x 10)	I
37		Speed 7 code	I
38		Speed 7 standard deviation (mph x 10)	I
39		Speed 7 minimum (mph x 10)	I
40		Speed 7 maximum (mph x 10)	I
41	IDR(5,6)	Direction 1 average (degrees)	I
42		Direction 1 code	I
43		Direction 1 standard deviation (degrees)	I
44		Direction 1 minimum (degrees)	I

E-80 988

45	IDR(5,6) (Cont)	Direction 1 maximum (degrees)	I
46		Direction 2 average (degrees)	I
47		Direction 2 code	I
48		Direction 2 standard deviation (degrees)	I
49		Direction 2 minimum (degrees)	I
50		Direction 2 maximum (degrees)	I
51		Direction 3 average (degrees)	I
52		Direction 3 code	I
53		Direction 3 standard deviation (degrees)	I
54		Direction 3 minimum (degrees)	I
55		Direction 3 maximum (degrees)	I
56		Direction 4 average (degrees)	I
57		Direction 4 code	I
58		Direction 4 standard deviation (degrees)	I
59		Direction 4 minimum (degrees)	I

F-8.1 A86

60		Direction 4 maximum (degrees)	I
61		Direction 5 average (degrees)	I
62		Direction 5 code	I
63		Direction 5 standard deviation (degrees)	I
64		Direction 5 minimum (degrees)	I
65		Direction 5 maximum (degrees)	I
66		Direction 6 average (degrees)	I
67	IDR(5,6) (Cont)	Direction 6 code	I
68		Direction 6 standard deviation (degrees)	I
69		Direction 6 minimum (degrees)	I
70		Direction 6 maximum (degrees)	I
71	ITP(2,6)	Temperature 1 average (degrees F x 10)	I
72		Temperature 1 code	I
73		Temperature 2 average (degrees F x 10)	I

74		Temperature 2 code	I
75		Temperature 3 average (degrees F x 10)	I
76		Temperature 3 code	I
77		Temperature 4 average (degrees F x 10)	I
78		Temperature 4 code	I
79		Temperature 5 average (degrees F x 10)	I
80		Temperature 5 code	I
81		Temperature 6 average (degrees F x 10)	I
82		Temperature 6 code	I
83	IDT(2,4)	Delta temperature 1 average (degrees F x 10)	I
84		Delta temperature 1 code	I
85		Delta temperature 2 average (degrees F x 10)	I
86	IDT(2,4) (Cont)	Delta temperature 2 code	I
87		Delta temperature 3	I
87			

		average (degrees F x 10)	
88		Delta temperature 3 code	I
89		Delta temperature 4 average (degrees F x 10)	I
90		Delta temperature 4 code	I
91	MISC(2,8)	Miscellaneous 1 average	I
92		Miscellaneous 1 code	I
93		Miscellaneous 2 average	I
94		Miscellaneous 2 code	I
95		Miscellaneous 3 average	I
96		Miscellaneous 3 code	I
97		Miscellaneous 4 average	I
98		Miscellaneous 4 code	I
99		Miscellaneous 5 average	I
100		Miscellaneous 5 code	I
101		Miscellaneous 6 average	I
102		Miscellaneous 6 code	I
102		[illegible]	I

[illegible] 8

103		Miscellaneous 7 average	I
104		Miscellaneous 7 code	I
105		Miscellaneous 8 average	I
106		Miscellaneous 8 code	I
107	IRAIN(2)	Rain average (inches x 100)	I
108		Rain code	I

E-8 of 88

Addendum B
Tables used from Regulatory Guides 1.145 and 1.111

VALUES OF σ_Y AND σ_Z FROM PASQUILL-GIFFORD CURVES IN REGULATORY GUIDE 1.145

Distance (meters)	σ_y (m) Stability Class A	B	C	D	E	F	G
200	44	33	25	16	12	8	6
500	109	80	58	39	28	20	15
1000	205	151	109	74	54	38	28
2000	390	287	205	140	101	70	53
3000	550	415	300	200	145	101	71
6000	1000	760	550	365	270	184	140
10000	1550	1180	850	560	410	285	195
30000	3800	2950	2200	1400	1015	705	480
50000	5800	4500	3400	2150	1650	1080	730
80000	7400	6500	5000	3200	2400	1600	1100

Distance (meters)	σ_z (m) Stability Class A	B	C	D	E	F	G
200	31	21	15	10	6	4	3
500	120	55	34	19	13	8	5
1000	530	124	64	32	21	13	8
2000	1000	340	120	52	34	20	13
3000	1000	800	170	68	44	25	16
6000	1000	1000	300	110	71	35	23
10000	1000	1000	450	147	85	45	28
30000	1000	1000	1000	275	130	65	40
50000	1000	1000	1000	350	155	75	50
80000	1000	1000	1000	460	180	85	55

E-00 8/88

DEPLETION FACTORS FROM FIGURES 2 THROUGH 5 OF REGULATORY GUIDE 1.111

Height of Release (m)	Pasquill Stability Class	Distance (meters) 200	500	1,000	2,000	3,000	6,000	10,000	30,000	50,000	80,000
Ground	All	0.970	0.936	0.900	0.860	0.832	0.770	0.714	0.590	0.517	0.440
30	A,B,C,	0.990	0.964	0.935	0.900	0.875	0.828	0.793	0.680	0.590	0.478
30	D	1.000	0.985	0.960	0.920	0.900	0.850	0.810	0.707	0.650	0.593
30	E,F,G	1.000	1.000	1.000	1.000	1.000	1.000	0.970	0.792	0.664	0.546
60	A,B,C	1.000	0.985	0.967	0.942	0.928	0.878	0.839	0.700	0.617	0.500
60	D	1.000	1.000	1.000	0.970	0.950	0.910	0.870	0.767	0.707	0.646
60	E,F,G	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.977
100	A,B,C	1.000	1.000	0.978	0.950	0.932	0.885	0.850	0.725	0.628	0.500
100	D	1.000	1.000	1.000	0.989	0.982	0.946	0.910	0.807	0.746	0.685
100	E,F,G	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

E-87888

DEPOSITION FACTORS FROM FIGURES 6 THROUGH 9 OF REGULATORY GUIDE 1.111 (m^{-1})*

Height of Release (m)	Pasquill Stability Class	Distance (meters) 200	500	1,000	2,000	3,000	6,000	10,000	30,000	50,000	80,000
Ground	All	1.25-4	8.0-5	5.4-5	3.2-5	2.6-5	1.5-5	9.9-6	4.5-6	3.0-6	2.0-6
30	A,B,C,	1.1-4	8.0-5	4.2-5	2.4-5	1.8-5	1.1-5	8.0-6	4.8-6	4.0-6	3.5-6
30	D	5.5-6	4.1-6	4.8-5	3.0-5	2.4-5	1.3-5	8.0-6	3.4-6	2.3-6	1.6-6
30	E,F,G	1.0-11	1.0-10	1.0-9	1.0-8	1.0-7	2.0-6	6.3-6	8.8-6	5.3-6	3.0-6
60	A,B,C	1.8-5	4.4-5	3.8-5	2.4-5	1.8-5	1.1-5	8.2-6	5.0-6	4.2-6	3.5-6
60	D	2.8-7	5.5-6	1.6-5	2.0-5	1.8-5	1.3-5	8.9-6	3.6-6	2.5-6	1.7-6
60	E,F,G	1.0-14	1.0-13	1.0-12	1.0-11	1.0-10	1.0-9	1.0-8	1.6-8	2.0-7	6.8-7
100	A,B,C	4.0-6	2.6-5	3.3-5	2.4-5	1.7-5	1.1-5	8.1-6	5.0-6	4.5-6	3.7-6
100	D	1.0-8	2.6-7	2.5-6	9.0-6	1.1-5	1.0-5	7.5-6	3.9-6	2.8-6	1.9-6
100	E,F,G	1.0-15	1.0-15	1.0-18	1.0-15	1.0-15	1.0-15	1.0-15	1.0-15	1.0-15	1.0-15

*The notation used in this table is the mantissa and the exponent. For example 1.25-4 means 1.25×10^{-4}.

E-88988

Attachment F

WINDOW Output Results for Each of 5-Years

```
1

                    ***********************************************
                    *                                             *
                    *   PPL YEAR 1999 DT 60-10A                   *
                    *                                             *
                    *   REQUEST NUMBER PPL YEAR 199               *
                    *                                             *
                    *   PERIOD OF RECORD  99 1 1 1 0 TO 99123124 0 *
                    *                                             *
                    *   COMPUTER RUN OF   8-NOV-04***             *
                    *                                             *
                    *   TAPE 3 SAVE FILE  FILE3NAME               *
                    *                                             *
                    ***********************************************

1

                    ***********************************************
                    *                                             *
                    *   PPL YEAR 1999 DT 60-10A                   *
                    *                                             *
                    *   REQUEST NUMBER PPL YEAR 199               *
                    *                                             *
                    *   PERIOD OF RECORD  99 1 1 1 0 TO 99123124 0 *
                    *                                             *
                    *   COMPUTER RUN OF   8-NOV-04***             *
                    *                                             *
                    *   TAPE 3 SAVE FILE  FILE3NAME               *
                    *                                             *
                    ***********************************************

YEAR   1PPL YEAR 1999 DT 60-10A          8-NOV-04***                                    PAGE      1
TION   0DILUTION PROCESSING SELECTED

OW C    WINDOW OPTION SELECTED
 OPT    NRTS OPTION IS  0   DISTANCE EXPONENTS FOR SIGMA Y      0.00      0.00
ATER    0ELEVATER X/Q COMPUTED FOR PEAK BEYOND DISTANCE READ IN
LUME   0NO PLUME RISE SELECTED
D LE   0SPEED LESS THAN  0.0 USE ELEVATED EQUATIONS FOR GROUND COMPUTATION
CH T   0BRANCH TECNICAL POSITION PROCESSING FOR MEANDER SELECTED
HORI   0FOR HORIZONTAL DIFFUSION
UTIL    PASQUILL DIFFUSION SELECTED
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R VE     0FOR VERTICAL DIFFUSION
SQUI      PASQUILL DIFFUSION SELECTED
LMS      0CALMS PROCESSING ----    2
ALM        CALM       SPEED        DIRECTION      DIFFUSION      SPEED GROUP    FACTOR
 1           1        CARDS          CALM HR        CARDS          CARDS        YES
 2           2        CARDS          CALM HR        CALM HR        CARDS        NO
 3           3    NON CALM HR   NON CALM HR    NON CALM HR    NON CALM HR      NO
 4           4        CARDS      NON CALM HR        CARDS          CARDS        YES
 5           5        CARDS      NON CALM HR        CALM HR        CARDS        NO

ENTE     0 CENTERLINE, AVERAGE CUT OFF AT   8 HOURS
L YE     1PPL YEAR 1999 DT 60-10A            8-NOV-04***                                          PAGE      2
INDO     0 WINDOW LENGTHS SELECTED
                1         2         8         16        72        624
EEDS     0SPEEDS EXCLUDED LT     0
OUP      0GROUP SPEED UPPER LIMIT
 1           1        0.5
 2           2        3.5
 3           3        7.5
 4           4       12.5
 5           5      999.0

OUP      0GROUP UPPER TEMPERATURE LIMIT
 1           1        -10
 2           2         -9
 3           3         -8
 4           4         -3
 5           5          8
 6           6         24
 7           7         24+
OUP :    0GROUP RANGE UPPER LIMIT
 7           7         12
 6           6         22
 5           5         45
 4           4         75
 3           3        105
 2           2        135
 1           1        360
OUP      0GROUP S UPPER LIMITS
 7           7        0.0
 6           6        0.0
 5           5        0.0
 4           4        0.0
 3           3        0.0
 2           2        0.0
 1 ,         1 GT     0.0
TE S      SITE SQ
T SE      MET SELECTION
EED       SPEED          1
RECT      DIRECTION      1
LTE '     DELTE TEMP     1
( BU      DRY BULB       1
W PO      DEW POINT
L YE     1PPL YEAR 1999 DT 60-10A            8-NOV-04***                                          PAGE      3


                                          PASQUILL GROUPS
ND GI     WIND GROUP                        TEMPERATURE GROUP
                                     A         B         C         D         E         F         G
                1                    1         2         3         4         5         6         7
```

```
          2        1        2        3        4        5        6        7
          3        1        2        3        4        5        6        7
          4        1        2        3        4        5        6        7
          5        1        2        3        4        5        6        7

ANTI:   QUANTIZATION LEVELS
).10:     0.100000E-09  0.350000E-08  0.100000E-07  0.250000E-07  0.700000E-07  0.100000E-06  0.150000E-06
).22:     0.220000E-06  0.320000E-06  0.480000E-06  0.700000E-06  0.100000E-05  0.150000E-05  0.200000E-05
).30:     0.300000E-05  0.400000E-05  0.500000E-05  0.700000E-05  0.850000E-05  0.100000E-04  0.150000E-04
).20:     0.200000E-04  0.250000E-04  0.300000E-04  0.350000E-04  0.400000E-04  0.500000E-04  0.600000E-04
).70      0.700000E-04  0.850000E-04  0.100000E-03  0.130000E-03  0.170000E-03  0.200000E-03  0.250000E-03
).30:     0.300000E-03  0.350000E-03  0.400000E-03  0.500000E-03  0.600000E-03  0.700000E-03  0.850000E-03
).10:     0.100000E-02  0.140000E-02  0.200000E-02  0.300000E-02  0.400000E-02
UPP:    0   UPPER HEIGHT   LOWER HEIGHT   EXPONENTS FOR SPEED CORRECTION      EXPONENTS FOR RANGE CORRECTION
                33.0           33.0 0.250 0.250 0.250 0.330 0.500 0.500 0.500      0.000 0.000 0.000 0.000 0.000 0.000 0.000
PONE:   0EXPONENTIAL SPEED CORRECTION TO BE PERFORMED
SQUI:    PASQUILL DIFFUSION GROUPS USED AS EXPONENT SELECTOR
.TA '   0DELTA TEMPERATURE CORRECTION =     0.100000E+01
JILD:   0 BUILDING WAKE LIMIT ON X/Q SET TO 1/3
JMA ]    SIGMA REDUCTION FACTORS 1.00 1.00
4IGA'   0FUMIGATION OFF
. YE.   1PPL YEAR 1999 DT 60-10A            8-NOV-04***                                                          PAGE      4
RIZO:    HORIZONTAL DIFFUSION COEFFICIENTS GROUND RELEASE(SIGY, NO DELTA DISTANCE)
          N     0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
3         NNE   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
          NE    0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
3         ENE   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
          E     0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
3         ESE   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
          SE    0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
3         SSE   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
          S     0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
4         SSW   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
          SW    0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
4         WSW   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
          W     0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
4         WNW   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
          NW    0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
4         NNW   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
RTIC.    0VERTICAL DIFFUSION COEFFICIENTS(LE.  8) GROUND RELEASE(SIG24, NO DELTA DISTANCE)
          N     0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
3         NNE   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
          NE    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
3         ENE   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
          E     0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
3         ESE   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
          SE    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
3         SSE   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
          S     0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
4         SSW   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
          SW    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
4         WSW   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
          W     0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
4         WNW   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
          NW    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
4         NNW   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
RTIC.    0VERTICAL DIFFUSION COEFFICIENTS(GT.  8) GROUND RELEASE(SIGAV, WITH DELTA DISTANCE)
          N     0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
```

NNE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+
NE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
ENE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
E	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
ESE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SSE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
S	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SSW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
WSW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
W	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
WNW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
NW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
NNW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02

IZO 0HORIZONTAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(SIYEL, NO DELTA DISTANCE)

N	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NNE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
ENE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
E	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
ESE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
SE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
SSE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
S	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
SSW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
SW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
WSW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
W	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
WNW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NNW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03

TIC 0VERTICAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(SIZEL, NO DELTA DISTANCE)

N	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
NNE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
NE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
ENE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
E	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
ESE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
SE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
SSE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
S	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
SSW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
SW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
WSW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
W	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
WNW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
NW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
NNW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03

TIC 0VERTICAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(GT. 8) GROUND RELEASE(SIZAV, WITH DELTA DISTANCE)

N	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
NNE	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
NE	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
ENE	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
E	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
ESE	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
SE	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
SSE	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
S	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03

SSW	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
SW	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
WSW	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
W	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
WNW	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
NW	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
NNW	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03

1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 6

DELTA DISTANCE

0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00

NOTE: THE FOLLOWING DISTANCES ARE ENTERED IN WIND GROUPS FROM - NOT TOWARDS, E.G. GROUP 1 IS FROM N WHERE DISTANCE IS THE VALUE FROM PLANT TO SOUTH BOUNDARY

GROUND	GROUND RELEASE DISTANCE	ELEVATED RELEASE DISTANCE
N	549.0	4827.0
NNE	549.0	4827.0
NE	549.0	4827.0
ENE	549.0	4827.0
E	549.0	4827.0
ESE	549.0	4827.0
SE	549.0	4827.0
SSE	549.0	4827.0
S	549.0	4827.0
SSW	549.0	4827.0
SW	549.0	4827.0
WSW	549.0	4827.0
W	549.0	4827.0
WNW	549.0	4827.0
NW	549.0	4827.0
NNW	549.0	4827.0

BUILDING WAKE EFFECTS,C = 0.500 A = 2685.000 EFFECTIVE STACK HEIGHT 0.0

FOR CALMS ISPG = 1 KWRGY = 0 KWRGZ = 0 FIXED SPEED = 0.4

SIGMS Y GROUP FACTOR = 1.00SIGMA Z GROUP FACTOR = 1.00DELTA HEIGHT =164.0

MINIMUM NON ZERO SPEED = 0.8

ADJUSTED STACK HEIGHT PARAMETERS C = 0.00 VS = 0.00 DIAMETER = 0.00 RELEASE RATE = 0.0000E+00

HEIGHT OF CONTAINMENT= 60.0

MAX VALUE OF SIGMA= 1000.0

terrain factor for plume height adjustment 0.00

1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 7

YE	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
1 1	99 1 1 1 0	10	6	1.2	2	101	E	0	0	360	6	6	4.00	3	0.751717E-03	0.442869E-03	0.765694E-04	0.198228E-04	0.	0.0
1 1	99 1 1 2 0	3	5	1.8	2	165	SSE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
1 1	99 1 1 3 0	7	5	1.4	2	142	SE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
1 1	99 1 1 4 0	14	6	1.2	2	121	ESE	0	0	360	6	6	4.00	3	0.751717E-03	0.442869E-03	0.765694E-04	0.198228E-04	0.	0.0
1 1	99 1 1 5 0	21	6	1.4	2	106	ESE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
1 1	99 1 1 6 0	18	6	3.0	2	180	S	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
1 1	99 1 1 7 0	-1	5	6.3	3	250	WSW	0	0	360	5	5	2.13	3	0.121758E-03	0.538368E-04	0.708105E-05	0.235840E-05	0.	0.0
1 1	99 1 1 8 0	-2	5	7.9	4	229	SW	0	0	360	5	5	1.70	1	0.104432E-03	0.429332E-04	0.607012E-05	0.188075E-05	0.	0.0
1 1	99 1 1 9 0	-2	5	9.7	4	229	SW	0	0	360	5	5	1.38	1	0.850529E-04	0.349662E-04	0.523011E-05	0.153175E-05	0.	0.0
1 1	99 1 110 0	-5	4	10.1	4	232	SW	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
1 1	99 1 111 0	-6	4	11.5	4	238	WSW	0	0	360	4	4	1.10	1	0.478530E-04	0.228361E-04	0.211407E-05	0.853981E-06	0.	0.0
1 1	99 1 112 0	-6	4	11.9	4	252	WSW	0	0	360	4	4	1.08	1	0.462445E-04	0.220685E-04	0.205218E-05	0.825275E-06	0.	0.0
1 1	99 1 113 0	-5	4	13.2	5	302	WNW	0	0	360	4	4	1.01	1	0.416901E-04	0.198951E-04	0.185080E-05	0.743998E-06	0.	0.0
1 1	99 1 114 0	-6	4	12.1	4	284	WNW	0	0	360	4	4	1.07	1	0.454802E-04	0.217037E-04	0.201906E-05	0.811634E-06	0.	0.0
1 1	99 1 115 0	-6	4	11.7	4	312	NW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
1 1	99 1 116 0	-5	4	12.1	4	327	NNW	0	0	360	4	4	1.07	1	0.454802E-04	0.217037E-04	0.201906E-05	0.811634E-06	0.	0.0
1 1	99 1 117 0	-5	4	11.7	4	344	NNW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
1 1	99 1 118 0	-5	4	10.8	4	340	NNW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
1 1	99 1 119 0	-4	4	10.1	4	349	N	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0

1	12	99	1	120	0	-4	4	9.0	4	346	NNW	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
1	12	99	1	121	0	-4	4	7.9	4	353	N	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
1	12	99	1	122	0	-4	4	9.0	4	357	N	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
1	12	99	1	123	0	-4	4	7.9	4	360	N	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
1	12	99	1	124	0	-4	4	5.6	3	12	NNE	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
1	2	99	1	2	1	0	-4	4	5.2	3	22	NNE	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
1	2	99	1	2	2	0	-3	4	3.9	3	7	N	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
1	2	99	1	2	3	0	-3	4	2.7	2	336	NNW	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
1	2	99	1	2	4	0	-1	5	2.1	2	87	E	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1	2	99	1	2	5	0	5	5	3.0	2	56	NE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1	2	99	1	2	6	0	-1	5	1.6	2	146	SE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1	2	99	1	2	7	0	3	5	1.6	2	91	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1	2	99	1	2	8	0	2	5	1.8	2	88	E	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
1	2	99	1	2	9	0	0	5	2.1	2	76	ENE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1	21	99	1	210	0	-4	4	1.8	2	99	E	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
1	21	99	1	211	0	-6	4	2.3	2	124	SE	0	0	360	4	4	2.00	3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0
1	21	99	1	212	0	-7	4	3.6	3	231	SW	0	0	360	4	4	2.00	3	0.114130E-03	0.729486E-04	0.576935E-05	0.272799E-05	0.	0.0
1	21	99	1	213	0	-7	4	3.2	2	218	SW	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
1	21	99	1	214	0	-7	4	3.0	2	232	SW	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
1	21	99	1	215	0	-7	4	5.0	3	62	ENE	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
1	21	99	1	216	0	-6	4	6.3	3	82	E	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
1	21	99	1	217	0	-6	4	5.0	3	72	ENE	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
1	21	99	1	218	0	-6	4	4.1	3	34	NE	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
1	21	99	1	219	0	-5	4	3.2	2	65	ENE	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
1	22	99	1	220	0	-4	4	5.0	3	96	E	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
1	22	99	1	221	0	-5	4	6.1	3	104	ESE	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
1	22	99	1	222	0	-5	4	5.6	3	79	E	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
1	22	99	1	223	0	-5	4	5.6	3	104	ESE	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
1	22	99	1	224	0	-5	4	8.3	4	111	ESE	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
1	3	99	1	3	1	0	-4	4	7.7	4	88	E	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0
1	3	99	1	3	2	0	-3	4	6.3	3	30	NNE	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
1	3	99	1	3	3	0	-4	4	11.2	4	100	E	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
1	3	99	1	3	4	0	-4	4	16.2	5	115	ESE	0	0	360	4	4	0.00	1	0.339697E-04	0.162108E-04	0.150806E-05	0.606221E-06	0.	0.0
1	3	99	1	3	5	0	-4	4	19.1	5	116	ESE	0	0	360	4	4	0.00	1	0.288120E-04	0.137495E-04	0.127909E-05	0.514177E-06	0.	0.0
1	3	99	1	3	6	0	-3	4	22.4	5	119	ESE	0	0	360	4	4	0.00	1	0.245674E-04	0.117239E-04	0.109065E-05	0.438427E-06	0.	0.0
1	3	99	1	3	7	0	-3	4	21.1	5	120	ESE	0	0	360	4	4	0.00	1	0.260810E-04	0.124462E-04	0.115785E-05	0.465440E-06	0.	0.0

YEA 1PFL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 8

Z		ODATE				TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE 8	XQ GT 8	XQ(ELEV)	LE 8	XQ(ELV)	GT 8	H2 TER	
1	3	99	1	3	8	0	-2	5	15.7	5	128	SE	0	0	360	5	5	0.00	1	0.525486E-04	0.216033E-04	0.336615E-05	0.946366E-06	0.	0.0
1	3	99	1	3	9	0	0	5	7.2	3	208	SSW	0	0	360	5	5	1.86	1	0.114585E-03	0.471072E-04	0.647452E-05	0.206360E-05	0.	0.0
1	31	99	1	310	0	-1	5	9.7	4	47	NE	0	0	360	5	5	1.38	1	0.850529E-04	0.349662E-04	0.523011E-05	0.153175E-05	0.	0.0
1	31	99	1	311	0	-1	5	8.3	4	36	NE	0	0	360	5	5	1.62	1	0.993991E-04	0.408641E-04	0.586094E-05	0.179011E-05	0.	0.0
1	31	99	1	312	0	0	5	2.3	2	212	SSW	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1	31	99	1	313	0	-2	5	3.0	2	213	SSW	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1	31	99	1	314	0	-4	4	3.6	3	212	SSW	0	0	360	4	4	2.00	3	0.114130E-03	0.729486E-04	0.576935E-05	0.272799E-05	0.	0.0
1	31	99	1	315	0	-5	4	3.6	3	222	SW	0	0	360	4	4	2.00	3	0.114130E-03	0.729486E-04	0.576935E-05	0.272799E-05	0.	0.0
1	31	99	1	316	0	-4	4	7.7	4	265	W	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0
1	31	99	1	317	0	-4	4	8.3	4	272	W	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
1	31	99	1	318	0	-3	4	10.6	4	250	WSW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
1	31	99	1	319	0	-3	4	12.6	5	254	WSW	0	0	360	4	4	1.04	1	0.436754E-04	0.208424E-04	0.193894E-05	0.779427E-06	0.	0.0
1	32	99	1	320	0	-4	4	13.9	5	250	WSW	0	0	360	4	4	0.00	1	0.395906E-04	0.188932E-04	0.175760E-05	0.706531E-06	0.	0.0
1	32	99	1	321	0	-4	4	13.0	5	251	WSW	0	0	360	4	4	1.02	1	0.423315E-04	0.202011E-04	0.187928E-05	0.755444E-06	0.	0.0
1	32	99	1	322	0	-4	4	8.3	4	244	WSW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
1	32	99	1	323	0	-4	4	10.3	4	254	WSW	0	0	360	4	4	1.18	1	0.534281E-04	0.254966E-04	0.232530E-05	0.953473E-06	0.	0.0
1	32	99	1	324	0	-5	4	14.8	5	255	WSW	0	0	360	4	4	0.00	1	0.371831E-04	0.177442E-04	0.165072E-05	0.663566E-06	0.	0.0
1	4	99	1	4	1	0	-5	4	13.5	5	249	WSW	0	0	360	4	4	0.00	1	0.407637E-04	0.194530E-04	0.180968E-05	0.727465E-06	0.	0.0
1	4	99	1	4	2	0	-5	4	13.2	5	253	WSW	0	0	360	4	4	1.01	1	0.416901E-04	0.198951E-04	0.185080E-05	0.743998E-06	0.	0.0
1	4	99	1	4	3	0	-5	4	13.7	5	265	W	0	0	360	4	4	0.00	1	0.401686E-04	0.191690E-04	0.178326E-05	0.716845E-06	0.	0.0
1	4	99	1	4	4	0	-5	4	10.1	4	256	WSW	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
1	4	99	1	4	5	0	-5	4	11.7	4	238	WSW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
1	4	99	1	4	6	0	-4	4	10.3	4	236	SW	0	0	360	4	4	1.18	1	0.534281E-04	0.254966E-04	0.232530E-05	0.953473E-06	0.	0.0

EC-ENVR-1057
Page 257

1 4	99 1 4 7 0	-5 4	10.8 4	235 SW	0	0	360	4	4	1.15 1	0.509546E 04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
1 4	99 1 4 8 0	-5 4	12.4 4	240 WSW	0	0	360	4	4	1.05 1	0.443798E-04	0.211786E-04	0.197021E-05	0.791998E-06	0.	0.0
1 4	99 1 4 9 0	-5 4	11.2 4	233 SW	0	0	360	4	4	1.12 1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
1 41	99 1 410 0	-6 4	13.2 5	238 WSW	0	0	360	4	4	1.01 1	0.416901E-04	0.198951E-04	0.185080E-05	0.743998E-06	0.	0.0
1 41	99 1 411 0	-7 4	14.6 5	240 WSW	0	0	360	4	4	0.00 1	0.376925E-04	0.179873E-04	0.167333E-05	0.672656E-06	0.	0.0
1 41	99 1 412 0	-7 4	17.5 5	245 WSW	0	0	360	4	4	0.00 1	0.314463E-04	0.150066E-04	0.139604E-05	0.561187E-06	0.	0.0
1 41	99 1 413 0	-7 4	15.7 5	248 WSW	0	0	360	4	4	0.00 1	0.350516E-04	0.167271E-04	0.155609E-05	0.625527E-06	0.	0.0
1 41	99 1 414 0	-7 4	15.3 5	241 WSW	0	0	360	4	4	0.00 1	0.359680E-04	0.171644E-04	0.159677E-05	0.641881E-06	0.	0.0
1 41	99 1 415 0	-7 4	13.9 5	251 WSW	0	0	360	4	4	0.00 1	0.395906E-04	0.188932E-04	0.175760E-05	0.706531E-06	0.	0.0
1 41	99 1 416 0	-6 4	14.6 5	249 WSW	0	0	360	4	4	0.00 1	0.376925E-04	0.179873E-04	0.167333E-05	0.672656E-06	0.	0.0
1 41	99 1 417 0	-6 4	13.0 5	243 WSW	0	0	360	4	4	1.02 1	0.423315E-04	0.202011E-04	0.187928E-05	0.755444E-06	0.	0.0
1 41	99 1 418 0	-5 4	11.0 4	250 WSW	0	0	360	4	4	1.13 1	0.500282E-04	0.238741E-04	0.219708E-05	0.892798E-06	0.	0.0
1 41	99 1 419 0	-4 4	8.3 4	243 WSW	0	0	360	4	4	1.35 1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
1 42	99 1 420 0	-4 4	7.9 4	231 SW	0	0	360	4	4	1.40 1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
1 42	99 1 421 0	-3 4	7.4 3	215 SW	0	0	360	4	4	1.46 1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
1 42	99 1 422 0	-4 4	8.8 4	227 SW	0	0	360	4	4	1.31 1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0
1 42	99 1 423 0	-4 4	11.2 4	232 SW	0	0	360	4	4	1.12 1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
1 42	99 1 424 0	-5 4	10.6 4	236 SW	0	0	360	4	4	1.16 1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
1 5	99 1 5 1 0	-4 4	7.2 3	220 SW	0	0	360	4	4	1.48 1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1 5	99 1 5 2 0	-4 4	8.1 4	230 SW	0	0	360	4	4	1.38 1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
1 5	99 1 5 3 0	-4 4	4.5 3	211 SSW	0	0	360	4	4	1.99 3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
1 5	99 1 5 4 0	-4 4	4.7 3	219 SW	0	0	360	4	4	1.94 3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
1 5	99 1 5 5 0	-5 4	3.4 2	225 SW	0	0	360	4	4	2.00 3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
1 5	99 1 5 6 0	-6 4	3.2 2	248 WSW	0	0	360	4	4	2.00 3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
1 5	99 1 5 7 0	-6 4	2.7 2	252 WSW	0	0	360	4	4	2.00 3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
1 5	99 1 5 8 0	-6 4	2.3 2	144 SE	0	0	360	4	4	2.00 3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0
1 5	99 1 5 9 0	-5 4	4.7 3	222 SW	0	0	360	4	4	1.94 3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
1 51	99 1 510 0	-9 2	5.2 3	231 SW	0	0	360	2	2	0.00 1	0.236064E-04	0.239806E-04	0.217462E-06	0.180858E-06	0.	0.0
1 51	99 1 511 0	-12 1	7.9 4	224 SW	0	0	360	1	1	0.00 1	0.516436E-05	0.714821E-05	0.106729E-06	0.119046E-06	0.	0.0
1 51	99 1 512 0	-13 1	8.8 4	229 SW	0	0	360	1	1	0.00 1	0.463619E-05	0.641714E-05	0.958134E-07	0.106871E-06	0.	0.0
1 51	99 1 513 0	-10 1	5.2 3	236 SW	0	0	360	1	1	0.00 1	0.784586E-05	0.108598E-04	0.162146E-06	0.180858E-06	0.	0.0
1 51	99 1 514 0	-12 1	7.7 4	222 SW	0	0	360	1	1	0.00 1	0.529850E-05	0.733388E-05	0.109501E-06	0.122138E-06	0.	0.0

YEA 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 9

F	ODATE	TEMP GP	SPED GP	DIR GP	RA	RB	RANG	IRY	IRZ	XQ	LE 8	XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	H2	TER
1 51	99 1 515 0	-12 1	9.9 4	220 SW	0	0	360	1	1	0.00 1	0.412106E-05	0.570413E-05	0.851675E-07	0.949961E-07	0.	0.0
1 51	99 1 516 0	-9 2	7.2 3	243 WSW	0	0	360	2	2	0.00 1	0.170490E-04	0.173193E-04	0.157056E-06	0.130620E-06	0.	0.0
1 51	99 1 517 0	-9 2	7.7 4	224 SW	0	0	360	2	2	0.00 1	0.159420E-04	0.161947E-04	0.146857E-06	0.122138E-06	0.	0.0
1 51	99 1 518 0	-6 4	7.2 3	214 SW	0	0	360	4	4	1.48 1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1 51	99 1 519 0	0 5	4.1 3	220 SW	0	0	360	5	5	3.00 3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
1 52	99 1 520 0	4 5	2.1 2	188 S	0	0	360	5	5	3.00 3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 52	99 1 521 0	4 5	2.3 2	208 SSW	0	0	360	5	5	3.00 3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1 52	99 1 522 0	3 5	2.1 2	120 ESE	0	0	360	5	5	3.00 3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 52	99 1 523 0	3 5	1.6 2	133 SE	0	0	360	5	5	3.00 3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 52	99 1 524 0	6 5	3.2 2	193 SSW	0	0	360	5	5	3.00 3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
1 6	99 1 6 1 0	2 5	2.5 2	182 S	0	0	360	5	5	3.00 3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
1 6	99 1 6 2 0	2 5	3.4 2	195 SSW	0	0	360	5	5	3.00 3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
1 6	99 1 6 3 0	4 5	3.0 2	195 SSW	0	0	360	5	5	3.00 3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1 6	99 1 6 4 0	2 5	2.1 2	164 SSE	0	0	360	5	5	3.00 3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 6	99 1 6 5 0	5 5	1.8 2	140 SE	0	0	360	5	5	3.00 3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
1 6	99 1 6 6 0	2 5	1.8 2	121 ESE	0	0	360	5	5	3.00 3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
1 6	99 1 6 7 0	3 5	1.6 2	102 ESE	0	0	360	5	5	3.00 3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 6	99 1 6 8 0	4 5	2.1 2	90 E	0	0	360	5	5	3.00 3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 6	99 1 6 9 0	4 5	1.6 2	109 ESE	0	0	360	5	5	3.00 3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 61	99 1 610 0	1 5	1.6 2	113 ESE	0	0	360	5	5	3.00 3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 61	99 1 611 0	-2 5	4.5 3	197 SSW	0	0	360	5	5	2.98 3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
1 61	99 1 612 0	-6 4	7.4 3	211 SSW	0	0	360	4	4	1.46 1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
1 61	99 1 613 0	-7 4	9.9 4	210 SSW	0	0	360	4	4	1.21 1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
1 61	99 1 614 0	-7 4	8.6 4	203 SSW	0	0	360	4	4	1.32 1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
1 61	99 1 615 0	-6 4	6.5 3	202 SSW	0	0	360	4	4	1.58 3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
1 61	99 1 616 0	-6 4	6.5 3	204 SSW	0	0	360	4	4	1.58 3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
1 61	99 1 617 0	-5 4	8.3 4	206 SSW	0	0	360	4	4	1.35 1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0

EC-ENVR-1057
Page 258

1 61	99 1 618 0	-4 4	6.1 3	198 SSW	0	0	360	4	4	1.64 3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
1 61	99 1 619 0	-3 4	5.9 3	198 SSW	0	0	360	4	4	1.68 3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
1 62	99 1 620 0	-3 4	5.4 3	208 SSW	0	0	360	4	4	1.78 3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
1 62	99 1 621 0	-3 4	7.4 3	212 SSW	0	0	360	4	4	1.46 1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
1 62	99 1 622 0	-3 4	7.2 3	207 SSW	0	0	360	4	4	1.48 1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1 62	99 1 623 0	-3 4	5.2 3	191 S	0	0	360	4	4	1.82 3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
1 62	99 1 624 0	-3 4	3.6 3	217 SW	0	0	360	4	4	2.00 3	0.114130E-03	0.729486E-04	0.576935E-05	0.272799E-05	0.	0.0
1 7	99 1 7 1 0	-2 5	3.2 2	188 S	0	0	360	5	5	3.00 3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
1 7	99 1 7 2 0	-1 5	2.7 2	195 SSW	0	0	360	5	5	3.00 3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1 7	99 1 7 3 0	-3 4	1.8 2	93 E	0	0	360	4	4	2.00 3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
1 7	99 1 7 4 0	0 5	2.3 2	101 E	0	0	360	5	5	3.00 3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1 7	99 1 7 5 0	2 5	2.7 2	159 SSE	0	0	360	5	5	3.00 3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1 7	99 1 7 6 0	-1 5	3.0 2	205 SSW	0	0	360	5	5	3.00 3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1 7	99 1 7 7 0	-4 4	8.6 4	279 W	0	0	360	4	4	1.32 1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
1 7	99 1 7 8 0	-4 4	10.8 4	316 NW	0	0	360	4	4	1.15 1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
1 7	99 1 7 9 0	-4 4	9.7 4	332 NNW	0	0	360	4	4	1.23 1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
1 71	99 1 710 0	-5 4	6.5 3	286 WNW	0	0	360	4	4	1.58 3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
1 71	99 1 711 0	-5 4	10.1 4	277 W	0	0	360	4	4	1.20 1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
1 71	99 1 712 0	-6 4	9.4 4	294 WNW	0	0	360	4	4	1.25 1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
1 71	99 1 713 0	-6 4	10.6 4	287 WNW	0	0	360	4	4	1.16 1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
1 71	99 1 714 0	-8 3	12.8 5	254 WSW	0	0	360	3	3	0.00 1	0.199959E-04	0.145431E-04	0.482625E-06	0.290093E-06	0.	0.0
1 71	99 1 715 0	-7 4	11.2 4	266 W	0	0	360	4	4	1.12 1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
1 71	99 1 716 0	-8 3	11.2 4	240 WSW	0	0	360	3	3	0.00 1	0.228524E-04	0.166207E-04	0.551572E-06	0.331535E-06	0.	0.0
1 71	99 1 717 0	-7 4	11.0 4	242 WSW	0	0	360	4	4	1.13 1	0.500282E-04	0.238741E-04	0.219708E-05	0.892798E-06	0.	0.0
1 71	99 1 718 0	-5 4	10.6 4	235 SW	0	0	360	4	4	1.16 1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
1 71	99 1 719 0	-4 4	10.3 4	234 SW	0	0	360	4	4	1.18 1	0.534281E-04	0.254966E-04	0.232530E-05	0.953473E-06	0.	0.0
1 72	99 1 720 0	-3 4	9.9 4	238 WSW	0	0	360	4	4	1.21 1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
1 72	99 1 721 0	-3 4	7.7 4	248 WSW	0	0	360	4	4	1.42 1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0

YEA 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 10

E	ODATE	TEMP GP	SPED GP	DIR GP	RA	RB	RANG	IRY	IRZ		XQ LE 8	XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	H2	TER
1 72	99 1 722 0	-3 4	3.9 3	255 WSW	0	0	360	4	4	2.00 3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
1 72	99 1 723 0	-1 5	2.1 2	98 E	0	0	360	5	5	3.00 3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 72	99 1 724 0	-1 5	2.3 2	125 SE	0	0	360	5	5	3.00 3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1 8	99 1 8 1 0	-3 4	2.7 2	129 SE	0	0	360	4	4	2.00 3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
1 8	99 1 8 2 0	2 5	2.3 2	145 SE	0	0	360	5	5	3.00 3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1 8	99 1 8 3 0	6 5	2.5 2	145 SE	0	0	360	5	5	3.00 3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
1 8	99 1 8 4 0	13 6	2.5 2	62 ENE	0	0	360	6	6	4.00 3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
1 8	99 1 8 5 0	12 6	3.0 2	59 ENE	0	0	360	6	6	4.00 3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
1 8	99 1 8 6 0	7 5	2.5 2	59 ENE	0	0	360	5	5	3.00 3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
1 8	99 1 8 7 0	4 5	1.6 2	112 ESE	0	0	360	5	5	3.00 3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 8	99 1 8 8 0	1 5	2.1 2	90 E	0	0	360	5	5	3.00 3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 8	99 1 8 9 0	1 5	2.1 2	86 E	0	0	360	5	5	3.00 3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 81	99 1 810 0	0 5	2.3 2	29 NNE	0	0	360	5	5	3.00 3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1 81	99 1 811 0	-3 4	3.9 3	35 NE	0	0	360	4	4	2.00 3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
1 81	99 1 812 0	-5 4	3.9 3	106 ESE	0	0	360	4	4	2.00 3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
1 81	99 1 813 0	-5 4	2.3 2	127 SE	0	0	360	4	4	2.00 3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0
1 81	99 1 814 0	-5 4	2.1 2	99 E	0	0	360	4	4	2.00 3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
1 81	99 1 815 0	-4 4	1.8 2	21 NNE	0	0	360	4	4	2.00 3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
1 81	99 1 816 0	-4 4	2.1 2	26 NNE	0	0	360	4	4	2.00 3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
1 81	99 1 817 0	-2 5	3.2 2	25 NNE	0	0	360	5	5	3.00 3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
1 81	99 1 818 0	-2 5	3.6 3	38 NE	0	0	360	5	5	3.00 3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
1 81	99 1 819 0	-2 5	2.7 2	75 ENE	0	0	360	5	5	3.00 3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1 82	99 1 820 0	3 5	2.5 2	111 ESE	0	0	360	5	5	3.00 3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
1 82	99 1 821 0	3 5	1.6 2	64 ENE	0	0	360	5	5	3.00 3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 82	99 1 822 0	5 5	2.7 2	139 SE	0	0	360	5	5	3.00 3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1 82	99 1 823 0	-3 4	5.4 3	194 SSW	0	0	360	4	4	1.78 3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
1 82	99 1 824 0	-4 4	4.7 3	196 SSW	0	0	360	4	4	1.94 3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
1 9	99 1 9 1 0	-4 4	4.3 3	191 S	0	0	360	4	4	2.00 3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
1 9	99 1 9 2 0	-3 4	4.3 3	228 SW	0	0	360	4	4	2.00 3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
1 9	99 1 9 3 0	-2 5	2.7 2	228 SW	0	0	360	5	5	3.00 3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1 9	99 1 9 4 0	-1 5	3.0 2	230 SW	0	0	360	5	5	3.00 3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0

EC-ENVR-1057
Page 259

1 9	99 1 9 5 0	-1 5	3.0 2	228	SW	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1 9	99 1 9 6 0	4 5	2.3 2	349	N	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1 9	99 1 9 7 0	10 6	1.4 2	44	NE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
1 9	99 1 9 8 0	14 6	2.7 2	171	S	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
1 9	99 1 9 9 0	6 5	4.7 3	185	S	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
1 9	99 1 910 0	1 5	5.6 3	213	SSW	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
1 9	99 1 911 0	-1 5	6.5 3	221	SW	0	0	360	5	5	2.06	3	0.121758E-03	0.521803E-04	0.693665E-05	0.228584E-05	0.	0.0
1 9	99 1 912 0	1 5	7.0 3	222	SW	0	0	360	5	5	1.92	1	0.117859E-03	0.484531E-04	0.660015E-05	0.212256E-05	0.	0.0
1 9	99 1 913 0	-1 5	6.1 3	218	SW	0	0	360	5	5	2.20	3	0.121758E-03	0.556020E-04	0.723160E-05	0.243573E-05	0.	0.0
1 9	99 1 914 0	-1 5	7.2 3	226	SW	0	0	360	5	5	1.86	1	0.114585E-03	0.471072E-04	0.647452E-05	0.206360E-05	0.	0.0
1 9	99 1 915 0	-3 4	9.4 4	262	W	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
1 9	99 1 916 0	-3 4	10.1 4	345	NNW	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
1 9	99 1 917 0	-4 4	8.1 4	5	N	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
1 9	99 1 918 0	-4 4	7.9 4	322	NW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
1 9	99 1 919 0	-4 4	6.3 3	329	NNW	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
1 9	99 1 920 0	-4 4	6.8 3	337	NNW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
1 9	99 1 921 0	-4 4	9.2 4	340	NNW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
1 9	99 1 922 0	-3 4	8.3 4	351	N	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
1 9	99 1 923 0	-4 4	9.9 4	316	NW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
1 9	99 1 924 0	-4 4	9.4 4	310	NW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
110	99 110 1 0	-4 4	7.9 4	309	NW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
110	99 110 2 0	-4 4	5.2 3	306	NW	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
110	99 110 3 0	-3 4	3.6 3	240	WSW	0	0	360	4	4	2.00	3	0.114130E-03	0.729486E-04	0.576935E-05	0.272799E-05	0.	0.0
110	99 110 4 0	1 5	3.9 3	335	NNW	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0

110	99 110 5 0	2 5	3.0 2	286	WNW	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
110	99 110 6 0	3 5	2.1 2	125	SE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
110	99 110 7 0	3 5	1.8 2	66	ENE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
110	99 110 8 0	10 6	2.1 2	59	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
110	99 110 9 0	10 6	1.8 2	62	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
110	99 11010 0	7 5	1.6 2	102	ESE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
110	99 11011 0	-3 4	3.4 2	146	SE	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
110	99 11012 0	-12 1	6.3 3	221	SW	0	0	360	1	1	0.00	1	0.647595E-05	0.896363E-05	0.133835E-06	0.149280E-06	0.	0.0
110	99 11013 0	-8 3	6.8 3	238	WSW	0	0	360	3	3	0.00	1	0.376393E-04	0.273753E-04	0.908471E-06	0.546058E-06	0.	0.0
110	99 11014 0	-9 2	7.7 4	227	SW	0	0	360	2	2	0.00	1	0.159420E-04	0.161947E-04	0.146857E-06	0.122138E-06	0.	0.0
110	99 11015 0	-9 2	9.0 4	222	SW	0	0	360	2	2	0.00	1	0.136392E-04	0.138554E-04	0.125644E-06	0.104496E-06	0.	0.0
110	99 11016 0	-8 3	7.2 3	228	SW	0	0	360	3	3	0.00	1	0.355483E-04	0.258545E-04	0.858000E-06	0.515721E-06	0.	0.0
110	99 11017 0	-7 4	7.0 3	236	SW	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
110	99 11018 0	-5 4	6.8 3	226	SW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
110	99 11019 0	-5 4	4.1 3	220	SW	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
110	99 11020 0	-3 4	3.2 2	198	SSW	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
110	99 11021 0	-2 5	4.3 3	197	SSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
110	99 11022 0	-4 4	5.6 3	197	SSW	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
110	99 11023 0	-3 4	6.1 3	210	SSW	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
110	99 11024 0	-3 4	6.8 3	222	SW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
111	99 111 1 0	-3 4	9.4 4	235	SW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
111	99 111 2 0	-5 4	11.0 4	259	W	0	0	360	4	4	1.13	1	0.500282E-04	0.238741E-04	0.219708E-05	0.892798E-06	0.	0.0
111	99 111 3 0	-5 4	11.9 4	255	WSW	0	0	360	4	4	1.08	1	0.462445E-04	0.220685E-04	0.205218E-05	0.825275E-06	0.	0.0
111	99 111 4 0	-4 4	7.9 4	229	SW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
111	99 111 5 0	-1 5	5.0 3	203	SSW	0	0	360	5	5	2.68	3	0.121758E-03	0.678344E-04	0.818918E-05	0.297159E-05	0.	0.0
111	99 111 6 0	-1 5	3.0 2	166	SSE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
111	99 111 7 0	-4 4	7.0 3	242	WSW	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
111	99 111 8 0	-5 4	10.1 4	245	WSW	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
111	99 111 9 0	-5 4	7.9 4	235	SW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
111	99 11110 0	-6 4	10.6 4	240	WSW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
111	99 11111 0	0 2	0.0 2	0	2	0-2	0 2											
111	99 11112 0	0 2	0.0 2	0	2	0-2	0 2											
111	99 11113 0	0 2	0.0 2	0	2	0-2	0 2											
111	99 11114 0	0 2	0.0 2	0	2	0-2	0 2											
111	99 11115 0	0 2	0.0 2	0	2	0-2	0 2											

EC-ENVR-1057
Page 260

1111	99	11116	0	0	2	0.0	2	0	2	0-2	0	2															
1111	99	11117	0	0	2	0.0	2	0	2	0-2	0	2															
1111	99	11118	0	0	2	0.0	2	0	2	0-2	0	2															
1111	99	11119	0	0	2	0.0	2	0	2	0-2	0	2															
1112	99	11120	0	0	2	0.0	2	0	2	0-2	0	2															
1112	99	11121	0	0	2	0.0	2	0	2	0-2	0	2															
1112	99	11122	0	0	2	0.0	2	0	2	0-2	0	2															
1112	99	11123	0	0	2	0.0	2	0	2	0-2	0	2															
1112	99	11124	0	0	2	0.0	2	0	2	0-2	0	2															
112	99	112 1	0	0	2	0.0	2	0	2	0-2	0	2															
112	99	112 2	0	0	2	0.0	2	0	2	0-2	0	2															
112	99	112 3	0	0	2	0.0	2	0	2	0-2	0	2															
112	99	112 4	0	0	2	0.0	2	0	2	0-2	0	2															
112	99	112 5	0	0	2	0.0	2	0	2	0-2	0	2															
112	99	112 6	0	0	2	0.0	2	0	2	0-2	0	2															
112	99	112 7	0	0	2	0.0	2	0	2	0-2	0	2															
112	99	112 8	0	0	2	0.0	2	0	2	0-2	0	2															
112	99	112 9	0	3	5	1.4	2	147	SSE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0					
1121	99	11210	0	-2	5	1.6	2	109	ESE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0					
1121	99	11211	0	-3	4	1.6	2	68	ENE	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0					
YEA	1PPL	YEAR	1999	DT	60-10A					8-NOV-04•••															PAGE	12	
E	0DATE		TEMP	GP	SPED	GP		DIR	GP	RA	RH	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2 TER
1121	99	11212	0	-4	4	1.6	2	96	E	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0					
1121	99	11213	0	-3	4	1.4	2	48	NE	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0					
1121	99	11214	0	-2	5	1.4	2	99	E	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0					
1121	99	11215	0	-1	5	0.9	2	46	NE	0	0	360	5	5	3.00	3	0.605245E-03	0.376858E-03	0.434604E-04	0.165088E-04	0.	0.0					
1121	99	11216	0	2	5	1.4	2	69	ENE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0					
1121	99	11217	0	7	5	2.1	2	69	ENE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0					
1121	99	11218	0	10	6	1.6	2	80	E	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0					
1121	99	11219	0	17	6	1.8	2	91	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0					
1122	99	11220	0	18	6	1.6	2	74	ENE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0					
1122	99	11221	0	19	6	2.1	2	75	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0					
1122	99	11222	0	28	7	2.7	2	68	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0					
1122	99	11223	0	27	7	2.1	2	54	NE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0					
1122	99	11224	0	35	7	3.0	2	68	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0					
113	99	113 1	0	40	7	3.0	2	68	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0					
113	99	113 2	0	31	7	1.6	2	109	ESE	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0					
113	99	113 3	0	25	7	1.6	2	126	SE	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0					
113	99	113 4	0	27	7	1.8	2	69	ENE	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0					
113	99	113 5	0	29	7	1.8	2	112	ESE	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0					
113	99	113 6	0	28	7	2.3	2	65	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0					
113	99	113 7	0	25	7	1.8	2	86	E	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0					
113	99	113 8	0	23	6	2.1	2	85	E	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0					
113	99	113 9	0	23	6	1.8	2	80	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0					
1131	99	11310	0	20	6	1.6	2	89	E	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0					
1131	99	11311	0	27	7	1.8	2	56	NE	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0					
1131	99	11312	0	3	5	7.7	4	32	NNE	0	0	360	5	5	1.74	1	0.107145E-03	0.440483E-04	0.618042E-05	0.192960E-05	0.	0.0					
1131	99	11313	0	-4	4	10.3	4	42	NE	0	0	360	4	4	1.18	1	0.534281E-04	0.254966E-04	0.232530E-05	0.953473E-06	0.	0.0					
1131	99	11314	0	-5	4	8.6	4	48	NE	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0					
1131	99	11315	0	-5	4	10.3	4	42	NE	0	0	360	4	4	1.18	1	0.534281E-04	0.254966E-04	0.232530E-05	0.953473E-06	0.	0.0					
1131	99	11316	0	-5	4	10.1	4	30	NNE	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0					
1131	99	11317	0	-5	4	10.6	4	29	NNE	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0					
1131	99	11318	0	-5	4	9.0	4	27	NNE	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0					
1131	99	11319	0	-5	4	8.8	4	23	NNE	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0					
1132	99	11320	0	-5	4	9.0	4	19	NNE	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0					
1132	99	11321	0	-5	4	9.7	4	27	NNE	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0					
1132	99	11322	0	-5	4	10.1	4	29	NNE	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0					
1132	99	11323	0	-5	4	7.7	4	28	NNE	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0					
1132	99	11324	0	-5	4	9.2	4	44	NE	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0					
114	99	114 1	0	-5	4	7.9	4	42	NE	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0					
114	99	114 2	0	-5	4	8.3	4	43	NE	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0					

EC-ENVR-1057
Page 261

114	99	114	3	0	-5	4	7.0	3	43	NE	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
114	99	114	4	0	-5	4	7.0	3	44	NE	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
114	99	114	5	0	-5	4	6.8	3	38	NE	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
114	99	114	6	0	-5	4	5.9	3	34	NE	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
114	99	114	7	0	-4	4	5.6	3	32	NNE	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
114	99	114	8	0	-4	4	6.5	3	33	NNE	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
114	99	114	9	0	-4	4	7.2	3	36	NE	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1141	99	11410	0		-4	4	7.4	3	35	NE	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
1141	99	11411	0		-5	4	7.2	3	47	NE	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1141	99	11412	0		-5	4	6.8	3	43	NE	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
1141	99	11413	0		-5	4	7.4	3	49	NE	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
1141	99	11414	0		-5	4	5.4	3	40	NE	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
1141	99	11415	0		-5	4	5.6	3	36	NE	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
1141	99	11416	0		-5	4	5.9	3	24	NNE	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
1141	99	11417	0		-5	4	6.3	3	26	NNE	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
1141	99	11418	0		-5	4	6.8	3	30	NNE	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0

YR 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 13

E	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	B	XQ	GT	B	XQ(ELEV)	LE	B	XQ(ELV)	GT	B	H2	TER
1141	99	11419	0	-4	4	6.8	3	29	NNE	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
1142	99	11420	0	-4	4	6.8	3	34	NE	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
1142	99	11421	0	-4	4	8.1	4	33	NNE	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
1142	99	11422	0	-3	4	9.2	4	23	NNE	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
1142	99	11423	0	-3	4	9.9	4	19	NNE	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
1142	99	11424	0	-1	5	9.2	4	19	NNE	0	0	360	5	5	1.46	1	0.896753E-04	0.368665E-04	0.543919E-05	0.161499E-05	0.	0.0
115	99	115	1	0	1	5	8.8	4	32	NNE	0	0	360	5	5	1.53	1	0.937514E-04	0.385423E-04	0.561890E-05	0.168840E-05	0.	0.0
115	99	115	2	0	-1	5	8.8	4	35	NE	0	0	360	5	5	1.53	1	0.937514E-04	0.385423E-04	0.561890E-05	0.168840E-05	0.	0.0
115	99	115	3	0	-3	4	9.0	4	47	NE	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
115	99	115	4	0	-4	4	7.4	3	59	ENE	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
115	99	115	5	0	-4	4	7.9	4	59	ENE	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
115	99	115	6	0	-3	4	6.5	3	17	NNE	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
115	99	115	7	0	-1	5	5.4	3	281	W	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
115	99	115	8	0	-1	5	3.0	2	208	SSW	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
115	99	115	9	0	-1	5	1.8	2	213	SSW	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
1151	99	11510	0	-2	5	9.0	4	230	SW	0	0	360	5	5	1.49	1	0.916681E-04	0.376858E-04	0.552758E-05	0.165088E-05	0.	0.0
1151	99	11511	0	-4	4	6.5	3	218	SW	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
1151	99	11512	0	-5	4	5.9	3	228	SW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
1151	99	11513	0	-5	4	6.5	3	231	SW	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
1151	99	11514	0	-5	4	7.2	3	248	WSW	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1151	99	11515	0	-5	4	9.9	4	239	WSW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
1151	99	11516	0	-6	4	12.8	5	243	WSW	0	0	360	4	4	1.03	1	0.429930E-04	0.205168E-04	0.190864E-05	0.767248E-06	0.	0.0
1151	99	11517	0	-6	4	12.6	5	245	WSW	0	0	360	4	4	1.04	1	0.436754E-04	0.208424E-04	0.193894E-05	0.779427E-06	0.	0.0
1151	99	11518	0	-6	4	12.6	5	241	WSW	0	0	360	4	4	1.04	1	0.436754E-04	0.208424E-04	0.193894E-05	0.779427E-06	0.	0.0
1151	99	11519	0	-4	4	7.9	4	230	SW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
1152	99	11520	0	-3	4	9.2	4	231	SW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
1152	99	11521	0	-4	4	9.7	4	233	SW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
1152	99	11522	0	-3	4	8.8	4	232	SW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0
1152	99	11523	0	-2	5	5.4	3	216	SW	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
1152	99	11524	0	-1	5	2.3	2	177	S	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
116	99	116	1	0	-2	5	2.3	2	115	ESE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
116	99	116	2	0	-3	4	2.1	2	112	ESE	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
116	99	116	3	0	0	5	1.6	2	165	SSE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
116	99	116	4	0	1	5	2.1	2	116	ESE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
116	99	116	5	0	-3	4	1.4	2	115	ESE	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
116	99	116	6	0	-1	5	1.8	2	118	ESE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
116	99	116	7	0	-3	4	1.4	2	57	ENE	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
116	99	116	8	0	-2	5	0.9	2	120	ESE	0	0	360	5	5	3.00	3	0.605245E-03	0.376858E-03	0.434604E-04	0.165088E-04	0.	0.0
116	99	116	9	0	-3	4	1.2	2	103	ESE	0	0	360	4	4	2.00	3	0.342389E-03	0.218846E-03	0.173081E-04	0.818398E-05	0.	0.0
1161	99	11610	0	-3	4	1.4	2	82	E	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
1161	99	11611	0	-3	4	1.6	2	113	ESE	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0
1161	99	11612	0	-4	4	3.4	2	202	SSW	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
1161	99	11613	0	-4	4	5.0	3	233	SW	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0

EC-ENVR-1057
Page 262

1161	99	11614	0	-4	4	3.2	2	211	SSW	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
1161	99	11615	0	-7	4	5.0	3	220	SW	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
1161	99	11616	0	-6	4	5.6	3	224	SW	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
1161	99	11617	0	-5	4	4.7	3	222	SW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
1161	99	11618	0	0	5	3.9	3	219	SW	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
1161	99	11619	0	16	6	2.5	2	191	S	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
116	99	11620	0	20	6	2.5	2	145	SE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
116	99	11621	0	23	6	2.3	2	136	SE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
116	99	11622	0	18	6	1.8	2	77	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
116	99	11623	0	7	5	1.6	2	76	ENE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
116	99	11624	0	-1	5	2.3	2	125	SE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
117	99	117 1	0	3	5	1.8	2	144	SE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0

. YE 1PPL YEAR 1999 LT 60-10A 8-NOV-04•••

'E 0DATE TEMP GP SPED GP DIR GP RA RB RANG IRY IRZ XQ LE 8 XQ GT 8 XQ(ELEV) LE 8 XQ(ELV) GT 8 H2 TER PAGE 14

117	99	117 2	0	10	6	1.8	2	164	SSE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
117	99	117 3	0	19	6	2.3	2	141	SE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
117	99	117 4	0	25	7	1.6	2	32	NNE	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0
117	99	117 5	0	29	7	1.6	2	58	ENE	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0
117	99	117 6	0	38	7	1.4	2	104	ESE	0	0	360	7	7	6.00	3	0.101066E-02	0.588933E-03	0.118301E-03	0.210727E-04	0.	0.0
117	99	117 7	0	38	7	2.1	2	36	NE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
117	99	117 8	0	35	7	2.1	2	41	NE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
117	99	117 9	0	23	6	2.5	2	157	SSE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
117	99	11710	0	12	6	1.8	2	49	NE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
117	99	11711	0	4	5	1.8	2	84	E	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
117	99	11712	0	2	5	2.7	2	163	SSE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
117	99	11713	0	-7	4	4.7	3	216	SW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
117	99	11714	0	-5	4	4.1	3	221	SW	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
117	99	11715	0	-3	4	3.0	2	103	ESE	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
117	99	11716	0	-5	4	1.8	2	67	ENE	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
117	99	11717	0	-5	4	2.5	2	30	NNE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
117	99	11718	0	8	6	2.5	2	44	NE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
117	99	11719	0	34	7	2.7	2	57	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0
117	99	11720	0	46	7	2.3	2	44	NE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
117	99	11721	0	67	7	2.3	2	82	E	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
117	99	11722	0	39	7	2.5	2	26	NNE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0
117	99	11723	0	15	6	3.6	3	48	NE	0	0	360	6	6	4.00	3	0.250572E-03	0.147623E-03	0.255231E-04	0.660759E-05	0.	0.0
117	99	11724	0	29	7	3.0	2	116	ESE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
118	99	118 1	0	25	7	3.4	2	136	SE	0	0	360	7	7	6.00	3	0.416152E-03	0.242502E-03	0.487123E-04	0.867700E-05	0.	0.0
118	99	118 2	0	27	7	3.2	2	130	SE	0	0	360	7	7	6.00	3	0.442162E-03	0.257658E-03	0.517568E-04	0.921931E-05	0.	0.0
118	99	118 3	0	3	5	6.1	3	146	SE	0	0	360	5	5	2.20	3	0.121758E-03	0.556020E-04	0.723160E-05	0.243573E-05	0.	0.0
118	99	118 4	0	-1	5	6.3	3	145	SE	0	0	360	5	5	2.13	3	0.121758E-03	0.538368E-04	0.708105E-05	0.235840E-05	0.	0.0
118	99	118 5	0	-1	5	3.6	3	36	NE	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
118	99	118 6	0	5	5	5.4	3	49	NE	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
118	99	118 7	0	1	5	4.3	3	23	NNE	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
118	99	118 8	0	0	5	3.9	3	110	ESE	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
118	99	118 9	0	-1	5	7.2	3	136	SE	0	0	360	5	5	1.86	1	0.114585E-03	0.471072E-04	0.647452E-05	0.206360E-05	0.	0.0
1181	99	11810	0	-2	5	7.9	4	141	SE	0	0	360	5	5	1.70	1	0.104432E-03	0.429332E-04	0.607012E-05	0.188075E-05	0.	0.0
1181	99	11811	0	-1	5	8.3	4	146	SE	0	0	360	5	5	1.62	1	0.993991E-04	0.408641E-04	0.586094E-05	0.179011E-05	0.	0.0
1181	99	11812	0	-1	5	7.9	4	149	SSE	0	0	360	5	5	1.70	1	0.104432E-03	0.429332E-04	0.607012E-05	0.188075E-05	0.	0.0
1181	99	11813	0	-1	5	8.6	4	158	SSE	0	0	360	5	5	1.56	1	0.959317E-04	0.394386E-04	0.571327E-05	0.172767E-05	0.	0.0
1181	99	11814	0	-1	5	9.7	4	158	SSE	0	0	360	5	5	1.38	1	0.850529E-04	0.349662E-04	0.523011E-05	0.153175E-05	0.	0.0
1181	99	11815	0	0	5	9.9	4	160	SSE	0	0	360	5	5	1.36	1	0.833346E-04	0.342598E-04	0.515091E-05	0.150080E-05	0.	0.0
1181	99	11816	0	0	5	11.9	4	228	SW	0	0	360	5	5	1.13	1	0.693288E-04	0.285018E-04	0.444106E-05	0.124857E-05	0.	0.0
1181	99	11817	0	0	5	8.6	4	234	SW	0	0	360	5	5	1.56	1	0.959317E-04	0.394386E-04	0.571327E-05	0.172767E-05	0.	0.0
1181	99	11818	0	-1	5	10.6	4	228	SW	0	0	360	5	5	1.27	1	0.778314E-04	0.319974E-04	0.489164E-05	0.140169E-05	0.	0.0
1181	99	11819	0	0	5	3.6	3	207	SSW	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
118	99	11820	0	1	5	4.5	3	209	SSW	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
118	99	11821	0	4	5	2.3	2	188	S	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
118	99	11822	0	4	5	3.2	2	186	S	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
118	99	11823	0	5	5	3.6	3	211	SSW	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
118	99	11824	0	9	6	3.2	2	183	S	0	0	360	6	6	4.00	3	0.281894E-03	0.166076E-03	0.287135E-04	0.743354E-05	0.	0.0

EC-ENVR-1057
Page 263

119	99	119	1	0	5	5	4.3	3	209	SSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
119	99	119	2	0	0	5	8.1	4	235	SW	0	0	360	5	5	1.66	1	0.101853E-03	0.418731E-04	0.596370E-05	0.183431E-05	0.	0.0
119	99	119	3	0	-1	5	10.8	4	229	SW	0	0	360	5	5	1.24	1	0.763901E-04	0.314048E-04	0.482229E-05	0.137574E-05	0.	0.0
119	99	119	4	0	-2	5	9.0	4	220	SW	0	0	360	5	5	1.49	1	0.916681E-04	0.376858E-04	0.552758E-05	0.165088E-05	0.	0.0
119	99	119	5	0	-2	5	8.1	4	222	SW	0	0	360	5	5	1.66	1	0.101853E-03	0.418731E-04	0.596370E-05	0.183431E-05	0.	0.0
119	99	119	6	0	-2	5	9.7	4	232	SW	0	0	360	5	5	1.38	1	0.850529E-04	0.349662E-04	0.523011E-05	0.153175E-05	0.	0.0
119	99	119	7	0	-2	5	8.1	4	231	SW	0	0	360	5	5	1.66	1	0.101853E-03	0.418731E-04	0.596370E-05	0.183431E-05	0.	0.0
119	99	119	8	0	-1	5	5.6	3	224	SW	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0

, YE/ 1PPL YEAR 1999 DT 60-10A 8-NOV-04•••

E	ODATE			TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
																												PAGE	15
119	99	119	9	0	1	5	5.4	3	218	SW	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
119	99	11910		0	-2	5	6.5	3	219	SW	0	0	360	5	5	2.06	3	0.121758E-03	0.521803E-04	0.693665E-05	0.228584E-05	0.	0.0
119	99	11911		0	-3	4	15.9	5	248	WSW	0	0	360	4	4	0.00	1	0.346107E-04	0.165167E-04	0.153652E-05	0.617659E-06	0.	0.0
119	99	11912		0	-4	4	15.5	5	243	WSW	0	0	360	4	4	0.00	1	0.355039E-04	0.169429E-04	0.157617E-05	0.633598E-06	0.	0.0
119	99	11913		0	-5	4	15.9	5	237	WSW	0	0	360	4	4	0.00	1	0.346107E-04	0.165167E-04	0.153652E-05	0.617659E-06	0.	0.0
119	99	11914		0	-5	4	15.0	5	245	WSW	0	0	360	4	4	0.00	1	0.366873E-04	0.175077E-04	0.162871E-05	0.654718E-06	0.	0.0
119	99	11915		0	-5	4	12.8	5	243	WSW	0	0	360	4	4	1.03	1	0.429930E-04	0.205168E-04	0.190864E-05	0.767248E-06	0.	0.0
119	99	11916		0	-5	4	12.6	5	236	SW	0	0	360	4	4	1.04	1	0.436754E-04	0.208424E-04	0.193894E-05	0.779427E-06	0.	0.0
119	99	11917		0	-5	4	10.1	4	239	WSW	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
119	99	11918		0	-2	5	8.6	4	232	SW	0	0	360	5	5	1.56	1	0.959317E-04	0.394386E-04	0.571327E-05	0.172767E-05	0.	0.0
119	99	11919		0	3	5	4.3	3	205	SSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
119	99	11920		0	5	5	5.6	3	220	SW	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
119	99	11921		0	5	5	5.6	3	218	SW	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
119	99	11922		0	5	5	4.1	3	194	SSW	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
119	99	11923		0	9	6	1.8	2	185	S	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
119	99	11924		0	3	5	1.8	2	74	ENE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
120	99	120	1	0	0	5	2.1	2	104	ESE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
120	99	120	2	0	-1	5	2.7	2	124	SE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
120	99	120	3	0	-2	5	1.4	2	181	S	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
120	99	120	4	0	3	5	1.8	2	112	ESE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
120	99	120	5	0	4	5	2.1	2	116	ESE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
120	99	120	6	0	-2	5	1.6	2	103	ESE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
120	99	120	7	0	3	5	1.6	2	107	ESE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
120	99	120	8	0	9	6	1.6	2	90	E	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
120	99	120	9	0	21	6	1.6	2	63	ENE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
120	99	12010		0	15	6	1.8	2	110	ESE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
120	99	12011		0	10	6	1.2	2	103	ESE	0	0	360	6	6	4.00	3	0.751717E-03	0.442869E-03	0.765694E-04	0.198228E-04	0.	0.0
120	99	12012		0	0	5	2.3	2	106	ESE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
120	99	12013		0	-7	4	5.9	3	201	SSW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
120	99	12014		0	-8	3	9.0	4	226	SW	0	0	360	3	3	0.00	1	0.284386E-04	0.206836E-04	0.686400E-06	0.412577E-06	0.	0.0
120	99	12015		0	-6	4	8.6	4	241	WSW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
120	99	12016		0	-7	4	7.7	4	233	SW	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0
120	99	12017		0	-7	4	6.5	3	224	SW	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
120	99	12018		0	-3	4	3.4	2	214	SW	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
120	99	12019		0	3	5	1.4	2	89	E	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
120	99	12020		0	21	6	1.6	2	73	ENE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
120	99	12021		0	24	7	2.3	2	67	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
120	99	12022		0	28	7	2.3	2	68	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
120	99	12023		0	20	6	2.5	2	71	ENE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
120	99	12024		0	19	6	1.8	2	69	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
121	99	121	1	0	14	6	1.8	2	76	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
121	99	121	2	0	17	6	3.0	2	60	ENE	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
121	99	121	3	0	26	7	3.0	2	75	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
121	99	121	4	0	21	6	3.9	3	68	ENE	0	0	360	6	6	4.00	3	0.231298E-03	0.136267E-03	0.235598E-04	0.609931E-05	0.	0.0
121	99	121	5	0	26	7	3.6	3	68	ENE	0	0	360	7	7	6.00	3	0.393033E-03	0.229030E-03	0.460060E-04	0.819494E-05	0.	0.0
121	99	121	6	0	25	7	3.9	3	70	ENE	0	0	360	7	7	6.00	3	0.362799E-03	0.211412E-03	0.424671E-04	0.756456E-05	0.	0.0
121	99	121	7	0	26	7	4.3	3	69	ENE	0	0	360	7	7	6.00	3	0.329050E-03	0.191746E-03	0.385167E-04	0.686088E-05	0.	0.0
121	99	121	8	0	21	6	4.3	3	69	ENE	0	0	360	6	6	4.00	3	0.209782E-03	0.123591E-03	0.213682E-04	0.553194E-05	0.	0.0
121	99	121	9	0	13	6	4.3	3	61	ENE	0	0	360	6	6	4.00	3	0.209782E-03	0.123591E-03	0.213682E-04	0.553194E-05	0.	0.0
121	99	12110		0	7	5	3.0	2	50	NE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
121	99	12111		0	2	5	2.5	2	55	NE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0

EC-ENVR-1057
Page 264

2112	99	12112	0	-1	5	1.8	2	125	SE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
2113	99	12113	0	19	6	2.3	2	66	ENE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
2114	99	12114	0	18	6	2.1	2	18	NNE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
2115	99	12115	0	12	6	2.1	2	50	NE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0

YEAR 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 16

	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ LE 8	XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	H2 TER	
2116	99	12116	0	25	7	2.1	2	120	ESE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
2117	99	12117	0	23	6	2.1	2	79	E	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
2118	99	12118	0	12	6	3.6	3	15	NNE	0	0	360	6	6	4.00	3	0.250572E-03	0.147623E-03	0.255231E-04	0.660759E-05	0.	0.0
2119	99	12119	0	14	6	2.7	2	27	NNE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
2120	99	12120	0	7	5	3.9	3	6	N	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
2121	99	12121	0	4	5	4.1	3	6	N	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
2122	99	12122	0	2	5	2.3	2	9	N	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2123	99	12123	0	5	5	3.2	2	28	NNE	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
2124	99	12124	0	0	5	4.1	3	30	NNE	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
22 1	99	122 1	0	1	5	3.4	2	38	NE	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
22 2	99	122 2	0	2	5	3.9	3	36	NE	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
22 3	99	122 3	0	2	5	3.9	3	16	NNE	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
22 4	99	122 4	0	0	5	3.2	2	22	NNE	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
22 5	99	122 5	0	2	5	4.1	3	10	N	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
22 6	99	122 6	0	3	5	4.5	3	28	NNE	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
22 7	99	122 7	0	-1	5	5.6	3	26	NNE	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
22 8	99	122 8	0	-1	5	5.9	3	30	NNE	0	0	360	5	5	2.27	3	0.121758E-03	0.574868E-04	0.738868E-05	0.251830E-05	0.	0.0
22 9	99	122 9	0	-1	5	5.6	3	22	NNE	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
2210	99	12210	0	1	5	4.3	3	73	ENE	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
2211	99	12211	0	-3	4	5.9	3	100	E	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
2212	99	12212	0	-3	4	6.5	3	120	ESE	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
2213	99	12213	0	-3	4	6.3	3	94	E	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
2214	99	12214	0	-3	4	4.5	3	107	ESE	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
2215	99	12215	0	-4	4	4.7	3	151	SSE	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
2216	99	12216	0	-4	4	6.3	3	89	E	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
2217	99	12217	0	-4	4	6.5	3	95	E	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
2218	99	12218	0	-4	4	6.8	3	106	ESE	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
2219	99	12219	0	-4	4	5.4	3	107	ESE	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
2220	99	12220	0	-4	4	6.1	3	109	ESE	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
2221	99	12221	0	-3	4	6.8	3	107	ESE	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
2222	99	12222	0	-3	4	6.1	3	91	E	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
2223	99	12223	0	3	4	7.9	4	121	ESE	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
2224	99	12224	0	4	4	8.6	4	126	SE	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
23 1	99	123 1	0	-3	4	7.9	4	128	SE	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
23 2	99	123 2	0	-3	4	7.0	3	122	ESE	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
23 3	99	123 3	0	-3	4	5.0	3	100	E	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
23 4	99	123 4	0	-3	4	5.4	3	86	E	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
23 5	99	123 5	0	-3	4	5.6	3	95	E	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
23 6	99	123 6	0	-3	4	5.2	3	91	E	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
23 7	99	123 7	0	-4	4	5.6	3	99	E	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
23 8	99	123 8	0	-2	5	5.0	3	113	ESE	0	0	360	5	5	2.68	3	0.121758E-03	0.678344E-04	0.818918E-05	0.297159E-05	0.	0.0
23 9	99	123 9	0	-3	4	4.3	3	94	E	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
2310	99	12310	0	-3	4	6.3	3	112	ESE	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
2311	99	12311	0	-2	5	4.7	3	89	E	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
2312	99	12312	0	-2	5	4.7	3	77	ENE	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
2313	99	12313	0	-3	4	5.0	3	73	ENE	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
2314	99	12314	0	-3	4	4.1	3	75	ENE	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
2315	99	12315	0	-3	4	4.3	3	56	NE	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
2316	99	12316	0	-3	4	3.4	2	71	ENE	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
2317	99	12317	0	-2	5	6.1	3	147	SSE	0	0	360	5	5	2.20	3	0.121758E-03	0.556020E-04	0.723160E-05	0.243573E-05	0.	0.0
2318	99	12318	0	-2	5	9.0	4	159	SSE	0	0	360	5	5	1.49	1	0.916681E-04	0.376858E-04	0.552758E-05	0.165088E-05	0.	0.0
2319	99	12319	0	-1	5	10.1	4	161	SSE	0	0	360	5	5	1.33	1	0.816844E-04	0.335814E-04	0.507407E-05	0.147108E-05	0.	0.0
2320	99	12320	0	-1	5	9.4	4	158	SSE	0	0	360	5	5	1.43	1	0.877673E-04	0.360821E-04	0.535359E-05	0.158063E-05	0.	0.0
2321	99	12321	0	-1	5	11.5	4	156	SSE	0	0	360	5	5	1.17	1	0.717402E-04	0.294932E-04	0.459432E-05	0.129200E-05	0.	0.0
2322	99	12322	0	-2	5	11.0	4	165	SSE	0	0	360	5	5	1.22	1	0.750012E-04	0.308338E-04	0.475488E-05	0.135072E-05	0.	0.0

EC-ENVR-1057
Page 265

, YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 17

E	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
123	99 12323	0	-2	5 11.7	4	176	S	0	0	360	5	5	1.15	1	0.705139E-04		0.289891E-04		0.451698E-05		0.126991E-05	0.		0.0
123	99 12324	0	-2	5 9.2	4	177	S	0	0	360	5	5	1.46	1	0.896753E-04		0.368665E-04		0.543919E-05		0.161499E-05	0.		0.0
124	99 124 1	0	1	5 9.0	4	196	SSW	0	0	360	5	5	1.49	1	0.916681E-04		0.376858E-04		0.552758E-05		0.165088E-05	0.		0.0
124	99 124 2	0	4	5 5.0	3	231	SW	0	0	360	5	5	2.68	3	0.121758E-03		0.678344E-04		0.818918E-05		0.297159E-05	0.		0.0
124	99 124 3	0	3	5 4.3	3	310	NW	0	0	360	5	5	3.00	3	0.126679E-03		0.788772E-04		0.909636E-05		0.345534E-05	0.		0.0
124	99 124 4	0	1	5 6.5	3	222	SW	0	0	360	5	5	2.06	3	0.121758E-03		0.521803E-04		0.693665E-05		0.228584E-05	0.		0.0
124	99 124 5	0	1	5 5.6	3	228	SW	0	0	360	5	5	2.40	3	0.121758E-03		0.605664E-04		0.763754E-05		0.265320E-05	0.		0.0
124	99 124 6	0	1	5 6.8	3	216	SW	0	0	360	5	5	1.97	1	0.121325E-03		0.498782E-04		0.673075E-05		0.218499E-05	0.		0.0
124	99 124 7	0	0	5 7.2	3	213	SSW	0	0	360	5	5	1.86	1	0.114585E-03		0.471072E-04		0.647452E-05		0.206360E-05	0.		0.0
124	99 124 8	0	-1	5 8.1	4	233	SW	0	0	360	5	5	1.66	1	0.101853E-03		0.418731E-04		0.596370E-05		0.183431E-05	0.		0.0
124	99 124 9	0	0	5 3.9	3	199	SSW	0	0	360	5	5	3.00	3	0.139672E-03		0.869672E-04		0.100293E-04		0.380973E-05	0.		0.0
124	99 12410	0	4	5 0.9	2	118	ESE	0	0	360	5	5	3.00	3	0.605245E-03		0.376858E-03		0.434604E-04		0.165088E-04	0.		0.0
124	99 12411	0	2	5 3.0	2	188	S	0	0	360	5	5	3.00	3	0.181574E-03		0.113057E-03		0.130381E-04		0.495265E-05	0.		0.0
124	99 12412	0	0	5 5.4	3	211	SSW	0	0	360	5	5	2.49	3	0.121758E-03		0.628096E-04		0.781297E-05		0.275147E-05	0.		0.0
124	99 12413	0	-3	4 9.2	4	234	SW	0	0	360	4	4	1.27	1	0.598163E-04		0.285451E-04		0.256148E-05		0.106748E-05	0.		0.0
124	99 12414	0	-4	4 12.6	5	243	WSW	0	0	360	4	4	1.04	1	0.436754E-04		0.208424E-04		0.193894E-05		0.779427E-06	0.		0.0
124	99 12415	0	-4	4 10.8	4	258	WSW	0	0	360	4	4	1.15	1	0.509546E-04		0.243162E-04		0.223220E-05		0.909331E-06	0.		0.0
124	99 12416	0	-4	4 10.6	4	254	WSW	0	0	360	4	4	1.16	1	0.519160E-04		0.247750E-04		0.226850E-05		0.926488E-06	0.		0.0
124	99 12417	0	-4	4 9.9	4	263	W	0	0	360	4	4	1.21	1	0.555869E-04		0.265268E-04		0.240579E-05		0.991998E-06	0.		0.0
124	99 12418	0	-4	4 9.2	4	270	W	0	0	360	4	4	1.27	1	0.598163E-04		0.285451E-04		0.256148E-05		0.106748E-05	0.		0.0
124	99 12419	0	-4	4 9.0	4	251	WSW	0	0	360	4	4	1.29	1	0.611455E-04		0.291794E-04		0.260988E-05		0.109120E-05	0.		0.0
124	99 12420	0	-4	4 7.9	4	256	WSW	0	0	360	4	4	1.40	1	0.696595E-04		0.332424E-04		0.291427E-05		0.124314E-05	0.		0.0
124	99 12421	0	-4	4 9.7	4	266	W	0	0	360	4	4	1.23	1	0.567330E-04		0.270737E-04		0.244824E-05		0.101245E-05	0.		0.0
124	99 12422	0	-4	4 8.6	4	260	W	0	0	360	4	4	1.32	1	0.639895E-04		0.305366E-04		0.271263E-05		0.114195E-05	0.		0.0
124	99 12423	0	-4	4 9.4	4	269	W	0	0	360	4	4	1.25	1	0.585436E-04		0.279378E-04		0.251490E-05		0.104476E-05	0.		0.0
124	99 12424	0	-4	4 7.9	4	268	W	0	0	360	4	4	1.40	1	0.696595E-04		0.332424E-04		0.291427E-05		0.124314E-05	0.		0.0
125	99 125 1	0	-4	4 6.8	3	278	W	0	0	360	4	4	1.54	3	0.786880E-04		0.386198E-04		0.330331E-05		0.144423E-05	0.		0.0
125	99 125 2	0	-4	4 7.2	3	316	NW	0	0	360	4	4	1.48	1	0.764319E-04		0.364743E-04		0.314987E-05		0.136400E-05	0.		0.0
125	99 125 3	0	-4	4 6.1	3	285	WNW	0	0	360	4	4	1.64	3	0.819073E-04		0.430516E-04		0.361327E-05		0.160996E-05	0.		0.0
125	99 125 4	0	-4	4 5.0	3	290	WNW	0	0	360	4	4	1.86	3	0.881452E-04		0.525230E-04		0.424735E-05		0.196416E-05	0.		0.0
125	99 125 5	0	-4	4 3.4	2	248	WSW	0	0	360	4	4	2.00	3	0.120843E-03		0.772397E-04		0.610873E-05		0.288846E-05	0.		0.0
125	99 125 6	0	-3	4 3.2	2	244	WSW	0	0	360	4	4	2.00	3	0.128396E-03		0.820672E-04		0.649052E-05		0.306899E-05	0.		0.0
125	99 125 7	0	-2	5 2.7	2	138	SE	0	0	360	5	5	3.00	3	0.201748E-03		0.125619E-03		0.144868E-04		0.550294E-05	0.		0.0
125	99 125 8	0	-3	4 3.4	2	172	S	0	0	360	4	4	2.00	3	0.120843E-03		0.772397E-04		0.610873E-05		0.288846E-05	0.		0.0
125	99 125 9	0	-3	4 2.1	2	196	SSW	0	0	360	4	4	2.00	3	0.195651E-03		0.125055E-03		0.989032E-05		0.467656E-05	0.		0.0
125	99 12510	0	-3	4 2.5	2	209	SSW	0	0	360	4	4	2.00	3	0.164347E-03		0.105046E-03		0.830787E-05		0.392831E-05	0.		0.0
125	99 12511	0	-4	4 2.7	2	227	SW	0	0	360	4	4	2.00	3	0.152173E-03		0.972648E-04		0.769247E-05		0.363732E-05	0.		0.0
125	99 12512	0	-3	4 1.8	2	212	SSW	0	0	360	4	4	2.00	3	0.228259E-03		0.145897E-03		0.115387E-04		0.545599E-05	0.		0.0
125	99 12513	0	-2	5 2.3	2	174	S	0	0	360	5	5	3.00	3	0.236835E-03		0.147466E-03		0.170062E-04		0.645998E-05	0.		0.0
125	99 12514	0	-2	5 2.1	2	114	ESE	0	0	360	5	5	3.00	3	0.259391E-03		0.161510E-03		0.186259E-04		0.707521E-05	0.		0.0
125	99 12515	0	-2	5 1.6	2	80	E	0	0	360	5	5	3.00	3	0.340450E-03		0.211982E-03		0.244465E-04		0.928621E-05	0.		0.0
125	99 12516	0	-3	4 3.6	3	207	SSW	0	0	360	4	4	2.00	3	0.114130E-03		0.729486E-04		0.576935E-05		0.272799E-05	0.		0.0
125	99 12517	0	-5	4 5.4	3	224	SW	0	0	360	4	4	1.78	3	0.856765E-04		0.486324E-04		0.399127E-05		0.181866E-05	0.		0.0
125	99 12518	0	-5	4 5.4	3	240	WSW	0	0	360	4	4	1.78	3	0.856765E-04		0.486324E-04		0.399127E-05		0.181866E-05	0.		0.0
125	99 12519	0	-4	4 3.0	2	249	WSW	0	0	360	4	4	2.00	3	0.136956E-03		0.875383E-04		0.692322E-05		0.327359E-05	0.		0.0
125	99 12520	0	1	5 2.7	2	222	SW	0	0	360	5	5	3.00	3	0.201748E-03		0.125619E-03		0.144868E-04		0.550294E-05	0.		0.0
125	99 12521	0	1	5 4.3	3	294	WNW	0	0	360	5	5	3.00	3	0.126679E-03		0.788772E-04		0.909636E-05		0.345534E-05	0.		0.0
125	99 12522	0	-1	5 5.2	3	335	NNW	0	0	360	5	5	2.58	3	0.121758E-03		0.652254E-04		0.799665E-05		0.285730E-05	0.		0.0
125	99 12523	0	-1	5 6.5	3	347	NNW	0	0	360	5	5	2.06	3	0.121758E-03		0.521803E-04		0.693665E-05		0.228584E-05	0.		0.0
125	99 12524	0	-2	5 4.1	3	6	N	0	0	360	5	5	3.00	3	0.132859E-03		0.827249E-04		0.954009E-05		0.362389E-05	0.		0.0
126	99 126 1	0	-2	5 4.3	3	18	NNE	0	0	360	5	5	3.00	3	0.126679E-03		0.788772E-04		0.909636E-05		0.345534E-05	0.		0.0
126	99 126 2	0	-1	5 3.6	3	25	NNE	0	0	360	5	5	3.00	3	0.151311E-03		0.942144E-04		0.108651E-04		0.412721E-05	0.		0.0
126	99 126 3	0	-1	5 3.2	2	26	NNE	0	0	360	5	5	3.00	3	0.170225E-03		0.105991E-03		0.122232E-04		0.464311E-05	0.		0.0
126	99 126 4	0	-2	5 2.1	2	39	NE	0	0	360	5	5	3.00	3	0.259391E-03		0.161510E-03		0.186259E-04		0.707521E-05	0.		0.0
126	99 126 5	0	-2	5 2.1	2	63	ENE	0	0	360	5	5	3.00	3	0.259391E-03		0.161510E-03		0.186259E-04		0.707521E-05	0.		0.0

, YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 18

E	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
126	99 126 6	0	-2	5 1.4	2	112	ESE	0	0	360	5	5	3.00	3	0.389086E-03		0.242266E-03		0.279388E-04		0.106128E-04	0.		0.0
126	99 126 7	0	-1	5 1.4	2	92	E	0	0	360	5	5	3.00	3	0.389086E-03		0.242266E-03		0.279388E-04		0.106128E-04	0.		0.0

EC-ENVR-1057
Page 266

12(	99	126	8	0	-1	5	1.6	2	66	ENE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
12(	99	126	9	0	0	5	1.6	2	101	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
12(	99	12610	0		0	5	1.8	2	117	ESE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
12(	99	12611	0		-4	4	2.1	2	179	S	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
12(	99	12612	0		-4	4	2.7	2	175	S	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
12(	99	12613	0		-7	4	3.4	2	195	SSW	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
12(	99	12614	0		-7	4	6.1	3	224	SW	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
12(	99	12615	0		-7	4	8.3	4	230	SW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
12(	99	12616	0		-6	4	11.5	4	238	WSW	0	0	360	4	4	1.10	1	0.478530E-04	0.228361E-04	0.211407E-05	0.853981E-06	0.	0.0
12(	99	12617	0		-6	4	9.9	4	235	SW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
12(	99	12618	0		-4	4	7.4	3	230	SW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
12(	99	12619	0		1	5	2.1	2	143	SE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
12(	99	12620	0		8	6	1.8	2	124	SE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
12(	99	12621	0		12	6	2.1	2	224	SW	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
12(	99	12622	0		16	6	1.4	2	142	SE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
12(	99	12623	0		19	6	1.4	2	118	ESE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
12(	99	12624	0		16	6	1.8	2	87	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
12'	99	127	1	0	8	6	1.6	2	67	ENE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
12'	99	127	2	0	7	5	2.3	2	77	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
12'	99	127	3	0	12	6	2.5	2	75	ENE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
12'	99	127	4	0	8	6	2.5	2	65	ENE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
12'	99	127	5	0	10	6	3.0	2	77	ENE	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
12'	99	127	6	0	4	5	2.1	2	72	ENE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
12'	99	127	7	0	3	5	1.8	2	77	ENE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
12'	99	127	8	0	7	5	3.0	2	73	ENE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
12'	99	127	9	0	13	6	3.0	2	72	ENE	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
12'	99	12710	0		4	5	3.6	3	76	ENE	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
12'	99	12711	0		0	5	3.0	2	89	E	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
12'	99	12712	0		3	5	2.7	2	103	ESE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
12'	99	12713	0		0	5	3.2	2	61	ENE	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
12'	99	12714	0		-1	5	2.3	2	63	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
12'	99	12715	0		10	6	2.1	2	144	SE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
12'	99	12716	0		8	6	2.3	2	154	SSE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
12'	99	12717	0		0	5	2.5	2	166	SSE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
12'	99	12718	0		1	5	2.3	2	160	SSE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
12'	99	12719	0		4	5	1.8	2	38	NE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
12'	99	12720	0		6	5	2.7	2	48	NE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
12'	99	12721	0		5	5	2.1	2	33	NNE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
12'	99	12722	0		15	6	2.3	2	79	E	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
12'	99	12723	0		18	6	2.1	2	53	NE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
12'	99	12724	0		17	6	2.3	2	59	ENE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
12(	99	128	1	0	17	6	2.1	2	71	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
12(	99	128	2	0	18	6	2.1	2	68	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
12(	99	128	3	0	14	6	1.4	2	99	E	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
12(	99	128	4	0	8	6	1.4	2	53	NE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
12(	99	128	5	0	6	5	1.4	2	88	E	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
12(	99	128	6	0	8	6	1.2	2	48	NE	0	0	360	6	6	4.00	3	0.751717E-03	0.442869E-03	0.765694E-04	0.198228E-04	0.	0.0
12(	99	128	7	0	10	6	1.4	2	63	ENE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
12(	99	128	8	0	14	6	1.8	2	131	SE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
12(	99	128	9	0	13	6	2.3	2	199	SSW	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
12(	99	12810	0		10	6	1.8	2	72	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
12(	99	12811	0		-1	5	2.3	2	122	ESE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
12(	99	12812	0		-5	4	4.7	3	197	SSW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0

TE	ODATE			TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
12(	99	12813	0	-6	4	4.5	3	207	SSW	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0				
12(	99	12814	0	-9	2	9.0	4	224	SW	0	0	360	2	2	0.00	1	0.136392E-04	0.138554E-04	0.125644E-06	0.104496E-06	0.	0.0				
12(	99	12815	0	-8	3	12.4	4	230	SW	0	0	360	3	3	0.00	1	0.206409E-04	0.150123E-04	0.498194E-06	0.299451E-06	0.	0.0				
12(	99	12816	0	-6	4	10.8	4	246	WSW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0				
12(	99	12817	0	-5	4	8.6	4	261	W	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0				
12(	99	12818	0	-4	4	5.9	3	299	WNW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0				

EC-ENVR-1057
Page 267

12E	99	12819	0	0	5	3.2	2	349	N	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
12E	99	12820	0	4	5	3.4	2	322	NW	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
12E	99	12821	0	7	5	5.4	3	341	NNW	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
12E	99	12822	0	13	6	2.7	2	156	SSE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
12E	99	12823	0	14	6	1.8	2	149	SSE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
12E	99	12824	0	-1	5	5.6	3	290	WNW	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
12S	99	129 1	0	-4	4	5.6	3	285	WNW	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
12S	99	129 2	0	-4	4	7.0	3	312	NW	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
12S	99	129 3	0	-4	4	6.1	3	304	NW	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
12S	99	129 4	0	-4	4	5.6	3	305	NW	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
12S	99	129 5	0	-4	4	7.7	4	313	NW	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0
12S	99	129 6	0	-5	4	10.1	4	351	N	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
12S	99	129 7	0	-4	4	9.7	4	5	N	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
12S	99	129 8	0	-4	4	9.9	4	11	N	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
12S	99	129 9	0	-5	4	11.0	4	5	N	0	0	360	4	4	1.13	1	0.500282E-04	0.238741E-04	0.219708E-05	0.892798E-06	0.	0.0
12S	99	12910	0	-6	4	8.8	4	4	N	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0
12S	99	12911	0	-6	4	7.9	4	357	N	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
12S	99	12912	0	-5	4	9.9	4	343	NNW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
12S	99	12913	0	-5	4	8.1	4	346	NNW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
12S	99	12914	0	-5	4	5.4	3	6	N	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
12S	99	12915	0	-6	4	5.4	3	356	N	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
12S	99	12916	0	-6	4	5.2	3	358	N	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
12S	99	12917	0	-7	4	5.2	3	39	NE	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
12S	99	12918	0	-5	4	3.0	2	56	NE	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
12S	99	12919	0	-3	4	2.5	2	81	E	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
12S	99	12920	0	-4	4	3.9	3	51	NE	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
12S	99	12921	0	-3	4	3.2	2	55	NE	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
12S	99	12922	0	0	5	3.2	2	42	NE	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
12S	99	12923	0	3	5	2.7	2	71	ENE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
12S	99	12924	0	3	5	2.1	2	66	ENE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
13C	99	130 1	0	1	5	3.0	2	39	NE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
13C	99	130 2	0	2	5	2.3	2	68	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
13C	99	130 3	0	-1	5	1.6	2	105	ESE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
13C	99	130 4	0	-2	5	1.8	2	108	ESE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
13C	99	130 5	0	-4	4	3.9	3	191	S	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
13C	99	130 6	0	-4	4	2.1	2	106	ESE	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
13C	99	130 7	0	-3	4	1.4	2	95	E	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
13C	99	130 8	0	-2	5	2.3	2	122	ESE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
13C	99	130 9	0	-2	5	1.6	2	66	ENE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
13C	99	13010	0	-4	4	2.1	2	212	SSW	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
13C	99	13011	0	-5	4	3.9	3	208	SSW	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
13C	99	13012	0	-5	4	3.0	2	129	SE	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
13C	99	13013	0	-5	4	5.0	3	256	WSW	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
13C	99	13014	0	-5	4	5.9	3	320	NW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
13C	99	13015	0	-5	4	8.6	4	323	NW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
13C	99	13016	0	-5	4	9.2	4	340	NNW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
13C	99	13017	0	-5	4	10.6	4	337	NNW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
13C	99	13018	0	-5	4	7.7	4	354	N	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0
13C	99	13019	0	-4	4	7.7	4	11	N	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0

L YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 20

TE	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE 8	XQ GT 8	XQ(ELEV)	LE 8	XQ(ELV)	GT 8	H2	TER	
13C	99	13020	0	-4	4	10.1	4	10	N	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
13C	99	13021	0	-4	4	9.7	4	13	NNE	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
13C	99	13022	0	-4	4	8.6	4	8	N	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
13C	99	13023	0	-4	4	8.6	4	21	NNE	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
13C	99	13024	0	-4	4	5.9	3	38	NE	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
131	99	131 1	0	-4	4	5.9	3	61	ENE	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
131	99	131 2	0	-4	4	5.9	3	72	ENE	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
131	99	131 3	0	-4	4	6.3	3	41	NE	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
131	99	131 4	0	-4	4	5.9	3	42	NE	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
131	99	131 5	0	-3	4	5.6	3	47	NE	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0

EC-ENVR-1057
Page 268

131	99	131	6	0	-3	4	5.0	3	54	NE	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
131	99	131	7	0	-3	4	5.6	3	42	NE	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
131	99	131	8	0	0	5	2.7	2	65	ENE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
131	99	131	9	0	0	5	4.5	3	57	ENE	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
131	99	13110	0		-6	4	5.4	3	69	ENE	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
131	99	13111	0		-7	4	6.3	3	43	NE	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
131	99	13112	0		-7	4	5.4	3	19	NNE	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
131	99	13113	0		-6	4	3.4	2	17	NNE	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
131	99	13114	0		-6	4	3.6	3	20	NNE	0	0	360	4	4	2.00	3	0.114130E-03	0.729486E-04	0.576935E-05	0.272799E-05	0.	0.0
131	99	13115	0		-6	4	5.2	3	18	NNE	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
131	99	13116	0		-5	4	4.3	3	358	N	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
131	99	13117	0		-5	4	3.9	3	7	N	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
131	99	13118	0		-4	4	3.2	2	143	SE	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
131	99	13119	0		1	5	4.1	3	179	S	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
131	99	13120	0		-1	5	2.1	2	162	SSE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
131	99	13121	0		0	5	2.1	2	180	S	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
131	99	13122	0		9	6	2.1	2	44	NE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
131	99	13123	0		12	6	1.8	2	90	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
131	99	13124	0		8	6	1.6	2	80	E	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
2 1	99	2	1	1	0	7	5	1.6	2	80	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 1	99	2	1	2	0	14	6	1.4	2	53	NE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
2 1	99	2	1	3	0	25	7	1.6	2	92	E	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0
2 1	99	2	1	4	0	17	6	1.2	2	102	ESE	0	0	360	6	6	4.00	3	0.751717E-03	0.442869E-03	0.765694E-04	0.198228E-04	0.	0.0
2 1	99	2	1	5	0	13	6	1.6	2	88	E	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
2 1	99	2	1	6	0	19	6	1.8	2	87	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
2 1	99	2	1	7	0	20	6	1.6	2	74	ENE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
2 1	99	2	1	8	0	19	6	1.6	2	91	E	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
2 1	99	2	1	9	0	18	6	1.8	2	106	ESE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
2 1	99	2	110		0	7	5	1.6	2	120	ESE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 1	99	2	111		0	-6	4	2.5	2	129	SE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
2 1	99	2	112		0	-8	3	4.7	3	198	SSW	0	0	360	3	3	0.00	1	0.544569E-04	0.396068E-04	0.131438E-05	0.790041E-06	0.	0.0
2 1	99	2	113		0	-8	3	5.0	3	207	SSW	0	0	360	3	3	0.00	1	0.511895E-04	0.372304E-04	0.123552E-05	0.742639E-06	0.	0.0
2 1	99	2	114		0	-8	3	5.2	3	213	SSW	0	0	360	3	3	0.00	1	0.492207E-04	0.357985E-04	0.118800E-05	0.714076E-06	0.	0.0
2 1	99	2	115		0	-10	1	5.2	3	200	SSW	0	0	360	1	1	0.00	1	0.784586E-05	0.108598E-04	0.162146E-06	0.180858E-06	0.	0.0
2 1	99	2	116		0	-8	3	5.4	3	189	S	0	0	360	3	3	0.00	1	0.473977E-04	0.344726E-04	0.114400E-05	0.687628E-06	0.	0.0
2 1	99	2	117		0	-5	4	3.4	2	162	SSE	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
2 1	99	2	118		0	-3	4	2.3	2	173	S	0	0	360	4	4	2.00	3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0
2 1	99	2	119		0	-2	5	2.5	2	164	SSE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
2 1	99	2	120		0	0	5	1.4	2	89	E	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 1	99	2	121		0	12	6	1.6	2	48	NE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
2 1	99	2	122		0	5	5	2.5	2	167	SSE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
2 1	99	2	123		0	-2	5	3.9	3	222	SW	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
2 1	99	2	124		0	2	5	2.3	2	127	SE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 2	99	2	2	1	0	1	5	1.6	2	112	ESE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 2	99	2	2	2	0	8	6	2.3	2	41	NE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0

. YEJ 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 21

E	ODATE				TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
2 2	99	2	2	3	0	10	6	2.3	2	351	N	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0						
2 2	99	2	2	4	0	14	6	2.1	2	25	NNE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0						
2 2	99	2	2	5	0	10	6	3.0	2	22	NNE	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0						
2 2	99	2	2	6	0	0	5	2.7	2	85	E	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0						
2 2	99	2	2	7	0	-1	5	2.5	2	155	SSE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0						
2 2	99	2	2	8	0	-1	5	2.3	2	238	WSW	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0						
2 2	99	2	2	9	0	1	5	3.4	2	207	SSW	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0						
2 2	99	2	210		0	13	6	2.3	2	52	NE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0						
2 2	99	2	211		0	32	7	1.6	2	121	ESE	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0						
2 2	99	2	212		0	32	7	1.8	2	33	NNE	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0						
2 2	99	2	213		0	34	7	2.1	2	138	SE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0						
2 2	99	2	214		0	32	7	1.6	2	166	SSE	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0						
2 2	99	2	215		0	29	7	1.6	2	119	ESE	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0						
2 2	99	2	216		0	7	5	3.6	3	194	SSW	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0						

EC-ENVR-1057
Page 269

2 2	99	2	217	0	-2	5	6.8	3	213	SSW	0	0	360	5	5	1.97	1	0.121325E-03	0.498782E-04	0.673075E-05	0.218499E-05	0.	0.0
2 2	99	2	218	0	4	5	7.4	3	230	SW	0	0	360	5	5	1.81	1	0.111488E-03	0.458340E-04	0.635358E-05	0.200783E-05	0.	0.0
2 2	99	2	219	0	1	5	3.6	3	209	SSW	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
2 2	99	2	220	0	0	5	3.6	3	205	SSW	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
2 2	99	2	221	0	-2	5	2.3	2	180	S	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 2	99	2	222	0	-2	5	1.4	2	117	ESE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 2	99	2	223	0	-2	5	2.1	2	113	ESE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 2	99	2	224	0	-2	5	1.8	2	74	ENE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
2 3	99	2	3 1	0	-1	5	1.6	2	82	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 3	99	2	3 2	0	-1	5	1.6	2	187	S	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 3	99	2	3 3	0	-2	5	1.4	2	180	S	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 3	99	2	3 4	0	-1	5	1.6	2	153	SSE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 3	99	2	3 5	0	0	5	1.8	2	152	SSE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
2 3	99	2	3 6	0	-2	5	4.5	3	224	SW	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
2 3	99	2	3 7	0	-3	4	4.1	3	240	WSW	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
2 3	99	2	3 8	0	-3	4	2.5	2	255	WSW	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
2 3	99	2	3 9	0	0	5	4.3	3	240	WSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
2 3	99	2	310	0	-1	5	4.3	3	151	SSE	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
2 3	99	2	311	0	-3	4	4.3	3	149	SSE	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
2 3	99	2	312	0	-1	5	3.0	2	223	SW	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
2 3	99	2	313	0	-6	4	3.9	3	313	NW	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
2 3	99	2	314	0	-9	2	5.4	3	188	S	0	0	360	2	2	0.00	1	0.227320E-04	0.230924E-04	0.209407E-06	0.174160E-06	0.	0.0
2 3	99	2	315	0	-10	1	6.8	3	201	SSW	0	0	360	1	1	0.00	1	0.599977E-05	0.830454E-05	0.123994E-06	0.138303E-06	0.	0.0
2 3	99	2	316	0	-9	2	5.0	3	193	SSW	0	0	360	2	2	0.00	1	0.245506E-04	0.249398E-04	0.226160E-06	0.188092E-06	0.	0.0
2 3	99	2	317	0	-7	4	5.0	3	200	SSW	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
2 3	99	2	318	0	-5	4	5.9	3	228	SW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
2 3	99	2	319	0	2	5	2.5	2	176	S	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
2 3	99	2	320	0	21	6	2.1	2	73	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
2 3	99	2	321	0	31	7	3.0	2	65	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
2 3	99	2	322	0	35	7	3.0	2	65	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
2 3	99	2	323	0	51	7	3.0	2	67	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
2 3	99	2	324	0	53	7	3.4	2	68	ENE	0	0	360	7	7	6.00	3	0.416152E-03	0.242502E-03	0.487123E-04	0.867700E-05	0.	0.0
2 4	99	2	4 1	0	53	7	3.0	2	72	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
2 4	99	2	4 2	0	52	7	3.4	2	41	NE	0	0	360	7	7	6.00	3	0.416152E-03	0.242502E-03	0.487123E-04	0.867700E-05	0.	0.0
2 4	99	2	4 3	0	42	7	3.4	2	37	NE	0	0	360	7	7	6.00	3	0.416152E-03	0.242502E-03	0.487123E-04	0.867700E-05	0.	0.0
2 4	99	2	4 4	0	34	7	3.0	2	24	NNE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
2 4	99	2	4 5	0	21	6	2.7	2	125	SE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
2 4	99	2	4 6	0	28	7	2.5	2	47	NE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0
2 4	99	2	4 7	0	13	6	3.0	2	65	ENE	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
2 4	99	2	4 8	0	12	6	4.5	3	76	ENE	0	0	360	6	6	3.97	3	0.201940E-03	0.118098E-03	0.204943E-04	0.528607E-05	0.	0.0
2 4	99	2	4 9	0	5	5	4.3	3	210	SSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0

L YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 22

TE	ODATE			TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE 8	XQ GT 8	XQ(ELEV)	LE 8 XQ(ELV)	GT 8	H2 TER
2 4	99	2	410	0	-1 5	4.3	3	150	SSE	0	0	360	5	5	3.00 3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
2 4	99	2	411	0	-4 4	3.9	3	144	SE	0	0	360	4	4	2.00 3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
2 4	99	2	412	0	-5 4	4.3	3	174	S	0	0	360	4	4	2.00 3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
2 4	99	2	413	0	-4 4	4.7	3	185	S	0	0	360	4	4	1.94 3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
2 4	99	2	414	0	-6 4	4.7	3	207	SSW	0	0	360	4	4	1.94 3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
2 4	99	2	415	0	0 2	3.4	0	206	0	0 0	0 0										
2 4	99	2	416	0	-6 4	4.1	3	223	SW	0	0	360	4	4	2.00 3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
2 4	99	2	417	0	-5 4	5.6	3	295	WNW	0	0	360	4	4	1.74 3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
2 4	99	2	418	0	-4 4	5.6	3	309	NW	0	0	360	4	4	1.74 3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
2 4	99	2	419	0	-3 4	4.5	3	294	WNW	0	0	360	4	4	1.99 3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
2 4	99	2	420	0	-4 4	8.1	4	298	WNW	0	0	360	4	4	1.38 1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
2 4	99	2	421	0	-4 4	9.9	4	313	NW	0	0	360	4	4	1.21 1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
2 4	99	2	422	0	-4 4	9.2	4	315	NW	0	0	360	4	4	1.27 1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
2 4	99	2	423	0	-4 4	9.0	4	316	NW	0	0	360	4	4	1.29 1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
2 4	99	2	424	0	-4 4	7.0	3	323	NW	0	0	360	4	4	1.51 3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
2 5	99	2	5 1	0	-4 4	8.1	4	306	NW	0	0	360	4	4	1.38 1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
2 5	99	2	5 2	0	-4 4	9.9	4	311	NW	0	0	360	4	4	1.21 1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
2 5	99	2	5 3	0	-4 4	11.7	4	306	NW	0	0	360	4	4	1.09 1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0

EC-ENVR-1057
Page 270

2 5	99 2 5 4	0	-4	4	10.6	4	329	NNW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
2 5	99 2 5 5	0	-4	4	9.2	4	322	NW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
2 5	99 2 5 6	0	-4	4	9.7	4	318	NW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
2 5	99 2 5 7	0	-4	4	12.6	5	345	NNW	0	0	360	4	4	1.04	1	0.436754E-04	0.208424E-04	0.193894E-05	0.779427E-06	0.	0.0
2 5	99 2 5 8	0	-5	4	11.5	4	353	N	0	0	360	4	4	1.10	1	0.478530E-04	0.228361E-04	0.211407E-05	0.853981E-06	0.	0.0
2 5	99 2 5 9	0	-5	4	9.9	4	351	N	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
2 5	99 2 510	0	-5	4	10.8	4	351	N	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
2 5	99 2 511	0	-6	4	9.4	4	333	NNW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
2 5	99 2 512	0	-6	4	11.0	4	338	NNW	0	0	360	4	4	1.13	1	0.500282E-04	0.238741E-04	0.219708E-05	0.892798E-06	0.	0.0
2 5	99 2 513	0	-6	4	9.4	4	341	NNW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
2 5	99 2 514	0	-6	4	10.8	4	354	N	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
2 5	99 2 515	0	-6	4	11.7	4	344	NNW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
2 5	99 2 516	0	-6	4	9.7	4	351	N	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
2 5	99 2 517	0	-5	4	7.9	4	342	NNW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
2 5	99 2 518	0	-5	4	7.4	3	6	N	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
2 5	99 2 519	0	-2	5	6.8	3	5	N	0	0	360	5	5	1.97	1	0.121325E-03	0.498782E-04	0.673075E-05	0.218499E-05	0.	0.0
2 5	99 2 520	0	2	5	5.4	3	11	N	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
2 5	99 2 521	0	4	5	1.6	2	68	ENE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 5	99 2 522	0	7	5	5.0	3	30	NNE	0	0	360	5	5	2.68	3	0.121758E-03	0.678344E-04	0.818918E-05	0.297159E-05	0.	0.0
2 5	99 2 523	0	3	5	3.4	2	43	NE	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
2 5	99 2 524	0	2	5	2.1	2	36	NE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 6	99 2 6 1	0	1	5	2.3	2	48	NE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 6	99 2 6 2	0	0	5	1.6	2	80	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 6	99 2 6 3	0	-2	5	3.4	2	9	N	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
2 6	99 2 6 4	0	-4	4	2.7	2	51	NE	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
2 6	99 2 6 5	0	-4	4	3.6	3	15	NNE	0	0	360	4	4	2.00	3	0.114130E-03	0.729486E-04	0.576935E-05	0.272799E-05	0.	0.0
2 6	99 2 6 6	0	-2	5	3.2	2	18	NNE	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
2 6	99 2 6 7	0	-1	5	3.0	2	38	NE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
2 6	99 2 6 8	0	2	5	1.8	2	78	ENE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
2 6	99 2 6 9	0	1	5	2.1	2	41	NE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 6	99 2 610	0	-2	5	2.1	2	145	SE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 6	99 2 611	0	4	5	4.5	3	356	N	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
2 6	99 2 612	0	3	5	1.8	2	63	ENE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
2 6	99 2 613	0	-3	4	1.2	2	165	SSE	0	0	360	4	4	2.00	3	0.342389E-03	0.218846E-03	0.173081E-04	0.818398E-05	0.	0.0
2 6	99 2 614	0	-5	4	1.2	2	206	SSW	0	0	360	4	4	2.00	3	0.342389E-03	0.218846E-03	0.173081E-04	0.818398E-05	0.	0.0
2 6	99 2 615	0	-5	4	3.2	2	195	SSW	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
2 6	99 2 616	0	-3	4	3.0	2	205	SSW	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0

YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 23

TE	0DATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ			XQ LE 8	XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	H2	TER
2 6	99 2 617	0	-4	4	2.5	2	197	SSW	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
2 6	99 2 618	0	-4	4	1.8	2	107	ESE	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
2 6	99 2 619	0	-2	5	2.7	2	224	SW	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
2 6	99 2 620	0	-1	5	4.3	3	239	WSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
2 6	99 2 621	0	8	6	2.5	2	140	SE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
2 6	99 2 622	0	9	6	1.6	2	83	E	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
2 6	99 2 623	0	7	5	3.2	2	323	NW	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
2 6	99 2 624	0	-1	5	5.9	3	317	NW	0	0	360	5	5	2.27	3	0.121758E-03	0.574868E-04	0.738868E-05	0.251830E-05	0.	0.0
2 7	99 2 7 1	0	-4	4	9.0	4	326	NW	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
2 7	99 2 7 2	0	-4	4	9.2	4	316	NW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
2 7	99 2 7 3	0	-4	4	8.6	4	338	NNW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
2 7	99 2 7 4	0	-4	4	6.8	3	350	N	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
2 7	99 2 7 5	0	-3	4	4.7	3	348	NNW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
2 7	99 2 7 6	0	-1	5	3.4	2	17	NNE	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
2 7	99 2 7 7	0	-3	4	3.4	2	15	NNE	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
2 7	99 2 7 8	0	-1	5	2.1	2	231	SW	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 7	99 2 7 9	0	0	5	1.2	2	166	SSE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
2 7	99 2 710	0	2	5	2.3	2	230	SW	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 7	99 2 711	0	-2	5	2.3	2	60	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 7	99 2 712	0	-5	4	1.8	2	83	E	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
2 7	99 2 713	0	-5	4	3.0	2	66	ENE	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
2 7	99 2 714	0	-5	4	5.2	3	60	ENE	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0

EC-ENVR-1057
Page 271

2 7	99 2 715 0	-4 4	2.7 2	86 E	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
2 7	99 2 716 0	-3 4	2.1 2	5 N	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
2 7	99 2 717 0	-2 5	3.4 2	43 NE	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
2 7	99 2 718 0	0 5	3.6 3	27 NNE	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
2 7	99 2 719 0	-1 5	3.0 2	69 ENE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
2 7	99 2 720 0	-1 5	2.5 2	54 NE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
2 7	99 2 721 0	-1 5	2.3 2	52 NE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 7	99 2 722 0	-1 5	3.4 2	42 NE	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
2 7	99 2 723 0	-2 5	5.2 3	39 NE	0	0	360	5	5	2.58	3	0.121758E-03	0.652254E-04	0.799665E-05	0.285730E-05	0.	0.0
2 7	99 2 724 0	-2 5	5.9 3	33 NNE	0	0	360	5	5	2.27	3	0.121758E-03	0.574868E-04	0.738868E-05	0.251830E-05	0.	0.0
2 8	99 2 8 1 0	-1 5	4.7 3	37 NE	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
2 8	99 2 8 2 0	0 5	4.3 3	35 NE	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
2 8	99 2 8 3 0	-1 5	3.6 3	31 NNE	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
2 8	99 2 8 4 0	-1 5	2.7 2	31 NNE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
2 8	99 2 8 5 0	-1 5	2.1 2	27 NNE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 8	99 2 8 6 0	-1 5	2.1 2	31 NNE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 8	99 2 8 7 0	-2 5	2.7 2	36 NE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
2 8	99 2 8 8 0	-1 5	2.5 2	39 NE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
2 8	99 2 8 9 0	-3 4	2.1 2	56 NE	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
2 8	99 2 810 0	-1 5	1.4 2	176 S	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 8	99 2 811 0	-2 5	3.0 2	229 SW	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
2 8	99 2 812 0	-1 5	4.5 3	32 NNE	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
2 8	99 2 813 0	-4 4	4.7 3	18 NNE	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
2 8	99 2 814 0	-5 4	4.5 3	34 NE	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
2 8	99 2 815 0	-5 4	5.4 3	26 NNE	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
2 8	99 2 816 0	-4 4	4.3 3	2 N	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
2 8	99 2 817 0	-5 4	3.4 2	359 N	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
2 8	99 2 818 0	-4 4	6.5 3	323 NW	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
2 8	99 2 819 0	-3 4	3.2 2	296 WNW	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
2 8	99 2 820 0	7 5	4.1 3	333 NNW	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
2 8	99 2 821 0	13 6	3.0 2	83 E	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
2 8	99 2 822 0	10 6	3.2 2	56 NE	0	0	360	6	6	4.00	3	0.281894E-03	0.166076E-03	0.287135E-04	0.743354E-05	0.	0.0
2 8	99 2 823 0	5 5	2.3 2	72 ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0

YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04*** PAGE 24

TE	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ	GT	8	XQ(RLEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
2 8	99 2 824 0	8 6	1.8 2	94 E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
2 9	99 2 9 1 0	2 5	1.6 2	141 SE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 9	99 2 9 2 0	3 5	1.6 2	206 SSW	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 9	99 2 9 3 0	2 5	1.6 2	314 NW	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 9	99 2 9 4 0	10 6	1.8 2	131 SE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
2 9	99 2 9 5 0	5 5	1.8 2	196 SSW	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
2 9	99 2 9 6 0	7 5	1.8 2	102 ESE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
2 9	99 2 9 7 0	7 5	1.4 2	196 SSW	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 9	99 2 9 8 0	10 6	2.1 2	79 E	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
2 9	99 2 9 9 0	16 6	2.7 2	64 ENE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
2 9	99 2 910 0	14 6	2.5 2	71 ENE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
2 9	99 2 911 0	2 5	1.8 2	143 SE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
2 9	99 2 912 0	-4 4	2.1 2	127 SE	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
2 9	99 2 913 0	-4 4	2.5 2	142 SE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
2 9	99 2 914 0	-8 3	4.1 3	191 S	0	0	360	3	3	0.00	1	0.624262E-04	0.454030E-04	0.150673E-05	0.905657E-06	0.	0.0
2 9	99 2 915 0	-8 3	4.7 3	212 SSW	0	0	360	3	3	0.00	1	0.544569E-04	0.396068E-04	0.131438E-05	0.790041E-06	0.	0.0
2 9	99 2 916 0	-7 4	4.5 3	193 SSW	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
2 9	99 2 917 0	-6 4	5.2 3	198 SSW	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
2 9	99 2 918 0	-3 4	3.9 3	186 S	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
2 9	99 2 919 0	6 5	2.1 2	167 SSE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 9	99 2 920 0	17 6	2.3 2	74 ENE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
2 9	99 2 921 0	25 7	2.3 2	70 ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
2 9	99 2 922 0	34 7	2.1 2	85 E	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
2 9	99 2 923 0	34 7	1.8 2	93 E	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0
2 9	99 2 924 0	32 7	2.1 2	224 SW	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
210	99 210 1 0	16 6	1.8 2	102 ESE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0

EC-ENVR-1057
Page 272

210	99	210	2	0	15	6	1.8	2	74	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
210	99	210	3	0	30	7	1.8	2	101	E	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0
210	99	210	4	0	43	7	2.1	2	125	SE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
210	99	210	5	0	25	7	5.6	3	276	W	0	0	360	7	7	4.16	3	0.364403E-03	0.147233E-03	0.364831E-04	0.526818E-05	0.	0.0
210	99	210	6	0	-1	5	9.0	4	319	NW	0	0	360	5	5	1.49	1	0.916681E-04	0.376858E-04	0.552758E-05	0.165088E-05	0.	0.0
210	99	210	7	0	-2	5	7.9	4	314	NW	0	0	360	5	5	1.70	1	0.104432E-03	0.429332E-04	0.607012E-05	0.188075E-05	0.	0.0
210	99	210	8	0	-2	5	2.7	2	256	WSW	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
210	99	210	9	0	-2	5	4.3	3	268	W	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
210	99	21010	0		-4	4	5.4	3	275	W	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
210	99	21011	0		-6	4	6.1	3	303	WNW	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
210	99	21012	0		-5	4	7.0	3	308	NW	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
210	99	21013	0		-6	4	8.1	4	295	WNW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
210	99	21014	0		-6	4	8.6	4	311	NW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
210	99	21015	0		-6	4	8.3	4	296	WNW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
210	99	21016	0		-5	4	8.3	4	320	NW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
210	99	21017	0		-5	4	6.8	3	322	NW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
210	99	21018	0		-4	4	4.7	3	324	NW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
210	99	21019	0		-2	5	5.2	3	348	NNW	0	0	360	5	5	2.58	3	0.121758E-03	0.652254E-04	0.799665E-05	0.285730E-05	0.	0.0
210	99	21020	0		7	5	4.3	3	10	N	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
210	99	21021	0		35	7	2.3	2	38	NE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
210	99	21022	0		52	7	2.7	2	59	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0
210	99	21023	0		50	7	2.1	2	117	ESE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
210	99	21024	0		27	7	2.5	2	78	ENE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0
211	99	211	1	0	37	7	1.8	2	72	ENE	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0
211	99	211	2	0	39	7	2.1	2	96	E	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
211	99	211	3	0	30	7	3.2	2	60	ENE	0	0	360	7	7	6.00	3	0.442162E-03	0.257658E-03	0.517568E-04	0.921931E-05	0.	0.0
211	99	211	4	0	26	7	3.4	2	69	ENE	0	0	360	7	7	6.00	3	0.416152E-03	0.242502E-03	0.487123E-04	0.867700E-05	0.	0.0
211	99	211	5	0	25	7	3.2	2	74	ENE	0	0	360	7	7	6.00	3	0.442162E-03	0.257658E-03	0.517568E-04	0.921931E-05	0.	0.0
211	99	211	6	0	25	7	4.1	3	69	ENE	0	0	360	7	7	6.00	3	0.345102E-03	0.201099E-03	0.403955E-04	0.719556E-05	0.	0.0

L YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 25

TE 0DATE TEMP GP SPED GP DIR GP RA RB RANG IRY IRZ XQ LE 8 XQ GT 8 XQ(ELEV) LE 8 XQ(ELV) GT 8 H2 TER

211	99	211	7	0	26	7	3.0	2	81	E	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
211	99	211	8	0	19	6	2.5	2	78	ENE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
211	99	211	9	0	14	6	2.7	2	70	ENE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
211	99	21110	0		8	6	3.4	2	78	ENE	0	0	360	6	6	4.00	3	0.265312E-03	0.156307E-03	0.270245E-04	0.699627E-05	0.	0.0
211	99	21111	0		9	6	3.2	2	84	E	0	0	360	6	6	4.00	3	0.281894E-03	0.166076E-03	0.287135E-04	0.743354E-05	0.	0.0
211	99	21112	0		6	5	2.5	2	90	E	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
211	99	21113	0		-8	3	6.1	3	186	S	0	0	360	3	3	0.00	1	0.419586E-04	0.305167E-04	0.101272E-05	0.608720E-06	0.	0.0
211	99	21114	0		-9	2	7.0	3	186	S	0	0	360	2	2	0.00	1	0.175361E-04	0.178141E-04	0.161543E-06	0.134352E-06	0.	0.0
211	99	21115	0		-8	3	7.7	4	179	S	0	0	360	3	3	0.00	1	0.332399E-04	0.241756E-04	0.802286E-06	0.482233E-06	0.	0.0
211	99	21116	0		-7	4	7.0	3	188	S	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0

L YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 31

TE 0DATE TEMP GP SPED GP DIR GP RA RB RANG IRY IRZ XQ LE 8 XQ GT 8 XQ(ELEV) LE 8 XQ(ELV) GT 8 H2 TER

L YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 37

0

RECT	DIRECTION	CENTERLINE XQ GROUND	CENTERLINE XQ ELEVATED	AVERAGE XQ GROUND	AVERAGE XQ ELEVATED
	N	0.595044E-05	0.361482E-06	0.333039E-05	0.131528E-06
	NNE	0.961078E-05	0.682873E-06	0.562891E-05	0.224930E-06
	NE	0.218802E-04	0.191493E-05	0.130911E-04	0.532499E-06
	ENE	0.656656E-04	0.684914E-05	0.388080E-04	0.154642E-05
	E	0.303730E-04	0.291804E-05	0.181718E-04	0.743931E-06
	ESE	0.155288E-04	0.137192E-05	0.938510E-05	0.382966E-06
	SE	0.108885E-04	0.893614E-06	0.659711E-05	0.270651E-06
	SSE	0.746138E-05	0.568093E-06	0.455684E-05	0.184999E-06
	S	0.932605E-05	0.700604E-06	0.572044E-05	0.236109E-06
	SSW	0.904028E-05	0.617967E-06	0.552732E-05	0.224474E-06
	SW	0.952101E-05	0.590249E-06	0.555319E-05	0.218107E-06
	WSW	0.412751E-05	0.226034E-06	0.234893E-05	0.884742E-07
	W	0.224866E-05	0.123850E-06	0.128078E-05	0.485229E-07
	WNW	0.135431E-05	0.706465E-07	0.755756E-06	0.285886E-07
	NW	0.247935E-05	0.130563E-06	0.134960E-05	0.527526E-07

EC-ENVR-1057
Page 273

NNW	0.292027E-05	0.151917E-06	0.155476E-05	0.593248E-07

YRJ 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 38

AVERAGE X/Q HOUR OF THE DAY 1 2 3

ECTI 0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	0.712533E-05	0.302707E-06	0.251381E-05	0.103402E-06	0.373539E-05	0.156637E-06
NNE	0.857814E-05	0.339941E-06	0.551663E-05	0.235980E-06	0.609879E-05	0.262213E-06
NE	0.188136E-04	0.750351E-06	0.178354E-04	0.744454E-06	0.178072E-04	0.728256E-06
ENE	0.801765E-04	0.314941E-05	0.823040E-04	0.328626E-05	0.712919E-04	0.279780E-05
E	0.271570E-04	0.113704E-05	0.304461E-04	0.118043E-05	0.411186E-04	0.165116E-05
ESE	0.924981E-05	0.380753E-06	0.137826E-04	0.558462E-06	0.147075E-04	0.625991E-06
SE	0.659890E-05	0.265437E-06	0.137221E-04	0.552909E-06	0.115258E-04	0.482066E-06
SSE	0.820108E-05	0.343914E-06	0.599312E-05	0.260049E-06	0.380966E-05	0.149033E-06
S	0.595980E-05	0.259221E-06	0.589373E-05	0.244837E-06	0.541602E-05	0.228355E-06
SSW	0.658216E-05	0.271336E-06	0.569623E-05	0.244906E-06	0.906889E-05	0.394761E-06
SW	0.364420E-05	0.156205E-06	0.604231E-05	0.259215E-06	0.257248E-05	0.107237E-06
WSW	0.237392E-05	0.989823E-07	0.177275E-05	0.732105E-07	0.208827E-05	0.868712E-07
W	0.554411E-06	0.221897E-07	0.467477E-06	0.174818E-07	0.153017E-05	0.641551E-07
WNW	0.137320E-05	0.540687E-07	0.118954E-05	0.467221E-07	0.118274E-06	0.442298E-08
NW	0.126120E-05	0.506220E-07	0.239567E-05	0.981070E-07	0.219112E-05	0.911713E-07
NNW	0.115300E-05	0.453014E-07	0.138496E-05	0.586074E-07	0.166557E-05	0.651607E-07

AVERAGE X/Q HOUR OF THE DAY 4 5 6

ECT 0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	0.306840E-05	0.125019E-06	0.272245E-05	0.112674E-06	0.214045E-05	0.876733E-07
NNE	0.133804E-04	0.556809E-06	0.467513E-05	0.190600E-06	0.754151E-05	0.318761E-06
NE	0.203179E-04	0.852851E-06	0.200055E-04	0.846488E-06	0.215545E-04	0.887703E-06
ENE	0.852282E-04	0.342510E-05	0.801006E-04	0.321283E-05	0.720312E-04	0.292599E-05
E	0.243772E-04	0.994321E-06	0.363022E-04	0.151346E-05	0.334060E-04	0.139553E-05
ESE	0.108547E-04	0.453893E-06	0.128620E-04	0.525295E-06	0.190008E-04	0.797405E-06
SE	0.852422E-05	0.363469E-06	0.934952E-05	0.411405E-06	0.802193E-05	0.348410E-06
SSE	0.895083E-05	0.356394E-06	0.565770E-05	0.238127E-06	0.241966E-05	0.104147E-06
S	0.185446E-05	0.789252E-07	0.206500E-05	0.897719E-07	0.429444E-05	0.185272E-06
SSW	0.384633E-05	0.168600E-06	0.428681E-05	0.188364E-06	0.444658E-05	0.195134E-06
SW	0.541626E-05	0.229369E-06	0.357197E-05	0.146497E-06	0.665799E-05	0.287482E-06
WSW	0.160308E-05	0.650050E-07	0.271687E-05	0.111082E-06	0.168565E-05	0.698957E-07
W	0.114977E-05	0.485104E-07	0.247334E-05	0.103824E-06	0.115732E-05	0.490249E-07
WNW	0.227221E-06	0.849720E-08	0.486741E-06	0.201933E-07	0.612107E-06	0.228904E-07
NW	0.160636E-05	0.655893E-07	0.152749E-05	0.627483E-07	0.102936E-05	0.413070E-07
NNW	0.101385E-05	0.394458E-07	0.764650E-06	0.285949E-07	0.129047E-05	0.510820E-07

L YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 39

AVERAGE X/Q HOUR OF THE DAY 7 8 9

RECT 0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	0.262521E-05	0.107733E-06	0.198926E-05	0.768978E-07	0.227343E-05	0.913612E-07
NNE	0.299712E-05	0.121896E-06	0.344360E-05	0.141855E-06	0.341092E-05	0.129513E-06
NE	0.206233E-04	0.867962E-06	0.166820E-04	0.678122E-06	0.134663E-04	0.556918E-06
ENE	0.679675E-04	0.276658E-05	0.446183E-04	0.177956E-05	0.311908E-04	0.123906E-05
E	0.368778E-04	0.153916E-05	0.478332E-04	0.203675E-05	0.331128E-04	0.134106E-05
ESE	0.185852E-04	0.790934E-06	0.153902E-04	0.650548E-06	0.127114E-04	0.483209E-06
SE	0.563414E-05	0.246574E-06	0.139974E-04	0.606255E-06	0.727156E-05	0.289163E-06
SSE	0.633767E-05	0.258254E-06	0.345408E-05	0.141824E-06	0.730772E-05	0.300696E-06
S	0.851139E-05	0.377393E-06	0.313099E-05	0.133466E-06	0.687919E-05	0.275639E-06
SSW	0.530474E-05	0.228111E-06	0.506185E-05	0.220076E-06	0.682679E-05	0.281468E-06
SW	0.388863E-05	0.166167E-06	0.572159E-05	0.246871E-06	0.481796E-05	0.188945E-06
WSW	0.182520E-05	0.750625E-07	0.240230E-05	0.100312E-06	0.125525E-05	0.500696E-07
W	0.962096E-06	0.398055E-07	0.521554E-06	0.202623E-07	0.104657E-05	0.405307E-07
WNW	0.656769E-06	0.252243E-07	0.187500E-06	0.701178E-08	0.224990E-06	0.841376E-08
NW	0.267141E-06	0.107461E-07	0.571347E-06	0.213662E-07	0.152944E-05	0.612596E-07
NNW	0.208886E-05	0.820456E-07	0.356010E-05	0.137515E-06	0.744512E-06	0.278419E-07

EC-ENVR-1057
Page 274

AVERAGE X/Q HOUR OF THE DAY

RECT 0	0		10		11		12
DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED	
N	0.141024E-05	0.514885E-07	0.125773E-05	0.458980E-07	0.191056E-05	0.603942E-07	
NNE	0.422637E-05	0.157497E-06	0.503794E-05	0.187880E-06	0.641375E-05	0.237778E-06	
NE	0.872050E-05	0.340589E-06	0.739779E-05	0.274947E-06	0.332197E-05	0.116083E-06	
ENE	0.130725E-04	0.510801E-06	0.693239E-05	0.245419E-06	0.259470E-05	0.958630E-07	
E	0.181988E-04	0.707375E-06	0.772953E-05	0.307970E-06	0.726468E-05	0.290192E-06	
ESE	0.192144E-04	0.773609E-06	0.139461E-04	0.552119E-06	0.464088E-05	0.176710E-06	
SE	0.120690E-04	0.467183E-06	0.704415E-05	0.263534E-06	0.529463E-05	0.193390E-06	
SSE	0.486163E-05	0.190891E-06	0.365224E-05	0.140838E-06	0.156295E-05	0.549217E-07	
S	0.541413E-05	0.220188E-06	0.399684E-05	0.141080E-06	0.389158E-05	0.137822E-06	
SSW	0.662242E-05	0.233559E-06	0.313291E-05	0.103260E-06	0.466004E-05	0.159269E-06	
SW	0.481363E-05	0.171308E-06	0.618165E-05	0.212003E-06	0.439967E-05	0.140676E-06	
WSW	0.161896E-05	0.552162E-07	0.299853E-05	0.108736E-06	0.274732E-05	0.898909E-07	
W	0.968701E-06	0.389474E-07	0.147530E-05	0.506816E-07	0.143513E-05	0.523047E-07	
WNW	0.576858E-06	0.188360E-07	0.440845E-06	0.146444E-07	0.104490E-05	0.364178E-07	
NW	0.331019E-06	0.123788E-07	0.951670E-06	0.341952E-07	0.102936E-05	0.384939E-07	
NNW	0.956873E-06	0.357833E-07	0.144379E-05	0.486921E-07	0.117056E-05	0.409597E-07	

L YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04... PAGE 40

AVERAGE X/Q HOUR OF THE DAY

RECT 0	0		13		14		15
DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED	
N	0.161428E-05	0.555275E-07	0.179935E-05	0.616197E-07	0.217643E-05	0.788757E-07	
NNE	0.327281E-05	0.110642E-06	0.386050E-05	0.146499E-06	0.255606E-05	0.836870E-07	
NE	0.351182E-05	0.115415E-06	0.260699E-05	0.926932E-07	0.450777E-05	0.172310E-06	
ENE	0.295185E-05	0.108990E-06	0.259682E-05	0.988759E-07	0.210813E-05	0.755271E-07	
E	0.202599E-05	0.771714E-07	0.221318E-05	0.833498E-07	0.277959E-05	0.102165E-06	
ESE	0.195478E-05	0.675218E-07	0.124551E-05	0.411289E-07	0.291015E-05	0.106529E-06	
SE	0.432793E-05	0.154980E-06	0.174299E-05	0.609635E-07	0.264084E-05	0.921900E-07	
SSE	0.255238E-05	0.848183E-07	0.260673E-05	0.925597E-07	0.116794E-05	0.416290E-07	
S	0.317372E-05	0.111937E-06	0.273691E-05	0.936256E-07	0.280404E-05	0.915435E-07	
SSW	0.370917E-05	0.122165E-06	0.352605E-05	0.110564E-06	0.335501E-05	0.107760E-06	
SW	0.524947E-05	0.162173E-06	0.551779E-05	0.179179E-06	0.368577E-05	0.105660E-06	
WSW	0.234255E-05	0.719205E-07	0.195961E-05	0.585938E-07	0.256071E-05	0.772933E-07	
W	0.973517E-06	0.298476E-07	0.108826E-05	0.351139E-07	0.992072E-06	0.315505E-07	
WNW	0.549600E-06	0.183518E-07	0.478762E-06	0.136905E-07	0.799353E-06	0.279046E-07	
NW	0.111403E-05	0.406171E-07	0.161165E-05	0.584382E-07	0.116212E-05	0.395352E-07	
NNW	0.130529E-05	0.457797E-07	0.986823E-06	0.332035E-07	0.108317E-05	0.390780E-07	

AVERAGE X/Q HOUR OF THE DAY

RECT 0	0		16		17		18
DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED	
N	0.283763E-05	0.104385E-06	0.235689E-05	0.796365E-07	0.380474E-05	0.141120E-06	
NNE	0.261310E-05	0.942682E-07	0.294365E-05	0.100988E-06	0.497706E-05	0.194782E-06	
NE	0.218932E-05	0.726452E-07	0.378395E-05	0.145766E-06	0.442344E-05	0.181626E-06	
ENE	0.334166E-05	0.125930E-06	0.232436E-05	0.882022E-07	0.227648E-05	0.903461E-07	
E	0.170328E-05	0.633974E-07	0.135297E-05	0.546723E-07	0.180883E-05	0.765751E-07	
ESE	0.173716E-05	0.593258E-07	0.183318E-05	0.731564E-07	0.204743E-05	0.791859E-07	
SE	0.239633E-05	0.882321E-07	0.277361E-05	0.106710E-06	0.375001E-05	0.150877E-06	
SSE	0.350693E-05	0.128960E-06	0.202102E-05	0.723677E-07	0.687135E-05	0.272188E-06	
S	0.279801E-05	0.913387E-07	0.319961E-05	0.109449E-06	0.670566E-05	0.265860E-06	
SSW	0.494930E-05	0.177497E-06	0.564869E-05	0.225585E-06	0.462762E-05	0.181500E-06	
SW	0.470987E-05	0.160395E-06	0.704434E-05	0.239882E-06	0.726151E-05	0.276609E-06	
WSW	0.266916E-05	0.814677E-07	0.295781E-05	0.990935E-07	0.252982E-05	0.826891E-07	
W	0.159528E-05	0.517463E-07	0.163155E-05	0.549001E-07	0.176844E-05	0.564756E-07	
WNW	0.449129E-06	0.161017E-07	0.124405E-05	0.452774E-07	0.958434E-06	0.331464E-07	
NW	0.113918E-05	0.371931E-07	0.109490E-05	0.387797E-07	0.129350E-05	0.458972E-07	
NNW	0.126393E-05	0.429629E-07	0.222743E-05	0.778289E-07	0.148314E-05	0.544721E-07	

L YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04... PAGE 41

AVERAGE X/Q HOUR OF THE DAY

RECT 0	0		19		20		21
DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED	

EC-ENVR-1057
Page 275

	N	0.516460E-05	0.201567E-06	0.483449E-05	0.193370E-06	0.381167E-05	0.154529E-06
N	NNE	0.357633E-05	0.146414E-06	0.457181E-05	0.187224E-06	0.884372E-05	0.375355E-06
N	NE	0.715942E-05	0.295938E-06	0.900526E-05	0.372185E-06	0.194883E-04	0.807849E-06
E	ENE	0.590081E-05	0.244335E-06	0.168888E-04	0.723076E-06	0.412891E-04	0.169110E-05
	E	0.372247E-05	0.159064E-06	0.672808E-05	0.295057E-06	0.132199E-04	0.568199E-06
E	ESE	0.291283E-05	0.121915E-06	0.525293E-05	0.224490E-06	0.556008E-05	0.242840E-06
S	SE	0.283859E-05	0.120063E-06	0.597540E-05	0.263366E-06	0.433402E-05	0.189584E-06
S	SSE	0.372920E-05	0.154071E-06	0.692094E-05	0.295245E-06	0.273477E-05	0.120028E-06
	S	0.121362E-04	0.520168E-06	0.123111E-04	0.538867E-06	0.130749E-04	0.562061E-06
S	SSW	0.941912E-05	0.401791E-06	0.693951E-05	0.295523E-06	0.858353E-05	0.372008E-06
S	SW	0.766018E-05	0.312935E-06	0.876399E-05	0.375055E-06	0.678343E-05	0.295608E-06
W	WSW	0.340545E-05	0.125764E-06	0.371367E-05	0.153196E-06	0.270966E-05	0.113967E-06
	W	0.249081E-05	0.941555E-07	0.196657E-05	0.767846E-07	0.770401E-06	0.302669E-07
W	WNW	0.733476E-06	0.260088E-07	0.129522E-05	0.496804E-07	0.112712E-05	0.483604E-07
N	NW	0.166766E-05	0.663966E-07	0.220236E-05	0.894397E-07	0.139729E-05	0.570660E-07
N	NNW	0.207401E-05	0.802231E-07	0.263360E-05	0.101010E-06	0.282464E-05	0.117377E-06

0 AVERAGE X/Q HOUR OF THE DAY 22 23 24

ECTI	ODIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
	N	0.459292E-05	0.187890E-06	0.744029E-05	0.289336E-06	0.666806E-05	0.284423E-06
N	NNE	0.875476E-05	0.359573E-06	0.901892E-05	0.361039E-06	0.871246E-05	0.353681E-06
N	NE	0.239299E-04	0.995705E-06	0.230058E-04	0.937434E-06	0.237268E-04	0.932781E-06
E	ENE	0.593804E-04	0.234503E-05	0.706944E-04	0.278104E-05	0.828077E-04	0.325364E-05
	E	0.191052E-04	0.754751E-06	0.220793E-04	0.868501E-06	0.151883E-04	0.641610E-06
E	ESE	0.730465E-05	0.311763E-06	0.147970E-04	0.588463E-06	0.126470E-04	0.501624E-06
S	SE	0.724014E-05	0.305880E-06	0.364842E-05	0.159382E-06	0.756290E-05	0.311065E-06
S	SSE	0.675295E-05	0.296098E-06	0.454325E-05	0.189599E-06	0.368274E-05	0.150324E-06
	S	0.736371E-05	0.323946E-06	0.664419E-05	0.292113E-06	0.697046E-05	0.290358E-06
S	SSW	0.608998E-05	0.259610E-06	0.436344E-05	0.185550E-06	0.587138E-05	0.256643E-06
S	SW	0.640200E-05	0.280581E-06	0.698283E-05	0.305620E-06	0.547791E-05	0.227420E-06
W	WSW	0.195211E-05	0.807608E-07	0.125124E-05	0.542098E-07	0.324249E-05	0.139979E-06
	W	0.105672E-05	0.431032E-07	0.764339E-06	0.309726E-07	0.189922E-05	0.817466E-07
W	WNW	0.683175E-06	0.285055E-07	0.135257E-05	0.553976E-07	0.132255E-05	0.560483E-07
N	NW	0.124536E-05	0.504827E-07	0.250253E-05	0.103269E-06	0.125707E-05	0.503902E-07
N	NNW	0.181396E-05	0.752217E-07	0.165154E-05	0.672233E-07	0.725105E-06	0.280642E-07

YEA 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 42

AL F 0TOTAL PERIOD OF RECORD 8760
AL G 0TOTAL GOOD HOURS 8720
RS C 0HOURS OF RANGE EXCLUSION HORIZONTAL 0 VERTICAL 0
RS C 0HOURS OF BAD DATA 40
RS C 0HOURS OF SPEED EXCLUSION HORIZONTAL 0 VERTICAL 0
RS C 0HOURS OF CALM 0
CENT 0PERCENT CALM 0.00
RAGE 0AVERAGE WIND SPEED (MPH) 4.91
RAGE 0AVERAGE RANGE (DEG) 359
RAGE 0AVERAGE TEMPERATURE X10 2
NCH 0BRANCH TECH USAGE 1,2,3 2677 1 6042
UP,M ISTUP,MODE,IWOD 1 1 1
YEA 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 43
NDOW 0 WINDOW LENGTH (HOURS) = 1
UND 0GROUND RELEASE

ECTI	ODIRECTION	SUM(X/Q)/N	MAX1 DATE	CT	SUM(X/Q)/N	MAX2 DATE	CT	SUM(X/Q)/N	MAX3 DATE	CT	SUM(X/Q)/N	MAX4 DATE	CT	SUM(X/Q)/N	MAX5 DATE	CT
N	N	0.1286E-02	9911 123 1	1	0.7861E-03	99 91723	1	0.7517E-03	99123024	1	0.6443E-03	99 929 4	1	0.6052E-03	99 4 2 1	1
NNE	NNE	0.1011E-02	99 6 1 1	2	0.8843E-03	99 117 4	2	0.7861E-03	99 2 212	2	0.7517E-03	99 7 5 4	1	0.7447E-03	99112123	1

EC-ENVR-1057
Page 276

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NE        NE     0.1769E-02 991016 1  1  0.1179E-02 99101523  2  0.1128E-02 99101221  1  0.1088E-02 9911 122  1  0.1011E-02 99 426 6  3
ENI       ENE    0.1769E-02 99101224 1  0.1415E-02 99102521  2  0.1179E-02 99 32624  4  0.1088E-02 99101522  5  0.1011E-02 99 426 7  8
E         E      0.1769E-02 99101222 1  0.1415E-02 99101223  2  0.1179E-02 99 4 8 8  6  0.1088E-02 99111823  3  0.1011E-02 99 415 8 10
ES:       ESE    0.1286E-02 991031 4  1  0.1179E-02 99 6 9 5  2  0.1128E-02 99102822  1  0.1088E-02 991031 6  1  0.1011E-02 99 117 6  6
SE        SE     0.1179E-02 99 6 9 2  3  0.1088E-02 99111410  2  0.1002E-02 99101220  1  0.9021E-03 991017 5  2  0.8843E-03 99 113 3  3
SSI       SSE    0.1179E-02 99 327 1  1  0.8843E-03 99 2 214  4  0.7861E-03 99 415 4  1  0.6738E-03 99 91323  1  0.6443E-03 99 923 1  1
S         S      0.1179E-02 99 327 2  2  0.8843E-03 99112021  1  0.7517E-03 99 53122  4  0.6152E-03 99 4 7 3  1  0.5638E-03 99 5 9 7  2
SSI       SSW    0.1286E-02 991013 1  1  0.8201E-03 99112019  1  0.5638E-03 99 7 724  1  0.5011E-03 99 331 7  1  0.4539E-03 99 4 2 8  1
SW        SW     0.7517E-03 99 7 223  1  0.6738E-03 99 2 924  1  0.5011E-03 99 330 2  3  0.4952E-03 991212 4  1  0.4510E-03 9910 120  1
WSI       WSW    0.5011E-03 99 7 424  2  0.3922E-03 99 91120  1  0.3608E-03 99 93023  1  0.3007E-03 99 8 724  1  0.2867E-03 991011 2  1
W         W      0.4748E-03 9911 8 5  1  0.3644E-03 99 210 5  1  0.3631E-03 99101719  1  0.3341E-03 9911 8 4  1  0.3026E-03 99 5 5 3  1
WNI       WNW    0.2867E-03 9912 617  1  0.2653E-03 99 93021  1  0.2313E-03 99 41424  1  0.2076E-03 99 7 722  1  0.1816E-03 99 110 5  1
NW        NW     0.3405E-03 99 2 9 3  2  0.2724E-03 991224 9  1  0.2368E-03 991121 4  1  0.2313E-03 99 41423  1  0.2076E-03 99 415 2  1
NNI       NNW    0.8843E-03 99 318 8  1  0.3891E-03 991123 8  1  0.2594E-03 99 412 7  1  0.2313E-03 99 52723  1  0.2179E-03 99 726 8  1
EVAT.     0ELEVATED RELEASE
AECT      0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N         N      0.1506E-03 9911 123  1  0.9201E-04 99 91723  1  0.7657E-04 99123024  1  0.6563E-04 99 929 4  1  0.4871E-04 99 3 3 4  1
NNI       NNE    0.1183E-03 99 6 1 1  2  0.1035E-03 99 117 4  2  0.9201E-04 99 2 212  2  0.8717E-04 99112123  1  0.7887E-04 99 6 824  1
NE        NE     0.2070E-03 991016 1  1  0.1380E-03 99101523  2  0.1274E-03 9911 122  1  0.1183E-03 99 426 6  3  0.1149E-03 99101221  1
ENI       ENE    0.2070E-03 99101224 1  0.1656E-03 99102521  2  0.1380E-03 99 32624  4  0.1274E-03 99101522  5  0.1183E-03 99 426 7  8
E         E      0.2070E-03 99101222 1  0.1656E-03 99101223  2  0.1380E-03 99 4 8 8  6  0.1274E-03 99111823  3  0.1183E-03 99 415 8 10
ES        ESE    0.1506E-03 991031 4  1  0.1380E-03 99 6 9 5  2  0.1274E-03 991031 6  1  0.1183E-03 99 117 6  6  0.1149E-03 99102822  1
SE        SE     0.1380E-03 99 6 9 2  3  0.1274E-03 99111410  2  0.1035E-03 99 113 3  3  0.1021E-03 99101220  1  0.9201E-04 99 4 7 2  3
SS:       SSE    0.1380E-03 99 327 1  1  0.1035E-03 99 2 214  4  0.9201E-04 99 415 4  1  0.7887E-04 99 91323  1  0.6563E-04 99 923 1  1
S         S      0.1380E-03 99 327 2  2  0.1035E-03 99112021  1  0.7657E-04 99 53122  4  0.7201E-04 99 4 7 3  1  0.6370E-04 99112011  1
SSI       SSW    0.1506E-03 991013 1  1  0.8353E-04 99112019  1  0.5743E-04 99 7 724  1  0.5105E-04 99 331 7  1  0.4375E-04 99 227 3  3
SW        SW     0.7887E-04 99 2 924  1  0.7657E-04 99 7 223  1  0.5105E-04 99 330 2  3  0.4594E-04 9910 120  1  0.4375E-04 99 12621  1
WSI       WSW    0.5105E-04 99 7 424  2  0.3995E-04 99 91120  1  0.3675E-04 99 93023  1  0.3063E-04 99 8 724  1  0.2871E-04 99 7 6 1  1
W         W      0.4836E-04 9911 8 5  1  0.3648E-04 99 210 5  1  0.3403E-04 9911 8 4  1  0.2871E-04 99 91024  1  0.2608E-04 99101719  1
WNI       WNW    0.2702E-04 99 93021  1  0.2356E-04 99 41424  1  0.2059E-04 9912 617  1  0.1967E-04 99 7 722  1  0.1304E-04 99 110 5  1
NW        NW     0.2445E-04 99 2 9 3  2  0.2356E-04 99 41423  1  0.1967E-04 99 415 2  1  0.1956E-04 991224 9  1  0.1701E-04 991121 4  1
NNI       NNW    0.1035E-03 99 318 8  1  0.2794E-04 991123 8  1  0.2356E-04 99 52723  1  0.1863E-04 99 412 7  1  0.1565E-04 99 726 8  1
. YE      1PPL YEAR 1999 DT 60-10A          8-NOV-04***                                                                    PAGE      44
INDO      0 WINDOW LENGTH (HOURS) =     1
: VA      THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
XUND      0GROUND RELEASE
ANTS      0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
ANTS       COUNTS        8720        8720        8720        8720        8720        8720        8720        8720        8720        8720
OB.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
ANTS      0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
ANTS       COUNTS        8720        8720        8720        8720        8717        8678        8587        8392        8318        8261
OB.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9997E+00  0.9952E+00  0.9847E+00  0.9624E+00  0.9539E+00  0.9474E+00
ANTS      0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
ANTS       COUNTS        8161        8057        7966        7861        7798        7672        7318        6857        6444        5636
OB.        PROB.   0.9359E+00  0.9240E+00  0.9135E+00  0.9015E+00  0.8943E+00  0.8798E+00  0.8392E+00  0.7864E+00  0.7390E+00  0.6463E+00
ANTS      0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
ANTS       COUNTS        5021        3986        3470        3115        2579        2219        1735        1400        1008         577
OB.        PROB.   0.5758E+00  0.4571E+00  0.3979E+00  0.3572E+00  0.2958E+00  0.2545E+00  0.1990E+00  0.1606E+00  0.1156E+00  0.6617E-01
ANTS      0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
ANTS       COUNTS         310         142          77           7           0           0           0
OB.        PROB.   0.3555E-01  0.1628E-01  0.8830E-02  0.8028E-03  0.0000E+00  0.0000E+00  0.0000E+00
EVAT      0ELEVATED RELEASE
ANTS      0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
ANTS       COUNTS        8720        8720        8720        8720        8712        8582        8286        8056        7961        7906
OB.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9991E+00  0.9842E+00  0.9502E+00  0.9239E+00  0.9130E+00  0.9067E+00
ANTS      0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
ANTS       COUNTS        7834        7737        7639        7395        6340        5530        5054        4419        3948        3589
OB.        PROB.   0.8984E+00  0.8873E+00  0.8760E+00  0.8481E+00  0.7271E+00  0.6342E+00  0.5796E+00  0.5068E+00  0.4528E+00  0.4116E+00
ANTS      0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
ANTS       COUNTS        2910        2401        2034        1785        1574        1353        1093         703         475         251
OB.        PROB.   0.3337E+00  0.2753E+00  0.2333E+00  0.2047E+00  0.1805E+00  0.1552E+00  0.1253E+00  0.8062E-01  0.5447E-01  0.2878E-01
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ANTS     0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
JNTS      COUNTS        140          30           3           3           0           0           0           0           0           0
DB.       PROB.   0.1606E-01  0.3440E-02  0.3440E-03  0.3440E-03  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS     0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
JNTS      COUNTS          0           0           0           0           0           0           0
DB.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
, YE     1PPL YEAR 1999 DT 60-10A          8-NOV-04***                                                                    PAGE      45
INDO     0 WINDOW LENGTH (HOURS) =      2
OUND     0GROUND RELEASE
RECT     0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
  N          N     0.6431E-03 9911 122  2 0.3930E-03 99 91722  2 0.3759E-03 99123023  2 0.3222E-03 99 929 3  2 0.3026E-03 99 4 124  2
 NN         NNE    0.8984E-03 99 53124  1 0.8352E-03 99 53123  1 0.6443E-03 99121311  1 0.5906E-03 99 212 4  1 0.5053E-03 99 6 1 1  3
 NE         NE     0.1356E-02 99101524  1 0.1061E-02 99101523  1 0.8843E-03 991016 1  1 0.8481E-03 99111821  1 0.8440E-03 991122 1  1
 EN         ENE    0.1252E-02 99102521  1 0.1150E-02 9911 6 5  1 0.1124E-02 9911 6 4  1 0.1032E-02 991029 1  1 0.1006E-02 99102824  1
  E          E     0.1592E-02 99101222  1 0.1179E-02 9911 6 2  1 0.1095E-02 99 7 6 2  2 0.9475E-03 99 6 7 4  1 0.8843E-03 99 6 7 3  2
 ES         ESE    0.1002E-02 99 6 8 2  1 0.6980E-03 99 1 1 4  2 0.6939E-03 991114 7  1 0.6443E-03 9910 7 6  1 0.6431E-03 991031 3  2
 SE         SE     0.7948E-03 99111410  1 0.7915E-03 991029 8  1 0.5895E-03 99 6 9 1  6 0.5515E-03 99121012  1 0.5442E-03 991114 9  3
 SS         SSE    0.5895E-03 99 32624  2 0.4422E-03 99 2 213  8 0.4176E-03 99 12822  1 0.3995E-03 99 310 3  2 0.3930E-03 99 415 3  2
  S          S     0.5906E-03 99 53121  1 0.5895E-03 99 327 1  4 0.4489E-03 99 72824  1 0.4422E-03 99112020  2 0.3952E-03 99 7 5 6  1
 SS         SSW    0.6431E-03 99101224  2 0.4100E-03 99112018  2 0.3215E-03 99 722 7  1 0.2840E-03 991221 2  1 0.2819E-03 99 7 723  2
 SW         SW     0.3759E-03 99 7 222  2 0.3369E-03 99 2 923  2 0.3042E-03 99122221  1 0.2756E-03 99 33121  1 0.2522E-03 99 61624  2
 WS         WSW    0.2506E-03 99 7 423  4 0.2499E-03 99 7 524  1 0.2402E-03 99 91119  1 0.2179E-03 99 7 523  1 0.2035E-03 99 7 421  1
  W          W     0.4044E-03 9911 8 4  1 0.2432E-03 991025 5  1 0.2374E-03 9911 8 5  1 0.1822E-03 99 210 4  2 0.1816E-03 99101718  2
 WN         WNW    0.1433E-03 9912 616  2 0.1327E-03 99 93020  2 0.1222E-03 99 7 622  1 0.1218E-03 99 6 324  1 0.1156E-03 99 41423  2
 NW         NW     0.1765E-03 99 41422  1 0.1702E-03 99 2 9 2  4 0.1647E-03 99 415 2  1 0.1541E-03 99 226 2  1 0.1460E-03 99 2 623  1
 NN         NNW    0.4422E-03 99 318 7  2 0.1945E-03 991123 7  2 0.1712E-03 99 412 7  1 0.1365E-03 99 91721  1 0.1297E-03 99 412 6  1
EVAT     0ELEVATED RELEASE
RECT     0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
  N          N     0.7528E-04 9911 122  2 0.4601E-04 99 91722  2 0.3828E-04 99123023  2 0.3282E-04 99 929 3  2 0.2731E-04 99 71023  1
 NN         NNE    0.1052E-03 99 53124  1 0.9776E-04 99 53123  1 0.6913E-04 99 212 4  1 0.6563E-04 99121311  1 0.5915E-04 99 6 1 1  3
 NE         NE     0.1587E-03 99101524  1 0.1242E-03 99101523  1 0.1035E-03 991016 1  1 0.9879E-04 991122 1  1 0.9776E-04 99 92322  2
 EN         ENE    0.1465E-03 99102521  1 0.1346E-03 9911 6 5  1 0.1315E-03 9911 6 4  1 0.1208E-03 991029 1  1 0.1177E-03 99102824  1
  E          E     0.1863E-03 99101222  1 0.1380E-03 9911 6 2  1 0.1282E-03 99 7 6 2  2 0.1109E-03 99 6 7 4  1 0.1035E-03 99 6 7 3  2
 ES         ESE    0.1021E-03 99 6 8 2  1 0.8123E-04 991114 7  1 0.7528E-04 991031 3  2 0.7110E-04 99 1 1 4  2 0.6901E-04 99 6 9 4  4
 SE         SE     0.8922E-04 99111410  1 0.7039E-04 991029 8  1 0.6901E-04 99 6 9 1  6 0.6456E-04 99121012  1 0.6370E-04 991114 9  3
 SS         SSE    0.6901E-04 99 32624  2 0.5176E-04 99 2 213  8 0.4601E-04 99 415 3  2 0.4254E-04 99 12822  1 0.3943E-04 99 91322  2
  S          S     0.6901E-04 99 327 1  4 0.6016E-04 99 53121  1 0.5176E-04 99112020  2 0.4573E-04 99 72824  1 0.4025E-04 99 7 5 6  1
 SS         SSW    0.7528E-04 99101224  2 0.4177E-04 99112018  2 0.2871E-04 99 7 723  2 0.2787E-04 99 82821  1 0.2552E-04 99 331 6  2
 SW         SW     0.3943E-04 99 2 923  2 0.3828E-04 99 7 222  2 0.2808E-04 99 33121  1 0.2727E-04 99122221  1 0.2552E-04 99 330 1  6
 WS         WSW    0.2552E-04 99 7 423  4 0.2218E-04 99 7 524  1 0.2210E-04 99 91119  1 0.1997E-04 99 91120  1 0.1838E-04 99 93022  2
  W          W     0.4120E-04 9911 8 4  1 0.2418E-04 9911 8 5  1 0.1824E-04 99 210 4  2 0.1746E-04 991025 5  1 0.1702E-04 9911 8 3  1
 WN         WNW    0.1351E-04 99 93020  2 0.1178E-04 99 41423  2 0.1029E-04 9912 616  2 0.9837E-05 99 7 721  2 0.8451E-05 99 6 324  1
 NW         NW     0.1614E-04 99 41422  1 0.1384E-04 99 415 2  1 0.1222E-04 99 2 9 2  4 0.1178E-04 99 41423  1 0.1107E-04 99 226 2  1
 NN         NNW    0.5176E-04 99 318 7  2 0.1397E-04 991123 7  2 0.1178E-04 99 52722  2 0.1117E-04 99 412 7  1 0.9313E-05 99 412 6  1
L YE     1PPL YEAR 1999 DT 60-10A          8-NOV-04***                                                                    PAGE      46
INDO     0 WINDOW LENGTH (HOURS) =      2
E VA      THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
OUND     0GROUND RELEASE
ANTS     0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
JNTS      COUNTS       8720        8720        8720        8720        8720        8720        8720        8720        8720        8720
DB.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
ANTS     0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
JNTS      COUNTS       8720        8720        8720        8711        8654        8579        8507        8404        8352        8307
DB.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.9990E+00  0.9924E+00  0.9838E+00  0.9756E+00  0.9638E+00  0.9578E+00  0.9526E+00
ANTS     0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
JNTS      COUNTS       8181        8069        7928        7713        7525        7281        6547        6093        5350        4743
DB.       PROB.   0.9382E+00  0.9253E+00  0.9092E+00  0.8845E+00  0.8630E+00  0.8350E+00  0.7508E+00  0.6987E+00  0.6135E+00  0.5439E+00
ANTS     0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
JNTS      COUNTS       4169        3266        2761        2256        1838        1379        1013         774         447         197
DB.       PROB.   0.4781E+00  0.3745E+00  0.3166E+00  0.2587E+00  0.2108E+00  0.1581E+00  0.1162E+00  0.8876E-01  0.5126E-01  0.2259E-01
ANTS     0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
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JNTS     COUNTS          100          33          12           1           0           0           0
DB.      PROB.    0.1147E-01  0.3784E-02  0.1376E-02  0.1147E-03  0.0000E+00  0.0000E+00  0.0000E+00
EVAT     0ELEVATED RELEASE
ANTS     0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
JNTS      COUNTS        8720        8720        8720        8720        8597        8449        8245        8148        8109        8030
DB.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9859E+00  0.9689E+00  0.9455E+00  0.9344E+00  0.9299E+00  0.9209E+00
ANTS     0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
JNTS      COUNTS        7956        7857        7413        6871        5853        5136        4536        3832        3488        3137
DB.       PROB.   0.9124E+00  0.9010E+00  0.8501E+00  0.7880E+00  0.6712E+00  0.5890E+00  0.5202E+00  0.4394E+00  0.4000E+00  0.3597E+00
ANTS     0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
JNTS      COUNTS        2422        1981        1722        1362        1109         875         607         321         181          87
DB.       PROB.   0.2778E+00  0.2272E+00  0.1975E+00  0.1562E+00  0.1272E+00  0.1003E+00  0.6961E-01  0.3681E-01  0.2076E-01  0.9977E-02
ANTS     0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
JNTS      COUNTS          32           6           1           0           0           0           0           0           0           0
DB.       PROB.   0.3670E-02  0.6881E-03  0.1147E-03  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS     0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
JNTS      COUNTS           0           0           0           0           0           0           0
DB.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
L YE     1PPL YEAR 1999 DT 60-10A          8-NOV-04***                                                                    PAGE      47
INDO     0 WINDOW LENGTH (HOURS) =      8
OUND     0GROUND RELEASE
RECT     0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
   N          N     0.1608E-03 9911 116  8  0.1193E-03 99 71017  2  0.1132E-03 99 32818  3  0.1126E-03 99 91716  1  0.1084E-03 99 91716  4
  NN         NNE    0.3351E-03 99 53118  6  0.2246E-03 99 53124  1  0.2113E-03 991213 9  3  0.2088E-03 99 53117  1  0.1907E-03 991213 8  1
  NE         NE     0.4864E-03 99101518  6  0.3991E-03 991010 4  1  0.3650E-03 99 4 724  4  0.3537E-03 991010 3  1  0.3516E-03 99112119  2
  EN         ENE    0.8634E-03 99102520  2  0.7906E-03 99102522  1  0.7593E-03 99102519  1  0.7299E-03 9912 5 1  1  0.7101E-03 9912 5 2  1
   E          E     0.5808E-03 99 7 723  3  0.4825E-03 99 7 8 2  1  0.4794E-03 99 72622  1  0.4511E-03 99 72623  1  0.4488E-03 9910 3 2  1
  ES         ESE    0.3445E-03 99 6 8 1  2  0.3418E-03 99 6 720  3  0.3202E-03 991031 4  1  0.3120E-03 99 120 4  1  0.3037E-03 99 120 5  1
  SE         SE     0.2872E-03 99 923 2  1  0.2548E-03 99 92223  3  0.2286E-03 9910 522  5  0.2144E-03 991029 5  4  0.2122E-03 99 92222  1
  SS         SSE    0.1810E-03 99 7 724  5  0.1642E-03 99 31621  6  0.1569E-03 99 3 922  6  0.1543E-03 99 4 222  1  0.1533E-03 99 317 4  1
   S          S     0.2719E-03 99103017  2  0.2567E-03 99103019  1  0.2295E-03 99103020  1  0.2011E-03 99103021  2  0.1786E-03 99112017  5
  SS         SSW    0.2493E-03 99101222  4  0.2059E-03 99101220  2  0.1984E-03 99101218  2  0.1956E-03 99112012  1  0.1852E-03 99112013  2
  SW         SW     0.1596E-03 99122218  2  0.1444E-03 99122220  1  0.1412E-03 99122217  1  0.1382E-03 99 7 216  1  0.1361E-03 99 7 217  1
  WS         WSW    0.1135E-03 99 7 417  5  0.1009E-03 99 41221  4  0.9533E-04 99 7 518  1  0.9366E-04 99 7 519  1  0.9338E-04 99 8 814  1
   W          W     0.1207E-03 99102423  2  0.1102E-03 99102422  1  0.1011E-03 9911 722  7  0.9871E-04 991025 1  1  0.9309E-04 991222 5  1
  WN         WNW    0.5417E-04 99 41324  1  0.5335E-04 99 41322  2  0.4970E-04 99 52615  1  0.4925E-04 99 93014  1  0.4762E-04 99 917 4  3
  NW         NW     0.8530E-04 99 41420  3  0.8015E-04 99121119  1  0.7225E-04 99121118  1  0.7215E-04 99121120  1  0.7120E-04 991224 2  2
  NN         NNW    0.1105E-03 99 318 1  8  0.7065E-04 99 91715  2  0.6915E-04 9912 7 5  1  0.6843E-04 9912 7 6  1  0.6569E-04 9912 7 7  1
EVAT     0ELEVATED RELEASE
RECT     0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
   N          N     0.1882E-04 9911 116  8  0.1194E-04 99 91716  4  0.1150E-04 99 91720  4  0.9571E-05 99123017  8  0.9141E-05 99 71017  2
  NN         NNE    0.3923E-04 99 53118  6  0.2629E-04 99 53124  1  0.2444E-04 99 53117  1  0.2002E-04 991213 9  3  0.1853E-04 991213 8  1
  NE         NE     0.5693E-04 99101518  6  0.4272E-04 99 4 724  4  0.4030E-04 99112119  2  0.3968E-04 99101524  1  0.3821E-04 991010 4  1
  EN         ENE    0.1011E-03 99102520  2  0.9254E-04 99102522  1  0.8888E-04 99102519  1  0.8544E-04 9912 5 1  1  0.8312E-04 9912 5 2  1
   E          E     0.6798E-04 99 7 723  3  0.5648E-04 99 7 8 2  1  0.5168E-04 99 72622  1  0.5073E-04 99 7 722  1  0.5004E-04 9910 3 2  1
  ES         ESE    0.3593E-04 991031 4  1  0.3509E-04 99 6 8 1  2  0.3475E-04 99103023  5  0.3207E-04 99 6 720  3  0.2858E-04 99 6 723  1
  SE         SE     0.2729E-04 99 923 2  1  0.2496E-04 99 92223  3  0.2332E-04 991114 3  1  0.2231E-04 991114 4  7  0.2191E-04 99 92222  1
  SS         SSE    0.2012E-04 99 7 724  5  0.1841E-04 99 31621  6  0.1725E-04 99 32618  8  0.1573E-04 99 317 4  1  0.1506E-04 99 317 3  1
   S          S     0.2774E-04 99103017  2  0.2671E-04 99103019  1  0.2476E-04 99103020  1  0.2272E-04 99103021  2  0.1783E-04 99112017  5
  SS         SSW    0.2783E-04 99101222  4  0.2341E-04 99101220  2  0.2265E-04 99101218  2  0.1818E-04 99112012  1  0.1771E-04 99112013  2
  SW         SW     0.1265E-04 99122218  2  0.1157E-04 99122220  1  0.1152E-04 99 7 216  1  0.1150E-04 99 7 217  1  0.1133E-04 99122217  1
  WS         WSW    0.1003E-04 99 7 417  5  0.8507E-05 99 7 422  1  0.7689E-05 99 8 814  1  0.7611E-05 99 7 518  1  0.7596E-05 99 7 519  1
   W          W     0.1030E-04 9911 722  7  0.7833E-05 99102423  2  0.7082E-05 99102422  1  0.6256E-05 991025 1  1  0.6196E-05 99 210 3  3
  WN         WNW    0.4020E-05 99 93014  1  0.3945E-05 99 93015  1  0.3662E-05 99 93016  2  0.3378E-05 99 93018  4  0.2945E-05 99 41417  8
  NW         NW     0.7493E-05 99 41420  3  0.6493E-05 99 41419  1  0.6404E-05 99 41423  1  0.4739E-05 99121119  1  0.4400E-05 99121120  1
  NN         NNW    0.1294E-04 99 318 1  8  0.4186E-05 99 91715  2  0.3890E-05 99 91717  1  0.3607E-05 99 91718  1  0.3492E-05 991123 1  8
. YE.    1PPL YEAR 1999 DT 60-10A          8-NOV-04***                                                                    PAGE      48
INDO     0 WINDOW LENGTH (HOURS) =      8
S VA      THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
OUND     0GROUND RELEASE
ANTS     0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
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NTS     COUNTS        8720        8720        8720        8720        8720        8720        8720        8720        8720        8720
B.      PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
NTS     0QUANTS 0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS     COUNTS        8720        8720        8720        8719        8717        8710        8697        8672        8656        8636
B.      PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.9999E+00  0.9997E+00  0.9989E+00  0.9974E+00  0.9945E+00  0.9927E+00  0.9904E+00
NTS     0QUANTS 0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS     COUNTS        8531        8367        8070        7689        7166        6707        5809        5082        4419        3624
B.      PROB.   0.9783E+00  0.9595E+00  0.9255E+00  0.8818E+00  0.8218E+00  0.7692E+00  0.6662E+00  0.5828E+00  0.5068E+00  0.4156E+00
NTS     0QUANTS 0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS     COUNTS        3063        2335        1671        1359         914         611         368         224          83          23
B.      PROB.   0.3513E+00  0.2678E+00  0.1916E+00  0.1558E+00  0.1048E+00  0.7007E-01  0.4220E-01  0.2569E-01  0.9518E-02  0.2638E-02
NTS     0QUANTS 0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS     COUNTS           7           2           0           0           0           0           0
B.      PROB.   0.8028E-03  0.2294E-03  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
VATI    0ELEVATED RELEASE
NTS     0QUANTS 0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS     COUNTS        8720        8720        8720        8720        8699        8687        8668        8643        8617        8580
B.      PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9976E+00  0.9962E+00  0.9940E+00  0.9912E+00  0.9882E+00  0.9839E+00
NTS     0QUANTS 0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS     COUNTS        8486        8256        7558        6814        5706        4903        4341        3477        3033        2679
R.      PROB.   0.9732E+00  0.9468E+00  0.8667E+00  0.7814E+00  0.6544E+00  0.5623E+00  0.4978E+00  0.3987E+00  0.3478E+00  0.3072E+00
NTS     0QUANTS 0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS     COUNTS        1951        1389        1015         743         524         349         160          69          22           5
B.      PROB.   0.2237E+00  0.1593E+00  0.1164E+00  0.8521E-01  0.6009E-01  0.4002E-01  0.1835E-01  0.7913E-02  0.2523E-02  0.5734E-03
NTS     0QUANTS 0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS     COUNTS           2           0           0           0           0           0           0           0           0           0
B.      PROB.   0.2294E-03  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS     0QUANTS 0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS     COUNTS           0           0           0           0           0           0           0
B.      PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
, YE/   1PPL YEAR 1999 DT 60-10A          8-NOV-04***                                                                  PAGE     49
NDO     0 WINDOW LENGTH (HOURS) =     16
UND     0GROUND RELEASE
ECT     0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N          N     0.4685E-04 9911 1 8 16  0.3683E-04 99 61714  3  0.3604E-04 99112218  6  0.3528E-04 99 4 110  4  0.3507E-04 99 32810 11
NNE        NNE   0.9764E-04 99 53110 14  0.8383E-04 991213 6  6  0.7699E-04 991213 5  1  0.7016E-04 991213 4  1  0.6544E-04 99 53124  1
NE         NE    0.1417E-03 99101510 14  0.1262E-03 99112111  1  0.1189E-03 9910 920  9  0.1179E-03 991231 9  1  0.1177E-03 99112112  5
ENE        ENE   0.3420E-03 99102518  4  0.3162E-03 99102516  2  0.3026E-03 9912 418  4  0.2905E-03 99102522  1  0.2819E-03 99102514  2
E          E     0.1692E-03 99 7 715 11  0.1558E-03 99 72615  8  0.1446E-03 99 13117  7  0.1437E-03 9911 518  6  0.1430E-03 9910 3 1  2
ESE        ESE   0.1299E-03 99 6 717  6  0.1147E-03 99 6 723  1  0.1138E-03 99 11921  5  0.1046E-03 99 11920  1  0.1037E-03 99 120 2  3
SE         SE    0.8648E-04 99 92218  9  0.7650E-04 99111320  8  0.7638E-04 99 92215  3  0.7130E-04 99 92713  1  0.7116E-04 9910 514 13
SSE        SSE   0.6658E-04 99 4 219  4  0.6145E-04 99 31620  7  0.6111E-04 99 4 216  3  0.5724E-04 99 31619  1  0.5723E-04 99 2 214  1
S          S     0.8330E-04 991030 9  8  0.8031E-04 99103017  2  0.7607E-04 99103019  1  0.7568E-04 991120 9  3  0.6759E-04 99103020  1
SSW        SSW   0.9403E-04 99101219  1  0.9105E-04 99101218  1  0.8939E-04 99101222  4  0.8815E-04 99101221  1  0.8537E-04 99101220  1
SW         SW    0.5427E-04 99 7 2 8  1  0.4976E-04 99 7 2 9  3  0.4789E-04 99 7 212  1  0.4775E-04 99122210 10  0.4718E-04 99 331 7  2
WSW        WSW   0.3860E-04 99 7 4 9  1  0.3740E-04 991221 7  1  0.3678E-04 99 7 410  1  0.3544E-04 99 7 419  3  0.3464E-04 99 7 411  3
W          W     0.4448E-04 99102415  8  0.3765E-04 99102423  2  0.3439E-04 99102414  1  0.3294E-04 9911 8 1  4  0.3081E-04 991025 1  1
WNW        WNW   0.1836E-04 99 52616  2  0.1773E-04 99 41320  4  0.1629E-04 99 52618  1  0.1620E-04 991128 1  1  0.1618E-04 99 52610  6
NW         NW    0.2965E-04 991224 1  1  0.2839E-04 99121111  1  0.2760E-04 99122324  1  0.2727E-04 99 41412  2  0.2697E-04 99121112  1
NNW        NNW   0.3221E-04 99 31717 16  0.2746E-04 99111623  1  0.2722E-04 9912 621  1  0.2695E-04 99111622  1  0.2626E-04 99111621  1
VATI    0ELEVATED RELEASE
ECT     0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N          N     0.1676E-05 9911 1 8 16  0.1613E-05 99 61714  3  0.1520E-05 99112218  6  0.1470E-05 99 4 110  4  0.1439E-05 99 32810 11
NNE        NNE   0.3718E-05 991213 6  6  0.3494E-05 99 53110 14  0.3418E-05 991213 5  1  0.3119E-05 991213 4  1  0.2809E-05 991213 1  3
NE         NE    0.5298E-05 9910 920  9  0.5071E-05 99101510 14  0.4819E-05 99112111  1  0.4679E-05 9910 919  1  0.4448E-05 99112112  5
ENE        ENE   0.1224E-04 99102518  4  0.1131E-04 99102516  2  0.1114E-04 9912 219  2  0.1083E-04 9912 418  4  0.1039E-04 99102522  1
E          E     0.6467E-05 99 72615  8  0.6172E-05 99 13117  7  0.6055E-05 99 7 715 11  0.5863E-05 99 72717  6  0.5804E-05 99 72614  1
ESE        ESE   0.5786E-05 99 6 717  6  0.5123E-05 99 6 723  1  0.5030E-05 99 11921  5  0.4626E-05 99 11920  1  0.4587E-05 99 120 2  3
SE         SE    0.3444E-05 99 92218  9  0.3117E-05 9910 514 13  0.3061E-05 99 92713  1  0.3001E-05 99 92215  3  0.2904E-05 99 92714  1
SSE        SSE   0.2679E-05 99 4 219  4  0.2475E-05 99 4 216  3  0.2422E-05 99 31620  7  0.2264E-05 99 31619  1  0.2262E-05 99 4 210  1
S          S     0.3300E-05 991030 9  8  0.3189E-05 99103017  2  0.3003E-05 99103019  1  0.2882E-05 991120 9  3  0.2720E-05 99 72121  1
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SS        SSW    0.3759E-05 99101219  1  0.3648E-05 99101218  1  0.3468E-05 99101222  4  0.3458E-05 99101221  1  0.3354E-05 99101220  1
SW        SW     0.2203E-05 99 7 2 8  1  0.2105E-05 99122210 10  0.2044E-05 99 331 7  2  0.2005E-05 99 7 2 9  3  0.1935E-05 99 7 212  1
WS        WSW    0.1674E-05 99 7 4 9  1  0.1605E-05 99 7 410  1  0.1529E-05 99 7 419  3  0.1526E-05 99 7 411  3  0.1520E-05 99 7 414  5
W         W      0.1873E-05 99102415  8  0.1573E-05 99102423  2  0.1451E-05 9911 8 1  4  0.1430E-05 99102414  1  0.1333E-05 9911 714 11
WN        WNW    0.6874E-06 99 41320  4  0.6868E-06 99 52616  2  0.6326E-06 991128 1  1  0.6290E-06 99 930 6  8  0.6241E-06 99 41316  4
NW        NW     0.1188E-05 99 41412  2  0.1177E-05 991224 1  1  0.1162E-05 99121111  1  0.1148E-05 99 41414  1  0.1108E-05 99121112  1
NN        NNW    0.1152E-05 99 31717 16  0.1048E-05 9912 621  1  0.1027E-05 99111623  1  0.1008E-05 99111622  1  0.9992E-06 9912 622  1
. YE      1PPL YEAR 1999 DT 60-10A          8-NOV-04***                                                                    PAGE     50
INDO      0 WINDOW LENGTH (HOURS) =    16
E VA       THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
OUND      0GROUND RELEASE
ANTS      0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
JNTS       COUNTS        8720        8720        8720        8720        8720        8720        8720        8720        8720        8720
OB.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
ANTS      0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
JNTS       COUNTS        8720        8720        8720        8720        8720        8719        8719        8714        8686        8643
OB.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9999E+00  0.9999E+00  0.9993E+00  0.9961E+00  0.9912E+00
ANTS      0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
JNTS       COUNTS        8190        7324        6416        5598        4917        4385        3441        2844        2378        1736
OB.        PROB.   0.9392E+00  0.8399E+00  0.7358E+00  0.6420E+00  0.5639E+00  0.5029E+00  0.3946E+00  0.3261E+00  0.2727E+00  0.1991E+00
ANTS      0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
JNTS       COUNTS        1227         621         211         122          42          10           0           0           0           0
OB.        PROB.   0.1407E+00  0.7122E-01  0.2420E-01  0.1399E-01  0.4817E-02  0.1147E-02  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS      0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
JNTS       COUNTS           0           0           0           0           0           0           0
OB.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
EVAT      0ELEVATED RELEASE
ANTS      0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
JNTS       COUNTS        8720        8720        8720        8720        8720        8720        8719        8718        8688        8477
OB.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9999E+00  0.9998E+00  0.9963E+00  0.9721E+00
ANTS      0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
JNTS       COUNTS        7752        6494        4860        3611        2168        1255         687         147          65          21
OB.        PROB.   0.8890E+00  0.7447E+00  0.5573E+00  0.4141E+00  0.2486E+00  0.1439E+00  0.7878E-01  0.1686E-01  0.7454E-02  0.2408E-02
ANTS      0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
JNTS       COUNTS           0           0           0           0           0           0           0           0           0           0
OB.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS      0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
JNTS       COUNTS           0           0           0           0           0           0           0           0           0           0
OB.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS      0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
JNTS       COUNTS           0           0           0           0           0           0           0
OB.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
. YR.     1PPL YEAR 1999 DT 60-10A          8-NOV-04***                                                                    PAGE     51
INDO      0 WINDOW LENGTH (HOURS) =    72
OUND      0GROUND RELEASE
RECT      0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N         N      0.2300E-04 99 220 1  6  0.2259E-04 99 220 7  1  0.2233E-04 99 21924  1  0.2213E-04 99 220 8  1  0.2187E-04 99 21923  1
NN        NNE    0.3128E-04 991212 7  2  0.2985E-04 991212 6  1  0.2982E-04 99121213  6  0.2830E-04 99 921 2  4  0.2817E-04 991212 4  2
NE        NE     0.5583E-04 991014 4 17  0.5214E-04 99101422  9  0.5045E-04 991015 7  1  0.4933E-04 99121714  9  0.4921E-04 991015 8 16
EN        ENE    0.1692E-03 9912 210 11  0.1638E-03 9912 2 9  2  0.1629E-03 9912 2 8  1  0.1592E-03 9912 222  1  0.1566E-03 9912 2 7  1
E         E      0.6842E-04 99 93017 11  0.6741E-04 99 93011  6  0.6713E-04 99 725 9 32  0.6638E-04 99 725 8  1  0.6589E-04 99 93010  1
ES        ESE    0.5035E-04 99 6 721  2  0.4698E-04 99 6 723  1  0.4629E-04 99 6 719  2  0.4608E-04 991030 9  3  0.4544E-04 99 6 610 33
SE        SE     0.3267E-04 99 92624  1  0.3231E-04 99 92623  1  0.3195E-04 99 92622  1  0.3160E-04 99 92621  1  0.3093E-04 99 92618  3
SS        SSE    0.2665E-04 99 33111 14  0.2578E-04 99 4 1 3  7  0.2543E-04 99 331 8  3  0.2431E-04 99 4 110 25  0.2398E-04 99 331 7  1
S         S      0.2472E-04 991028 1 18  0.2404E-04 991030 4 13  0.2399E-04 99102819  1  0.2337E-04 99103017  2  0.2287E-04 99102820 22
SS        SSW    0.3772E-04 99101013  3  0.3692E-04 99101011  2  0.3627E-04 991010 9  2  0.3567E-04 99101016  1  0.3546E-04 991010 4  5
SW        SW     0.2267E-04 99 33022 11  0.2165E-04 99 7 1 9 16  0.2136E-04 99 33021  1  0.2098E-04 99 7 2 1  2  0.2095E-04 99 4 1 7 11
WS        WSW    0.1767E-04 99 7 4 2  8  0.1752E-04 99 7 314  1  0.1744E-04 99 7 313  1  0.1735E-04 99 7 312  1  0.1727E-04 99 7 410  1
W         W      0.1087E-04 991022 7 13  0.1069E-04 9911 517 20  0.1034E-04 9911 613  1  0.1005E-04 9911 614  1  0.9986E-05 9911 5 6 11
WN        WNW    0.7474E-05 99 412 1 30  0.7239E-05 991127 3  7  0.6937E-05 99 413 7  1  0.6818E-05 99 41321  3  0.6641E-05 99112710  1
NW        NW     0.1306E-04 99111418  3  0.1283E-04 99111417  1  0.1270E-04 99111421  1  0.1238E-04 99111422  1  0.1227E-04 99111416  1
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NN        NNW    0.1525E-04 99 31713 20  0.1460E-04 99 31712  1  0.1432E-04 99111415  4  0.1402E-04 99 31710  2  0.1401E-04 99111419  1
EVAT      0ELEVATED RELEASE
RECT      0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N         N      0.8564E-06 99 220 1  6  0.8409E-06 99 220 7  1  0.8311E-06 99 21924  1  0.8236E-06 99 220 8  1  0.8139E-06 99 21923  1
NN        NNE    0.1372E-05 991212 7  2  0.1310E-05 991212 6  1  0.1305E-05 99121213  6  0.1240E-05 99121219 17  0.1236E-05 991212 4  2
NE        NE     0.2074E-05 99121714  9  0.2054E-05 991014 4 17  0.2036E-05 99121712  2  0.1987E-05 99121710  2  0.1953E-05 99121723  1
EN        ENE    0.6583E-05 9912 210 11  0.6399E-05 9912 2 8  1  0.6388E-05 9912 2 9  2  0.6224E-05 9912 222  1  0.6171E-05 9912 2 7  1
E         E      0.2838E-05 99 725 9 32  0.2805E-05 99 725 8  1  0.2804E-05 99 72623  1  0.2740E-05 99 726 4  6  0.2725E-05 99 93017 11
ES        ESE    0.2065E-05 99 6 721  2  0.1918E-05 99 6 723  1  0.1913E-05 99 6 719  2  0.1882E-05 99 6 610 33  0.1822E-05 99 6 6 6  4
SE        SE     0.1339E-05 99 92624  1  0.1326E-05 99 92623  1  0.1312E-05 99 92622  1  0.1299E-05 99 92621  1  0.1270E-05 99 92618  3
SS        SSE    0.1073E-05 99 33111 14  0.1065E-05 99 4 1 3  7  0.1027E-05 99 331 8  3  0.9976E-06 99 4 110 25  0.9728E-06 99 331 7  1
S         S      0.9905E-06 991028 1 18  0.9755E-06 991030 4 13  0.9632E-06 99102819  1  0.9507E-06 99103017  2  0.9141E-06 99102820 22
SS        SSW    0.1550E-05 99101013  3  0.1515E-05 99101011  2  0.1486E-05 991010 9  2  0.1460E-05 99101016  1  0.1456E-05 991010 4  5
SW        SW     0.9589E-06 99 33022 11  0.9016E-06 99 33021  1  0.9013E-06 99 7 1 9 16  0.8766E-06 99 4 1 7 11  0.8719E-06 99 7 2 1  2
WS        WSW    0.7080E-06 99 7 4 2  8  0.7030E-06 99 7 314  1  0.7017E-06 99 7 313  1  0.7002E-06 99 7 312  1  0.6986E-06 99 7 3 2 10
W         W      0.4636E-06 9911 517 20  0.4591E-06 991022 7 13  0.4506E-06 9911 613  1  0.4399E-06 9911 614  1  0.4374E-06 9911 5 6 11
WN        WNW    0.2988E-06 99 412 1 30  0.2846E-06 991127 3  7  0.2788E-06 99 413 7  1  0.2743E-06 99 41321  3  0.2622E-06 99112710  1
NW        NW     0.4884E-06 99111418  3  0.4797E-06 99111417  1  0.4748E-06 99111421  1  0.4630E-06 99111422  1  0.4587E-06 99111416  1
NN        NNW    0.5589E-06 99 31713 20  0.5355E-06 99111415  4  0.5345E-06 99 31712  1  0.5237E-06 99111419  1  0.5193E-06 99111414  1
L YE      1PPL YEAR 1999 DT 60-10A                8-NOV-04***                                                                    PAGE      52
INDO      0 WINDOW LENGTH (HOURS) =    72
E VA       THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
OUND      0GROUND RELEASE
ANTS      0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
UNTS       COUNTS        8720        8720        8720        8720        8720        8720        8720        8720        8720        8720
OB.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
ANTS      0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
UNTS       COUNTS        8720        8720        8720        8720        8720        8720        8720        8702        8668        8576
OB.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9979E+00  0.9940E+00  0.9835E+00
ANTS      0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
UNTS       COUNTS        7843        6988        6164        5485        4889        4136        2896        1845        1025         507
OB.        PROB.   0.8994E+00  0.8014E+00  0.7069E+00  0.6290E+00  0.5607E+00  0.4743E+00  0.3321E+00  0.2116E+00  0.1175E+00  0.5814E-01
ANTS      0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
UNTS       COUNTS         262          47           0           0           0           0           0           0           0           0
OB.        PROB.   0.3005E-01  0.5390E-02  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS      0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
UNTS       COUNTS           0           0           0           0           0           0           0
OB.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
EVAT      0ELEVATED RELEASE
ANTS      0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
UNTS       COUNTS        8720        8720        8720        8720        8720        8720        8720        8710        8699        8330
OB.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9989E+00  0.9976E+00  0.9553E+00
ANTS      0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
UNTS       COUNTS        7529        6252        4571        2957         791         237          48           0           0           0
OB.        PROB.   0.8634E+00  0.7170E+00  0.5242E+00  0.3391E+00  0.9071E-01  0.2718E-01  0.5505E-02  0.0000E+00  0.0000E+00  0.0000E+00
ANTS      0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
UNTS       COUNTS           0           0           0           0           0           0           0           0           0           0
OB.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS      0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
UNTS       COUNTS           0           0           0           0           0           0           0           0           0           0
OB.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS      0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
UNTS       COUNTS           0           0           0           0           0           0           0
OB.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
L YE      1PPL YEAR 1999 DT 60-10A                8-NOV-04***                                                                    PAGE      53
INDO      0 WINDOW LENGTH (HOURS) =   624
OUND      0GROUND RELEASE
RECT      0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N         N      0.9697E-05 99 21715  1  0.9663E-05 99 21714  1  0.9622E-05 99 21615 23  0.9514E-05 99 215 9 30  0.9510E-05 99 21717  9
NN        NNE    0.9858E-05 99 11315  2  0.9816E-05 99 11317  1  0.9780E-05 99 11313  2  0.9776E-05 99 11318  1  0.9761E-05 99 11312  1
NE        NE     0.2206E-04 99 92018 14  0.2195E-04 99 921 8  5  0.2187E-04 99 92113  1  0.2176E-04 99 92114  4  0.2162E-04 99 92118  6
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ENE        ENE    0.6861E-04 991014 7 15  0.6833E-04 99101423  1  0.6825E-04 991014 6  1  0.6793E-04 99101424  1  0.6781E-04 99101511  2
E          E      0.3161E-04 99 7 2 9 21  0.3153E-04 99101023 23  0.3122E-04 99 7 2 8  1  0.3103E-04 99101510 22  0.3100E-04 99 7 3 6  1
ESE        ESE    0.1919E-04 99 1 7 2 30  0.1893E-04 99 1 7 1  1  0.1885E-04 99 1 8 8  5  0.1874E-04 99 1 813  8  0.1854E-04 99 1 618  7
SE         SE     0.1325E-04 99101912 10  0.1305E-04 99101922  3  0.1295E-04 99101911  1  0.1287E-04 991020 1  1  0.1260E-04 991028 4 29
SSE        SSE    0.8360E-05 99 326 6 20  0.8084E-05 99 3 910 18  0.7848E-05 99 3 9 3  7  0.7756E-05 99 324 9 45  0.7703E-05 99 112 9  1
S          S      0.1135E-04 9910 414 41  0.1131E-04 9910 712 25  0.1129E-04 9910 813  1  0.1128E-04 9910 814  2  0.1127E-04 9910 711  1
SSW        SSW    0.1095E-04 99 920 9  4  0.1089E-04 99 92013  2  0.1088E-04 99 91911  2  0.1082E-04 99 92015  1  0.1079E-04 99 920 8  1
SW         SW     0.8938E-05 991216 2  3  0.8910E-05 991216 5  1  0.8893E-05 991216 1  1  0.8833E-05 991216 6  1  0.8831E-05 99121520  5
WSW        WSW    0.4909E-05 99121611  5  0.4893E-05 99121921 34  0.4869E-05 991216 9  2  0.4868E-05 99121616  4  0.4860E-05 99121920  1
W          W      0.3333E-05 99101713  7  0.3201E-05 99101316 92  0.3120E-05 991013 5 11  0.2970E-05 99101720 70  0.2860E-05 99102018 20
WNW        WNW    0.1730E-05 99111824202  0.1667E-05 99 32713 48  0.1661E-05 99112710  1  0.1645E-05 99111524 43  0.1619E-05 99 32913  5
NW         NW     0.4053E-05 9911 4 2 66  0.3966E-05 9911 323  3  0.3924E-05 9911 620  1  0.3903E-05 9911 322  1  0.3842E-05 9911 319  3
NNW        NNW    0.4232E-05 99 22213 92  0.4184E-05 99 226 9  1  0.4157E-05 99 22212  1  0.4122E-05 99 22610  2  0.4090E-05 99 22210  2
VATE    0ELEVATED RELEASE
ECTI    0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N          N      0.3767E-06 99 21715  1  0.3755E-06 99 21714  1  0.3739E-06 99 21615 23  0.3699E-06 99 215 9 30  0.3681E-06 99 21717  9
NNE        NNE    0.4000E-06 99 11315  2  0.3985E-06 99 11317  1  0.3971E-06 99 11313  2  0.3970E-06 99 11318  1  0.3969E-06 99 11312  1
NE         NE     0.8902E-06 99 92018 14  0.8854E-06 99 921 8  5  0.8825E-06 99 92113  1  0.8774E-06 99 92114  4  0.8729E-06 99 92522 14
ENE        ENE    0.2602E-05 991014 7 15  0.2590E-05 99101423  1  0.2588E-05 9910 522  1  0.2586E-05 991014 6  1  0.2572E-05 99101424  1
E          E      0.1309E-05 99 7 2 9 21  0.1303E-05 99 72421  3  0.1294E-05 99 72424  3  0.1292E-05 99 7 2 8  1  0.1290E-05 99 72414  7
ESE        ESE    0.7875E-06 99 1 7 2 30  0.7762E-06 99 1 7 1  1  0.7726E-06 99 1 8 8  5  0.7686E-06 99 1 813  8  0.7592E-06 99 1 618  7
SE         SE     0.5560E-06 99101912 10  0.5475E-06 99101922  3  0.5414E-06 99101911  1  0.5393E-06 991020 1  1  0.5274E-06 991020 2 18
SSE        SSE    0.3373E-06 99 326 6 20  0.3284E-06 99 112 9  1  0.3244E-06 99 123 7 11  0.3228E-06 99 11419 33  0.3205E-06 99 12318  1
S          S      0.4723E-06 9910 414 41  0.4705E-06 9910 712 25  0.4702E-06 9910 813  1  0.4700E-06 9910 814  2  0.4698E-06 9910 816  1
SSW        SSW    0.4574E-06 99 920 9  4  0.4548E-06 99 92013  2  0.4523E-06 99 91911  2  0.4522E-06 99 92015  1  0.4513E-06 99 92016  2
SW         SW     0.3606E-06 99 32716 40  0.3603E-06 99 32715  1  0.3602E-06 99 32714  1  0.3592E-06 99 32710  4  0.3536E-06 99 329 8  2
WSW        WSW    0.1871E-06 99 32118  7  0.1843E-06 99 32020 22  0.1816E-06 99 322 1  1  0.1812E-06 99 32018  2  0.1788E-06 99121921 34
W          W      0.1412E-06 99101713  7  0.1363E-06 99101316 92  0.1332E-06 991013 5 11  0.1253E-06 99101720 70  0.1212E-06 99102018 20
WNW        WNW    0.6900E-07 99111824202  0.6642E-07 99112710  1  0.6636E-07 99 32713 48  0.6582E-07 99111524 43  0.6453E-07 99 32913  5
NW         NW     0.1584E-06 9911 4 2 66  0.1551E-06 9911 323  3  0.1528E-06 9911 322  1  0.1527E-06 9911 620  1  0.1505E-06 9911 319  3
NNW        NNW    0.1586E-06 99 22213 92  0.1568E-06 99 226 9  1  0.1558E-06 99 22212  1  0.1545E-06 99 22610  2  0.1533E-06 99 22210  2
YEA     1PPL YEAR 1999 DT 60-10A          8-NOV-04***                                                                    PAGE      54
NDOW    0 WINDOW LENGTH (HOURS) =    624
VAL      THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
UND     0GROUND RELEASE
NTS     0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS      COUNTS        8720        8720        8720        8720        8720        8720        8720        8720        8720        8720
B.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
NTS     0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS      COUNTS        8720        8720        8720        8720        8720        8720        8720        8720        8720        8695
B.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9971E+00
NTS     0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS      COUNTS        8369        7978        7495        6822        5820        4819         947         480           0           0
B.       PROB.   0.9597E+00  0.9149E+00  0.8595E+00  0.7823E+00  0.6674E+00  0.5526E+00  0.1086E+00  0.5505E-01  0.0000E+00  0.0000E+00
NTS     0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS      COUNTS           0           0           0           0           0           0           0           0           0           0
B.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS     0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS      COUNTS           0           0           0           0           0           0           0
B.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
VATE    0ELEVATED RELEASE
NTS     0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS      COUNTS        8720        8720        8720        8720        8720        8720        8720        8720        8720        8659
B.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9930E+00
NTS     0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS      COUNTS        8109        7537        5431         970           0           0           0           0           0           0
B.       PROB.   0.9299E+00  0.8643E+00  0.6228E+00  0.1112E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS     0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS      COUNTS           0           0           0           0           0           0           0           0           0           0
B.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS     0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
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NTS	COUNTS	0	0	0	0	0	0	0	0	0	0
B.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
NTS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
NTS	COUNTS	0	0	0	0	0	0	0			
B.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

TURI RETURN FROM PASS7

, YRI 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 55

UND 0GROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABII PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL.

1 1

NTI:	QUANTIZED																	
VEL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E-	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
35E-	0.35E-08	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
10E-	0.10E-07	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
25E-	0.25E-07	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
70E-	0.70E-07	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
10E-	0.10E-06	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
15E-	0.15E-06	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
22E-	0.22E-06	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
32E-	0.32E-06	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
48E-	0.48E-06	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
70E-	0.70E-06	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
10E-	0.10E-05	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
15E-	0.15E-05	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
20E-	0.20E-05	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0630	0.0313	0.0177	0.0306	0.0393	1.0000
30E-	0.30E-05	0.0616	0.0757	0.0964	0.1616	0.0759	0.0447	0.0445	0.0366	0.0521	0.0667	0.1023	0.0626	0.0313	0.0177	0.0306	0.0393	0.9997
40E-	0.40E-05	0.0616	0.0747	0.0962	0.1615	0.0758	0.0447	0.0445	0.0366	0.0519	0.0665	0.1017	0.0611	0.0307	0.0177	0.0306	0.0393	0.9952
50E-	0.50E-05	0.0616	0.0739	0.0960	0.1615	0.0758	0.0446	0.0444	0.0366	0.0518	0.0663	0.0997	0.0572	0.0289	0.0169	0.0304	0.0393	0.9847
70E-	0.70E-05	0.0604	0.0725	0.0947	0.1612	0.0758	0.0446	0.0436	0.0360	0.0502	0.0630	0.0920	0.0550	0.0272	0.0166	0.0304	0.0391	0.9624
85E-	0.85E-05	0.0604	0.0719	0.0937	0.1611	0.0757	0.0444	0.0422	0.0358	0.0490	0.0614	0.0905	0.0547	0.0272	0.0166	0.0304	0.0390	0.9539
10E-	0.10E-04	0.0602	0.0717	0.0935	0.1608	0.0755	0.0444	0.0416	0.0349	0.0481	0.0609	0.0889	0.0540	0.0272	0.0166	0.0303	0.0390	0.9474
15E-	0.15E-04	0.0596	0.0708	0.0921	0.1601	0.0751	0.0438	0.0414	0.0347	0.0475	0.0602	0.0861	0.0529	0.0263	0.0164	0.0300	0.0389	0.9359
20E-	0.20E-04	0.0592	0.0695	0.0916	0.1600	0.0743	0.0433	0.0411	0.0347	0.0469	0.0594	0.0836	0.0501	0.0258	0.0159	0.0298	0.0386	0.9240
25E-	0.25E-04	0.0584	0.0688	0.0901	0.1599	0.0741	0.0429	0.0407	0.0344	0.0459	0.0587	0.0820	0.0490	0.0251	0.0157	0.0297	0.0382	0.9135
30E-	0.30E-04	0.0573	0.0673	0.0890	0.1594	0.0740	0.0424	0.0404	0.0337	0.0456	0.0579	0.0807	0.0469	0.0237	0.0157	0.0292	0.0381	0.9015
35E-	0.35E-04	0.0571	0.0662	0.0886	0.1592	0.0739	0.0422	0.0403	0.0337	0.0455	0.0575	0.0795	0.0456	0.0233	0.0155	0.0290	0.0373	0.8943
40E-	0.40E-04	0.0564	0.0655	0.0882	0.1587	0.0737	0.0421	0.0392	0.0336	0.0453	0.0565	0.0780	0.0417	0.0225	0.0150	0.0286	0.0347	0.8798
50E-	0.50E-04	0.0510	0.0633	0.0872	0.1580	0.0728	0.0419	0.0385	0.0326	0.0446	0.0555	0.0739	0.0333	0.0193	0.0136	0.0257	0.0281	0.8392
60E-	0.60E-04	0.0409	0.0603	0.0861	0.1577	0.0725	0.0417	0.0373	0.0325	0.0442	0.0545	0.0653	0.0255	0.0150	0.0112	0.0205	0.0212	0.7864
70E-	0.70E-04	0.0325	0.0555	0.0842	0.1569	0.0721	0.0412	0.0365	0.0308	0.0429	0.0534	0.0581	0.0214	0.0119	0.0088	0.0163	0.0164	0.7390
85E-	0.85E-04	0.0214	0.0432	0.0763	0.1538	0.0700	0.0383	0.0336	0.0286	0.0397	0.0467	0.0455	0.0167	0.0084	0.0048	0.0095	0.0099	0.6463
10E-	0.10E-03	0.0153	0.0338	0.0679	0.1506	0.0683	0.0359	0.0314	0.0248	0.0351	0.0398	0.0380	0.0119	0.0062	0.0036	0.0067	0.0067	0.5758
13E-	0.13E-03	0.0087	0.0201	0.0534	0.1447	0.0647	0.0337	0.0257	0.0195	0.0267	0.0266	0.0185	0.0056	0.0033	0.0017	0.0021	0.0021	0.4571
17E-	0.17E-03	0.0056	0.0144	0.0460	0.1399	0.0612	0.0310	0.0225	0.0166	0.0224	0.0183	0.0123	0.0030	0.0019	0.0009	0.0011	0.0007	0.3979
20E-	0.20E-03	0.0046	0.0111	0.0400	0.1356	0.0571	0.0287	0.0200	0.0146	0.0188	0.0125	0.0091	0.0021	0.0015	0.0005	0.0007	0.0006	0.3572
25E-	0.25E-03	0.0030	0.0071	0.0299	0.1235	0.0531	0.0257	0.0172	0.0112	0.0111	0.0071	0.0041	0.0009	0.0008	0.0002	0.0003	0.0003	0.2958
30E-	0.30E-03	0.0023	0.0052	0.0237	0.1102	0.0479	0.0234	0.0147	0.0094	0.0081	0.0049	0.0030	0.0006	0.0006	0.0000	0.0002	0.0002	0.2545
35E-	0.35E-03	0.0016	0.0034	0.0177	0.0935	0.0390	0.0171	0.0103	0.0056	0.0058	0.0022	0.0017	0.0005	0.0003	0.0000	0.0000	0.0002	0.1990
40E-	0.40E-03	0.0009	0.0028	0.0144	0.0784	0.0317	0.0142	0.0081	0.0038	0.0036	0.0010	0.0011	0.0002	0.0001	0.0000	0.0000	0.0001	0.1606
50E-	0.50E-03	0.0006	0.0022	0.0106	0.0544	0.0259	0.0110	0.0056	0.0019	0.0021	0.0005	0.0006	0.0002	0.0000	0.0000	0.0000	0.0001	0.1156
60E-	0.60E-03	0.0006	0.0017	0.0078	0.0268	0.0150	0.0080	0.0036	0.0011	0.0009	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0001	0.0662
70E-	0.70E-03	0.0003	0.0009	0.0040	0.0133	0.0078	0.0052	0.0021	0.0007	0.0008	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001	0.0356
85E-	0.85E-03	0.0001	0.0005	0.0018	0.0046	0.0040	0.0029	0.0013	0.0006	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0163
10E-	0.10E-02	0.0001	0.0002	0.0010	0.0023	0.0025	0.0015	0.0007	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0088
14E-	0.14E-02	0.0000	0.0000	0.0001	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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40E-      0.40E-02 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
40E-      0.40E-02
. YE/     1PPL YEAR 1999 DT 60-10A              8-NOV-04***                                                          PAGE      56
VATI      0ELEVATED RELEASE
          0                                PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABII      PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
1             1

NTI:      QUANTIZED
VEL        LEVEL            N     NNE    NE     ENE    E     ESE    SE     SSE    S     SSW    SW     WSW    W     WNW    NW     NNW    TOTS
00E-       0.00E+00 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.000016.0000
10E-       0.10E-09 0.0616 0.0757 0.0964 0.1616 0.0759 0.0447 0.0445 0.0366 0.0521 0.0667 0.1023 0.0630 0.0313 0.0177 0.0306 0.0393 1.0000
35E-       0.35E-08 0.0616 0.0757 0.0964 0.1616 0.0759 0.0447 0.0445 0.0366 0.0521 0.0667 0.1023 0.0630 0.0313 0.0177 0.0306 0.0393 1.0000
10E-       0.10E-07 0.0616 0.0757 0.0964 0.1616 0.0759 0.0447 0.0445 0.0366 0.0521 0.0667 0.1023 0.0630 0.0313 0.0177 0.0306 0.0393 1.0000
25E-       0.25E-07 0.0616 0.0757 0.0964 0.1616 0.0759 0.0447 0.0445 0.0366 0.0521 0.0667 0.1023 0.0630 0.0313 0.0177 0.0306 0.0393 1.0000
70E-       0.70E-07 0.0616 0.0756 0.0964 0.1616 0.0759 0.0447 0.0445 0.0366 0.0521 0.0667 0.1022 0.0623 0.0313 0.0177 0.0306 0.0393 0.9991
10E-       0.10E-06 0.0616 0.0736 0.0960 0.1615 0.0758 0.0447 0.0444 0.0366 0.0518 0.0663 0.0997 0.0567 0.0290 0.0169 0.0304 0.0393 0.9842
15E-       0.15E-06 0.0597 0.0709 0.0936 0.1611 0.0757 0.0446 0.0436 0.0360 0.0498 0.0625 0.0889 0.0528 0.0260 0.0161 0.0302 0.0389 0.9502
22E-       0.22E-06 0.0588 0.0688 0.0908 0.1603 0.0751 0.0440 0.0412 0.0344 0.0464 0.0594 0.0836 0.0510 0.0258 0.0158 0.0297 0.0385 0.9239
32E-       0.32E-06 0.0587 0.0681 0.0892 0.1593 0.0748 0.0431 0.0406 0.0337 0.0458 0.0576 0.0819 0.0507 0.0257 0.0158 0.0297 0.0383 0.9130
48E-       0.48E-06 0.0587 0.0679 0.0891 0.1584 0.0733 0.0424 0.0399 0.0336 0.0455 0.0571 0.0815 0.0497 0.0257 0.0158 0.0297 0.0383 0.9067
70E-       0.70E-06 0.0577 0.0670 0.0889 0.1584 0.0731 0.0423 0.0396 0.0335 0.0454 0.0571 0.0807 0.0472 0.0245 0.0157 0.0294 0.0380 0.8984
10E-       0.10E-05 0.0568 0.0653 0.0881 0.1583 0.0729 0.0422 0.0396 0.0333 0.0453 0.0564 0.0787 0.0461 0.0236 0.0149 0.0289 0.0370 0.8873
15E-       0.15E-05 0.0564 0.0642 0.0873 0.1578 0.0727 0.0419 0.0392 0.0329 0.0443 0.0548 0.0768 0.0445 0.0231 0.0148 0.0288 0.0366 0.8760
20E-       0.20E-05 0.0539 0.0639 0.0872 0.1573 0.0725 0.0414 0.0377 0.0319 0.0435 0.0542 0.0740 0.0367 0.0205 0.0142 0.0279 0.0313 0.8481
30E-       0.30E-05 0.0312 0.0546 0.0837 0.1563 0.0717 0.0405 0.0357 0.0303 0.0425 0.0521 0.0567 0.0204 0.0114 0.0086 0.0156 0.0159 0.7271
40E-       0.40E-05 0.0201 0.0423 0.0742 0.1529 0.0695 0.0370 0.0331 0.0281 0.0393 0.0458 0.0451 0.0165 0.0079 0.0045 0.0091 0.0088 0.6342
50E-       0.50E-05 0.0155 0.0351 0.0683 0.1503 0.0681 0.0354 0.0314 0.0255 0.0351 0.0399 0.0391 0.0125 0.0062 0.0037 0.0068 0.0067 0.5796
70E-       0.70E-05 0.0122 0.0281 0.0595 0.1451 0.0646 0.0333 0.0264 0.0202 0.0304 0.0336 0.0281 0.0083 0.0047 0.0026 0.0050 0.0048 0.5068
85E-       0.85E-05 0.0091 0.0213 0.0537 0.1429 0.0624 0.0317 0.0237 0.0189 0.0268 0.0273 0.0190 0.0056 0.0032 0.0017 0.0033 0.0021 0.4528
10E-       0.10E-04 0.0069 0.0177 0.0502 0.1407 0.0592 0.0295 0.0214 0.0163 0.0226 0.0222 0.0150 0.0041 0.0021 0.0009 0.0016 0.0011 0.4116
15E-       0.15E-04 0.0038 0.0095 0.0372 0.1321 0.0541 0.0268 0.0183 0.0132 0.0164 0.0100 0.0073 0.0018 0.0014 0.0005 0.0007 0.0006 0.3337
20E-       0.20E-04 0.0029 0.0060 0.0272 0.1211 0.0490 0.0232 0.0147 0.0095 0.0088 0.0061 0.0042 0.0010 0.0007 0.0003 0.0003 0.0003 0.2753
25E-       0.25E-04 0.0021 0.0048 0.0231 0.1118 0.0419 0.0169 0.0109 0.0060 0.0072 0.0039 0.0031 0.0008 0.0006 0.0001 0.0000 0.0002 0.2333
30E-       0.30E-04 0.0014 0.0040 0.0198 0.1021 0.0373 0.0141 0.0093 0.0047 0.0058 0.0029 0.0023 0.0006 0.0003 0.0000 0.0000 0.0001 0.2047
35E-       0.35E-04 0.0013 0.0032 0.0169 0.0923 0.0339 0.0125 0.0073 0.0041 0.0045 0.0021 0.0016 0.0005 0.0002 0.0000 0.0000 0.0001 0.1805
40E-       0.40E-04 0.0009 0.0028 0.0139 0.0812 0.0299 0.0118 0.0063 0.0031 0.0030 0.0009 0.0009 0.0002 0.0001 0.0000 0.0000 0.0001 0.1552
50E-       0.50E-04 0.0005 0.0023 0.0111 0.0640 0.0260 0.0104 0.0056 0.0021 0.0019 0.0005 0.0006 0.0002 0.0000 0.0000 0.0000 0.0001 0.1253
60E-       0.60E-04 0.0005 0.0019 0.0083 0.0394 0.0167 0.0078 0.0033 0.0010 0.0010 0.0002 0.0002 0.0000 0.0000 0.0000 0.0000 0.0001 0.0806
70E-       0.70E-04 0.0003 0.0013 0.0068 0.0241 0.0111 0.0060 0.0026 0.0008 0.0009 0.0002 0.0002 0.0000 0.0000 0.0000 0.0000 0.0001 0.0545
85E-       0.85E-04 0.0002 0.0008 0.0033 0.0108 0.0067 0.0041 0.0016 0.0007 0.0003 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0001 0.0288
10E-       0.10E-03 0.0001 0.0005 0.0018 0.0046 0.0040 0.0029 0.0010 0.0006 0.0003 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0001 0.0161
13E-       0.13E-03 0.0001 0.0000 0.0003 0.0008 0.0010 0.0003 0.0003 0.0001 0.0002 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0034
17E-       0.17E-03 0.0000 0.0000 0.0001 0.0001 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0003
20E-       0.20E-03 0.0000 0.0000 0.0001 0.0001 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0003
25E-       0.25E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
30E-       0.30E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
35E-       0.35E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
40E-       0.40E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
50E-       0.50E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
60E-       0.60E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
70E-       0.70E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
85E-       0.85E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
10E-       0.10E-02 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
14E-       0.14E-02 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
20E-       0.20E-02 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
30E-       0.30E-02 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
40E-       0.40E-02 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
40E-       0.40E-02
. YE/     1PPL YEAR 1999 DT 60-10A              8-NOV-04***                                                          PAGE      57
UND       0GROUND RELEASE
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0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

2 2

NTI	QUANTIZED																	
EVEL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
.00E	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.10E	0.10E-09	0.8753	0.9088	0.9291	0.9542	0.9433	0.9563	0.8404	0.7852	0.6817	0.7386	0.9636	0.8185	0.3779	0.1181	0.5144	0.7442	12.1498
.35E	0.35E-08	0.0900	0.1153	0.1517	0.6003	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.9364
.10E	0.10E-07	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
.25E	0.25E-07	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
.70E	0.70E-07	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
.10E	0.10E-06	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
.15E	0.15E-06	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
.22E	0.22E-06	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
.32E	0.32E-06	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
.48E	0.48E-06	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
.70E	0.70E-06	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
.10E	0.10E-05	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
.15E	0.15E-05	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0944	0.0498	0.0297	0.0469	0.0591	1.5651
.20E	0.20E-05	0.0900	0.1146	0.1515	0.2290	0.1333	0.0790	0.0749	0.0624	0.0877	0.1092	0.1516	0.0936	0.0492	0.0297	0.0469	0.0591	1.5616
.30E	0.30E-05	0.0892	0.1132	0.1508	0.2290	0.1333	0.0788	0.0748	0.0619	0.0870	0.1077	0.1466	0.0875	0.0458	0.0287	0.0464	0.0591	1.5397
.40E	0.40E-05	0.0885	0.1109	0.1490	0.2286	0.1333	0.0783	0.0732	0.0611	0.0853	0.1044	0.1421	0.0859	0.0451	0.0284	0.0464	0.0588	1.5193
.50E	0.50E-05	0.0882	0.1099	0.1482	0.2281	0.1328	0.0783	0.0724	0.0599	0.0831	0.1024	0.1385	0.0831	0.0444	0.0282	0.0462	0.0586	1.5023
.70E	0.70E-05	0.0874	0.1089	0.1464	0.2274	0.1323	0.0772	0.0717	0.0597	0.0817	0.1002	0.1338	0.0813	0.0432	0.0280	0.0462	0.0583	1.4838
.85E	0.85E-05	0.0868	0.1084	0.1458	0.2271	0.1320	0.0768	0.0709	0.0596	0.0813	0.0990	0.1314	0.0796	0.0429	0.0274	0.0459	0.0581	1.4729
.10E	0.10E-04	0.0867	0.1073	0.1451	0.2271	0.1315	0.0764	0.0702	0.0594	0.0811	0.0986	0.1294	0.0772	0.0424	0.0272	0.0458	0.0580	1.4633
.15E	0.15E-04	0.0846	0.1044	0.1411	0.2266	0.1313	0.0753	0.0695	0.0580	0.0788	0.0963	0.1252	0.0741	0.0404	0.0269	0.0451	0.0570	1.4346
.20E	0.20E-04	0.0836	0.1023	0.1393	0.2256	0.1305	0.0748	0.0685	0.0578	0.0779	0.0942	0.1213	0.0712	0.0393	0.0257	0.0444	0.0548	1.4111
.25E	0.25E-04	0.0789	0.0998	0.1376	0.2239	0.1291	0.0745	0.0677	0.0567	0.0767	0.0929	0.1175	0.0641	0.0358	0.0239	0.0417	0.0493	1.3701
.30E	0.30E-04	0.0724	0.0967	0.1365	0.2233	0.1286	0.0743	0.0664	0.0564	0.0758	0.0915	0.1111	0.0556	0.0304	0.0208	0.0369	0.0433	1.3200
.35E	0.35E-04	0.0675	0.0930	0.1349	0.2221	0.1282	0.0736	0.0658	0.0548	0.0744	0.0899	0.1058	0.0501	0.0264	0.0181	0.0335	0.0388	1.2771
.40E	0.40E-04	0.0620	0.0880	0.1317	0.2201	0.1272	0.0724	0.0634	0.0542	0.0727	0.0876	0.0997	0.0444	0.0240	0.0157	0.0284	0.0337	1.2251
.50E	0.50E-04	0.0487	0.0721	0.1212	0.2151	0.1225	0.0671	0.0599	0.0497	0.0655	0.0743	0.0826	0.0291	0.0161	0.0106	0.0204	0.0224	1.0772
.60E	0.60E-04	0.0398	0.0649	0.1169	0.2117	0.1196	0.0653	0.0570	0.0461	0.0622	0.0688	0.0709	0.0234	0.0132	0.0084	0.0157	0.0166	1.0003
.70E	0.70E-04	0.0264	0.0494	0.1036	0.2048	0.1144	0.0612	0.0511	0.0396	0.0524	0.0536	0.0477	0.0141	0.0078	0.0057	0.0095	0.0091	0.8505
.85E	0.85E-04	0.0179	0.0386	0.0923	0.2000	0.1099	0.0573	0.0464	0.0362	0.0471	0.0429	0.0376	0.0104	0.0049	0.0025	0.0056	0.0047	0.7546
.10E	0.10E-03	0.0125	0.0297	0.0818	0.1931	0.1029	0.0529	0.0413	0.0311	0.0399	0.0323	0.0273	0.0070	0.0037	0.0014	0.0037	0.0031	0.6635
.13E	0.13E-03	0.0071	0.0158	0.0577	0.1745	0.0900	0.0442	0.0310	0.0219	0.0208	0.0179	0.0125	0.0032	0.0021	0.0005	0.0013	0.0007	0.5010
.17E	0.17E-03	0.0046	0.0107	0.0448	0.1572	0.0805	0.0392	0.0251	0.0153	0.0157	0.0097	0.0068	0.0014	0.0009	0.0000	0.0006	0.0006	0.4131
.20E	0.20E-03	0.0024	0.0073	0.0347	0.1416	0.0614	0.0297	0.0169	0.0086	0.0100	0.0052	0.0037	0.0009	0.0003	0.0000	0.0000	0.0002	0.3229
.25E	0.25E-03	0.0016	0.0046	0.0249	0.1220	0.0517	0.0245	0.0123	0.0048	0.0057	0.0019	0.0016	0.0005	0.0001	0.0000	0.0000	0.0002	0.2565
.30E	0.30E-03	0.0011	0.0034	0.0177	0.0923	0.0338	0.0188	0.0083	0.0031	0.0030	0.0006	0.0006	0.0000	0.0001	0.0000	0.0000	0.0002	0.1830
.35E	0.35E-03	0.0007	0.0019	0.0097	0.0718	0.0208	0.0128	0.0053	0.0017	0.0024	0.0005	0.0002	0.0000	0.0001	0.0000	0.0000	0.0002	0.1282
.40E	0.40E-03	0.0002	0.0011	0.0065	0.0564	0.0148	0.0089	0.0033	0.0013	0.0009	0.0005	0.0000	0.0000	0.0001	0.0000	0.0000	0.0002	0.0944
.50E	0.50E-03	0.0002	0.0008	0.0036	0.0320	0.0100	0.0041	0.0017	0.0002	0.0006	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0534
.60E	0.60E-03	0.0002	0.0003	0.0016	0.0154	0.0038	0.0010	0.0002	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0228
.70E	0.70E-03	0.0000	0.0002	0.0013	0.0069	0.0029	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0116
.85E	0.85E-03	0.0000	0.0001	0.0003	0.0023	0.0009	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0038
.10E	0.10E-02	0.0000	0.0000	0.0002	0.0006	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
.14E	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
.20E	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02																	

, YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 58

EVAT 0ELEVATED RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

2 2

NTI:	QUANTIZED																	
VEL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E-	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.0900	0.1153	0.3894	0.7837	0.4209	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	2.6450
35E-	0.35E-08	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
10E-	0.10E-07	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
25E-	0.25E-07	0.0900	0.1153	0.1517	0.2292	0.1334	0.0790	0.0749	0.0624	0.0878	0.1093	0.1523	0.0945	0.0498	0.0297	0.0469	0.0591	1.5653
70E-	0.70E-07	0.0880	0.1118	0.1494	0.2288	0.1333	0.0788	0.0743	0.0616	0.0859	0.1052	0.1421	0.0847	0.0448	0.0281	0.0463	0.0586	1.5217
10E-	0.10E-06	0.0869	0.1075	0.1468	0.2279	0.1329	0.0781	0.0725	0.0601	0.0827	0.1009	0.1360	0.0786	0.0433	0.0273	0.0458	0.0579	1.4853
.15E-	0.15E-06	0.0859	0.1050	0.1414	0.2265	0.1320	0.0765	0.0710	0.0586	0.0794	0.0962	0.1278	0.0771	0.0420	0.0269	0.0455	0.0575	1.4492
.22E-	0.22E-06	0.0857	0.1044	0.1405	0.2253	0.1300	0.0753	0.0687	0.0577	0.0781	0.0947	0.1251	0.0763	0.0419	0.0268	0.0454	0.0572	1.4331
.32E-	0.32E-06	0.0853	0.1041	0.1400	0.2243	0.1295	0.0749	0.0680	0.0575	0.0780	0.0945	0.1239	0.0745	0.0413	0.0268	0.0452	0.0569	1.4247
.48E-	0.48E-06	0.0835	0.1015	0.1389	0.2241	0.1291	0.0748	0.0679	0.0575	0.0779	0.0939	0.1211	0.0721	0.0398	0.0258	0.0444	0.0558	1.4080
.70E-	0.70E-06	0.0827	0.0994	0.1375	0.2235	0.1289	0.0745	0.0677	0.0565	0.0759	0.0917	0.1192	0.0703	0.0388	0.0251	0.0443	0.0554	1.3914
.10E-	0.10E-05	0.0805	0.0989	0.1372	0.2224	0.1283	0.0739	0.0666	0.0554	0.0744	0.0901	0.1149	0.0657	0.0365	0.0244	0.0430	0.0519	1.3641
.15E-	0.15E-05	0.0663	0.0920	0.1337	0.2210	0.1272	0.0725	0.0648	0.0540	0.0733	0.0877	0.1028	0.0483	0.0255	0.0177	0.0328	0.0384	1.2578
.20E-	0.20E-05	0.0563	0.0788	0.1266	0.2177	0.1241	0.0682	0.0615	0.0516	0.0695	0.0817	0.0906	0.0378	0.0193	0.0122	0.0243	0.0272	1.1472
.30E	0.30E-05	0.0338	0.0625	0.1158	0.2110	0.1193	0.0643	0.0561	0.0444	0.0620	0.0690	0.0674	0.0214	0.0128	0.0077	0.0136	0.0144	0.9758
.40E	0.40E-05	0.0228	0.0487	0.1030	0.2038	0.1143	0.0592	0.0498	0.0406	0.0547	0.0573	0.0484	0.0150	0.0084	0.0046	0.0091	0.0079	0.8476
50E-	0.50E-05	0.0166	0.0389	0.0933	0.1984	0.1062	0.0542	0.0432	0.0344	0.0456	0.0453	0.0373	0.0103	0.0045	0.0024	0.0054	0.0041	0.7403
70E-	0.70E-05	0.0107	0.0257	0.0756	0.1906	0.0992	0.0499	0.0378	0.0276	0.0357	0.0286	0.0228	0.0055	0.0031	0.0011	0.0025	0.0017	0.6181
85E-	0.85E-05	0.0083	0.0204	0.0655	0.1836	0.0959	0.0478	0.0341	0.0239	0.0272	0.0233	0.0161	0.0039	0.0022	0.0009	0.0022	0.0010	0.5561
10E-	0.10E-04	0.0064	0.0151	0.0569	0.1739	0.0891	0.0431	0.0289	0.0200	0.0194	0.0162	0.0116	0.0029	0.0015	0.0007	0.0009	0.0008	0.4873
15E-	0.15E-04	0.0032	0.0093	0.0412	0.1554	0.0687	0.0290	0.0188	0.0104	0.0132	0.0080	0.0054	0.0014	0.0007	0.0000	0.0001	0.0002	0.3650
20E-	0.20E-04	0.0019	0.0057	0.0291	0.1359	0.0570	0.0250	0.0131	0.0070	0.0067	0.0028	0.0025	0.0007	0.0002	0.0000	0.0000	0.0002	0.2878
25E-	0.25E-04	0.0010	0.0044	0.0231	0.1212	0.0498	0.0213	0.0115	0.0042	0.0048	0.0010	0.0014	0.0005	0.0001	0.0000	0.0000	0.0002	0.2445
30E-	0.30E-04	0.0009	0.0036	0.0180	0.0971	0.0357	0.0163	0.0076	0.0022	0.0030	0.0005	0.0005	0.0000	0.0001	0.0000	0.0000	0.0002	0.1856
35E-	0.35E-04	0.0007	0.0025	0.0146	0.0804	0.0251	0.0130	0.0058	0.0017	0.0022	0.0005	0.0005	0.0000	0.0001	0.0000	0.0000	0.0002	0.1472
40E-	0.40E-04	0.0005	0.0016	0.0091	0.0659	0.0172	0.0101	0.0037	0.0015	0.0010	0.0005	0.0000	0.0000	0.0001	0.0000	0.0000	0.0002	0.1114
50E-	0.50E-04	0.0002	0.0011	0.0050	0.0450	0.0115	0.0065	0.0025	0.0011	0.0008	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0743
60E-	0.60E-04	0.0002	0.0005	0.0024	0.0249	0.0057	0.0017	0.0014	0.0002	0.0006	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0378
70E-	0.70E-04	0.0002	0.0002	0.0015	0.0147	0.0032	0.0007	0.0002	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0210
85E-	0.85E-04	0.0000	0.0002	0.0011	0.0061	0.0023	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0100
10E-	0.10E-03	0.0000	0.0001	0.0003	0.0022	0.0009	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037
13E-	0.13E-03	0.0000	0.0000	0.0001	0.0003	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E-	0.40E-02																	

, YR. 1PPL YEAR 1999 DT G0-10A 8-NOV-04••• PAGE 59
UND OGROUND RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
8 8

NTI:	QUANTIZED																	
VEL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E-	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.8641	0.9025	0.9341	0.9639	0.9536	0.8470	0.7080	0.7017	0.6064	0.8085	0.8581	0.7984	0.1308	0.0842	0.1686	0.2568	10.5867

35E-	0.35E-08	0.1969	0.2580	0.3501	0.5748	0.3596	0.2392	0.2123	0.1869	0.2353	0.2769	0.3341	0.2213	0.1308	0.0842	0.1084	0.1343	3.903
10E-	0.10E-07	0.1969	0.2580	0.3501	0.4570	0.3596	0.2392	0.2123	0.1869	0.2353	0.2769	0.3341	0.2213	0.1308	0.0842	0.1084	0.1343	3.7854
25E-	0.25E-07	0.1969	0.2580	0.3501	0.4570	0.3596	0.2392	0.2123	0.1869	0.2353	0.2769	0.3341	0.2213	0.1308	0.0842	0.1084	0.1343	3.7854
70E-	0.70E-07	0.1969	0.2580	0.3501	0.4570	0.3596	0.2392	0.2123	0.1869	0.2353	0.2769	0.3341	0.2213	0.1308	0.0842	0.1084	0.1343	3.7854
10E-	0.10E-06	0.1969	0.2580	0.3501	0.4570	0.3596	0.2392	0.2123	0.1869	0.2353	0.2769	0.3341	0.2213	0.1308	0.0842	0.1084	0.1343	3.7854
15E-	0.15E-06	0.1969	0.2580	0.3501	0.4570	0.3596	0.2392	0.2123	0.1869	0.2353	0.2769	0.3341	0.2213	0.1308	0.0842	0.1084	0.1343	3.7854
22E-	0.22E-06	0.1969	0.2580	0.3501	0.4570	0.3596	0.2392	0.2123	0.1869	0.2353	0.2769	0.3341	0.2213	0.1308	0.0842	0.1084	0.1343	3.7854
32E-	0.32E-06	0.1969	0.2580	0.3501	0.4570	0.3596	0.2392	0.2123	0.1869	0.2353	0.2769	0.3341	0.2213	0.1308	0.0842	0.1084	0.1343	3.7854
48E-	0.48E-06	0.1969	0.2579	0.3501	0.4561	0.3596	0.2392	0.2123	0.1869	0.2353	0.2769	0.3338	0.2202	0.1299	0.0842	0.1084	0.1343	3.7821
70E-	0.70E-06	0.1969	0.2565	0.3497	0.4561	0.3596	0.2392	0.2123	0.1867	0.2351	0.2766	0.3325	0.2123	0.1248	0.0827	0.1065	0.1343	3.7617
10E-	0.10E-05	0.1961	0.2545	0.3486	0.4556	0.3596	0.2385	0.2109	0.1852	0.2336	0.2731	0.3250	0.2104	0.1240	0.0817	0.1065	0.1342	3.7375
15E-	0.15E-05	0.1947	0.2536	0.3459	0.4548	0.3586	0.2367	0.2085	0.1831	0.2286	0.2671	0.3197	0.2057	0.1224	0.0811	0.1056	0.1333	3.6993
20E-	0.20E-05	0.1936	0.2505	0.3430	0.4537	0.3571	0.2345	0.2065	0.1827	0.2252	0.2638	0.3159	0.2007	0.1210	0.0791	0.1055	0.1327	3.6655
30E-	0.30E-05	0.1912	0.2466	0.3401	0.4530	0.3565	0.2315	0.2040	0.1823	0.2227	0.2610	0.3081	0.1914	0.1190	0.0789	0.1052	0.1313	3.6229
40E-	0.40E-05	0.1893	0.2443	0.3358	0.4524	0.3560	0.2311	0.2033	0.1800	0.2208	0.2544	0.3013	0.1859	0.1166	0.0787	0.1040	0.1296	3.5834
50E-	0.50E-05	0.1876	0.2419	0.3322	0.4503	0.3550	0.2299	0.2007	0.1790	0.2188	0.2499	0.2962	0.1813	0.1154	0.0748	0.1030	0.1265	3.5425
70E-	0.70E-05	0.1828	0.2364	0.3281	0.4484	0.3534	0.2290	0.1975	0.1763	0.2172	0.2448	0.2878	0.1678	0.1045	0.0693	0.0966	0.1188	3.4586
85E-	0.85E-05	0.1745	0.2325	0.3239	0.4472	0.3511	0.2284	0.1966	0.1724	0.2138	0.2404	0.2810	0.1558	0.0940	0.0627	0.0932	0.1120	3.3796
10E-	0.10E-04	0.1686	0.2261	0.3211	0.4450	0.3503	0.2266	0.1938	0.1709	0.2122	0.2361	0.2711	0.1458	0.0876	0.0586	0.0864	0.1062	3.3063
15E-	0.15E-04	0.1466	0.2009	0.3023	0.4326	0.3392	0.2141	0.1858	0.1545	0.1971	0.1992	0.2310	0.1085	0.0615	0.0398	0.0690	0.0847	2.9667
20E-	0.20E-04	0.1220	0.1663	0.2815	0.4162	0.3260	0.1970	0.1704	0.1377	0.1773	0.1638	0.1829	0.0821	0.0383	0.0244	0.0549	0.0594	2.6003
25E-	0.25E-04	0.1015	0.1443	0.2655	0.4042	0.3023	0.1834	0.1526	0.1205	0.1552	0.1361	0.1497	0.0573	0.0255	0.0158	0.0424	0.0468	2.3031
30E-	0.30E-04	0.0819	0.1280	0.2459	0.3892	0.2860	0.1642	0.1352	0.1032	0.1162	0.1109	0.1219	0.0413	0.0154	0.0103	0.0306	0.0328	2.0130
35E-	0.35E-04	0.0662	0.1067	0.2261	0.3756	0.2649	0.1536	0.1204	0.0903	0.1022	0.0946	0.0998	0.0300	0.0114	0.0052	0.0212	0.0213	1.7893
40E-	0.40E-04	0.0521	0.0893	0.2064	0.3580	0.2484	0.1437	0.1069	0.0767	0.0904	0.0789	0.0820	0.0198	0.0079	0.0029	0.0161	0.0134	1.5929
50E-	0.50E-04	0.0287	0.0654	0.1693	0.3339	0.2053	0.1138	0.0847	0.0468	0.0636	0.0545	0.0555	0.0112	0.0041	0.0003	0.0067	0.0064	1.2502
60E-	0.60E-04	0.0164	0.0448	0.1428	0.3092	0.1842	0.0997	0.0678	0.0337	0.0432	0.0412	0.0368	0.0077	0.0032	0.0000	0.0014	0.0026	1.0346
70E-	0.70E-04	0.0088	0.0341	0.1200	0.2864	0.1632	0.0864	0.0534	0.0236	0.0297	0.0284	0.0209	0.0037	0.0025	0.0000	0.0011	0.0011	0.8633
85E-	0.85E-04	0.0050	0.0193	0.0804	0.2521	0.1170	0.0663	0.0362	0.0135	0.0197	0.0159	0.0080	0.0023	0.0016	0.0000	0.0003	0.0009	0.6386
10E-	0.10E-03	0.0023	0.0099	0.0610	0.2278	0.0971	0.0492	0.0233	0.0109	0.0094	0.0080	0.0029	0.0010	0.0011	0.0000	0.0000	0.0009	0.5048
13E-	0.13E-03	0.0009	0.0030	0.0333	0.1917	0.0673	0.0258	0.0104	0.0044	0.0046	0.0023	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.3444
17E-	0.17E-03	0.0000	0.0014	0.0178	0.1459	0.0399	0.0114	0.0039	0.0006	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2233
20E-	0.20E-03	0.0000	0.0013	0.0107	0.1210	0.0297	0.0072	0.0017	0.0000	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1729
25E-	0.25E-03	0.0000	0.0007	0.0036	0.0854	0.0182	0.0019	0.0005	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1107
30E-	0.30E-03	0.0000	0.0007	0.0019	0.0588	0.0095	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0719
35E-	0.35E-03	0.0000	0.0000	0.0016	0.0370	0.0042	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0429
40E-	0.40E-03	0.0000	0.0000	0.0007	0.0233	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0259
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0092	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0095
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

. YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 60
VATI 0ELEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
8 8

NTI QUANTIZED VEL LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E- 0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E- 0.10E-09	0.1969	0.2580	0.3501	0.8314	0.4156	0.2392	0.2123	0.1869	0.2353	0.2769	0.3341	0.2213	0.1308	0.0842	0.1084	0.1343	4.2158
35E- 0.35E-08	0.1969	0.2580	0.3501	0.4570	0.3596	0.2392	0.2123	0.1869	0.2353	0.2769	0.3341	0.2213	0.1308	0.0842	0.1084	0.1343	3.7854
10E- 0.10E-07	0.1969	0.2578	0.3501	0.4561	0.3596	0.2392	0.2123	0.1869	0.2352	0.2769	0.3338	0.2201	0.1299	0.0842	0.1084	0.1343	3.7818
25E- 0.25E-07	0.1942	0.2529	0.3459	0.4545	0.3591	0.2385	0.2104	0.1843	0.2291	0.2678	0.3188	0.1992	0.1228	0.0796	0.1053	0.1326	3.6948
70E- 0.70E-07	0.1900	0.2414	0.3317	0.4484	0.3530	0.2299	0.1989	0.1781	0.2193	0.2499	0.2998	0.1858	0.1165	0.0778	0.1046	0.1297	3.5546

10E-	0.10E-06	0.1888	0.2409	0.3287	0.4483	0.3526	0.2294	0.1986	0.1778	0.2182	0.2486	0.2952	0.1839	0.1148	0.0778	0.1036	0.1278	3.5349
15E-	0.15E-06	0.1861	0.2362	0.3265	0.4478	0.3522	0.2290	0.1985	0.1763	0.2171	0.2466	0.2919	0.1798	0.1119	0.0742	0.1018	0.1265	3.5024
22E-	0.22E-06	0.1849	0.2346	0.3241	0.4456	0.3511	0.2281	0.1974	0.1734	0.2141	0.2409	0.2864	0.1751	0.1094	0.0718	0.1008	0.1255	3.4632
32E-	0.32E-06	0.1782	0.2314	0.3228	0.4447	0.3503	0.2260	0.1944	0.1704	0.2120	0.2336	0.2751	0.1575	0.0991	0.0653	0.0948	0.1156	3.3713
48E-	0.48E-06	0.1640	0.2180	0.3156	0.4411	0.3466	0.2210	0.1915	0.1648	0.2092	0.2245	0.2583	0.1389	0.0825	0.0540	0.0820	0.1025	3.2143
70E-	0.70E-06	0.1484	0.1956	0.3030	0.4322	0.3407	0.2133	0.1847	0.1540	0.1981	0.2015	0.2298	0.1063	0.0636	0.0389	0.0682	0.0847	2.9632
10E-	0.10E-05	0.1250	0.1728	0.2874	0.4186	0.3241	0.1990	0.1714	0.1422	0.1811	0.1766	0.1859	0.0790	0.0400	0.0274	0.0544	0.0620	2.6469
15E-	0.15E-05	0.0836	0.1338	0.2616	0.4018	0.2982	0.1750	0.1443	0.1163	0.1509	0.1366	0.1369	0.0431	0.0195	0.0112	0.0302	0.0313	2.1743
20E-	0.20E-05	0.0609	0.1096	0.2385	0.3843	0.2794	0.1632	0.1261	0.0984	0.1195	0.1120	0.0984	0.0263	0.0120	0.0057	0.0183	0.0140	1.8667
30E-	0.30E-05	0.0299	0.0702	0.1972	0.3526	0.2458	0.1325	0.0998	0.0689	0.0821	0.0719	0.0611	0.0131	0.0063	0.0009	0.0070	0.0037	1.4430
40E-	0.40E-05	0.0159	0.0475	0.1599	0.3302	0.2104	0.1063	0.0811	0.0462	0.0586	0.0438	0.0375	0.0072	0.0033	0.0001	0.0022	0.0011	1.1514
50E-	0.50E-05	0.0103	0.0360	0.1275	0.3078	0.1867	0.0971	0.0617	0.0328	0.0360	0.0295	0.0252	0.0042	0.0023	0.0000	0.0006	0.0009	0.9587
70E-	0.70E-05	0.0053	0.0201	0.0913	0.2670	0.1493	0.0751	0.0425	0.0150	0.0209	0.0123	0.0071	0.0023	0.0011	0.0000	0.0003	0.0009	0.7106
85E-	0.85E-05	0.0031	0.0133	0.0696	0.2464	0.1126	0.0602	0.0320	0.0097	0.0139	0.0048	0.0040	0.0007	0.0008	0.0000	0.0000	0.0009	0.5721
10E-	0.10E-04	0.0018	0.0076	0.0498	0.2259	0.0901	0.0478	0.0211	0.0084	0.0065	0.0030	0.0016	0.0006	0.0008	0.0000	0.0000	0.0009	0.4659
15E-	0.15E-04	0.0009	0.0026	0.0245	0.1703	0.0534	0.0164	0.0075	0.0024	0.0032	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2829
20E-	0.20E-04	0.0000	0.0013	0.0133	0.1269	0.0341	0.0057	0.0015	0.0006	0.0007	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1850
25E-	0.25E-04	0.0000	0.0008	0.0055	0.0955	0.0217	0.0031	0.0001	0.0000	0.0003	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1275
30E-	0.30E-04	0.0000	0.0007	0.0033	0.0703	0.0141	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0897
35E-	0.35E-04	0.0000	0.0007	0.0016	0.0526	0.0067	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0619
40E-	0.40E-04	0.0000	0.0000	0.0014	0.0354	0.0040	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0408
50E-	0.50E-04	0.0000	0.0000	0.0007	0.0170	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0185
60E-	0.60E-04	0.0000	0.0000	0.0000	0.0076	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0079
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.40E-02																	

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

5 16

NTIZ VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.2978	0.5779	0.8589	0.9542	0.8217	0.5960	0.4585	0.3186	0.3906	0.6144	0.6533	0.3461	0.2250	0.1437	0.1703	0.2131	7.6401
35E-	0.35E-08	0.2978	0.3776	0.5133	0.6528	0.5655	0.3991	0.3540	0.3186	0.3901	0.4417	0.5099	0.3461	0.2250	0.1437	0.1703	0.2131	5.9186
10E-	0.10E-07	0.2978	0.3776	0.5133	0.6528	0.5655	0.3991	0.3540	0.3186	0.3901	0.4417	0.5099	0.3461	0.2250	0.1437	0.1703	0.2131	5.9186
25E-	0.25E-07	0.2978	0.3776	0.5133	0.6528	0.5655	0.3991	0.3540	0.3186	0.3901	0.4417	0.5099	0.3461	0.2250	0.1437	0.1703	0.2131	5.9186
70E-	0.70E-07	0.2978	0.3776	0.5133	0.6528	0.5655	0.3991	0.3540	0.3186	0.3901	0.4417	0.5099	0.3461	0.2250	0.1437	0.1703	0.2131	5.9186
10E-	0.10E-06	0.2978	0.3776	0.5133	0.6528	0.5655	0.3991	0.3540	0.3186	0.3901	0.4417	0.5099	0.3461	0.2250	0.1437	0.1703	0.2131	5.9186
15E-	0.15E-06	0.2978	0.3776	0.5133	0.6528	0.5655	0.3991	0.3540	0.3186	0.3901	0.4417	0.5099	0.3461	0.2250	0.1437	0.1703	0.2131	5.9186
22E-	0.22E-06	0.2978	0.3776	0.5133	0.6528	0.5655	0.3991	0.3540	0.3186	0.3901	0.4417	0.5099	0.3461	0.2250	0.1437	0.1703	0.2131	5.9186
32E-	0.32E-06	0.2978	0.3775	0.5133	0.6528	0.5655	0.3991	0.3540	0.3186	0.3901	0.4417	0.5096	0.3440	0.2232	0.1437	0.1703	0.2131	5.9143

.48E	0.48E-06	0.2978	0.3765	0.5133	0.6525	0.5655	0.3991	0.3540	0.3183	0.3899	0.4414	0.5085	0.3325	0.2147	0.1413	0.1666	0.2131	5.8850
.70E	0.70E-06	0.2974	0.3755	0.5125	0.6524	0.5655	0.3991	0.3518	0.3169	0.3884	0.4376	0.4967	0.3304	0.2140	0.1403	0.1666	0.2130	5.8579
.10E	0.10E-05	0.2955	0.3744	0.5093	0.6524	0.5644	0.3964	0.3487	0.3141	0.3798	0.4295	0.4908	0.3193	0.2110	0.1351	0.1647	0.2108	5.7963
.15E	0.15E-05	0.2819	0.3679	0.5034	0.6518	0.5630	0.3937	0.3428	0.3136	0.3726	0.4236	0.4773	0.2984	0.1983	0.1338	0.1603	0.1984	5.6808
.20E	0.20E-05	0.2737	0.3589	0.5003	0.6516	0.5625	0.3878	0.3382	0.3075	0.3685	0.4111	0.4638	0.2726	0.1818	0.1178	0.1497	0.1835	5.5292
.30E	0.30E-05	0.2530	0.3435	0.4940	0.6469	0.5554	0.3819	0.3342	0.2952	0.3597	0.3865	0.4352	0.2386	0.1499	0.0976	0.1266	0.1671	5.2653
.40E	0.40E-05	0.2405	0.3222	0.4784	0.6403	0.5506	0.3688	0.3206	0.2839	0.3463	0.3493	0.4067	0.2034	0.1225	0.0844	0.1159	0.1420	4.9759
.50E	0.50E-05	0.2209	0.3108	0.4584	0.6286	0.5429	0.3606	0.3083	0.2667	0.3310	0.3193	0.3560	0.1750	0.0942	0.0632	0.1009	0.1196	4.6561
.70E	0.70E-05	0.1844	0.2635	0.4365	0.6155	0.5192	0.3389	0.2851	0.2430	0.3045	0.2686	0.2917	0.1193	0.0573	0.0389	0.0780	0.0877	4.1320
.85E	0.85E-05	0.1608	0.2341	0.4224	0.6041	0.4977	0.3209	0.2604	0.2093	0.2659	0.2314	0.2470	0.0935	0.0400	0.0259	0.0624	0.0647	3.7405
.10E	0.10E-04	0.1424	0.2147	0.4052	0.5940	0.4795	0.2986	0.2411	0.1897	0.2241	0.1997	0.2179	0.0724	0.0280	0.0148	0.0540	0.0526	3.4286
.15E	0.15E-04	0.0774	0.1505	0.3274	0.5447	0.3976	0.2346	0.1878	0.1126	0.1525	0.1252	0.1369	0.0349	0.0094	0.0033	0.0237	0.0228	2.5415
.20E	0.20E-04	0.0450	0.0948	0.2597	0.4952	0.3248	0.1846	0.1261	0.0713	0.0868	0.0839	0.0775	0.0166	0.0052	0.0000	0.0086	0.0065	1.8868
.25E	0.25E-04	0.0219	0.0619	0.2007	0.4518	0.2553	0.1430	0.0866	0.0451	0.0593	0.0548	0.0406	0.0084	0.0045	0.0000	0.0025	0.0026	1.4390
.30E	0.30E-04	0.0099	0.0406	0.1538	0.4139	0.2156	0.1101	0.0654	0.0311	0.0337	0.0356	0.0164	0.0046	0.0018	0.0000	0.0000	0.0018	1.1342
.35E	0.35E-04	0.0046	0.0257	0.1200	0.3828	0.1823	0.0819	0.0420	0.0159	0.0237	0.0224	0.0078	0.0007	0.0011	0.0000	0.0000	0.0000	0.9109
.40E	0.40E-04	0.0018	0.0165	0.0914	0.3568	0.1492	0.0656	0.0271	0.0119	0.0135	0.0148	0.0031	0.0000	0.0009	0.0000	0.0000	0.0000	0.7526
.50E	0.50E-04	0.0000	0.0060	0.0580	0.2997	0.1064	0.0377	0.0139	0.0057	0.0040	0.0071	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.5386
.60E	0.60E-04	0.0000	0.0036	0.0372	0.2516	0.0786	0.0217	0.0077	0.0016	0.0021	0.0025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4064
.70E	0.70E-04	0.0000	0.0025	0.0245	0.2114	0.0607	0.0102	0.0039	0.0000	0.0016	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3164
.85E	0.85E-04	0.0000	0.0016	0.0103	0.1644	0.0320	0.0060	0.0010	0.0000	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2163
.10E	0.10E-03	0.0000	0.0000	0.0062	0.1202	0.0201	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1492
.13E	0.13E-03	0.0000	0.0000	0.0016	0.0651	0.0063	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0731
.17E	0.17E-03	0.0000	0.0000	0.0000	0.0242	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0242
.20E	0.20E-03	0.0000	0.0000	0.0000	0.0140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0140
.25E	0.25E-03	0.0000	0.0000	0.0000	0.0048	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048
.30E	0.30E-03	0.0000	0.0000	0.0000	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
.35E	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.50E	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.60E	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.70E	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.85E	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.10E	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.14E	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.20E	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02																	

L YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 62
EVAT 0ELEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
BABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
16 16

ANTI EVEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
.00E	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.10E	0.10E-09	0.2978	0.3776	0.5133	0.6528	0.5655	0.3991	0.3540	0.3186	0.3901	0.4417	0.5099	0.3461	0.2250	0.1437	0.1703	0.2131	5.9186
.35E	0.35E-08	0.2978	0.3776	0.5133	0.6528	0.5655	0.3991	0.3540	0.3186	0.3901	0.4417	0.5099	0.3461	0.2250	0.1437	0.1703	0.2131	5.9186
.10E	0.10E-07	0.2955	0.3752	0.5132	0.6524	0.5655	0.3991	0.3539	0.3175	0.3882	0.4362	0.4945	0.3208	0.2134	0.1364	0.1665	0.2124	5.8407
.25E	0.25E-07	0.2892	0.3622	0.5001	0.6489	0.5614	0.3919	0.3403	0.3087	0.3700	0.4112	0.4765	0.2963	0.2065	0.1329	0.1622	0.2034	5.6616
.70E	0.70E-07	0.2713	0.3498	0.4914	0.6471	0.5560	0.3829	0.3302	0.3001	0.3612	0.3961	0.4408	0.2592	0.1744	0.1134	0.1459	0.1837	5.4036
.10E	0.10E-06	0.2618	0.3419	0.4866	0.6458	0.5548	0.3786	0.3279	0.2912	0.3555	0.3749	0.4222	0.2382	0.1514	0.1016	0.1328	0.1679	5.2329
.15E	0.15E-06	0.2377	0.3200	0.4726	0.6393	0.5474	0.3658	0.3173	0.2780	0.3431	0.3432	0.3846	0.1915	0.1218	0.0768	0.1157	0.1423	4.8972
.22E	0.22E-06	0.2075	0.2874	0.4495	0.6236	0.5318	0.3533	0.2972	0.2547	0.3193	0.2962	0.3216	0.1491	0.0794	0.0555	0.0938	0.1080	4.4279
.32E	0.32E-06	0.1665	0.2383	0.4287	0.6086	0.4984	0.3260	0.2687	0.2159	0.2919	0.2385	0.2474	0.0914	0.0422	0.0267	0.0667	0.0710	3.8170
.48E	0.48E-06	0.1034	0.1825	0.3794	0.5768	0.4468	0.2805	0.2159	0.1633	0.1954	0.1693	0.1674	0.0517	0.0180	0.0089	0.0364	0.0326	3.0283
.70E	0.70E-06	0.0595	0.1231	0.3005	0.5317	0.3690	0.2124	0.1635	0.0922	0.1203	0.1067	0.1056	0.0243	0.0071	0.0000	0.0142	0.0109	2.2409
.10E	0.10E-05	0.0253	0.0627	0.2076	0.4589	0.2751	0.1505	0.0966	0.0491	0.0631	0.0596	0.0474	0.0083	0.0036	0.0000	0.0034	0.0022	1.5133
.15E	0.15E-05	0.0029	0.0220	0.1118	0.3782	0.1710	0.0760	0.0408	0.0155	0.0235	0.0239	0.0077	0.0015	0.0011	0.0000	0.0000	0.0000	0.8759

.20E	0.20E-05	0.0000	0.0080	0.0594	0.3045	0.1148	0.0391	0.0174	0.0052	0.0041	0.0073	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.5617
.30E	0.30E-05	0.0000	0.0025	0.0179	0.1959	0.0478	0.0073	0.0030	0.0000	0.0013	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2771
.40E	0.40E-05	0.0000	0.0000	0.0041	0.1204	0.0235	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1516
.50E	0.50E-05	0.0000	0.0000	0.0026	0.0701	0.0067	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0807
.70E	0.70E-05	0.0000	0.0000	0.0000	0.0169	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0169
.85E	0.85E-05	0.0000	0.0000	0.0000	0.0075	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075
.10E	0.10E-04	0.0000	0.0000	0.0000	0.0024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024
.15E	0.15E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.20E	0.20E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.25E	0.25E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E	0.30E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.35E	0.35E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.50E	0.50E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.60E	0.60E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.70E	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.85E	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.10E	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.13E	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.17E	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.20E	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.25E	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.35E	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.50E	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.60E	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.70E	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.85E	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.10E	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.14E	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.20E	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02																	

L YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 63
OUND OGROUND RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
BABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
72 72

ANTI EVEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
.00E	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.10E	0.10E-09	0.7101	0.7932	0.9624	0.9769	0.9678	0.8595	0.8529	0.8100	0.8647	0.8947	0.9205	0.7365	0.5761	0.4541	0.4760	0.5737	12.4292
.35E	0.35E-08	0.7101	0.7932	0.9317	0.9608	0.9502	0.8595	0.8529	0.8100	0.8647	0.8947	0.9205	0.7365	0.5761	0.4541	0.4760	0.5737	12.3648
.10E	0.10E-07	0.7101	0.7932	0.9317	0.9608	0.9502	0.8595	0.8529	0.8100	0.8647	0.8947	0.9205	0.7365	0.5761	0.4541	0.4760	0.5737	12.3648
.25E	0.25E-07	0.7101	0.7932	0.9317	0.9608	0.9502	0.8595	0.8529	0.8100	0.8647	0.8947	0.9205	0.7365	0.5761	0.4541	0.4760	0.5737	12.3648
.70E	0.70E-07	0.7101	0.7932	0.9317	0.9608	0.9502	0.8595	0.8529	0.8100	0.8647	0.8947	0.9203	0.7341	0.5733	0.4541	0.4760	0.5737	12.3593
.10E	0.10E-06	0.7101	0.7932	0.9317	0.9608	0.9502	0.8595	0.8529	0.8100	0.8647	0.8947	0.9201	0.7274	0.5685	0.4474	0.4677	0.5737	12.3325
.15E	0.15E-06	0.7101	0.7930	0.9317	0.9608	0.9502	0.8595	0.8529	0.8100	0.8647	0.8932	0.9148	0.7264	0.5682	0.4463	0.4677	0.5736	12.3231
.22E	0.22E-06	0.7055	0.7927	0.9291	0.9608	0.9502	0.8595	0.8414	0.8064	0.8508	0.8885	0.9141	0.7228	0.5680	0.4219	0.4594	0.5688	12.2400
.32E	0.32E-06	0.6772	0.7880	0.9222	0.9608	0.9502	0.8569	0.8388	0.8064	0.8436	0.8827	0.9125	0.7095	0.5557	0.4212	0.4423	0.5404	12.1084
.48E	0.48E-06	0.6624	0.7825	0.9214	0.9607	0.9500	0.8510	0.8384	0.7999	0.8435	0.8740	0.8984	0.6651	0.5283	0.3706	0.4148	0.5130	11.8740
.70E	0.70E-06	0.6392	0.7758	0.9205	0.9607	0.9358	0.8490	0.8268	0.7819	0.8424	0.8517	0.8927	0.6315	0.4930	0.3279	0.3852	0.4856	11.5997
.10E	0.10E-05	0.6166	0.7548	0.9122	0.9584	0.9272	0.8407	0.8037	0.7526	0.8227	0.8318	0.8608	0.5747	0.4390	0.2726	0.3479	0.4432	11.1588
.15E	0.15E-05	0.5466	0.7007	0.8953	0.9492	0.9219	0.8225	0.7750	0.7141	0.7933	0.7726	0.8133	0.4710	0.3166	0.1927	0.2812	0.3557	10.3217
.20E	0.20E-05	0.5151	0.6568	0.8900	0.9477	0.9190	0.8069	0.7440	0.6436	0.7610	0.7116	0.7633	0.3876	0.2257	0.1368	0.2328	0.2859	9.6279
.30E	0.30E-05	0.3920	0.5517	0.8455	0.9337	0.8769	0.7345	0.6689	0.5470	0.6516	0.6361	0.6683	0.2962	0.1308	0.0572	0.1555	0.1804	8.3266
.40E	0.40E-05	0.3375	0.4872	0.8188	0.9156	0.8602	0.6904	0.5849	0.4466	0.5572	0.5530	0.5858	0.2169	0.0659	0.0292	0.1076	0.1266	7.3833
.50E	0.50E-05	0.2822	0.4291	0.7630	0.9006	0.8364	0.6336	0.4882	0.3594	0.4841	0.4588	0.4784	0.1523	0.0378	0.0183	0.0874	0.0882	6.4978

70E-	0.70E-05	0.1674	0.3282	0.6963	0.8808	0.7650	0.5174	0.3844	0.2428	0.3397	0.2962	0.3240	0.0768	0.0242	0.0042	0.0497	0.0412	5.1384
85E-	0.85E-05	0.1115	0.2716	0.6016	0.8648	0.7143	0.4243	0.2885	0.1782	0.2558	0.2115	0.2260	0.0589	0.0165	0.0000	0.0251	0.0141	4.2628
10E-	0.10E-04	0.0644	0.2125	0.5319	0.8492	0.6663	0.3528	0.2386	0.1171	0.1881	0.1542	0.1499	0.0260	0.0040	0.0000	0.0091	0.0097	3.5739
15E-	0.15E-04	0.0132	0.0880	0.3653	0.7671	0.4969	0.2143	0.1140	0.0284	0.0405	0.0569	0.0369	0.0056	0.0000	0.0000	0.0000	0.0023	2.2294
20E-	0.20E-04	0.0036	0.0261	0.2304	0.7080	0.3726	0.1189	0.0406	0.0109	0.0127	0.0165	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	1.5466
25E-	0.25E-04	0.0000	0.0056	0.1259	0.6378	0.2719	0.0597	0.0104	0.0028	0.0000	0.0053	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1195
30E-	0.30E-04	0.0000	0.0002	0.0604	0.5705	0.1960	0.0362	0.0008	0.0000	0.0000	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.8678
35E-	0.35E-04	0.0000	0.0000	0.0376	0.5099	0.1228	0.0195	0.0000	0.0000	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6914
40E-	0.40E-04	0.0000	0.0000	0.0192	0.4398	0.0759	0.0069	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5417
50E-	0.50E-04	0.0000	0.0000	0.0031	0.3128	0.0401	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3563
60E-	0.60E-04	0.0000	0.0000	0.0000	0.2046	0.0073	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2119
70E-	0.70E-04	0.0000	0.0000	0.0000	0.1175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1175
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0581
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0300
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0054	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

, YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 64
VATI 0ELEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
BABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL.
'2 72

NTI: QUANTIZED																		
VEL LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS	
00E- 0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000		
10E- 0.10E-09	0.7101	0.7932	0.9317	0.9608	0.9502	0.8595	0.8529	0.8100	0.8647	0.8947	0.9205	0.7365	0.5761	0.4541	0.4760	0.5737	12.3648	
35E- 0.35E-08	0.6975	0.7860	0.9291	0.9608	0.9502	0.8595	0.8413	0.8031	0.8508	0.8858	0.9140	0.7096	0.5679	0.4218	0.4594	0.5686	12.2054	
10E- 0.10E-07	0.6789	0.7812	0.9211	0.9608	0.9467	0.8500	0.8255	0.7942	0.8406	0.8755	0.8992	0.6686	0.5610	0.4091	0.4452	0.5546	12.0119	
25E- 0.25E-07	0.6396	0.7757	0.9186	0.9607	0.9358	0.8404	0.8201	0.7688	0.8290	0.8417	0.8742	0.6089	0.4945	0.3263	0.3835	0.4753	11.4930	
70E- 0.70E-07	0.5250	0.6713	0.8882	0.9483	0.9162	0.8111	0.7508	0.6654	0.7780	0.7118	0.7547	0.3972	0.2495	0.1476	0.2549	0.3123	9.7823	
10E- 0.10E-06	0.4650	0.5915	0.8703	0.9351	0.8963	0.7562	0.6862	0.5915	0.6859	0.6642	0.7015	0.3210	0.1659	0.0810	0.1808	0.2144	8.8070	
15E- 0.15E-06	0.3406	0.5013	0.8172	0.9220	0.8664	0.7017	0.6173	0.4798	0.5843	0.5550	0.5763	0.2278	0.0657	0.0315	0.1315	0.1325	7.5509	
22E- 0.22E-06	0.2678	0.3974	0.7604	0.8989	0.8242	0.6151	0.4758	0.3421	0.4719	0.4216	0.4234	0.1153	0.0328	0.0112	0.0757	0.0576	6.1911	
32E- 0.32E-06	0.1256	0.2829	0.6433	0.8755	0.7412	0.4587	0.3372	0.2084	0.3007	0.2503	0.2513	0.0615	0.0203	0.0000	0.0296	0.0204	4.6068	
48E- 0.48E-06	0.0328	0.1360	0.4696	0.8224	0.6219	0.3011	0.1849	0.0725	0.1436	0.1040	0.0869	0.0088	0.0000	0.0000	0.0003	0.0047	2.9896	
70E- 0.70E-06	0.0058	0.0521	0.3057	0.7541	0.4478	0.1714	0.0806	0.0140	0.0297	0.0404	0.0205	0.0013	0.0000	0.0000	0.0000	0.0000	1.9235	
10E- 0.10E-05	0.0000	0.0080	0.1303	0.6417	0.2818	0.0670	0.0130	0.0028	0.0000	0.0077	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1522	
15E- 0.15E-05	0.0000	0.0000	0.0256	0.4778	0.1008	0.0110	0.0000	0.0000	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6157	
20E- 0.20E-05	0.0000	0.0000	0.0032	0.3210	0.0346	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3591	
30E- 0.30E-05	0.0000	0.0000	0.0000	0.0907	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0907	
40E- 0.40E-05	0.0000	0.0000	0.0000	0.0272	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0272	
50E- 0.50E-05	0.0000	0.0000	0.0000	0.0055	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0055	
70E- 0.70E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
85E- 0.85E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
10E- 0.10E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
15E- 0.15E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

20E-	0.20E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

. YE 1PPL YEAR 1999 DT 60-10A 8-NOV-04••• PAGE 65
UND 0GROUND RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL.
4 624

NTI: VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E-	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E	0.10E-09	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9743	1.0000	15.9743
35E	0.35E-08	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9743	1.0000	15.9743
10E-	0.10E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9743	1.0000	15.9743
25E	0.25E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9811	0.9743	1.0000	15.9554
70E-	0.70E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9077	0.9644	1.0000	15.8721
10E-	0.10E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9062	0.9643	1.0000	15.8705
15E-	0.15E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8981	0.9508	0.9906	15.8394
22E-	0.22E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8828	0.9328	0.9634	15.7790
32E-	0.32E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8138	0.8990	0.9336	15.6463
48E-	0.48E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9872	0.7501	0.8386	0.9086	15.4845
70E-	0.70E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9857	0.9201	0.5267	0.8099	0.8663	15.1086
10E-	0.10E-05	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8557	0.6408	0.2669	0.6349	0.6849	14.0831
15E	0.15E-05	0.9331	0.9912	1.0000	1.0000	1.0000	1.0000	1.0000	0.9993	1.0000	0.9864	1.0000	0.7484	0.2828	0.0466	0.3296	0.4164	12.7337
20E-	0.20E-05	0.7658	0.9771	1.0000	1.0000	1.0000	1.0000	0.9953	0.9810	1.0000	0.9630	1.0000	0.6092	0.0888	0.0000	0.1995	0.2705	11.8501
30E	0.30E-05	0.4936	0.8623	1.0000	1.0000	1.0000	0.9958	0.9234	0.8510	0.9518	0.8279	0.9538	0.3091	0.0126	0.0000	0.0542	0.1111	10.3466
40E-	0.40E-05	0.2190	0.7913	1.0000	1.0000	1.0000	0.9394	0.7979	0.5938	0.7787	0.6940	0.8544	0.0766	0.0000	0.0000	0.0076	0.0119	8.7647
50E	0.50E-05	0.1400	0.6783	1.0000	1.0000	0.9865	0.8045	0.6933	0.3308	0.6124	0.5802	0.5990	0.0000	0.0000	0.0000	0.0000	0.0000	7.4250
70E-	0.70E-05	0.0529	0.2019	0.9974	1.0000	0.9507	0.6882	0.4274	0.0849	0.2622	0.2716	0.1993	0.0000	0.0000	0.0000	0.0000	0.0000	5.1364
85E	0.85E-05	0.0201	0.0540	0.9577	0.9997	0.9188	0.5995	0.2344	0.0000	0.0878	0.1025	0.0169	0.0000	0.0000	0.0000	0.0000	0.0000	3.9914
10E	0.10E-04	0.0000	0.0000	0.8625	0.9862	0.8903	0.4657	0.0986	0.0000	0.0187	0.0217	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.3437
15E	0.15E-04	0.0000	0.0000	0.2478	0.9499	0.6133	0.1009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.9119
20E	0.20E-04	0.0000	0.0000	0.0198	0.9149	0.4101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.3448
25E	0.25E-04	0.0000	0.0000	0.0000	0.8595	0.2445	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1040
30E	0.30E-04	0.0000	0.0000	0.0000	0.7823	0.0304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.8127
35E	0.35E-04	0.0000	0.0000	0.0000	0.6674	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6674

:40E	0:40E-04	0.0000	0.0000	0.0000	0.5526	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5526	
.50E	0.50E-04	0.0000	0.0000	0.0000	0.1086	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0:0000	0.0000	0.0000	0.0000	0.1086	
.60E	0.60E-04	0.0000	0.0000	0.0000	0.0550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0550	
.70E	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.85E	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.10E	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.13E	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.17E	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.20E	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.25E	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.30E	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.35E	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.40E	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.50E	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.60E	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.70E	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.85E	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.10E	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.14E	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.20E	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.30E	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.40E	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.40E	0.40E-02																		

ZVAT 0ELEVATED RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

24 624

ANTI ZVEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
.00E	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.10E	0.10E-09	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9743	1.0000	15.9743	
.35E	0.35E-08	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8983	0.9643	1.0000	15.8626	
.10E	0.10E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8485	0.9242	0.9451	15.7178	
.25E	0.25E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9995	0.9139	0.5867	0.8079	0.8718	15.1798
.70E	0.70E-07	0.8635	0.9783	1.0000	1.0000	1.0000	1.0000	0.9928	0.9890	1.0000	0.9736	1.0000	0.6326	0.1046	0.0000	0.2658	0.3075	12.1077
.10E	0.10E-06	0.5993	0.9417	1.0000	1.0000	1.0000	1.0000	0.9607	0.9071	0.9912	0.8870	0.9755	0.3993	0.0326	0.0000	0.0987	0.1569	10.9500
.15E	0.15E-06	0.2870	0.8146	1.0000	1.0000	1.0000	0.9783	0.8231	0.6867	0.8300	0.7201	0.8536	0.0898	0.0000	0.0000	0.0085	0.0119	9.1036
.22E	0.22E-06	0.1195	0.5952	1.0000	1.0000	0.9850	0.7476	0.6495	0.2658	0.5536	0.5228	0.4632	0.0000	0.0000	0.0000	0.0000	0.0000	6.9022
.32E	0.32E-06	0.0209	0.0889	0.9780	1.0000	0.9321	0.6556	0.3299	0.0076	0.1570	0.1650	0.0491	0.0000	0.0000	0.0000	0.0000	0.0000	4.3841
.48E	0.48E-06	0.0000	0.0000	0.6760	0.9803	0.7603	0.2729	0.0460	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.7356
.70E	0.70E-06	0.0000	0.0000	0.0614	0.9299	0.5103	0.0338	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.5354
.10E	0.10E-05	0.0000	0.0000	0.0000	0.8643	0.2713	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1357
.15E	0.15E-05	0.0000	0.0000	0.0000	0.6228	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6228
.20E	0.20E-05	0.0000	0.0000	0.0000	0.1112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1112
.30E	0.30E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.50E	0.50E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.70E	0.70E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.85E	0.85E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.10E	0.10E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.15E	0.15E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.20E	0.20E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.25E	0.25E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E	0.30E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.35E	0.35E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.50E	0.50E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.60E	0.60E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.70E	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

.85E	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.10E	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.13E	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.17E	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.20E	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.25E	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.35E	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.50E	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.60E	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.70E	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.85E	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.10E	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.14E	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.20E	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02																	

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*****************************************
*                                       *
*   PPL YEAR 2000 DT 60-10A             *
*                                       *
*   REQUEST NUMBER BS#0411-01           *
*                                       *
*   PERIOD OF RECORD  0 1 1 1 0 TO  0123124 0 *
*                                       *
*   COMPUTER RUN OF   8-NOV-04***       *
*                                       *
*   TAPE 3 SAVE FILE  FILE3NAME         *
*                                       *
*****************************************
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1

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*****************************************
*                                       *
*   PPL YEAR 2000 DT 60-10A             *
*                                       *
*   REQUEST NUMBER BS#0411-01           *
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                                        *                                        *
                                        *   PERIOD OF RECORD   0 1 1 1 0 TO  0123124 0  *
                                        *                                        *
                                        *   COMPUTER RUN OF   8-NOV-04***        *
                                        *                                        *
                                        *   TAPE 3 SAVE FILE  FILE3NAME          *
                                        *                                        *
                                        ******************************************
L YE     1PPL YEAR 2000 DT 60-10A          8-NOV-04***                                          PAGE      1
LUTI     0DILUTION PROCESSING SELECTED

NDOW      WINDOW OPTION SELECTED
TS O      NRTS OPTION IS  0   DISTANCE EXPONENTS FOR SIGMA Y      0.00      0.00
EVAT     0ELEVATER X/Q COMPUTED FOR PEAK BEYOND DISTANCE READ IN
 PLU     0NO PLUME RISE SELECTED
EED      0SPEED LESS THAN  0.0 USE ELEVATED EQUATIONS FOR GROUND COMPUTATION
ANCH     0BRANCH TECNICAL POSITION PROCESSING FOR MEANDER SELECTED
R HO     0FOR HORIZONTAL DIFFUSION
SQUI      PASQUILL DIFFUSION SELECTED
R VE     0FOR VERTICAL DIFFUSION
SQUI      PASQUILL DIFFUSION SELECTED
LMS      0CALMS PROCESSING ----    2
ALM        CALM       SPEED       DIRECTION      DIFFUSION      SPEED GROUP    FACTOR
 1           1        CARDS         CALM HR        CARDS          CARDS        YES
 2           2        CARDS         CALM HR        CALM HR        CARDS        NO
 3           3    NON CALM HR   NON CALM HR    NON CALM HR    NON CALM HR      NO
 4           4        CARDS     NON CALM HR        CARDS          CARDS        YES
 5           5        CARDS     NON CALM HR        CALM HR        CARDS        NO

ENTE     0 CENTERLINE, AVERAGE CUT OFF AT   8 HOURS
L YE     1PPL YEAR 2000 DT 60-10A           8-NOV-04***                                          PAGE      2
INDO     0 WINDOW LENGTHS SELECTED
            1          2        8        16        72        624
EEDS     0SPEEDS EXCLUDED LT     0
DUP      0GROUP SPEED UPPER LIMIT
 1           1       0.5
 2           2       3.5
 3           3       7.5
 4           4      12.5
 5           5     999.0

DUP      0GROUP UPPER TEMPERATURE LIMIT
 1           1       -10
 2           2        -9
 3           3        -8
 4           4        -3
 5           5         8
 6           6        24
 7           7        24+
DUP      0GROUP RANGE UPPER LIMIT
 7           7        12
 6           6        22
 5           5        45
 4           4        75
 3           3       105
 2           2       135
 1           1       360
DUP      0GROUP S UPPER LIMITS
 7           7       0.0
 6           6       0.0
 5           5       0.0
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 4          4        0.0
 3          3        0.0
 2          2        0.0
 1 (        1 GT     0.0
E S(     SITE SQ
' SE     MET SELECTION
:ED      SPEED          1
:ECT     DIRECTION      1
/TE      DELTE TEMP     1
' BU     DRY BULB       1
/ PO:    DEW POINT
, YE     1PPL YEAR 2000 DT 60-10A          8-NOV-04***                                    PAGE     3


                                   PASQUILL GROUPS
D GI     WIND GROUP                  TEMPERATURE GROUP
                          A        B        C        D        E        F        G
                 1        1        2        3        4        5        6        7
                 2        1        2        3        4        5        6        7
                 3        1        2        3        4        5        6        7
                 4        1        2        3        4        5        6        7
                 5        1        2        3        4        5        6        7


NTI:     QUANTIZATION LEVELS
.10(       0.100000E-09   0.350000E-08   0.100000E-07   0.250000E-07   0.700000E-07   0.100000E-06   0.150000E-06
.22(       0.220000E-06   0.320000E-06   0.480000E-06   0.700000E-06   0.100000E-05   0.150000E-05   0.200000E-05
.30(       0.300000E-05   0.400000E-05   0.500000E-05   0.700000E-05   0.850000E-05   0.100000E-04   0.150000E-04
.20(       0.200000E-04   0.250000E-04   0.300000E-04   0.350000E-04   0.400000E-04   0.500000E-04   0.600000E-04
.70(       0.700000E-04   0.850000E-04   0.100000E-03   0.130000E-03   0.170000E-03   0.200000E-03   0.250000E-03
.30(       0.300000E-03   0.350000E-03   0.400000E-03   0.500000E-03   0.600000E-03   0.700000E-03   0.850000E-03
.10(       0.100000E-02   0.140000E-02   0.200000E-02   0.300000E-02   0.400000E-02
UPP      0   UPPER HEIGHT   LOWER HEIGHT   EXPONENTS FOR SPEED CORRECTION      EXPONENTS FOR RANGE CORRECTION
                 33.0           33.0 0.250 0.250 0.250 0.330 0.500 0.500 0.500      0.000 0.000 0.000 0.000 0.000 0.000 0.000
ONE      0EXPONENTIAL SPEED CORRECTION TO BE PERFORMED
QUI      PASQUILL DIFFUSION GROUPS USED AS EXPONENT SELECTOR
TA       0DELTA TEMPERATURE CORRECTION =     0.100000E+01
ILD      0 BUILDING WAKE LIMIT ON X/Q SET TO 1/3
MA       SIGMA REDUCTION FACTORS 1.00 1.00
IGA      0FUMIGATION OFF
, YE     1PPL YEAR 2000 DT 60-10A          8-NOV-04***                                    PAGE     4
IZO      HORIZONTAL DIFFUSION COEFFICIENTS GROUND RELEASE(STGY, NO DELTA DISTANCE)
          N     0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          NNE   0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          NE    0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          ENE   0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          E     0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          ESE   0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          SE    0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          SSE   0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          S     0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          SSW   0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          SW    0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          WSW   0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          W     0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          WNW   0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          NW    0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          NNW   0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
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RTIC     0VERTICAL DIFFUSION COEFFICIENTS(LE.  8) GROUND RELEASE(SIG24, NO DELTA DISTANCE)
          N    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
E        NNE   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
         NE    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
E        ENE   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
          E    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
E        ESE   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
         SE    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
E        SSE   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
          S    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
W        SSW   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
         SW    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
W        WSW   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
          W    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
W        WNW   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
         NW    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
W        NNW   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
RTIC     0VERTICAL DIFFUSION COEFFICIENTS(GT.  8) GROUND RELEASE(SIGAV, WITH DELTA DISTANCE)
          N    0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
E        NNE   0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
         NE    0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
E        ENE   0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
          E    0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
E        ESE   0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
         SE    0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
E        SSE   0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
          S    0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
W        SSW   0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
         SW    0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
W        WSW   0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
          W    0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
W        WNW   0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
         NW    0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
W        NNW   0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02

L YE     1PPL YEAR 2000 DT 60-10A              8-NOV-04***                                                    PAGE      5
RIZO     0HORIZONTAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(SIYEL, NO DELTA DISTANCE)
          N    0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
E        NNE   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
         NE    0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
E        ENE   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
          E    0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
E        ESE   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
         SE    0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
E        SSE   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
          S    0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
W        SSW   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
         SW    0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
W        WSW   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
          W    0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
W        WNW   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
         NW    0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
W        NNW   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
RTIC     0VERTICAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(SIZEL, NO DELTA DISTANCE)
          N    0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
E        NNE   0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
         NE    0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
E        ENE   0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
          E    0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
E        ESE   0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
         SE    0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
```

```
 SSE   0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
  S    0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
 SSW   0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
 SW    0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
 WSW   0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
  W    0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
 WNW   0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
 NW    0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
 NNW   0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
0VERTICAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(GT.  8) GROUND RELEASE(SIZAV, WITH DELTA DISTANCE)
  N    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
 NNE   0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
 NE    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
 ENE   0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
  E    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
 ESE   0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
 SE    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
 SSE   0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
  S    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
 SSW   0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
 SW    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
 WSW   0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
  W    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
 WNW   0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
 NW    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
 NNW   0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03

1PPL YEAR 2000 DT 60-10A              8-NOV-04***                                                                    PAGE      6
DELTA DISTANCE
  0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00
NOTE: THE FOLLOWING DISTANCES ARE ENTERED IN WIND
      GROUPS FROM - NOT TOWARDS, E.G. GROUP 1 IS FROM N WHERE
      DISTANCE IS THE VALUE FROM PLANT TO SOUTH BOUNDARY
GROUND RELEASE DISTANCE ELEVATED RELEASE DISTANCE
 N          549.0                  4827.0
 NNE        549.0                  4827.0
 NE         549.0                  4827.0
 ENE        549.0                  4827.0
  E         549.0                  4827.0
 ESE        549.0                  4827.0
 SE         549.0                  4827.0
 SSE        549.0                  4827.0
  S         549.0                  4827.0
 SSW        549.0                  4827.0
 SW         549.0                  4827.0
 WSW        549.0                  4827.0
  W         549.0                  4827.0
 WNW        549.0                  4827.0
 NW         549.0                  4827.0
 NNW        549.0                  4827.0

BUILDING WAKE EFFECTS,C =     0.500 A =  2685.000 EFFECTIVE STACK HEIGHT        0.0
FOR CALMS   ISPG =     1   KWRGY =     0   KWRGZ =     0   FIXED SPEED =        0.4
  SIGMS Y GROUP FACTOR =  1.00SIGMA Z GROUP FACTOR =  1.00DELTA HEIGHT =164.0
MINIMUM NON ZERO SPEED =  0.8
ADJUSTED STACK HEIGHT PARAMETERS  C =      0.00 VS =      0.00 DIAMETER =      0.00 RELEASE RATE =  0.0000E+00
HEIGHT OF CONTAINMENT=  60.0
MAX VALUE OF SIGMA=    1000.0
terrain factor for plume height adjustment   0.00
1PPL YEAR 2000 DT 60-10A              8-NOV-04***                                                                    PAGE      7
0DATE     TEMP GP SPED GP  DIR  GP  RA  RB RANG IRY IRZ     XQ LE   8     XQ GT   8  XQ(ELEV) LE   8  XQ(ELV) GT   8  H2 TER
```

1 1	0 1 1 1 0	35 7	2.4 2	67	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
1 1	0 1 1 2 0	33 7	3.2 2	75	ENE	0	0	360	7	7	6.00	3	0.442162E-03	0.257658E-03	0.517568E-04	0.921931E-05	0.	0.0
1 1	0 1 1 3 0	32 7	2.7 2	68	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0
1 1	0 1 1 4 0	34 7	2.4 2	67	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0:	0.0
1 1	0 1 1 5 0	29 7	3.8 3	62	ENE	0	0	360	7	7	6.00	3	0.372347E-03	0.216975E-03	0.435847E-04	0.776363E-05	0.	0.0
1 1	0 1 1 6 0	27 7	2.8 2	74	ENE	0	0	360	7	7	6.00	3	0.505328E-03	0.294467E-03	0.591506E-04	0.105364E-04	0.	0.0
1 1	0 1 1 7 0	25 7	3.1 2	67	ENE	0	0	360	7	7	6.00	3	0.456425E-03	0.265970E-03	0.534264E-04	0.951671E-05	0.	0.0
1 1	0 1 1 8 0	26 7	1.4 2	64	ENE	0	0	360	7	7	6.00	3	0.101066E-02	0.588933E-03	0.118301E-03	0.210727E-04	0.	0.0
1 1	0 1 1 9 0	15 6	1.4 2	70	ENE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
1 1:	0 1 110 0	26 7	2.1 2	70	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
1 1	0 1 111 0	20 6	2.6 2	84	E	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0
1 1	0 1 112 0	17 6	2.0 2	100	E	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
1 1.	0 1 113 0	-3 4	2.2 2	146	SE	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0
1 1:	0 1 114 0	-4 4	3.1 2	153	SSE	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
1 1.	0 1 115 0	-7 4	3.3 2	184	S	0	0	360	4	4	2.00	3	0.124505E-03	0.795803E-04	0.629384E-05	0.297599E-05	0.	0.0
1 1	0 1 116 0	-7 4	5.4 3	220	SW	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
1 1:	0 1 117 0	-4 4	3.7 3	183	S	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
1 1:	0 1 118 0	-1 5	1.8 2	136	SE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
1 1:	0 1 119 0	18 6	2.3 2	60	ENE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
1 1:	0 1 120 0	33 7	2.1 2	60	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
1 1:	0 1 121 0	46 7	3.1 2	61	ENE	0	0	360	7	7	6.00	3	0.456425E-03	0.265970E-03	0.534264E-04	0.951671E-05	0.	0.0
1 1:	0 1 122 0	59 7	3.3 2	75	ENE	0	0	360	7	7	6.00	3	0.428763E-03	0.249850E-03	0.501884E-04	0.893994E-05	0.	0.0
1 1:	0 1 123 0	54 7	3.7 3	70	ENE	0	0	360	7	7	6.00	3	0.382410E-03	0.222840E-03	0.447626E-04	0.797346E-05	0.	0.0
1 1:	0 1 124 0	45 7	3.1 2	66	ENE	0	0	360	7	7	6.00	3	0.456425E-03	0.265970E-03	0.534264E-04	0.951671E-05	0.	0.0
1 2	0 1 2 1 0	43 7	2.7 2	75	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0
1 2.	0 1 2 2 0	43 7	2.9 2	61	ENE	0	0	360	7	7	6.00	3	0.487902E-03	0.284313E-03	0.571109E-04	0.101730E-04	0.	0.0
1 2	0 1 2 3 0	41 7	3.6 3	67	ENE	0	0	360	7	7	6.00	3	0.393033E-03	0.229030E-03	0.460060E-04	0.819494E-05	0.	0.0
1 2	0 1 2 4 0	42 7	2.9 2	73	ENE	0	0	360	7	7	6.00	3	0.487902E-03	0.284313E-03	0.571109E-04	0.101730E-04	0.	0.0
1 2	0 1 2 5 0	38 7	2.7 2	72	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0
1 2	0 1 2 6 0	39 7	3.1 2	60	ENE	0	0	360	7	7	6.00	3	0.456425E-03	0.265970E-03	0.534264E-04	0.951671E-05	0.	0.0
1 2	0 1 2 7 0	31 7	2.9 2	58	ENE	0	0	360	7	7	6.00	3	0.487902E-03	0.284313E-03	0.571109E-04	0.101730E-04	0.	0.0
1 2	0 1 2 8 0	26 7	1.9 2	95	E	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
1 2	0 1 2 9 0	32 7	2.7 2	62	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0
1 2:	0 1 210 0	28 7	2.2 2	64	ENE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
1 2:	0 1 211 0	22 6	1.9 2	117	ESE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
1 2:	0 1 212 0	1 5	2.0 2	201	SSW	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
1 2:	0 1 213 0	-1 5	2.1 2	95	E	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 2:	0 1 214 0	-2 5	2.1 2	79	E	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 2:	0 1 215 0	-1 5	2.7 2	123	ESE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1 2:	0 1 216 0	-5 4	3.8 3	202	SSW	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
1 2:	0 1 217 0	-4 4	5.9 3	192	SSW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
1 2:	0 1 218 0	0 5	5.1 3	205	SSW	0	0	360	5	5	2.63	3	0.121758E-03	0.665043E-04	0.809177E-05	0.291332E-05	0.	0.0
1 2:	0 1 219 0	2 5	4.1 3	209	SSW	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
1 2:	0 1 220 0	9 6	2.2 2	196	SSW	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
1 2:	0 1 221 0	26 7	3.1 2	180	S	0	0	360	7	7	6.00	3	0.456425E-03	0.265970E-03	0.534264E-04	0.951671E-05	0.	0.0
1 2:	0 1 222 0	9 6	4.9 3	216	SW	0	0	360	6	6	3.57	3	0.206494E-03	0.108458E-03	0.198356E-04	0.485456E-05	0.	0.0
1 2:	0 1 223 0	13 6	3.3 2	194	SSW	0	0	360	6	6	4.00	3	0.273352E-03	0.161043E-03	0.278434E-04	0.720828E-05	0.	0.0
1 2:	0 1 224 0	12 6	3.0 2	185	S	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
1 3	0 1 3 1 0	34 7	2.3 2	170	S	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
1 3	0 1 3 2 0	59 7	2.2 2	84	E	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
1 3	0 1 3 3 0	50 7	2.1 2	96	E	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
1 3	0 1 3 4 0	62 7	2.1 2	113	ESE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
1 3	0 1 3 5 0	34 7	3.5 2	194	SSW	0	0	360	7	7	6.00	3	0.404262E-03	0.235573E-03	0.473205E-04	0.842908E-05	0.	0.0
1 3	0 1 3 6 0	29 7	3.0 2	191	S	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
1 3	0 1 3 7 0	12 6	4.4 3	221	SW	0	0	360	6	6	4.00	3	0.205014E-03	0.120782E-03	0.208826E-04	0.540621E-05	0.	0.0

. YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 8

E	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ LE 8	XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	H2 TER	
1 3	0 1 3 8 0	2 5		6.7 3		240	WSW	0	0	360	5	5	2.00 3	0.121758E-03	0.506227E-04	0.679801E-05	0.221760E-05	0.	0.0
1 3	0 1 3 9 0	6 5		4.2 3		204	SSW	0	0	360	5	5	3.00 3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
1 3:	0 1 310 0	10 6		2.7 2		172	S	0	0	360	6	6	4.00 3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
1 3:	0 1 311 0	3 5		2.2 2		141	SE	0	0	360	5	5	3.00 3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0

1 31	0	1	312	0	3	5	1.6	2	12	NNE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 31	0	1	313	0	0	5	1.6	2	85	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 31	0	1	314	0	-1	5	2.0	2	95	E	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
1 31	0	1	315	0	1	5	1.7	2	104	ESE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
1 31	0	1	316	0	6	5	1.3	2	98	E	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
1 31	0	1	317	0	0	5	1.8	2	26	NNE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
1 31	0	1	318	0	5	5	2.3	2	56	NE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1 31	0	1	319	0	-1	5	2.1	2	153	SSE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 3	0	1	320	0	-2	5	2.9	2	126	SE	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
1 3	0	1	321	0	-1	5	3.5	2	128	SE	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
1 3	0	1	322	0	-3	4	3.8	3	145	SE	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
1 3	0	1	323	0	0	5	3.0	2	118	ESE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1 3	0	1	324	0	0	5	4.9	3	210	SSW	0	0	360	5	5	2.74	3	0.121758E-03	0.692188E-04	0.828896E-05	0.303223E-05	0.	0.0
1 4	0	1	4	1	0	-1	5	8.6	4	189	S	0	0	360	5	5	1.56	1	0.959317E-04	0.394386E-04	0.571327E-05	0.172767E-05	0.	0.0
1 4	0	1	4	2	0	-2	5	9.1	4	206	SSW	0	0	360	5	5	1.47	1	0.906607E-04	0.372716E-04	0.548303E-05	0.163274E-05	0.	0.0
1 4	0	1	4	3	0	-1	5	6.6	3	191	S	0	0	360	5	5	2.03	3	0.121758E-03	0.513897E-04	0.686663E-05	0.225120E-05	0.	0.0
1 4	0	1	4	4	0	-1	5	7.5	3	182	S	0	0	360	5	5	1.79	1	0.110002E-03	0.452229E-04	0.629479E-05	0.198106E-05	0.	0.0
1 4	0	1	4	5	0	-1	5	7.0	3	199	SSW	0	0	360	5	5	1.92	1	0.117859E-03	0.484531E-04	0.660015E-05	0.212256E-05	0.	0.0
1 4	0	1	4	6	0	0	5	7.7	4	200	SSW	0	0	360	5	5	1.74	1	0.107145E-03	0.440483E-04	0.618042E-05	0.192960E-05	0.	0.0
1 4	0	1	4	7	0	3	5	6.4	3	194	SSW	0	0	360	5	5	2.10	3	0.121758E-03	0.529956E-04	0.700811E-05	0.232155E-05	0.	0.0
1 4	0	1	4	8	0	-1	5	8.2	4	215	SW	0	0	360	5	5	1.64	1	0.100611E-03	0.413624E-04	0.591187E-05	0.181194E-05	0.	0.0
1 4	0	1	4	9	0	-2	5	7.6	4	227	SW	0	0	360	5	5	1.77	1	0.108554E-03	0.446279E-04	0.623708E-05	0.195499E-05	0.	0.0
1 41	0	1	410	0	0	5	8.7	4	202	SSW	0	0	360	5	5	1.54	1	0.948290E-04	0.389853E-04	0.566569E-05	0.170781E-05	0.	0.0
1 41	0	1	411	0	-1	5	10.0	4	196	SSW	0	0	360	5	5	1.34	1	0.825013E-04	0.339172E-04	0.511220E-05	0.148579E-05	0.	0.0
1 41	0	1	412	0	-2	5	9.8	4	199	SSW	0	0	360	5	5	1.37	1	0.841850E-04	0.346094E-04	0.519021E-05	0.151612E-05	0.	0.0
1 41	0	1	413	0	-1	5	9.8	4	206	SSW	0	0	360	5	5	1.37	1	0.841850E-04	0.346094E-04	0.519021E-05	0.151612E-05	0.	0.0
1 41	0	1	414	0	-1	5	11.9	4	197	SSW	0	0	360	5	5	1.13	1	0.693288E-04	0.285018E-04	0.444106E-05	0.124857E-05	0.	0.0
1 41	0	1	415	0	-1	5	11.1	4	216	SW	0	0	360	5	5	1.21	1	0.743255E 04	0.305560E-04	0.472188E-05	0.133855E-05	0.	0.0
1 41	0	1	416	0	-4	4	7.2	3	281	W	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1 41	0	1	417	0	-2	5	4.3	3	207	SSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
1 41	0	1	418	0	-2	5	10.4	4	232	SW	0	0	360	5	5	1.29	1	0.793281E-04	0.326127E-04	0.496302E-05	0.142865E-05	0.	0.0
1 41	0	1	419	0	0	5	4.6	3	193	SSW	0	0	360	5	5	2.92	3	0.121758E-03	0.737330E-04	0.860344E-05	0.322999E-05	0.	0.0
1 4	0	1	420	0	1	5	3.4	2	187	S	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
1 4	0	1	421	0	-1	5	5.2	3	250	WSW	0	0	360	5	5	2.58	3	0.121758E-03	0.652254E-04	0.799665E-05	0.285730E-05	0.	0.0
1 4	0	1	422	0	-4	4	11.0	4	275	W	0	0	360	4	4	1.13	1	0.500282E-04	0.238741E-04	0.219708E-05	0.892798E-06	0.	0.0
1 4	0	1	423	0	-3	4	8.5	4	250	WSW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
1 4	0	1	424	0	-3	4	12.3	4	243	WSW	0	0	360	4	4	1.06	1	0.451074E-04	0.215258E-04	0.200251E-05	0.804982E-06	0.	0.0
1 5	0	1	5	1	0	-4	4	11.7	4	256	WSW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
1 5	0	1	5	2	0	-4	4	10.4	4	292	WNW	0	0	360	4	4	1.17	1	0.529144E-04	0.252514E-04	0.230604E-05	0.944305E-06	0.	0.0
1 5	0	1	5	3	0	-4	4	9.0	4	296	WNW	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
1 5	0	1	5	4	0	-4	4	7.7	4	298	WNW	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0
1 5	0	1	5	5	0	-4	4	9.6	4	324	NW	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
1 5	0	1	5	6	0	-5	4	12.5	4	339	NNW	0	0	360	4	4	1.05	1	0.440248E-04	0.210092E-04	0.195445E-05	0.785662E-06	0.	0.0
1 5	0	1	5	7	0	-5	4	9.0	4	339	NNW	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
1 5	0	1	5	8	0	-4	4	11.1	4	345	NNW	0	0	360	4	4	1.13	1	0.495775E-04	0.236590E-04	0.217994E-05	0.884755E-06	0.	0.0
1 5	0	1	5	9	0	-4	4	8.9	4	331	NNW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
1 5	0	1	510	0	-5	4	8.6	4	340	NNW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
1 5	0	1	511	0	-6	4	11.6	4	332	NNW	0	0	360	4	4	1.10	1	0.474405E-04	0.226392E-04	0.209824E-05	0.846619E-06	0.	0.0
1 5	0	1	512	0	-6	4	11.2	4	345	NNW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
1 5	0	1	513	0	-6	4	12.2	4	340	NNW	0	0	360	4	4	1.06	1	0.451074E-04	0.215258E-04	0.200251E-05	0.804982E-06	0.	0.0
1 5	0	1	514	0	-6	4	10.7	4	330	NNW	0	0	360	4	4	1.15	1	0.514308E-04	0.245434E-04	0.225020E-05	0.917829E-06	0.	0.0

. YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 9

'E	ODATE			TEMP	GP	SPED	GP	DTR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
1 5	0	1	515	0	-6	4	9.4	4	348	NNW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
1 5	0	1	516	0	-6	4	8.6	4	328	NNW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
1 5	0	1	517	0	-6	4	9.9	4	332	NNW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
1 5	0	1	518	0	-4	4	7.0	3	351	N	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
1 5	0	1	519	0	-3	4	5.8	3	6	N	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
1 5	0	1	520	0	0	5	3.8	3	22	NNE	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
1 5	0	1	521	0	1	5	2.2	2	82	E	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
1 5	0	1	522	0	2	5	2.5	2	82	E	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0

1	5	0	1	523	0	3	5	2.4	2	58	ENE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
1	5	0	1	524	0	3	5	2.6	2	51	NE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
1	6	0	1	6	1	0	3	5	2.0	2	44	NE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
1	6	0	1	6	2	0	10	6	2.2	2	68	ENE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
1	6	0	1	6	3	0	7	5	2.1	2	71	ENE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1	6	0	1	6	4	0	7	5	3.0	2	60	ENE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1	6	0	1	6	5	0	7	5	2.8	2	58	ENE	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
1	6	0	1	6	6	0	14	6	2.7	2	56	NE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
1	6	0	1	6	7	0	15	6	3.1	2	30	NNE	0	0	360	6	6	4.00	3	0.290987E-03	0.171433E-03	0.296398E-04	0.767333E-05	0.	0.0
1	6	0	1	6	8	0	19	6	2.3	2	66	ENE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
1	6	0	1	6	9	0	28	7	2.1	2	94	E	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
1	6	0	1	610	0	9	6	2.4	2	105	ESE	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
1	6	0	1	611	0	-7	4	3.7	3	165	SSE	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
1	6	0	1	612	0	-9	2	7.7	4	178	S	0	0	360	2	2	0.00	1	0.159420E-04	0.161947E-04	0.146857E-06	0.122138E-06	0.	0.0
1	6	0	1	613	0	-10	1	8.3	4	182	S	0	0	360	1	1	0.00	1	0.491548E-05	0.680372E-05	0.101585E-06	0.113309E-06	0.	0.0
1	6	0	1	614	0	-9	2	8.7	4	196	SSW	0	0	360	2	2	0.00	1	0.141095E-04	0.143332E-04	0.129977E-06	0.108099E-06	0.	0.0
1	6	0	1	615	0	-9	2	8.9	4	180	S	0	0	360	2	2	0.00	1	0.137925E-04	0.140111E-04	0.127056E-06	0.105670E-06	0.	0.0
1	6	0	1	616	0	-8	3	7.6	4	187	S	0	0	360	3	3	0.00	1	0.336773E-04	0.244937E-04	0.812843E-06	0.488578E-06	0.	0.0
1	6	0	1	617	0	-6	4	7.2	3	191	S	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1	6	0	1	618	0	-1	5	5.5	3	187	S	0	0	360	5	5	2.44	3	0.121758E-03	0.616676E-04	0.772426E-05	0.270144E-05	0.	0.0
1	6	0	1	619	0	1	5	3.5	2	178	S	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
1	6	0	1	620	0	3	5	2.3	2	174	S	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1	6	0	1	621	0	10	6	2.5	2	71	ENE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
1	6	0	1	622	0	24	7	2.1	2	47	NE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
1	6	0	1	623	0	34	7	2.5	2	63	ENE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0
1	6	0	1	624	0	37	7	2.0	2	63	ENE	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
1	7	0	1	7	1	0	40	7	2.2	2	66	ENE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
1	7	0	1	7	2	0	39	7	2.4	2	74	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
1	7	0	1	7	3	0	38	7	2.0	2	65	ENE	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
1	7	0	1	7	4	0	34	7	2.2	2	74	ENE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
1	7	0	1	7	5	0	40	7	1.8	2	94	E	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0
1	7	0	1	7	6	0	39	7	2.4	2	82	E	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
1	7	0	1	7	7	0	29	7	2.3	2	69	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
1	7	0	1	7	8	0	19	6	1.2	2	83	E	0	0	360	6	6	4.00	3	0.751717E-03	0.442869E-03	0.765694E-04	0.198228E-04	0.	0.0
1	7	0	1	7	9	0	11	6	1.1	2	58	ENE	0	0	360	6	6	4.00	3	0.820055E-03	0.483129E-03	0.835303E-04	0.216248E-04	0.	0.0
1	7	0	1	710	0	1	5	1.2	2	132	SE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
1	7	0	1	711	0	2	5	2.3	2	98	E	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1	7	0	1	712	0	-4	4	4.3	3	214	SW	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
1	7	0	1	713	0	-6	4	11.7	4	235	SW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
1	7	0	1	714	0	-5	4	10.1	4	244	WSW	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
1	7	0	1	715	0	-5	4	12.1	4	252	WSW	0	0	360	4	4	1.07	1	0.454802E-04	0.217037E-04	0.201906E-05	0.811634E-06	0.	0.0
1	7	0	1	716	0	-5	4	11.5	4	287	WNW	0	0	360	4	4	1.10	1	0.478530E-04	0.228361E-04	0.211407E-05	0.853981E-06	0.	0.0
1	7	0	1	717	0	-4	4	10.3	4	282	WNW	0	0	360	4	4	1.18	1	0.534281E-04	0.254966E-04	0.232530E-05	0.953473E-06	0.	0.0
1	7	0	1	718	0	-4	4	8.3	4	285	WNW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
1	7	0	1	719	0	-4	4	9.6	4	309	NW	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
1	7	0	1	720	0	-4	4	8.9	4	302	WNW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
1	7	0	1	721	0	-4	4	6.2	3	283	WNW	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0

TE		0DATE			TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LR	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
1	7	0	1	722	0	-4	4	8.0	4	303	WNW	0	0	360	4	4	1.39	1	0.687887E-04		0.328269E-04		0.288357E-05		0.122760E-05		0.		0.0
1	7	0	1	723	0	-3	4	7.5	3	332	NNW	0	0	360	4	4	1.44	1	0.733746E-04		0.350153E-04		0.304420E-05		0.130944E-05		0.		0.0
1	7	0	1	724	0	-3	4	7.5	3	336	NNW	0	0	360	4	4	1.44	1	0.733746E-04		0.350153E-04		0.304420E-05		0.130944E-05		0.		0.0
1	8	0	1	8	1	0	-1	5	5.1	3	351	N	0	0	360	5	5	2.63	3	0.121758E-03		0.665043E-04		0.809177E-05		0.291332E-05		0.		0.0
1	8	0	1	8	2	0	0	5	1.9	2	55	NE	0	0	360	5	5	3.00	3	0.286695E-03		0.178512E-03		0.205865E-04		0.781997E-05		0.		0.0
1	8	0	1	8	3	0	1	5	2.5	2	184	S	0	0	360	5	5	3.00	3	0.217888E-03		0.135669E-03		0.156457E-04		0.594318E-05		0.		0.0
1	8	0	1	8	4	0	0	5	2.5	2	152	SSE	0	0	360	5	5	3.00	3	0.217888E-03		0.135669E-03		0.156457E-04		0.594318E-05		0.		0.0
1	8	0	1	8	5	0	0	5	2.8	2	178	S	0	0	360	5	5	3.00	3	0.194543E-03		0.121133E-03		0.139694E-04		0.530641E-05		0.		0.0
1	8	0	1	8	6	0	2	5	3.8	3	304	NW	0	0	360	5	5	3.00	3	0.143348E-03		0.892558E-04		0.102933E-04		0.390999E-05		0.		0.0
1	8	0	1	8	7	0	3	5	2.3	2	196	SSW	0	0	360	5	5	3.00	3	0.236835E-03		0.147466E-03		0.170062E-04		0.645998E-05		0.		0.0
1	8	0	1	8	8	0	6	5	1.9	2	111	ESE	0	0	360	5	5	3.00	3	0.286695E-03		0.178512E-03		0.205865E-04		0.781997E-05		0.		0.0
1	8	0	1	8	9	0	8	6	1.7	2	87	E	0	0	360	6	6	4.00	3	0.530624E-03		0.312613E-03		0.540490E-04		0.139925E-04		0.		0.0

1 8	0 1 810 0	-1 5	1.9 2	142	SE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
1 8	0 1 811 0	-8 3	4.4 3	204	SSW	0	0	360	3	3	0.00	1	0.581699E-04	0.423073E-04	0.140400E-05	0.843908E-06	0.	0.0
1 8	0 1 812 0	-10 1	7.4 3	216	SW	0	0	360	1	1	0.00	1	0.551331E-05	0.763120E-05	0.113940E-06	0.127089E-06	0.	0.0
1 8	0 1 813 0	-12 1	7.8 4	202	SSW	0	0	360	1	1	0.00	1	0.523057E-05	0.723985E-05	0.108097E-06	0.120572E-06	0.	0.0
1 8	0 1 814 0	-9 2	8.9 4	232	SW	0	0	360	2	2	0.00	1	0.137925E-04	0.140111E-04	0.127056E-06	0.105670E-06	0.	0.0
1 8	0 1 815 0	-9 2	7.3 3	231	SW	0	0	360	2	2	0.00	1	0.168155E-04	0.170821E-04	0.154904E-06	0.128830E-06	0.	0.0
1 8	0 1 816 0	-7 4	6.6 3	230	SW	0	0	360	4	4	1.56	3	0.795599E-04	0.397901E-04	0.338605E-05	0.148800E-05	0.	0.0
1 8	0 1 817 0	-6 4	8.3 4	234	SW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
1 8	0 1 818 0	-1 5	5.6 3	224	SW	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
1 8	0 1 819 0	4 5	3.8 3	204	SSW	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
1 8	0 1 820 0	7 5	3.8 3	215	SW	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
1 8	0 1 821 0	11 6	2.5 2	188	S	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
1 8	0 1 822 0	9 6	2.8 2	187	S	0	0	360	6	6	4.00	3	0.322165E-03	0.189801E-03	0.328155E-04	0.849547E-05	0.	0.0
1 8	0 1 823 0	10 6	1.8 2	93	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1 8	0 1 824 0	6 5	1.6 2	55	NE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 9	0 1 9 1 0	9 6	1.7 2	54	NE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1 9	0 1 9 2 0	18 6	1.7 2	85	E	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1 9	0 1 9 3 0	17 6	1.4 2	93	E	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
1 9	0 1 9 4 0	13 6	1.7 2	63	ENE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1 9	0 1 9 5 0	15 6	1.7 2	56	NE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1 9	0 1 9 6 0	13 6	2.0 2	205	SSW	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
1 9	0 1 9 7 0	11 6	1.9 2	110	ESE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
1 9	0 1 9 8 0	9 6	1.8 2	185	S	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1 9	0 1 9 9 0	12 6	1.3 2	101	E	0	0	360	6	6	4.00	3	0.693893E-03	0.408802E-03	0.706795E-04	0.182979E-04	0.	0.0
1 9	0 1 910 0	11 6	1.5 2	79	E	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
1 9	0 1 911 0	-1 5	1.8 2	84	E	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
1 9	0 1 912 0	-7 4	2.6 2	177	S	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
1 9	0 1 913 0	-7 4	3.2 2	120	ESE	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
1 9	0 1 914 0	-7 4	5.1 3	229	SW	0	0	360	4	4	1.84	3	0.875033E-04	0.514931E-04	0.418013E-05	0.192564E-05	0.	0.0
1 9	0 1 915 0	-6 4	4.0 3	218	SW	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
1 9	0 1 916 0	-6 4	3.7 3	210	SSW	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
1 9	0 1 917 0	-4 4	2.2 2	193	SSW	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0
1 9	0 1 918 0	-1 5	4.4 3	173	S	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
1 9	0 1 919 0	-3 4	3.4 2	165	SSE	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
1 9	0 1 920 0	-4 4	3.7 3	149	SSE	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
1 9	0 1 921 0	-3 4	2.4 2	181	S	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0
1 9	0 1 922 0	-3 4	2.1 2	58	ENE	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
1 9	0 1 923 0	0 5	1.8 2	36	NE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
1 9	0 1 924 0	3 5	2.2 2	41	NE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
110	0 110 1 0	1 5	1.4 2	116	ESE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
110	0 110 2 0	-2 5	2.0 2	151	SSE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
110	0 110 3 0	-2 5	1.8 2	119	ESE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
110	0 110 4 0	-2 5	1.7 2	136	SE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0

L YE	1PPL YEAR 2000 DT 60-10A													8-NOV-04***												PAGE		11
TE	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
110	0 110 5 0	-2	5	2.4	2	72	ENE	0	0	360	5	5	3.00	3	0.226967E-03		0.141322E-03		0.162976E-04		0.619081E-05		0.	0.0				
110	0 110 6 0	-3	4	3.6	3	110	ESE	0	0	360	4	4	2.00	3	0.114130E-03		0.729486E-04		0.576935E-05		0.272799E-05		0.	0.0				
110	0 110 7 0	-4	4	4.2	3	96	E	0	0	360	4	4	2.00	3	0.978254E-04		0.625274E-04		0.494516E-05		0.233828E-05		0.	0.0				
110	0 110 8 0	-4	4	7.0	3	121	ESE	0	0	360	4	4	1.51	3	0.778506E-04		0.375164E-04		0.322468E-05		0.140297E-05		0.	0.0				
110	0 110 9 0	-4	4	7.0	3	109	ESE	0	0	360	4	4	1.51	3	0.778506E-04		0.375164E-04		0.322468E-05		0.140297E-05		0.	0.0				
110	0 11010 0	-4	4	8.4	4	118	ESE	0	0	360	4	4	1.34	1	0.655131E-04		0.312637E-04		0.276722E-05		0.116914E-05		0.	0.0				
110	0 11011 0	-4	4	7.9	4	119	ESE	0	0	360	4	4	1.40	1	0.696595E-04		0.332424E-04		0.291427E-05		0.124314E-05		0.	0.0				
110	0 11012 0	-4	4	7.4	3	90	E	0	0	360	4	4	1.46	1	0.743662E-04		0.354885E-04		0.307859E-05		0.132713E-05		0.	0.0				
110	0 11013 0	-4	4	10.1	4	131	SE	0	0	360	4	4	1.20	1	0.544861E-04		0.260015E-04		0.236484E-05		0.972354E-06		0.	0.0				
110	0 11014 0	-3	4	7.1	3	126	SE	0	0	360	4	4	1.49	3	0.774441E-04		0.369880E-04		0.318682E-05		0.138321E-05		0.	0.0				
110	0 11015 0	-3	4	6.7	3	87	E	0	0	360	4	4	1.55	3	0.791195E-04		0.391963E-04		0.334415E-05		0.146579E-05		0.	0.0				
110	0 11016 0	-1	5	5.6	3	297	WNW	0	0	360	5	5	2.40	3	0.121758E-03		0.605664E-04		0.763754E-05		0.265320E-05		0.	0.0				
110	0 11017 0	-2	5	7.8	4	220	SW	0	0	360	5	5	1.72	1	0.105771E-03		0.434836E-04		0.612477E-05		0.190486E-05		0.	0.0				
110	0 11018 0	-2	5	3.1	2	198	SSW	0	0	360	5	5	3.00	3	0.175716E-03		0.109410E-03		0.126175E-04		0.479289E-05		0.	0.0				
110	0 11019 0	-3	4	9.0	4	230	SW	0	0	360	4	4	1.29	1	0.611455E-04		0.291794E-04		0.260988E-05		0.109120E-05		0.	0.0				
110	0 11020 0	-3	4	6.6	3	222	SW	0	0	360	4	4	1.56	3	0.795599E-04		0.397901E-04		0.338605E-05		0.148800E-05		0.	0.0				

110	0	11021	0	0	5	4.7	3	206	SSW	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
110	0	11022	0	0	5	6.9	3	224	SW	0	0	360	5	5	1.95	1	0.119567E-03	0.491554E-04	0.666481E-05	0.215333E-05	0.	0.0
110	0	11023	0	1	5	5.8	3	216	SW	0	0	360	5	5	2.31	3	0.121758E-03	0.584779E-04	0.746982E-05	0.256171E-05	0.	0.0
110	0	11024	0	6	5	4.2	3	203	SSW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
111	0	111 1	0	7	5	4.3	3	199	SSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
111	0	111 2	0	9	6	4.1	3	197	SSW	0	0	360	6	6	4.00	3	0.220015E-03	0.129620E-03	0.224106E-04	0.580179E-05	0.	0.0
111	0	111 3	0	12	6	4.5	3	210	SSW	0	0	360	6	6	3.97	3	0.201940E-03	0.118098E-03	0.204943E-04	0.528607E-05	0.	0.0
111	0	111 4	0	14	6	4.2	3	208	SSW	0	0	360	6	6	4.00	3	0.214776E-03	0.126534E-03	0.218770E-04	0.566365E-05	0.	0.0
111	0	111 5	0	16	6	3.2	2	191	S	0	0	360	6	6	4.00	3	0.281894E-03	0.166076E-03	0.287135E-04	0.743354E-05	0.	0.0
111	0	111 6	0	28	7	2.2	2	177	S	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
111	0	111 7	0	20	6	4.6	3	221	SW	0	0	360	6	6	3.86	3	0.203106E-03	0.115531E-03	0.203279E-04	0.517116E-05	0.	0.0
111	0	111 8	0	14	6	4.1	3	187	S	0	0	360	6	6	4.00	3	0.220015E-03	0.129620E-03	0.224106E-04	0.580179E-05	0.	0.0
111	0	111 9	0	3	5	6.9	3	198	SSW	0	0	360	5	5	1.95	1	0.119567E-03	0.491554E-04	0.666481E-05	0.215333E-05	0.	0.0
111	0	11110	0	-1	5	6.6	3	196	SSW	0	0	360	5	5	2.03	3	0.121758E-03	0.513897E-04	0.686663E-05	0.225120E-05	0.	0.0
111	0	11111	0	-1	5	11.1	4	224	SW	0	0	360	5	5	1.21	1	0.743255E-04	0.305560E-04	0.472188E-05	0.133855E-05	0.	0.0
111	0	11112	0	-3	4	13.0	5	232	SW	0	0	360	4	4	1.02	1	0.423315E-04	0.202011E-04	0.187928E-05	0.755444E-06	0.	0.0
111	0	11113	0	-4	4	13.4	5	260	W	0	0	360	4	4	1.00	1	0.410679E-04	0.195981E-04	0.182318E-05	0.732894E-06	0.	0.0
111	0	11114	0	-5	4	20.0	5	260	W	0	0	360	4	4	0.00	1	0.275155E-04	0.131307E-04	0.122153E-05	0.491039E-06	0.	0.0
111	0	11115	0	-5	4	16.6	5	257	WSW	0	0	360	4	4	0.00	1	0.331512E-04	0.158202E-04	0.147172E-05	0.591613E-06	0.	0.0
111	0	11116	0	-4	4	15.7	5	257	WSW	0	0	360	4	4	0.00	1	0.350516E-04	0.167271E-04	0.155609E-05	0.625527E-06	0.	0.0
111	0	11117	0	-4	4	16.3	5	265	W	0	0	360	4	4	0.00	1	0.337613E-04	0.161113E-04	0.149881E-05	0.602502E-06	0.	0.0
111	0	11118	0	-4	4	18.0	5	247	WSW	0	0	360	4	4	0.00	1	0.305728E-04	0.145897E-04	0.135726E-05	0.545599E-06	0.	0.0
111	0	11119	0	-4	4	13.1	5	241	WSW	0	0	360	4	4	1.02	1	0.420084E-04	0.200469E-04	0.186493E-05	0.749677E-06	0.	0.0
111	0	11120	0	-4	4	11.9	4	256	WSW	0	0	360	4	4	1.08	1	0.462445E-04	0.220685E-04	0.205218E-05	0.825275E-06	0.	0.0
111	0	11121	0	-4	4	14.9	5	249	WSW	0	0	360	4	4	0.00	1	0.369335E-04	0.176252E-04	0.163964E-05	0.659112E-06	0.	0.0
111	0	11122	0	-4	4	15.0	5	245	WSW	0	0	360	4	4	0.00	1	0.366873E-04	0.175077E-04	0.162871E-05	0.654718E-06	0.	0.0
111	0	11123	0	-4	4	12.1	4	234	SW	0	0	360	4	4	1.07	1	0.454802E-04	0.217037E-04	0.201906E-05	0.811634E-06	0.	0.0
111	0	11124	0	-4	4	12.6	5	241	WSW	0	0	360	4	4	1.04	1	0.436754E-04	0.208424E-04	0.193894E-05	0.779427E-06	0.	0.0
112	0	112 1	0	-4	4	12.4	4	248	WSW	0	0	360	4	4	1.05	1	0.443798E-04	0.211786E-04	0.197021E-05	0.791998E-06	0.	0.0
112	0	112 2	0	-4	4	10.0	4	244	WSW	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0
112	0	112 3	0	-4	4	10.2	4	272	W	0	0	360	4	4	1.19	1	0.539519E-04	0.257466E-04	0.234490E-05	0.962821E-06	0.	0.0
112	0	112 4	0	-3	4	6.9	3	266	W	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
112	0	112 5	0	-4	4	8.0	4	253	WSW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
112	0	112 6	0	-3	4	8.6	4	250	WSW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
112	0	112 7	0	-3	4	10.8	4	263	W	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
112	0	112 8	0	-3	4	8.2	4	250	WSW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
112	0	112 9	0	-2	5	3.4	2	250	WSW	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
112	0	11210	0	-4	4	5.8	3	276	W	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
112	0	11211	0	-6	4	8.1	4	261	W	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0

L YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04•••

TE	0DATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LR	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
112	0 11212	0	-6	4	9.1	4	278	W	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0					
112	0 11213	0	-9	2	9.4	4	248	WSW	0	0	360	2	2	0.00	1	0.130588E-04	0.132659E-04	0.120298E-06	0.100049E-06	0.	0.0					
112	0 11214	0	-8	3	10.3	4	250	WSW	0	0	360	3	3	0.00	1	0.248493E-04	0.180730E-04	0.599767E-06	0.360504E-06	0.	0.0					
112	0 11215	0	-9	2	10.9	4	232	SW	0	0	360	2	2	0.00	1	0.112617E-04	0.114403E-04	0.103743E-06	0.862809E-07	0.	0.0					
112	0 11216	0	-8	3	11.2	4	239	WSW	0	0	360	3	3	0.00	1	0.228524E-04	0.166207E-04	0.551572E-06	0.331535E-06	0.	0.0					
112	0 11217	0	-6	4	11.6	4	234	SW	0	0	360	4	4	1.10	1	0.474405E-04	0.226392E-04	0.209824E-05	0.846619E-06	0.	0.0					
112	0 11218	0	-3	4	7.6	4	229	SW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0					
112	0 11219	0	3	5	2.3	2	196	SSW	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0					
112	0 11220	0	7	5	2.0	2	147	SSE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0					
112	0 11221	0	12	6	1.6	2	105	ESE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0					
112	0 11222	0	25	7	2.1	2	98	E	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0					
112	0 11223	0	26	7	2.3	2	57	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0					
112	0 11224	0	19	6	2.2	2	78	ENE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0					
113	0 113 1	0	15	6	2.9	2	71	ENE	0	0	360	6	6	4.00	3	0.311055E-03	0.183256E-03	0.316839E-04	0.820253E-05	0.	0.0					
113	0 113 2	0	10	6	3.4	2	51	NE	0	0	360	6	6	4.00	3	0.265312E-03	0.156307E-03	0.270245E-04	0.699627E-05	0.	0.0					
113	0 113 3	0	3	5	3.5	2	62	ENE	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0					
113	0 113 4	0	-2	5	4.8	3	40	NE	0	0	360	5	5	2.80	3	0.121758E-03	0.706608E-04	0.839120E-05	0.309540E-05	0.	0.0					
113	0 113 5	0	-4	4	5.6	3	37	NE	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0					
113	0 113 6	0	-4	4	6.7	3	53	NE	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0					
113	0 113 7	0	-4	4	6.4	3	57	ENE	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0					

113	0	113 8	0	-4	4	6.5	3	44	NE	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
113	0	113 9	0	-4	4	5.9	3	49	NE	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
1131	0	11310	0	-4	4	5.4	3	24	NNE	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
1131	0	11311	0	-4	4	5.1	3	9	N	0	0	360	4	4	1.84	3	0.875033E-04	0.514931E-04	0.418013E-05	0.192564E-05	0.	0.0
1131	0	11312	0	-4	4	5.1	3	8	N	0	0	360	4	4	1.84	3	0.875033E-04	0.514931E-04	0.418013E-05	0.192564E-05	0.	0.0
1131	0	11313	0	-4	4	6.4	3	13	NNE	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
1131	0	11314	0	-3	4	11.2	4	360	N	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
1131	0	11315	0	-4	4	14.1	5	357	N	0	0	360	4	4	0.00	1	0.390291E-04	0.186252E-04	0.173267E-05	0.696509E-06	0.	0.0
1131	0	11316	0	-5	4	15.6	5	353	N	0	0	360	4	4	0.00	1	0.352763E-04	0.168343E-04	0.156607E-05	0.629537E-06	0.	0.0
1131	0	11317	0	-5	4	13.5	5	358	N	0	0	360	4	4	0.00	1	0.407637E-04	0.194530E-04	0.180968E-05	0.727465E-06	0.	0.0
1131	0	11318	0	-5	4	11.2	4	344	NNW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
1131	0	11319	0	-5	4	14.4	5	340	NNW	0	0	360	4	4	0.00	1	0.382160E-04	0.182371E-04	0.169657E-05	0.681998E-06	0.	0.0
1132	0	11320	0	-5	4	12.1	4	350	N	0	0	360	4	4	1.07	1	0.454802E-04	0.217037E-04	0.201906E-05	0.811634E-06	0.	0.0
1132	0	11321	0	-5	4	14.3	5	342	NNW	0	0	360	4	4	0.00	1	0.384832E-04	0.183647E-04	0.170843E-05	0.686768E-06	0.	0.0
1132	0	11322	0	-5	4	9.9	4	350	N	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
1132	0	11323	0	-5	4	9.0	4	334	NNW	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
1132	0	11324	0	-5	4	8.5	4	341	NNW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
114	0	114 1	0	-5	4	9.8	4	335	NNW	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0
114	0	114 2	0	-5	4	8.9	4	337	NNW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
114	0	114 3	0	-5	4	9.4	4	326	NW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
114	0	114 4	0	-5	4	8.7	4	329	NNW	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0
114	0	114 5	0	-5	4	8.0	4	331	NNW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
114	0	114 6	0	-5	4	6.9	3	326	NW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
114	0	114 7	0	-5	4	5.7	3	332	NNW	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
114	0	114 8	0	-5	4	7.0	3	330	NNW	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
114	0	114 9	0	-5	4	7.4	3	328	NNW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
1141	0	11410	0	-5	4	6.9	3	340	NNW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
1141	0	11411	0	-6	4	8.6	4	332	NNW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
1141	0	11412	0	-5	4	11.1	4	341	NNW	0	0	360	4	4	1.13	1	0.495775E-04	0.236590E-04	0.217994E-05	0.884755E-06	0.	0.0
1141	0	11413	0	-5	4	12.5	4	342	NNW	0	0	360	4	4	1.05	1	0.440248E-04	0.210092E-04	0.195445E-05	0.785662E-06	0.	0.0
1141	0	11414	0	-6	4	11.8	4	328	NNW	0	0	360	4	4	1.08	1	0.466364E-04	0.222555E-04	0.206730E-05	0.832269E-06	0.	0.0
1141	0	11415	0	-6	4	11.1	4	342	NNW	0	0	360	4	4	1.13	1	0.495775E-04	0.236590E-04	0.217994E-05	0.884755E-06	0.	0.0
1141	0	11416	0	-5	4	11.6	4	342	NNW	0	0	360	4	4	1.10	1	0.474405E-04	0.226392E-04	0.209824E-05	0.846619E-06	0.	0.0
1141	0	11417	0	-5	4	11.6	4	342	NNW	0	0	360	4	4	1.10	1	0.474405E-04	0.226392E-04	0.209824E-05	0.846619E-06	0.	0.0
1141	0	11418	0	-4	4	10.5	4	336	NNW	0	0	360	4	4	1.17	1	0.524105E-04	0.250109E-04	0.228711E-05	0.935312E-06	0.	0.0

YEA 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 13

E	0DATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ LE 8	XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	H2 TER	
1141	0	11419	0	-3	4	7.7	4	349	N	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0
1142	0	11420	0	-4	4	8.7	4	328	NNW	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0
1142	0	11421	0	-4	4	9.8	4	322	NW	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0
1142	0	11422	0	-4	4	7.0	3	336	NNW	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
1142	0	11423	0	-4	4	7.1	3	345	NNW	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
1142	0	11424	0	-3	4	6.7	3	356	N	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0
115	0	115 1	0	-3	4	4.7	3	347	NNW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
115	0	115 2	0	-3	4	5.0	3	4	N	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
115	0	115 3	0	-1	5	4.0	3	7	N	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
115	0	115 4	0	-1	5	4.5	3	354	N	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
115	0	115 5	0	0	5	3.5	2	18	NNE	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
115	0	115 6	0	0	5	4.7	3	7	N	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
115	0	115 7	0	9	6	3.2	2	6	N	0	0	360	6	6	4.00	3	0.281894E-03	0.166076E-03	0.287135E-04	0.743354E-05	0.	0.0
115	0	115 8	0	17	6	2.2	2	81	E	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
115	0	115 9	0	11	6	2.0	2	90	E	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
1151	0	11510	0	1	5	2.4	2	73	ENE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
1151	0	11511	0	-4	4	1.6	2	109	ESE	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0
1151	0	11512	0	-7	4	3.8	3	161	SSE	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
1151	0	11513	0	-7	4	4.0	3	194	SSW	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
1151	0	11514	0	-7	4	4.3	3	182	S	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
1151	0	11515	0	-8	3	5.6	3	188	S	0	0	360	3	3	0.00	1	0.457049E-04	0.332415E-04	0.110314E-05	0.663070E-06	0.	0.0
1151	0	11516	0	-7	4	5.8	3	181	S	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
1151	0	11517	0	-6	4	5.3	3	185	S	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
1151	0	11518	0	-4	4	5.3	3	173	S	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0

115	0	11519	0	-3	4	5.5	3	169	S	0	0	360	4	4	1.76	3	0.850982E-04	0.477482E-04	0.393225E-05	0.178560E-05	0.	0.0
115	0	11520	0	-2	5	4.0	3	171	S	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
115	0	11521	0	-1	5	3.3	2	178	S	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0
115	0	11522	0	-3	4	4.8	3	178	S	0	0	360	4	4	1.91	3	0.894834E-04	0.547114E-04	0.438889E-05	0.204599E-05	0.	0.0
115	0	11523	0	-3	4	5.8	3	178	S	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
115	0	11524	0	-4	4	6.2	3	181	S	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
116	0	116	1	0	-3	4	5.3	3	193	SSW	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
116	0	116	2	0	0	5	3.7	3	186	S	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
116	0	116	3	0	0	5	3.0	2	174	S	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
116	0	116	4	0	-1	5	4.1	3	206	SSW	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
116	0	116	5	0	-2	5	4.0	3	191	S	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
116	0	116	6	0	-3	4	5.9	3	198	SSW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
116	0	116	7	0	-3	4	3.8	3	187	S	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
116	0	116	8	0	-3	4	4.7	3	195	SSW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
116	0	116	9	0	-1	5	5.4	3	210	SSW	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
116	0	11610	0	1	5	5.8	3	224	SW	0	0	360	5	5	2.31	3	0.121758E-03	0.584779E-04	0.746982E-05	0.256171E-05	0.	0.0
116	0	11611	0	-7	4	6.2	3	222	SW	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
116	0	11612	0	-9	2	8.4	4	229	SW	0	0	360	2	2	0.00	1	0.146135E-04	0.148451E-04	0.134619E-06	0.111960E-06	0.	0.0
116	0	11613	0	-8	3	10.8	4	241	WSW	0	0	360	3	3	0.00	1	0.236988E-04	0.172363E-04	0.572000E-06	0.343814E-06	0.	0.0
116	0	11614	0	-7	4	8.9	4	238	WSW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
116	0	11615	0	-4	4	9.7	4	258	WSW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
116	0	11616	0	-4	4	14.5	5	289	WNW	0	0	360	4	4	0.00	1	0.379524E-04	0.181114E-04	0.168487E-05	0.677295E-06	0.	0.0
116	0	11617	0	-4	4	15.0	5	302	WNW	0	0	360	4	4	0.00	1	0.366873E-04	0.175077E-04	0.162871E-05	0.654718E-06	0.	0.0
116	0	11618	0	-4	4	15.0	5	316	NW	0	0	360	4	4	0.00	1	0.366873E-04	0.175077E-04	0.162871E-05	0.654718E-06	0.	0.0
116	0	11619	0	-4	4	13.5	5	312	NW	0	0	360	4	4	0.00	1	0.407637E-04	0.194530E-04	0.180968E-05	0.727465E-06	0.	0.0
116	0	11620	0	-4	4	15.7	5	338	NNW	0	0	360	4	4	0.00	1	0.350516E-04	0.167271E-04	0.155609E-05	0.625527E-06	0.	0.0
116	0	11621	0	-5	4	15.6	5	337	NNW	0	0	360	4	4	0.00	1	0.352763E-04	0.168343E-04	0.156607E-05	0.629537E-06	0.	0.0
116	0	11622	0	-5	4	14.7	5	340	NNW	0	0	360	4	4	0.00	1	0.374360E-04	0.178650E-04	0.166195E-05	0.668080E-06	0.	0.0
116	0	11623	0	-5	4	13.6	5	338	NNW	0	0	360	4	4	0.00	1	0.404640E-04	0.193099E-04	0.179637E-05	0.722116E-06	0.	0.0
116	0	11624	0	-5	4	13.9	5	333	NNW	0	0	360	4	4	0.00	1	0.395906E-04	0.188932E-04	0.175760E-05	0.706531E-06	0.	0.0
117	0	117	1	0	-5	4	13.8	5	339	NNW	0	0	360	4	4	0.00	1	0.398775E-04	0.190301E-04	0.177033E-05	0.711650E-06	0.	0.0

, YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04--- PAGE .14

E	ODATE			TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	S	XQ	GT	S	XQ(ELEV)	LE	S	XQ(ELV)	GT	S	H2	TER		
117	0	117	2	0	-5	4	12.4	4	326	NW	0	0	360	4	4	1.05	1	0.443798E-04			0.211786E-04		0.197021E-05			0.791998E-06			0.	0.0
117	0	117	3	0	-5	4	10.6	4	332	NNW	0	0	360	4	4	1.16	1	0.519160E-04			0.247750E-04		0.226850E-05			0.926488E-06			0.	0.0
117	0	117	4	0	-5	4	11.0	4	325	NW	0	0	360	4	4	1.13	1	0.500282E-04			0.238741E-04		0.219708E-05			0.892798E-06			0.	0.0
117	0	117	5	0	-5	4	13.3	5	336	NNW	0	0	360	4	4	1.01	1	0.413767E-04			0.197455E-04		0.183689E-05			0.738404E-06			0.	0.0
117	0	117	6	0	-5	4	13.4	5	338	NNW	0	0	360	4	4	1.00	1	0.410679E-04			0.195981E-04		0.182318E-05			0.732894E-06			0.	0.0
117	0	117	7	0	-5	4	13.5	5	338	NNW	0	0	360	4	4	0.00	1	0.407637E-04			0.194530E-04		0.180968E-05			0.727465E-06			0.	0.0
117	0	117	8	0	-5	4	14.4	5	340	NNW	0	0	360	4	4	0.00	1	0.382160E-04			0.182371E-04		0.169657E-05			0.681998E-06			0.	0.0
117	0	117	9	0	-5	4	15.5	5	340	NNW	0	0	360	4	4	0.00	1	0.355039E-04			0.169429E-04		0.157617E-05			0.633598E-06			0.	0.0
117	0	11710	0	-6	4	12.0	4	346	NNW	0	0	360	4	4	1.07	1	0.458592E-04			0.218846E-04		0.203588E-05			0.818398E-06			0.	0.0
117	0	11711	0	-7	4	12.1	4	358	N	0	0	360	4	4	1.07	1	0.454802E-04			0.217037E-04		0.201906E-05			0.811634E-06			0.	0.0
117	0	11712	0	-7	4	13.2	5	355	N	0	0	360	4	4	1.01	1	0.416901E-04			0.198951E-04		0.185080E-05			0.743998E-06			0.	0.0
117	0	11713	0	-7	4	15.2	5	349	N	0	0	360	4	4	0.00	1	0.362046E-04			0.172773E-04		0.160728E-05			0.646104E-06			0.	0.0
117	0	11714	0	-6	4	10.1	4	343	NNW	0	0	360	4	4	1.20	1	0.544861E-04			0.260015E-04		0.236484E-05			0.972354E-06			0.	0.0
117	0	11715	0	-6	4	12.6	5	352	N	0	0	360	4	4	1.04	1	0.436754E-04			0.208424E-04		0.193894E-05			0.779427E-06			0.	0.0
117	0	11716	0	-6	4	12.1	4	357	N	0	0	360	4	4	1.07	1	0.454802E-04			0.217037E-04		0.201906E-05			0.811634E-06			0.	0.0
117	0	11717	0	-6	4	12.5	4	352	N	0	0	360	4	4	1.05	1	0.440248E-04			0.210092E-04		0.195445E-05			0.785662E-06			0.	0.0
117	0	11718	0	-6	4	9.7	4	354	N	0	0	360	4	4	1.23	1	0.567330E-04			0.270737E-04		0.244824E-05			0.101245E-05			0.	0.0
117	0	11719	0	-5	4	11.5	4	349	N	0	0	360	4	4	1.10	1	0.478530E-04			0.228361E-04		0.211407E-05			0.853981E-06			0.	0.0
117	0	11720	0	-5	4	7.8	4	358	N	0	0	360	4	4	1.41	1	0.705525E-04			0.336686E-04		0.294566E-05			0.125907E-05			0.	0.0
117	0	11721	0	-5	4	7.2	3	0	N	0	0	0	4	4	1.48	1	0.764319E-04			0.364743E-04		0.314987E-05			0.136400E-05			0.	0.0
117	0	11722	0	-5	4	6.9	3	352	N	0	0	360	4	4	1.52	3	0.782652E-04			0.380601E-04		0.326350E-05			0.142330E-05			0.	0.0
117	0	11723	0	-4	4	5.8	3	354	N	0	0	360	4	4	1.70	3	0.834463E-04			0.452784E-04		0.376568E-05			0.169324E-05			0.	0.0
117	0	11724	0	-4	4	5.4	3	347	NNW	0	0	360	4	4	1.78	3	0.856765E-04			0.486324E-04		0.399127E-05			0.181866E-05			0.	0.0
118	0	118	1	0	-4	4	5.0	3	342	NNW	0	0	360	4	4	1.86	3	0.881452E-04			0.525230E-04		0.424735E-05			0.196416E-05			0.	0.0
118	0	118	2	0	-4	4	4.9	3	12	NNE	0	0	360	4	4	1.89	3	0.888050E-04			0.535949E-04		0.431690E-05			0.200424E-05			0.	0.0
118	0	118	3	0	-4	4	4.4	3	12	NNE	0	0	360	4	4	2.00	3	0.933788E-04			0.596852E-04		0.472038E-05			0.223199E-05			0.	0.0
118	0	118	4	0	-4	4	3.3	2	26	NNE	0	0	360	4	4	2.00	3	0.124505E-03			0.795803E-04		0.629384E-05			0.297599E-05			0.	0.0
118	0	118	5	0	-5	4	3.7	3	356	N	0	0	360	4	4	2.00	3	0.111045E-03			0.709770E-04		0.561342E-05			0.265426E-05			0.	0.0

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118      0 118 6 0   -5 4  3.6 3   44 NE    0    0  360  4  4 2.00 3  0.114130E-03  0.729486E-04  0.576935E-05  0.272799E-05  0.  0.0
118      0 118 7 0   -5 4  4.0 3   68 ENE   0    0  360  4  4 2.00 3  0.102717E-03  0.656537E-04  0.519242E-05  0.245519E-05  0.  0.0
118      0 118 8 0   -5 4  4.1 3   67 ENE   0    0  360  4  4 2.00 3  0.100211E-03  0.640524E-04  0.506577E-05  0.239531E-05  0.  0.0
118      0 118 9 0   -5 4  4.5 3   69 ENE   0    0  360  4  4 1.99 3  0.916406E-04  0.583589E-04  0.462100E-05  0.218239E-05  0.  0.0
118:     0 11810 0   -7 4  4.4 3   84  E    0    0  360  4  4 2.00 3  0.933788E-04  0.596852E-04  0.472038E-05  0.223199E-05  0.  0.0
118:     0 11811 0   -7 4  5.2 3   65 ENE   0    0  360  4  4 1.82 3  0.868784E-04  0.505029E-04  0.411512E-05  0.188861E-05  0.  0.0
118:     0 11812 0   -7 4  5.7 3   43 NE    0    0  360  4  4 1.72 3  0.839837E-04  0.460728E-04  0.381953E-05  0.172294E-05  0.  0.0
118:     0 11813 0   -6 4  5.2 3   35 NE    0    0  360  4  4 1.82 3  0.868784E-04  0.505029E-04  0.411512E-05  0.188861E-05  0.  0.0
118:     0 11814 0   -7 4  5.1 3   61 ENE   0    0  360  4  4 1.84 3  0.875033E-04  0.514931E-04  0.418013E-05  0.192564E-05  0.  0.0
118      0 11815 0   -6 4  3.5 2   38 NE    0    0  360  4  4 2.00 3  0.117390E-03  0.750328E-04  0.593419E-05  0.280594E-05  0.  0.0
118      0 11816 0   -7 4  4.7 3   54 NE    0    0  360  4  4 1.94 3  0.901815E-04  0.558755E-04  0.446348E-05  0.208953E-05  0.  0.0
118:     0 11817 0   -6 4  4.6 3   37 NE    0    0  360  4  4 1.97 3  0.909002E-04  0.570902E-04  0.454079E-05  0.213495E-05  0.  0.0
118:     0 11818 0   -6 4  4.9 3   30 NNE   0    0  360  4  4 1.89 3  0.888050E-04  0.535949E-04  0.431690E-05  0.200424E-05  0.  0.0
118      0 11819 0   -5 4  4.4 3   35 NE    0    0  360  4  4 2.00 3  0.933788E-04  0.596852E-04  0.472038E-05  0.223199E-05  0.  0.0
118      0 11820 0   -4 4  3.4 2   62 ENE   0    0  360  4  4 2.00 3  0.120843E-03  0.772397E-04  0.610873E-05  0.288846E-05  0.  0.0
118:     0 11821 0   -4 4  2.5 2   41 NE    0    0  360  4  4 2.00 3  0.164347E-03  0.105046E-03  0.830787E-05  0.392831E-05  0.  0.0
118:     0 11822 0   -1 5  2.0 2   61 ENE   0    0  360  5  5 3.00 3  0.272360E-03  0.169586E-03  0.195572E-04  0.742897E-05  0.  0.0
118:     0 11823 0    3 5  1.6 2   83  E    0    0  360  5  5 3.00 3  0.340450E-03  0.211982E-03  0.244465E-04  0.928621E-05  0.  0.0
118:     0 11824 0    1 5  1.9 2   63 ENE   0    0  360  5  5 3.00 3  0.286695E-03  0.178512E-03  0.205865E-04  0.781997E-05  0.  0.0
119      0 119 1 0   -1 5  2.2 2   73 ENE   0    0  360  5  5 3.00 3  0.247600E-03  0.154169E-03  0.177792E-04  0.675361E-05  0.  0.0
119      0 119 2 0   -3 4  2.0 2   49 NE    0    0  360  4  4 2.00 3  0.205433E-03  0.131307E-03  0.103848E-04  0.491039E-05  0.  0.0
119      0 119 3 0   -2 5  1.8 2   65 ENE   0    0  360  5  5 3.00 3  0.302623E-03  0.188429E-03  0.217302E-04  0.825441E-05  0.  0.0
119      0 119 4 0   -4 4  2.4 2   50 NE    0    0  360  4  4 2.00 3  0.171194E-03  0.109423E-03  0.865403E-05  0.409199E-05  0.  0.0
119      0 119 5 0   -4 4  1.9 2   71 ENE   0    0  360  4  4 2.00 3  0.216246E-03  0.138218E-03  0.109314E-04  0.516883E-05  0.  0.0
119      0 119 6 0   -4 4  1.9 2   63 ENE   0    0  360  4  4 2.00 3  0.216246E-03  0.138218E-03  0.109314E-04  0.516883E-05  0.  0.0
119      0 119 7 0   -5 4  1.1 2  153 SSE   0    0  360  4  4 2.00 3  0.373515E-03  0.238741E-03  0.188815E-04  0.892798E-05  0.  0.0
119      0 119 8 0   -5 4  1.2 2  184  S    0    0  360  4  4 2.00 3  0.342389E-03  0.218846E-03  0.173081E-04  0.818398E-05  0.  0.0
 YE:     1PPL YEAR 2000 DT 60-10A          8-NOV-04***
'E       0DATE      TEMP GP SPED GP  DIR  GP  RA  RB RANG IRY IRZ      XQ LE   8      XQ GT   8  XQ(ELEV) LE   8  XQ(ELV) GT   8  H2 TER
119      0 119 9 0   -4 4  1.6 2   65 ENE   0    0  360  4  4 2.00 3  0.256792E-03  0.164134E-03  0.129810E-04  0.613798E-05  0.  0.0
119:     0 11910 0   -5 4  2.3 2   70 ENE   0    0  360  4  4 2.00 3  0.178638E-03  0.114180E-03  0.903029E-05  0.426990E-05  0.  0.0
119:     0 11911 0   -7 4  3.0 2  238 WSW   0    0  360  4  4 2.00 3  0.136956E-03  0.875383E-04  0.692322E-05  0.327359E-05  0.  0.0
119:     0 11912 0   -4 4  2.9 2  188  S    0    0  360  4  4 2.00 3  0.141678E-03  0.905569E-04  0.716196E-05  0.338647E-05  0.  0.0
119:     0 11913 0   -5 4  2.5 2  107 ESE   0    0  360  4  4 2.00 3  0.164347E-03  0.105046E-03  0.830787E-05  0.392831E-05  0.  0.0
119:     0 11914 0   -6 4  4.0 3   88  E    0    0  360  4  4 2.00 3  0.102717E-03  0.656537E-04  0.519242E-05  0.245519E-05  0.  0.0
119:     0 11915 0   -7 4  6.4 3  309 NW    0    0  360  4  4 1.60 3  0.804687E-04  0.410336E-04  0.347326E-05  0.153450E-05  0.  0.0
119:     0 11916 0   -6 4  7.8 4  317 NW    0    0  360  4  4 1.41 1  0.705525E-04  0.336686E-04  0.294566E-05  0.125907E-05  0.  0.0
119:     0 11917 0   -5 4  7.1 3  302 WNW   0    0  360  4  4 1.49 3  0.774441E-04  0.369880E-04  0.318682E-05  0.138321E-05  0.  0.0
119      0 11918 0   -4 4  4.2 3  329 NNW   0    0  360  4  4 2.00 3  0.978254E-04  0.625274E-04  0.494516E-05  0.233828E-05  0.  0.0
119      0 11919 0   -4 4  2.3 2  130 SE    0    0  360  4  4 2.00 3  0.178638E-03  0.114180E-03  0.903029E-05  0.426990E-05  0.  0.0
119:     0 11920 0    0 5  1.7 2  128 SE    0    0  360  5  5 3.00 3  0.320424E-03  0.199513E-03  0.230084E-04  0.873997E-05  0.  0.0
119:     0 11921 0    4 5  1.0 2   79  E    0    0  360  5  5 3.00 3  0.544721E-03  0.339172E-03  0.391144E-04  0.148579E-04  0.  0.0
119:     0 11922 0    1 5  2.1 2   44 NE    0    0  360  5  5 3.00 3  0.259391E-03  0.161510E-03  0.186259E-04  0.707521E-05  0.  0.0
119:     0 11923 0    3 5  1.4 2  117 ESE   0    0  360  5  5 3.00 3  0.389086E-03  0.242266E-03  0.279388E-04  0.106128E-04  0.  0.0
119:     0 11924 0    3 5  1.4 2   90  E    0    0  360  5  5 3.00 3  0.389086E-03  0.242266E-03  0.279388E-04  0.106128E-04  0.  0.0
120      0 120 1 0    4 5  1.4 2   79  E    0    0  360  5  5 3.00 3  0.389086E-03  0.242266E-03  0.279388E-04  0.106128E-04  0.  0.0
120      0 120 2 0   12 6  1.4 2   81  E    0    0  360  6  6 4.00 3  0.644329E-03  0.379602E-03  0.656310E-04  0.169909E-04  0.  0.0
120      0 120 3 0   13 6  1.8 2   76 ENE   0    0  360  6  6 4.00 3  0.501145E-03  0.295246E-03  0.510463E-04  0.132152E-04  0.  0.0
120      0 120 4 0   10 6  1.9 2   63 ENE   0    0  360  6  6 4.00 3  0.474769E-03  0.279707E-03  0.483597E-04  0.125196E-04  0.  0.0
120      0 120 5 0    2 5  2.8 2   49 NE    0    0  360  5  5 3.00 3  0.194543E-03  0.121133E-03  0.139694E-04  0.530641E-05  0.  0.0
120      0 120 6 0    0 5  3.0 2   27 NNE   0    0  360  5  5 3.00 3  0.181574E-03  0.113057E-03  0.130381E-04  0.495265E-05  0.  0.0
120      0 120 7 0   -3 4  2.8 2   78 ENE   0    0  360  4  4 2.00 3  0.146738E-03  0.937910E-04  0.741774E-05  0.350742E-05  0.  0.0
120      0 120 8 0   -3 4  3.7 3   89  E    0    0  360  4  4 2.00 3  0.111045E-03  0.709770E-04  0.561342E-05  0.265426E-05  0.  0.0
120      0 120 9 0   -3 4  5.0 3   88  E    0    0  360  4  4 1.86 3  0.881452E-04  0.525230E-04  0.424735E-05  0.196416E-05  0.  0.0
120:     0 12010 0   -4 4  5.2 3   94  E    0    0  360  4  4 1.82 3  0.868784E-04  0.505029E-04  0.411512E-05  0.188861E-05  0.  0.0
120:     0 12011 0   -4 4  6.4 3   94  E    0    0  360  4  4 1.60 3  0.804687E-04  0.410336E-04  0.347326E-05  0.153450E-05  0.  0.0
120:     0 12012 0   -5 4  7.5 3  111 ESE   0    0  360  4  4 1.44 1  0.733746E-04  0.350153E-04  0.304420E-05  0.130944E-05  0.  0.0
120:     0 12013 0   -5 4  6.2 3  111 ESE   0    0  360  4  4 1.63 3  0.814172E-04  0.423572E-04  0.356530E-05  0.158400E-05  0.  0.0
120:     0 12014 0   -5 4  4.0 3   79  E    0    0  360  4  4 2.00 3  0.102717E-03  0.656537E-04  0.519242E-05  0.245519E-05  0.  0.0
120.     0 12015 0   -6 4  3.3 2   61 ENE   0    0  360  4  4 2.00 3  0.124505E-03  0.795803E-04  0.629384E-05  0.297599E 05  0.  0.0
120:     0 12016 0   -4 4  2.2 2   39 NE    0    0  360  4  4 2.00 3  0.186758E-03  0.119370E-03  0.944076E-05  0.446399E-05  0.  0.0
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120	0	12017	0	-4	4	1.8	2	254	WSW	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
120	0	12018	0	-4	4	1.0	2	154	SSE	0	0	360	4	4	2.00	3	0.410867E-03	0.262615E-03	0.207697E-04	0.982078E-05	0.	0.0
120	0	12019	0	-2	5	1.7	2	80	E	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
120	0	12020	0	-3	4	6.2	3	316	NW	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
120	0	12021	0	-4	4	7.6	4	342	NNW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
120	0	12022	0	-4	4	10.7	4	336	NNW	0	0	360	4	4	1.15	1	0.514308E-04	0.245434E-04	0.225020E-05	0.917829E-06	0.	0.0
120	0	12023	0	-4	4	12.0	4	342	NNW	0	0	360	4	4	1.07	1	0.458592E-04	0.218846E-04	0.203588E-05	0.818398E-06	0.	0.0
120	0	12024	0	-4	4	10.8	4	329	NNW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
121	0	121 1	0	-4	4	8.5	4	329	NNW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
121	0	121 2	0	-4	4	7.3	3	324	NW	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0
121	0	121 3	0	-4	4	9.9	4	314	NW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
121	0	121 4	0	-4	4	8.8	4	325	NW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0
121	0	121 5	0	-4	4	7.8	4	332	NNW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
121	0	121 6	0	-4	4	9.8	4	323	NW	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0
121	0	121 7	0	-4	4	7.2	3	324	NW	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
121	0	121 8	0	-3	4	8.1	4	322	NW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
121	0	121 9	0	-3	4	7.1	3	324	NW	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
121	0	12110	0	-4	4	7.3	3	321	NW	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0
121	0	12111	0	-4	4	10.0	4	335	NNW	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0
121	0	12112	0	-4	4	8.4	4	337	NNW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
121	0	12113	0	-5	4	10.2	4	317	NW	0	0	360	4	4	1.19	1	0.539519E-04	0.257466E-04	0.234490E-05	0.962821E-06	0.	0.0
121	0	12114	0	-4	4	12.1	4	336	NNW	0	0	360	4	4	1.07	1	0.454802E-04	0.217037E-04	0.201906E-05	0.811634E-06	0.	0.0
121	0	12115	0	-4	4	14.8	5	322	NW	0	0	360	4	4	0.00	1	0.371831E-04	0.177442E-04	0.165072E-05	0.663566E-06	0.	0.0
L YE	1PPL	YEAR	2000	DT	60-10A					8-NOV-04•••										PAGE	16	
TE	0DATE		TEMP	GP	SPED	GP		DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE 8	XQ GT 8	XQ(ELEV)	LE 8 XQ(ELV)	GT 8	H2 TER
121	0	12116	0	-5	4	13.2	5	331	NNW	0	0	360	4	4	1.01	1	0.416901E-04	0.198951E-04	0.185080E-05	0.743998E-06	0.	0.0
121	0	12117	0	-5	4	12.0	4	341	NNW	0	0	360	4	4	1.07	1	0.458592E-04	0.218846E-04	0.203588E-05	0.818398E-06	0.	0.0
121	0	12118	0	-4	4	10.8	4	334	NNW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
121	0	12119	0	-4	4	12.4	4	324	NW	0	0	360	4	4	1.05	1	0.443798E-04	0.211786E-04	0.197021E-05	0.791998E-06	0.	0.0
121	0	12120	0	-4	4	9.6	4	333	NNW	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
121	0	12121	0	-4	4	9.3	4	321	NW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0
121	0	12122	0	-4	4	8.2	4	324	NW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
121	0	12123	0	-4	4	8.4	4	322	NW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
121	0	12124	0	-4	4	8.4	4	320	NW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
122	0	122 1	0	-4	4	8.1	4	318	NW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
122	0	122 2	0	-4	4	7.0	3	308	NW	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
122	0	122 3	0	-4	4	8.5	4	306	NW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
122	0	122 4	0	-4	4	7.8	4	302	WNW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
122	0	122 5	0	-4	4	8.9	4	298	WNW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
122	0	122 6	0	-3	4	3.1	2	177	S	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
122	0	122 7	0	-3	4	2.4	2	134	SE	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0
122	0	122 8	0	-3	5	3.5	2	144	SE	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
122	0	122 9	0	-3	4	3.0	2	132	SE	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
122	0	12210	0	-6	4	3.4	2	265	W	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
122	0	12211	0	-6	4	6.0	3	280	W	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
122	0	12212	0	-7	4	7.1	3	285	WNW	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
122	0	12213	0	-7	4	8.0	4	282	WNW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
122	0	12214	0	-9	2	9.2	4	254	WSW	0	0	360	2	2	0.00	1	0.133427E-04	0.135542E-04	0.122913E-06	0.102224E-06	0.	0.0
122	0	12215	0	-10	1	12.0	4	238	WSW	0	0	360	1	1	0.00	1	0.339987E-05	0.470590E-05	0.702632E-07	0.783718E-07	0.	0.0
122	0	12216	0	-9	2	12.1	4	229	SW	0	0	360	2	2	0.00	1	0.101449E-04	0.103057E-04	0.934545E-07	0.777241E-07	0.	0.0
122	0	12217	0	-9	2	8.7	4	236	SW	0	0	360	2	2	0.00	1	0.141095E-04	0.143332E-04	0.129977E-06	0.108099E-06	0.	0.0
122	0	12218	0	-5	4	6.8	3	227	SW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
122	0	12219	0	-3	4	2.5	2	172	S	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
122	0	12220	0	-3	4	2.0	2	128	SE	0	0	360	4	4	2.00	3	0.205433E-03	0.131307E-03	0.103848E-04	0.491039E-05	0.	0.0
122	0	12221	0	1	5	1.8	2	76	ENE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
122	0	12222	0	1	5	2.1	2	60	ENE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
122	0	12223	0	1	5	2.4	2	61	ENE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
122	0	12224	0	0	5	2.3	2	71	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
123	0	123 1	0	-1	5	2.3	2	52	NE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
123	0	123 2	0	0	5	2.6	2	61	ENE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
123	0	123 3	0	-1	5	3.0	2	47	NE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0

12:	0 123 4	0	4	5	1.5	2	84	E	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
12:	0 123 5	0	1	5	2.0	2	155	SSE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
12:	0 123 6	0	0	5	1.8	2	120	ESE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
12:	0 123 7	0	-3	4	2.6	2	156	SSE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
12:	0 123 8	0	-3	4	2.6	2	139	SE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
12:	0 123 9	0	-4	4	3.7	3	154	SSE	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
12:	0 12310	0	-5	4	4.0	3	158	SSE	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
12:	0 12311	0	-6	4	4.2	3	180	S	0	0	360	4	4	2.00	3	0.978254E-04	0.625274E-04	0.494516E-05	0.233828E-05	0.	0.0
12:	0 12312	0	-7	4	5.8	3	192	SSW	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
12:	0 12313	0	-8	3	5.9	3	191	S	0	0	360	3	3	0.00	1	0.433809E-04	0.315512E-04	0.104705E-05	0.629355E-06	0.	0.0
12:	0 12314	0	-8	3	5.8	3	182	S	0	0	360	3	3	0.00	1	0.441289E-04	0.320952E-04	0.106510E-05	0.640206E-06	0.	0.0
12:	0 12315	0	-9	2	6.0	3	196	SSW	0	0	360	2	2	0.00	1	0.204588E-04	0.207832E-04	0.188467E-06	0.156744E-06	0.	0.0
12:	0 12316	0	-7	4	5.3	3	197	SSW	0	0	360	4.	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
12:	0 12317	0	-6	4	4.4	3	175	S	0	0	360	4	4	2.00	3	0.933788E-04	0.596852E-04	0.472038E-05	0.223199E-05	0.	0.0
12:	0 12318	0	-6	4	5.0	3	146	SE	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
12:	0 12319	0	-5	4	4.3	3	150	SSE	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
12:	0 12320	0	-5	4	4.0	3	152	SSE	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
12:	0 12321	0	-4	4	3.8	3	159	SSE	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
12:	0 12322	0	-5	4	3.6	3	151	SSE	0	0	360	4	4	2.00	3	0.114130E-03	0.729486E-04	0.576935E-05	0.272799E-05	0.	0.0
L YI	1PPL YEAR 2000 DT 60-10A								8-NOV-04•••										PAGE 17		
TE	ODATE	TEMP	GP	SPED	GP		DIR	GP	RA	RB	RANG	IRY	IRZ		XQ LE	8 XQ GT	8 XQ(ELEV) LE	8 XQ(ELV) GT	8 H2 TER		
12:	0 12323	0	-4	4	2.4	2	164	SSE	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0
12:	0 12324	0	-4	4	1.7	2	114	ESE	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0
12	0 124 1	0	-4	4	1.6	2	37	NE	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0
12	0 124 2	0	-4	4	1.7	2	64	ENE	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0
12	0 124 3	0	-4	4	1.1	2	102	ESE	0	0	360	4	4	2.00	3	0.373515E-03	0.238741E-03	0.188815E-04	0.892798E-05	0.	0.0
12	0 124 4	0	-4	4	1.1	2	54	NE	0	0	360	4	4	2.00	3	0.373515E-03	0.238741E-03	0.188815E-04	0.892798E-05	0.	0.0
12	0 124 5	0	-4	4	1.7	2	70	ENE	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0
12	0 124 6	0	-4	4	3.5	2	353	N	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0
12	0 124 7	0	-4	4	2.2	2	70	ENE	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0
12	0 124 8	0	-4	4	1.7	2	106	ESE	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0
12	0 124 9	0	-4	4	1.5	2	35	NE	0	0	360	4	4	2.00	3	0.273911E-03	0.175077E-03	0.138464E-04	0.654718E-05	0.	0.0
12	0 12410	0	-5	4	1.8	2	1	N	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
12	0 12411	0	-5	4	1.4	2	337	NNW	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
12	0 12412	0	-7	4	3.4	2	211	SSW	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
12	0 12413	0	-8	3	4.7	3	217	SW	0	0	360	3	3	0.00	1	0.544569E-04	0.396068E-04	0.131438E-05	0.790041E-06	0.	0.0
12	0 12414	0	-7	4	3.7	3	281	W	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
12	0 12415	0	-6	4	5.3	3	274	W	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
12	0 12416	0	-6	4	4.5	3	237	WSW	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
12	0 12417	0	-8	3	5.1	3	195	SSW	0	0	360	3	3	0.00	1	0.501858E-04	0.365004E-04	0.121129E-05	0.728077E-06	0.	0.0
12	0 12418	0	-4	4	2.4	2	316	NW	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0
12	0 12419	0	0	5	1.5	2	138	SE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
12	0 12420	0	12	6	2.0	2	67	ENE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
12	0 12421	0	18	6	2.6	2	66	ENE	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0
12	0 12422	0	23	6	3.4	2	66	ENE	0	0	360	6	6	4.00	3	0.265312E-03	0.156307E-03	0.270245E-04	0.699627E-05	0.	0.0
12	0 12423	0	13	6	2.9	2	62	ENE	0	0	360	6	6	4.00	3	0.311055E-03	0.183256E-03	0.316839E-04	0.820253E-05	0.	0.0
12	0 12424	0	21	6	3.0	2	49	NE	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
12!	0 125 1	0	10	6	2.9	2	72	ENE	0	0	360	6	6	4.00	3	0.311055E-03	0.183256E-03	0.316839E-04	0.820253E-05	0.	0.0
12!	0 125 2	0	3	5	5.0	3	46	NE	0	0	360	5	5	2.68	3	0.121758E-03	0.678344E-04	0.818918E-05	0.297159E-05	0.	0.0
12!	0 125 3	0	-3	4	5.7	3	29	NNE	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
12!	0 125 4	0	-4	4	6.3	3	31	NNE	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
12!	0 125 5	0	-4	4	5.4	3	48	NE	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
12!	0 125 6	0	-4	4	6.3	3	43	NE	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
12!	0 125 7	0	-4	4	8.6	4	36	NE	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
12!	0 125 8	0	-4	4	8.2	4	37	NE	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
12!	0 125 9	0	-5	4	7.3	3	42	NE	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0
12!	0 12510	0	-4	4	5.7	3	43	NE	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
12!	0 12511	0	-4	4	6.3	3	28	NNE	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
12!	0 12512	0	-4	4	8.6	4	24	NNE	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
12!	0 12513	0	-5	4	5.7	3	24	NNE	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
12!	0 12514	0	-5	4	6.7	3	32	NNE	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0

125	0	12515	0	-4	4	5.0	3	15	NNE	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
125	0	12516	0	-4	4	4.9	3	4	N	0	0	360	4	4	1.89	3	0.888050E-04	0.535949E-04	0.431690E-05	0.200424E-05	0.	0.0
125	0	12517	0	-4	4	10.5	4	354	N	0	0	360	4	4	1.17	1	0.524105E-04	0.250109E-04	0.228711E-05	0.935312E-06	0.	0.0
125	0	12518	0	-4	4	8.7	4	355	N	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0
125	0	12519	0	-4	4	9.9	4	354	N	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
125	0	12520	0	-3	4	7.9	4	354	N	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
125	0	12521	0	-4	4	7.1	3	350	N	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
125	0	12522	0	-4	4	7.9	4	345	NNW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
125	0	12523	0	-4	4	8.5	4	339	NNW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
125	0	12524	0	-4	4	8.7	4	347	NNW	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0
126	0	126 1	0	-4	4	8.4	4	337	NNW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
126	0	126 2	0	-4	4	9.2	4	333	NNW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
126	0	126 3	0	-4	4	8.3	4	334	NNW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
126	0	126 4	0	-4	4	8.1	4	322	NW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
126	0	126 5	0	-4	4	8.3	4	318	NW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0

L YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 18

TE	0DATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(KLV)	GT	8	H2	TER
126	0 126 6	0	-4	4	8.8	4	316	NW	0	0	360	4	4	1.31	1	0.625352E-04		0.298426E-04		0.266023E-05		0.111600E-05	0.	0.0
126	0 126 7	0	-4	4	7.7	4	320	NW	0	0	360	4	4	1.42	1	0.714688E-04		0.341058E-04		0.297776E-05		0.127543E-05	0.	0.0
126	0 126 8	0	-4	4	6.5	3	323	NW	0	0	360	4	4	1.58	3	0.800095E-04		0.404023E-04		0.342908E-05		0.151089E-05	0.	0.0
126	0 126 9	0	-4	4	3.8	3	284	WNW	0	0	360	4	4	2.00	3	0.108123E-03		0.691092E-04		0.546570E-05		0.258441E-05	0.	0.0
126	0 12610	0	-5	4	6.2	3	247	WSW	0	0	360	4	4	1.63	3	0.814172E-04		0.423572E-04		0.356530E-05		0.158400E-05	0.	0.0
126	0 12611	0	-5	4	8.1	4	246	WSW	0	0	360	4	4	1.38	1	0.679395E-04		0.324216E-04		0.285354E-05		0.121244E-05	0.	0.0
126	0 12612	0	-5	4	6.3	3	303	WNW	0	0	360	4	4	1.61	3	0.809378E-04		0.416849E-04		0.351865E-05		0.155885E-05	0.	0.0
126	0 12613	0	-5	4	8.1	4	325	NW	0	0	360	4	4	1.38	1	0.679395E-04		0.324216E-04		0.285354E-05		0.121244E-05	0.	0.0
126	0 12614	0	-5	4	11.2	4	334	NNW	0	0	360	4	4	1.12	1	0.491348E-04		0.234478E-04		0.216308E-05		0.876855E-06	0.	0.0
126	0 12615	0	-5	4	11.7	4	347	NNW	0	0	360	4	4	1.09	1	0.470350E-04		0.224457E-04		0.208265E-05		0.839383E-06	0.	0.0
126	0 12616	0	-4	4	11.4	4	343	NNW	0	0	360	4	4	1.11	1	0.482728E-04		0.230364E-04		0.213015E-05		0.861472E-06	0.	0.0
126	0 12617	0	-4	4	9.5	4	348	NNW	0	0	360	4	4	1.24	1	0.579274E-04		0.276437E-04		0.249227E-05		0.103377E-05	0.	0.0
126	0 12618	0	-4	4	9.1	4	351	N	0	0	360	4	4	1.28	1	0.604736E-04		0.288588E-04		0.258545E-05		0.107921E-05	0.	0.0
126	0 12619	0	-4	4	8.7	4	355	N	0	0	360	4	4	1.31	1	0.632540E-04		0.301856E-04		0.268616E-05		0.112882E-05	0.	0.0
126	0 12620	0	-4	4	8.5	4	359	N	0	0	360	4	4	1.33	1	0.647423E-04		0.308959E-04		0.273964E-05		0.115539E-05	0.	0.0
126	0 12621	0	-4	4	9.2	4	343	NNW	0	0	360	4	4	1.27	1	0.598163E-04		0.285451E-04		0.256148E-05		0.106748E-05	0.	0.0
126	0 12622	0	-4	4	6.9	3	351	N	0	0	360	4	4	1.52	3	0.782652E-04		0.380601E-04		0.326350E-05		0.142330E-05	0.	0.0
126	0 12623	0	-4	4	8.1	4	337	NNW	0	0	360	4	4	1.38	1	0.679395E-04		0.324216E-04		0.285354E-05		0.121244E-05	0.	0.0
126	0 12624	0	-4	4	6.8	3	339	NNW	0	0	360	4	4	1.54	3	0.786880E-04		0.386198E-04		0.330331E-05		0.144423E-05	0.	0.0
127	0 127 1	0	-4	4	6.9	3	336	NNW	0	0	360	4	4	1.52	3	0.782652E-04		0.380601E-04		0.326350E-05		0.142330E-05	0.	0.0
127	0 127 2	0	-4	4	7.6	4	337	NNW	0	0	360	4	4	1.43	1	0.724092E-04		0.345546E-04		0.301060E-05		0.129221E-05	0.	0.0
127	0 127 3	0	-4	4	7.8	4	343	NNW	0	0	360	4	4	1.41	1	0.705525E-04		0.336686E-04		0.294566E-05		0.125907E-05	0.	0.0
127	0 127 4	0	-4	4	8.1	4	341	NNW	0	0	360	4	4	1.38	1	0.679395E-04		0.324216E-04		0.285354E-05		0.121244E-05	0.	0.0
127	0 127 5	0	-4	4	9.0	4	337	NNW	0	0	360	4	4	1.29	1	0.611455E-04		0.291794E-04		0.260988E-05		0.109120E-05	0.	0.0
127	0 127 6	0	-4	4	8.8	4	344	NNW	0	0	360	4	4	1.31	1	0.625352E-04		0.298426E-04		0.266023E-05		0.111600E-05	0.	0.0
127	0 127 7	0	-4	4	8.6	4	348	NNW	0	0	360	4	4	1.32	1	0.639895E-04		0.305366E-04		0.271263E-05		0.114195E-05	0.	0.0
127	0 127 8	0	-4	4	7.9	4	345	NNW	0	0	360	4	4	1.40	1	0.696595E-04		0.332424E-04		0.291427E-05		0.124314E-05	0.	0.0
127	0 127 9	0	-4	4	6.2	3	346	NNW	0	0	360	4	4	1.63	3	0.814172E-04		0.423572E-04		0.356530E-05		0.158400E-05	0.	0.0
127	0 12710	0	-4	4	6.6	3	327	NNW	0	0	360	4	4	1.56	3	0.795599E-04		0.397901E-04		0.338605E-05		0.148800E-05	0.	0.0
127	0 12711	0	-5	4	10.1	4	326	NW	0	0	360	4	4	1.20	1	0.544861E-04		0.260015E-04		0.236484E-05		0.972354E-06	0.	0.0
127	0 12712	0	-4	4	10.4	4	335	NNW	0	0	360	4	4	1.17	1	0.529144E-04		0.252514E-04		0.230604E-05		0.944305E-06	0.	0.0
127	0 12713	0	-4	4	11.3	4	331	NNW	0	0	360	4	4	1.11	1	0.487000E-04		0.232403E-04		0.214649E-05		0.869095E-06	0.	0.0
127	0 12714	0	-4	4	11.3	4	325	NW	0	0	360	4	4	1.11	1	0.487000E-04		0.232403E-04		0.214649E-05		0.869095E-06	0.	0.0
127	0 12715	0	-5	4	10.8	4	322	NW	0	0	360	4	4	1.15	1	0.509546E-04		0.243162E-04		0.223220E-05		0.909331E-06	0.	0.0
127	0 12716	0	-4	4	10.7	4	320	NW	0	0	360	4	4	1.15	1	0.514308E-04		0.245434E-04		0.225020E-05		0.917829E-06	0.	0.0
127	0 12717	0	-5	4	12.9	5	321	NW	0	0	360	4	4	1.03	1	0.426597E-04		0.203577E-04		0.189385E-05		0.761300E-06	0.	0.0
127	0 12718	0	-4	4	11.4	4	324	NW	0	0	360	4	4	1.11	1	0.482728E-04		0.230364E-04		0.213015E-05		0.861472E-06	0.	0.0
127	0 12719	0	-4	4	10.0	4	327	NNW	0	0	360	4	4	1.20	1	0.550310E-04		0.262615E-04		0.238513E-05		0.982078E-06	0.	0.0
127	0 12720	0	-4	4	10.5	4	320	NW	0	0	360	4	4	1.17	1	0.524105E-04		0.250109E-04		0.228711E-05		0.935312E-06	0.	0.0
127	0 12721	0	-4	4	11.8	4	313	NW	0	0	360	4	4	1.08	1	0.466364E-04		0.222555E-04		0.206730E-05		0.832269E-06	0.	0.0
127	0 12722	0	-4	4	9.3	4	328	NNW	0	0	360	4	4	1.26	1	0.591731E-04		0.282382E-04		0.253797E-05		0.105600E-05	0.	0.0
127	0 12723	0	-4	4	7.9	4	322	NW	0	0	360	4	4	1.40	1	0.696595E-04		0.332424E-04		0.291427E-05		0.124314E-05	0.	0.0
127	0 12724	0	-4	4	8.5	4	320	NW	0	0	360	4	4	1.33	1	0.647423E-04		0.308959E-04		0.273964E-05		0.115539E-05	0.	0.0
128	0 128 1	0	-4	4	8.4	4	320	NW	0	0	360	4	4	1.34	1	0.655131E-04		0.312637E-04		0.276722E-05		0.116914E-05	0.	0.0

128	0	128	2	0	-4	4	8.9	4	317	NW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
128	0	128	3	0	-4	4	8.2	4	319	NW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
128	0	128	4	0	-2	5	6.6	3	330	NNW	0	0	360	5	5	2.03	3	0.121758E-03	0.513897E-04	0.686663E-05	0.225120E-05	0.	0.0
128	0	128	5	0	-3	4	7.9	4	326	NW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
128	0	128	6	0	-3	4	2.5	2	330	NNW	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
128	0	128	7	0	0	5	5.4	3	339	NNW	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
128	0	128	8	0	1	5	4.4	3	354	N	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
128	0	128	9	0	-1	5	6.2	3	335	NNW	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0
1281	0	12810	0		-4	4	7.1	3	334	NNW	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
1281	0	12811	0		-5	4	6.1	3	334	NNW	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
1281	0	12812	0		-5	4	8.8	4	333	NNW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0

YEA 1PPL YEAR 2000 DT 60 10A 8-NOV-04••• PAGE 19

E	ODATE			TEMP	GP	SPED	GP	DTR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
1281	0	12813	0	-5	4	7.7	4	325	NW	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0							
1281	0	12814	0	-5	4	9.5	4	316	NW	0	0	360	4	4	1.24	1	0.579274E-04	0.276437E-04	0.249227E-05	0.103377E-05	0.	0.0							
1281	0	12815	0	-5	4	9.4	4	314	NW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0							
1281	0	12816	0	-5	4	8.9	4	318	NW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0							
1281	0	12817	0	-5	4	9.0	4	326	NW	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0							
1281	0	12818	0	-3	4	7.5	3	341	NNW	0	0	360	4	4	1.44	1	0.733746E-04	0.350153E-04	0.304420E-05	0.130944E-05	0.	0.0							
1281	0	12819	0	-3	4	5.4	3	340	NNW	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0							
1282	0	12820	0	0	5	2.4	2	318	NW	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0							
1282	0	12821	0	3	5	2.8	2	354	N	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0							
1282	0	12822	0	12	6	3.3	2	11	N	0	0	360	6	6	4.00	3	0.273352E-03	0.161043E-03	0.278434E-04	0.720828E-05	0.	0.0							
1282	0	12823	0	38	7	2.3	2	48	NE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0							
1282	0	12824	0	42	7	2.7	2	38	NE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0							
129	0	129	1	0	43	7	2.1	2	161	SSE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0						
129	0	129	2	0	36	7	1.7	2	94	E	0	0	360	7	7	6.00	3	0.832304E-03	0.485004E-03	0.974245E-04	0.173540E-04	0.	0.0						
129	0	129	3	0	35	7	2.2	2	62	ENE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0						
129	0	129	4	0	40	7	2.4	2	65	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0						
129	0	129	5	0	40	7	2.0	2	73	ENE	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0						
129	0	129	6	0	49	7	2.0	2	92	E	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0						
129	0	129	7	0	35	7	1.7	2	105	ESE	0	0	360	7	7	6.00	3	0.832304E-03	0.485004E-03	0.974245E-04	0.173540E-04	0.	0.0						
129	0	129	8	0	29	7	2.1	2	61	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0						
129	0	129	9	0	34	7	1.8	2	98	E	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0						
1291	0	12910	0	38	7	1.9	2	89	E	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0							
1291	0	12911	0	23	6	1.9	2	88	E	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0							
1291	0	12912	0	-3	4	2.9	2	163	SSE	0	0	360	4	4	2.00	3	0.141678E-03	0.905569E-04	0.716196E-05	0.338647E-05	0.	0.0							
1291	0	12913	0	-5	4	2.9	2	211	SSW	0	0	360	4	4	2.00	3	0.141678E-03	0.905569E-04	0.716196E-05	0.338647E-05	0.	0.0							
1291	0	12914	0	-7	4	4.0	3	210	SSW	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0							
1291	0	12915	0	-7	4	6.4	3	229	SW	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0							
1291	0	12916	0	-6	4	5.6	3	242	WSW	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0							
1291	0	12917	0	-6	4	3.2	2	216	SW	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0							
1291	0	12918	0	-3	4	2.6	2	220	SW	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0							
1291	0	12919	0	2	5	2.4	2	310	NW	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0							
129:	0	12920	0	17	6	2.6	2	66	ENE	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0							
129:	0	12921	0	18	6	1.7	2	89	E	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0							
129:	0	12922	0	24	7	2.5	2	58	ENE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0							
129:	0	12923	0	39	7	3.2	2	69	ENE	0	0	360	7	7	6.00	3	0.442162E-03	0.257658E-03	0.517568E-04	0.921931E-05	0.	0.0							
129:	0	12924	0	35	7	2.8	2	74	ENE	0	0	360	7	7	6.00	3	0.505328E-03	0.294467E-03	0.591506E-04	0.105364E-04	0.	0.0							
130	0	130	1	0	46	7	3.1	2	74	ENE	0	0	360	7	7	6.00	3	0.456425E-03	0.265970E-03	0.534264E-04	0.951671E-05	0.	0.0						
130	0	130	2	0	42	7	4.3	3	73	ENE	0	0	360	7	7	6.00	3	0.329050E-03	0.191746E-03	0.385167E-04	0.686088E-05	0.	0.0						
130	0	130	3	0	39	7	4.0	3	75	ENE	0	0	360	7	7	6.00	3	0.353729E-03	0.206127E-03	0.414054E-04	0.737545E-05	0.	0.0						
130	0	130	4	0	37	7	2.7	2	91	E	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0						
130	0	130	5	0	27	7	3.0	2	75	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0						
130	0	130	6	0	22	6	3.4	2	76	ENE	0	0	360	6	6	4.00	3	0.265312E-03	0.156307E-03	0.270245E-04	0.699627E-05	0.	0.0						
130	0	130	7	0	17	6	3.6	3	75	ENE	0	0	360	6	6	4.00	3	0.250572E-03	0.147623E-03	0.255231E-04	0.660759E-05	0.	0.0						
130	0	130	8	0	15	6	3.1	2	74	ENE	0	0	360	6	6	4.00	3	0.290987E-03	0.171433E-03	0.296398E-04	0.767333E-05	0.	0.0						
130	0	130	9	0	6	5	4.0	3	64	ENE	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0						
130:	0	13010	0	-1	5	3.4	2	57	ENE	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0							
130:	0	13011	0	-1	5	3.2	2	65	ENE	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0							
130:	0	13012	0	1	5	2.6	2	78	ENE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0							

1301	0	13013	0	9	6	2.7	2	64	ENE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
1301	0	13014	0	0	5	2.7	2	37	NE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1301	0	13015	0	0	5	2.7	2	9	N	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1301	0	13016	0	0	5	1.8	2	157	SSE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
1301	0	13017	0	-3	4	4.2	3	162	SSE	0	0	360	4	4	2.00	3	0.978254E-04	0.625274E-04	0.494516E-05	0.233828E-05	0.	0.0
1301	0	13018	0	-4	4	2.9	2	131	SE	0	0	360	4	4	2.00	3	0.141678E-03	0.905569E-04	0.716196E-05	0.338647E-05	0.	0.0
1301	0	13019	0	-3	4	2.3	2	89	E	0	0	360	4	4	2.00	3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0
YE/	1PPL	YEAR	2000	DT	60-10A					8-NOV-04•••										PAGE		20
E	0DATE		TEMP	GP	SPED	GP		DIR	GP	RA	RB	RANG	IRY	TRZ		XQ	LE 8	XQ GT 8	XQ(ELEV)	LE 8 XQ(ELV)	GT 8	H2 TER
1302	0	13020	0	-3	4	3.5	2	40	NE	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0
1302	0	13021	0	-3	4	3.5	2	13	NNE	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0
1302	0	13022	0	-3	4	1.4	2	4	N	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
1302	0	13023	0	-2	5	1.4	2	18	NNE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
1302	0	13024	0	-1	5	1.5	2	100	E	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
131	0	131 1	0	-2	5	1.3	2	48	NE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
131	0	131 2	0	-2	5	2.3	2	333	NNW	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
131	0	131 3	0	-3	4	2.4	2	207	SSW	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0
131	0	131 4	0	-4	4	2.7	2	196	SSW	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
131	0	131 5	0	-4	4	2.5	2	216	SW	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
131	0	131 6	0	-4	4	2.9	2	223	SW	0	0	360	4	4	2.00	3	0.141678E-03	0.905569E-04	0.716196E-05	0.338647E-05	0.	0.0
131	0	131 7	0	-4	4	6.2	3	222	SW	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
131	0	131 8	0	-4	4	5.4	3	218	SW	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
131	0	131 9	0	-4	4	6.7	3	226	SW	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0
1311	0	13110	0	-4	4	8.7	4	227	SW	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0
1311	0	13111	0	-4	4	10.0	4	229	SW	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0
1311	0	13112	0	-3	4	13.4	5	241	WSW	0	0	360	4	4	1.00	1	0.410679E-04	0.195981E-04	0.182318E-05	0.732894E-06	0.	0.0
1311	0	13113	0	-3	4	14.8	5	245	WSW	0	0	360	4	4	0.00	1	0.371831E-04	0.177442E-04	0.165072E-05	0.663566E-06	0.	0.0
1311	0	13114	0	-3	4	13.6	5	244	WSW	0	0	360	4	4	0.00	1	0.404640E-04	0.193099E-04	0.179637E-05	0.722116E-06	0.	0.0
1311	0	13115	0	-4	4	14.2	5	240	WSW	0	0	360	4	4	0.00	1	0.387542E-04	0.184940E-04	0.172047E-05	0.691604E-06	0.	0.0
1311	0	13116	0	-4	4	13.1	5	244	WSW	0	0	360	4	4	1.02	1	0.420084E-04	0.200469E-04	0.186493E-05	0.749677E-06	0.	0.0
1311	0	13117	0	-4	4	13.0	5	243	WSW	0	0	360	4	4	1.02	1	0.423315E-04	0.202011E-04	0.187928E-05	0.755444E-06	0.	0.0
1311	0	13118	0	-3	4	9.9	4	241	WSW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
1311	0	13119	0	-2	5	7.2	3	232	SW	0	0	360	5	5	1.86	1	0.114585E-03	0.471072E-04	0.647452E-05	0.206360E-05	0.	0.0
1312	0	13120	0	-1	5	6.9	3	223	SW	0	0	360	5	5	1.95	1	0.119567E-03	0.491554E-04	0.666481E-05	0.215333E-05	0.	0.0
1312	0	13121	0	0	5	4.6	3	205	SSW	0	0	360	5	5	2.92	3	0.121758E-03	0.737330E-04	0.860344E-05	0.322999E-05	0.	0.0
1312	0	13122	0	4	5	3.7	3	195	SSW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
1312	0	13123	0	6	5	6.1	3	219	SW	0	0	360	5	5	2.20	3	0.121758E-03	0.556020E-04	0.723160E-05	0.243573E-05	0.	0.0
1312	0	13124	0	5	5	5.1	3	212	SSW	0	0	360	5	5	2.63	3	0.121758E-03	0.665043E-04	0.809177E-05	0.291332E-05	0.	0.0
2 1	0	2 1 1	0	1	5	5.8	3	208	SSW	0	0	360	5	5	2.31	3	0.121758E-03	0.584779E-04	0.746982E-05	0.256171E-05	0.	0.0
2 1	0	2 1 2	0	1	5	4.7	3	199	SSW	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
2 1	0	2 1 3	0	4	5	3.4	2	194	SSW	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
2 1	0	2 1 4	0	9	6	2.8	2	189	S	0	0	360	6	6	4.00	3	0.322165E-03	0.189801E-03	0.328155E-04	0.849547E-05	0.	0.0
2 1	0	2 1 5	0	7	5	3.3	2	211	SSW	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0
2 1	0	2 1 6	0	8	6	2.8	2	199	SSW	0	0	360	6	6	4.00	3	0.322165E-03	0.189801E-03	0.328155E-04	0.849547E-05	0.	0.0
2 1	0	2 1 7	0	5	5	1.9	2	163	SSE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
2 1	0	2 1 8	0	4	5	2.2	2	164	SSE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
2 1	0	2 1 9	0	2	5	3.6	3	189	S	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
2 1:	0	2 110	0	-3	4	7.6	4	218	SW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
2 1:	0	2 111	0	-5	4	12.3	4	236	SW	0	0	360	4	4	1.06	1	0.447406E-04	0.213508E-04	0.198623E-05	0.798437E-06	0.	0.0
2 1:	0	2 112	0	-5	4	12.7	5	246	WSW	0	0	360	4	4	1.04	1	0.433315E-04	0.206783E-04	0.192367E-05	0.773289E-06	0.	0.0
2 1:	0	2 113	0	-6	4	11.5	4	238	WSW	0	0	360	4	4	1.10	1	0.478530E-04	0.228361E-04	0.211407E-05	0.853981E-06	0.	0.0
2 1:	0	2 114	0	-4	4	14.3	5	249	WSW	0	0	360	4	4	0.00	1	0.384832E-04	0.183647E-04	0.170843E-05	0.686768E-06	0.	0.0
2 1:	0	2 115	0	-5	4	13.3	5	248	WSW	0	0	360	4	4	1.01	1	0.413767E-04	0.197455E-04	0.183689E-05	0.738404E-06	0.	0.0
2 1:	0	2 116	0	-4	4	12.8	5	251	WSW	0	0	360	4	4	1.03	1	0.429930E-04	0.205168E-04	0.190864E-05	0.767248E-06	0.	0.0
2 1:	0	2 117	0	-5	4	12.5	4	238	WSW	0	0	360	4	4	1.05	1	0.440248E-04	0.210092E-04	0.195445E-05	0.785662E-06	0.	0.0
2 1:	0	2 118	0	-4	4	11.4	4	239	WSW	0	0	360	4	4	1.11	1	0.482728E-04	0.230364E-04	0.213015E-05	0.861472E-06	0.	0.0
2 1:	0	2 119	0	-3	4	11.2	4	234	SW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
2 1:	0	2 120	0	-3	4	10.3	4	235	SW	0	0	360	4	4	1.18	1	0.534281E-04	0.254966E-04	0.232530E-05	0.953473E-06	0.	0.0
2 1:	0	2 121	0	-3	4	9.5	4	238	WSW	0	0	360	4	4	1.24	1	0.579274E-04	0.276437E-04	0.249227E-05	0.103377E-05	0.	0.0
2 1:	0	2 122	0	-3	4	8.3	4	260	W	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
2 1:	0	2 123	0	-4	4	10.0	4	296	WNW	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0

2 12	0	2	124	0	-4	4	10.9	4	282	WNW	0	0	360	4	4	1.14	1	0.504871E-04	0.240931E-04	0.221449E-05	0.900989E-06	0.	0.0
2 2	0	2	2	1	0	-4	4	12.8	5	310	NW	0	0	360	4	4	1.03	1	0.429930E-04	0.205168E-04	0.190864E-05	0.767248E-06	0.	0.0
2 2	0	2	2	2	0	-3	4	8.1	4	279	W	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0

YEA 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 21

E.	ODATE.				TKMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
2 2	0	2	2	3	0	-4	4	7.3	3	298	WNW	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0
2 2	0	2	2	4	0	-3	4	6.1	3	265	W	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
2 2	0	2	2	5	0	-3	4	5.2	3	283	WNW	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
2 2	0	2	2	6	0	-3	4	7.4	3	306	NW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
2 2	0	2	2	7	0	-3	4	8.5	4	317	NW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
2 2	0	2	2	8	0	-4	4	10.6	4	311	NW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
2 2	0	2	2	9	0	-4	4	11.0	4	313	NW	0	0	360	4	4	1.13	1	0.500282E-04	0.238741E-04	0.219708E-05	0.892798E-06	0.	0.0
2 21	0	2	210	0	-4	4	12.6	5	312	NW	0	0	360	4	4	1.04	1	0.436754E-04	0.208424E-04	0.193894E-05	0.779427E-06	0.	0.0
2 21	0	2	211	0	-4	4	13.2	5	314	NW	0	0	360	4	4	1.01	1	0.416901E-04	0.198951E-04	0.185080E-05	0.743998E-06	0.	0.0
2 21	0	2	212	0	-4	4	13.1	5	317	NW	0	0	360	4	4	1.02	1	0.420084E-04	0.200469E-04	0.186493E-05	0.749677E-06	0.	0.0
2 21	0	2	213	0	-4	4	13.1	5	312	NW	0	0	360	4	4	1.02	1	0.420084E-04	0.200469E-04	0.186493E-05	0.749677E-06	0.	0.0
2 21	0	2	214	0	-4	4	10.8	4	308	NW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
2 21	0	2	215	0	-4	4	11.1	4	309	NW	0	0	360	4	4	1.13	1	0.495775E-04	0.236590E-04	0.217994E-05	0.884755E-06	0.	0.0
2 21	0	2	216	0	-4	4	12.7	5	313	NW	0	0	360	4	4	1.04	1	0.433315E-04	0.206783E-04	0.192367E-05	0.773289E-06	0.	0.0
2 21	0	2	217	0	-4	4	11.7	4	312	NW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
2 21	0	2	218	0	-4	4	10.6	4	314	NW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
2 21	0	2	219	0	-1	5	6.2	3	339	NNW	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0
2 22	0	2	220	0	-2	5	8.0	4	330	NNW	0	0	360	5	5	1.68	1	0.103127E-03	0.423965E-04	0.601644E-05	0.185724E-05	0.	0.0
2 22	0	2	221	0	-1	5	8.1	4	342	NNW	0	0	360	5	5	1.66	1	0.101853E-03	0.418731E-04	0.596370E-05	0.183431E-05	0.	0.0
2 22	0	2	222	0	6	5	2.3	2	71	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 22	0	2	223	0	17	6	1.4	2	73	ENE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
2 22	0	2	224	0	24	7	1.9	2	145	SE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
2 3	0	2	3	1	0	22	6	1.8	2	86	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
2 3	0	2	3	2	0	25	7	1.6	2	54	NE	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0
2 3	0	2	3	3	0	42	7	2.1	2	67	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
2 3	0	2	3	4	0	35	7	2.1	2	62	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
2 3	0	2	3	5	0	29	7	1.7	2	73	ENE	0	0	360	7	7	6.00	3	0.832304E-03	0.485004E-03	0.974245E-04	0.173540E-04	0.	0.0
2 3	0	2	3	6	0	27	7	2.0	2	68	ENE	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
2 3	0	2	3	7	0	26	7	3.0	2	75	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
2 3	0	2	3	8	0	25	7	3.0	2	73	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
2 3	0	2	3	9	0	26	7	3.4	2	60	ENE	0	0	360	7	7	6.00	3	0.416152E-03	0.242502E-03	0.487123E-04	0.867700E-05	0.	0.0
2 31	0	2	310	0	17	6	3.4	2	68	ENE	0	0	360	6	6	4.00	3	0.265312E-03	0.156307E-03	0.270245E-04	0.699627E-05	0.	0.0
2 31	0	2	311	0	10	6	2.0	2	97	E	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
2 31	0	2	312	0	6	5	2.1	2	74	ENE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 31	0	2	313	0	7	5	2.3	2	104	ESE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 31	0	2	314	0	4	5	2.7	2	149	SSE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
2 31	0	2	315	0	-3	4	3.9	3	174	S	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
2 31	0	2	316	0	-6	4	4.8	3	159	SSE	0	0	360	4	4	1.91	3	0.894834E-04	0.547114E-04	0.438889E-05	0.204599E-05	0.	0.0
2 31	0	2	317	0	-5	4	3.0	2	152	SSE	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
2 31	0	2	318	0	-4	4	2.8	2	173	S	0	0	360	4	4	2.00	3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0
2 31	0	2	319	0	-4	4	1.4	2	141	SE	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
2 32	0	2	320	0	-3	4	1.1	2	97	E	0	0	360	4	4	2.00	3	0.373515E-03	0.238741E-03	0.188815E-04	0.892798E-05	0.	0.0
2 32	0	2	321	0	-3	4	1.0	2	46	NE	0	0	360	4	4	2.00	3	0.410867E-03	0.262615E-03	0.207697E-04	0.982078E-05	0.	0.0
2 32	0	2	322	0	-2	5	1.3	2	72	ENE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
2 32	0	2	323	0	-1	5	1.4	2	49	NE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 32	0	2	324	0	2	5	1.3	2	93	E	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
2 4	0	2	4	1	0	3	5	1.5	2	95	E	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
2 4	0	2	4	2	0	3	5	1.3	2	117	ESE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
2 4	0	2	4	3	0	0	5	1.3	2	67	ENE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
2 4	0	2	4	4	0	0	5	1.4	2	63	ENE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 4	0	2	4	5	0	0	5	1.4	2	104	ESE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 4	0	2	4	6	0	0	5	1.7	2	61	ENE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
2 4	0	2	4	7	0	0	5	2.1	2	65	ENE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 4	0	2	4	8	0	0	5	2.0	2	71	ENE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
2 4	0	2	4	9	0	-1	5	1.7	2	83	E	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0

YEA 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 22

TE	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER		
2 4	0 2 410	0	-1	5	2.4	2	44	NE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0						
2 4.	0 2 411	0	-4	4	2.8	2	234	SW	0	0	360	4	4	2.00	3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0						
2 4.	0 2 412	0	-4	4	3.1	2	186	S	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0						
2 4.	0 2 413	0	-4	4	1.7	2	342	NNW	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0						
2 4.	0 2 414	0	-4	4	1.4	2	224	SW	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0						
2 4	0 2 415	0	-5	4	1.7	2	183	S	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0						
2 4	0 2 416	0	-5	4	2.2	2	125	SE	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0						
2 4.	0 2 417	0	-4	4	2.0	2	150	SSE	0	0	360	4	4	2.00	3	0.205433E-03	0.131307E-03	0.103848E-04	0.491039E-05	0.	0.0						
2 4	0 2 418	0	-4	4	2.0	2	161	SSE	0	0	360	4	4	2.00	3	0.205433E-03	0.131307E-03	0.103848E-04	0.491039E-05	0.	0.0						
2 4	0 2 419	0	-3	4	2.5	2	223	SW	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0						
2 4	0 2 420	0	-3	4	1.2	2	149	SSE	0	0	360	4	4	2.00	3	0.342389E-03	0.218846E-03	0.173081E-04	0.818398E-05	0.	0.0						
2 4	0 2 421	0	-1	5	2.2	2	208	SSW	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0						
2 4	0 2 422	0	-1	5	1.7	2	186	S	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0						
2 4	0 2 423	0	-1	5	1.0	2	44	NE	0	0	360	5	5	3.00	3	0.544721E-03	0.339172E-03	0.391144E-04	0.148579E-04	0.	0.0						
2 4	0 2 424	0	-1	5	1.5	2	196	SSW	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0						
2 5	0 2 5 1	0	-3	4	2.8	2	230	SW	0	0	360	4	4	2.00	3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0						
2 5	0 2 5 2	0	-1	5	4.1	3	358	N	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0						
2 5	0 2 5 3	0	-3	4	4.5	3	356	N	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0						
2 5	0 2 5 4	0	-4	4	5.6	3	3	N	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0						
2 5	0 2 5 5	0	-4	4	6.1	3	10	N	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0						
2 5	0 2 5 6	0	-4	4	7.6	4	341	NNW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0						
2 5	0 2 5 7	0	-3	4	7.7	4	353	N	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0						
2 5	0 2 5 8	0	-1	5	4.7	3	332	NNW	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0						
2 5	0 2 5 9	0	-2	5	4.0	3	292	WNW	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0						
2 5	0 2 510	0	-4	4	6.6	3	285	WNW	0	0	360	4	4	1.56	3	0.795599E-04	0.397901E-04	0.338605E-05	0.148800E-05	0.	0.0						
2 5	0 2 511	0	-5	4	9.0	4	272	W	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0						
2 5	0 2 512	0	-7	4	9.7	4	252	WSW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0						
2 5.	0 2 513	0	-7	4	11.2	4	236	SW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0						
2 5.	0 2 514	0	-7	4	11.2	4	237	WSW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0						
2 5	0 2 515	0	-6	4	15.0	5	234	SW	0	0	360	4	4	0.00	1	0.366873E-04	0.175077E-04	0.162871E-05	0.654718E-06	0.	0.0						
2 5	0 2 516	0	-6	4	13.4	5	232	SW	0	0	360	4	4	1.00	1	0.410679E-04	0.195981E-04	0.182318E-05	0.732894E-06	0.	0.0						
2 5	0 2 517	0	-6	4	14.4	5	234	SW	0	0	360	4	4	0.00	1	0.382160E-04	0.182371E-04	0.169657E-05	0.681998E-06	0.	0.0						
2 5	0 2 518	0	-4	4	14.6	5	236	SW	0	0	360	4	4	0.00	1	0.376925E-04	0.179873E-04	0.167333E-05	0.672656E-06	0.	0.0						
2 5	0 2 519	0	-3	4	11.4	4	234	SW	0	0	360	4	4	1.11	1	0.482728E-04	0.230364E-04	0.213015E-05	0.861472E-06	0.	0.0						
2 5	0 2 520	0	-1	5	8.2	4	223	SW	0	0	360	5	5	1.64	1	0.100611E-03	0.413624E-04	0.591187E-05	0.181194E-05	0.	0.0						
2 5	0 2 521	0	3	5	5.3	3	216	SW	0	0	360	5	5	2.53	3	0.121758E-03	0.639947E-04	0.790374E-05	0.280339E-05	0.	0.0						
2 5	0 2 522	0	2	5	4.7	3	216	SW	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0						
2 5	0 2 523	0	-1	5	7.3	3	222	SW	0	0	360	5	5	1.84	1	0.113015E-03	0.464619E-04	0.641348E-05	0.203533E-05	0.	0.0						
2 5	0 2 524	0	-2	5	9.1	4	224	SW	0	0	360	5	5	1.47	1	0.906607E-04	0.372716E-04	0.548303E-05	0.163274E-05	0.	0.0						
2 6	0 2 6 1	0	-3	4	8.3	4	227	SW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0						
2 6	0 2 6 2	0	-3	4	8.5	4	250	WSW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0						
2 6	0 2 6 3	0	-4	4	10.2	4	264	W	0	0	360	4	4	1.19	1	0.539519E-04	0.257466E-04	0.234490E-05	0.962821E-06	0.	0.0						
2 6	0 2 6 4	0	-3	4	8.8	4	248	WSW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0						
2 6	0 2 6 5	0	-3	4	7.3	3	322	NW	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0						
2 6	0 2 6 6	0	-3	4	8.0	4	345	NNW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0						
2 6	0 2 6 7	0	-3	4	7.0	3	337	NNW	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0						
2 6	0 2 6 8	0	-3	4	7.6	4	324	NW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0						
2 6	0 2 6 9	0	-3	4	8.4	4	320	NW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0						
2 6	0 2 610	0	-4	4	9.4	4	323	NW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0						
2 6	0 2 611	0	-4	4	7.9	4	311	NW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0						
2 6	0 2 612	0	-5	4	8.4	4	310	NW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0						
2 6	0 2 613	0	-5	4	8.4	4	285	WNW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0						
2 6	0 2 614	0	-7	4	8.4	4	239	WSW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0						
2 6	0 2 615	0	-7	4	11.7	4	231	SW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0						
2 6	0 2 616	0	-7	4	11.4	4	227	SW	0	0	360	4	4	1.11	1	0.482728E-04	0.230364E-04	0.213015E-05	0.861472E-06	0.	0.0						

. YE 1PFL YEAR 2000 DT 60-10A 8-NOV-04*** PAGE 23

TE	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER		
2 6.	0 2 617	0	-6	4	10.6	4	226	SW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0						
2 6.	0 2 618	0	-4	4	6.9	3	213	SSW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0						
2 6	0 2 619	0	1	5	4.6	3	212	SSW	0	0	360	5	5	2.92	3	0.121758E-03	0.737330E-04	0.860344E-05	0.322999E-05	0.	0.0						

2 6	0 2 620 0	10 6	2.3 2	181	S	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
2 6	0 2 621 0	12 6	3.0 2	198	SSW	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
2 6	0 2 622 0	10 6	3.2 2	205	SSW	0	0	360	6	6	4.00	3	0.281894E-03	0.166076E-03	0.287135E-04	0.743354E-05	0.	0.0
2 6	0 2 623 0	18 6	2.6 2	194	SSW	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0
2 6	0 2 624 0	20 6	3.4 2	211	SSW	0	0	360	6	6	4.00	3	0.265312E-03	0.156307E-03	0.270245E-04	0.699627E-05	0.	0.0
2 7	0 2 7 1 0	22 6	2.1 2	167	SSE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
2 7	0 2 7 2 0	19 6	2.4 2	168	SSE	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
2 7	0 2 7 3 0	24 7	2.0 2	170	S	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
2 7	0 2 7 4 0	23 6	2.7 2	203	SSW	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
2 7	0 2 7 5 0	9 6	3.6 3	193	SSW	0	0	360	6	6	4.00	3	0.250572E-03	0.147623E-03	0.255231E-04	0.660759E-05	0.	0.0
2 7	0 2 7 6 0	9 6	2.8 2	186	S	0	0	360	6	6	4.00	3	0.322165E-03	0.189801E-03	0.328155E-04	0.849547E-05	0.	0.0
2 7	0 2 7 7 0	7 5	4.4 3	199	SSW	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
2 7	0 2 7 8 0	10 6	3.7 3	193	SSW	0	0	360	6	6	4.00	3	0.243800E-03	0.143633E-03	0.248333E-04	0.642901E-05	0.	0.0
2 7	0 2 7 9 0	11 6	3.5 2	186	S	0	0	360	6	6	4.00	3	0.257732E-03	0.151841E-03	0.262524E-04	0.679638E-05	0.	0.0
2 7	0 2 710 0	5 5	3.3 2	176	S	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0
2 7	0 2 711 0	-1 5	4.7 3	215	SW	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
2 7	0 2 712 0	-5 4	8.4 4	245	WSW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
2 7	0 2 713 0	-5 4	11.4 4	254	WSW	0	0	360	4	4	1.11	1	0.482728E-04	0.230364E-04	0.213015E-05	0.861472E-06	0.	0.0
2 7	0 2 714 0	-5 4	10.6 4	256	WSW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
2 7	0 2 715 0	-6 4	10.8 4	252	WSW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
2 7	0 2 716 0	-5 4	9.2 4	244	WSW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
2 7	0 2 717 0	-4 4	9.5 4	274	W	0	0	360	4	4	1.24	1	0.579274E-04	0.276437E-04	0.249227E-05	0.103377E-05	0.	0.0
2 7	0 2 718 0	-4 4	8.2 4	329	NNW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
2 7	0 2 719 0	-4 4	10.7 4	344	NNW	0	0	360	4	4	1.15	1	0.514308E-04	0.245434E-04	0.225020E-05	0.917829E-06	0.	0.0
2 7	0 2 720 0	-3 4	9.3 4	348	NNW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0
2 7	0 2 721 0	-3 4	7.8 4	1	N	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
2 7	0 2 722 0	-3 4	9.6 4	354	N	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
2 7	0 2 723 0	-4 4	9.4 4	358	N	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
2 7	0 2 724 0	-3 4	8.0 4	3	N	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
2 8	0 2 8 1 0	-3 4	5.7 3	16	NNE	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
2 8	0 2 8 2 0	-3 4	3.4 2	26	NNE	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
2 8	0 2 8 3 0	0 5	3.2 2	49	NE	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
2 8	0 2 8 4 0	16 6	1.9 2	81	E	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
2 8	0 2 8 5 0	23 6	1.9 2	78	ENE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
2 8	0 2 8 6 0	17 6	2.1 2	62	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
2 8	0 2 8 7 0	32 7	2.7 2	76	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0
2 8	0 2 8 8 0	37 7	2.4 2	84	E	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
2 8	0 2 8 9 0	30 7	2.5 2	65	ENE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0
2 8	0 2 810 0	8 6	2.2 2	104	ESE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
2 8	0 2 811 0	0 5	1.8 2	92	E	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
2 8	0 2 812 0	-7 4	3.0 2	102	ESE	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
2 8	0 2 813 0	-6 4	2.6 2	14	NNE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
2 8	0 2 814 0	-6 4	3.4 2	210	SSW	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
2 8	0 2 815 0	-4 4	2.7 2	232	SW	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
2 8	0 2 816 0	-8 3	5.0 3	220	SW	0	0	360	3	3	0.00	1	0.511895E-04	0.372304E-04	0.123552E-05	0.742639E-06	0.	0.0
2 8	0 2 817 0	-9 2	6.0 3	206	SSW	0	0	360	2	2	0.00	1	0.204588E-04	0.207832E-04	0.188467E-06	0.156744E-06	0.	0.0
2 8	0 2 818 0	-6 4	5.0 3	209	SSW	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
2 8	0 2 819 0	0 5	2.6 2	186	S	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
2 8	0 2 820 0	3 5	4.0 3	187	S	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
2 8	0 2 821 0	4 5	4.4 3	196	SSW	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
2 8	0 2 822 0	6 5	3.4 2	180	S	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
2 8	0 2 823 0	21 6	2.3 2	141	SE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0

L YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 24

TE	0DATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRV	IRZ	XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
2 8	0 2 824 0	28 7	2.6 2	162	SSE	0	0	360	7	7	6.00	3	0.544199E-03	0.317118E-03	0.637007E-04	0.113468E-04	0.	0.0
2 9	0 2 9 1 0	31 7	2.7 2	143	SE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0
2 9	0 2 9 2 0	37 7	1.8 2	60	ENE	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0
2 9	0 2 9 3 0	54 7	1.4 2	67	ENE	0	0	360	7	7	6.00	3	0.101066E-02	0.588933E-03	0.118301E-03	0.210727E-04	0.	0.0
2 9	0 2 9 4 0	39 7	1.7 2	40	NE	0	0	360	7	7	6.00	3	0.832304E-03	0.485004E-03	0.974245E-04	0.173540E-04	0.	0.0
2 9	0 2 9 5 0	54 7	1.5 2	182	S	0	0	360	7	7	6.00	3	0.943278E-03	0.549671E-03	0.110414E-03	0.196679E-04	0.	0.0
2 9	0 2 9 6 0	67 7	1.2 2	138	SE	0	0	360	7	7	6.00	3	0.117910E-02	0.687089E-03	0.138018E-03	0.245848E-04	0.	0.0

2 S	0 2 9 7 0	62 7	1.7 2	80	E	0	0	360	7	7	6.00	3	0.832304E-03	0.485004E-03	0.974245E-04	0.173540E-04	0.	0.0
2 S	0 2 9 8 0	49 7	1.4 2	64	ENE	0	0	360	7	7	6.00	3	0.101066E-02	0.588933E-03	0.118301E-03	0.210727E-04	0.	0.0
2 S	0 2 9 9 0	30 7	1.3 2	60	ENE	0	0	360	7	7	6.00	3	0.108840E-02	0.634236E-03	0.127401E-03	0.226937E-04	0.	0.0
2 S	0 2 910 0	8 6	1.8 2	117	ESE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
2 S	0 2 911 0	0 5	2.0 2	143	SE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
2 S	0 2 912 0	-3 4	1.5 2	89	E	0	0	360	4	4	2.00	3	0.273911E-03	0.175077E-03	0.138464E-04	0.654718E-05	0.	0.0
2 S	0 2 913 0	-3 4	2.4 2	98	E	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0
2 S	0 2 914 0	-8 3	4.8 3	209	SSW	0	0	360	3	3	0.00	1	0.533224E-04	0.387817E-04	0.128700E-05	0.773582E-06	0.	0.0
2 S	0 2 915 0	-8 3	5.3 3	215	SW	0	0	360	3	3	0.00	1	0.482920E-04	0.351230E-04	0.116559E-05	0.700602E-06	0.	0.0
2 S	0 2 916 0	-6 4	4.4 3	201	SSW	0	0	360	4	4	2.00	3	0.933788E-04	0.596852E-04	0.472038E-05	0.223199E-05	0.	0.0
2 S	0 2 917 0	0 5	3.7 3	195	SSW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
2 S	0 2 918 0	4 5	3.5 2	191	S	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
2 S	0 2 919 0	9 6	2.7 2	193	SSW	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
2 S	0 2 920 0	17 6	1.4 2	174	S	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
2 S	0 2 921 0	25 7	2.2 2	104	ESE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
2 S	0 2 922 0	24 7	1.6 2	70	ENE	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0
2 S	0 2 923 0	32 7	1.8 2	61	ENE	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0
2 S	0 2 924 0	33 7	2.2 2	60	ENE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
21(	0 210 1 0	31 7	2.1 2	74	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
21(	0 210 2 0	25 7	1.9 2	72	ENE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
21(	0 210 3 0	20 6	1.6 2	64	ENE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
21(	0 210 4 0	25 7	3.7 3	54	NE	0	0	360	7	7	6.00	3	0.382410E-03	0.222840E-03	0.447626E-04	0.797346E-05	0.	0.0
21(	0 210 5 0	35 7	3.0 2	78	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
21(	0 210 6 0	34 7	3.3 2	74	ENE	0	0	360	7	7	6.00	3	0.428763E-03	0.249850E-03	0.501884E-04	0.893994E-05	0.	0.0
21(	0 210 7 0	44 7	3.1 2	72	ENE	0	0	360	7	7	6.00	3	0.456425E-03	0.265970E-03	0.534264E-04	0.951671E-05	0.	0.0
21(	0 210 8 0	54 7	2.9 2	72	ENE	0	0	360	7	7	6.00	3	0.487902E-03	0.284313E-03	0.571109E-04	0.101730E-04	0.	0.0
21(	0 210 9 0	52 7	2.7 2	69	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0
21(	0 21010 0	41 7	3.8 3	74	ENE	0	0	360	7	7	6.00	3	0.372347E-03	0.216975E-03	0.435847E-04	0.776363E-05	0.	0.0
21(	0 21011 0	21 6	1.9 2	96	E	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
21(	0 21012 0	6 5	2.1 2	104	ESE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
21(	0 21013 0	-6 4	2.3 2	81	E	0	0	360	4	4	2.00	3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0
21(	0 21014 0	-4 4	3.3 2	16	NNE	0	0	360	4	4	2.00	3	0.124505E-03	0.795803E-04	0.629384E-05	0.297599E-05	0.	0.0
21(	0 21015 0	-4 4	2.6 2	46	NE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
21(	0 21016 0	-6 4	5.5 3	134	SE	0	0	360	4	4	1.76	3	0.850982E-04	0.477482E-04	0.393225E-05	0.178560E-05	0.	0.0
21(	0 21017 0	-4 4	4.6 3	147	SSE	0	0	360	4	4	1.97	3	0.909002E-04	0.570902E-04	0.454079E-05	0.213495E-05	0.	0.0
21(	0 21018 0	-3 4	3.5 2	170	S	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0
21(	0 21019 0	0 5	2.7 2	181	S	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
21(	0 21020 0	0 5	4.7 3	154	SSE	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
21(	0 21021 0	-2 5	3.1 2	156	SSE	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
21(	0 21022 0	-1 5	3.8 3	160	SSE	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
21(	0 21023 0	-1 5	5.5 3	157	SSE	0	0	360	5	5	2.44	3	0.121758E-03	0.616676E-04	0.772426E-05	0.270144E-05	0.	0.0
21(	0 21024 0	-1 5	7.0 3	141	SE	0	0	360	5	5	1.92	1	0.117859E-03	0.484531E-04	0.660015E-05	0.212256E-05	0.	0.0
211	0 211 1 0	-1 5	5.4 3	148	SSE	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
211	0 211 2 0	0 5	6.5 3	216	SW	0	0	360	5	5	2.06	3	0.121758E-03	0.521803E-04	0.693665E-05	0.228584E-05	0.	0.0
211	0 211 3 0	1 5	4.7 3	204	SSW	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
211	0 211 4 0	4 5	3.3 2	34	NE	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0
211	0 211 5 0	15 6	2.2 2	44	NE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
211	0 211 6 0	10 6	1.9 2	32	NNE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0

'L YF 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 25

TE	0DATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
211	0 211 7 0	18 6		1.9	2	54	NE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0					
211	0 211 8 0	17 6		2.0	2	31	NNE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0					
211	0 211 9 0	25 7		1.9	2	72	ENE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0					
211	0 21110 0	22 6		1.9	2	75	ENE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0					
211	0 21111 0	18 6		1.3	2	107	ESE	0	0	360	6	6	4.00	3	0.693893E-03	0.408802E-03	0.706795E-04	0.182979E-04	0.	0.0					
211	0 21112 0	10 6		1.6	2	181	S	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0					
211	0 21113 0	-2 5		1.4	2	121	ESE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0					
211	0 21114 0	-3 4		2.9	2	204	SSW	0	0	360	4	4	2.00	3	0.141678E-03	0.905569E-04	0.716196E-05	0.338647E-05	0.	0.0					
211	0 21115 0	-2 5		2.8	2	326	NW	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0					
211	0 21116 0	-4 4		10.1	4	8	N	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0					

'L YF 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 31

'E 0DATE TEMP GP SPED GP DIR GP RA RB RANG IRY IRZ XQ LE 8 XQ GT 8 XQ(ELEV) LE 8 XQ(ELV) GT 8 H2 TER
, YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 37

ECT.	0 DIRECTION	CENTERLINE XQ GROUND	CENTERLINE XQ ELEVATED	AVERAGE XQ GROUND	AVERAGE XQ ELEVATED
	N	0.532266E-05	0.305047E-06	0.303530E-05	0.118720E-06
I	NNE	0.103777E-04	0.730370E-06	0.628921E-05	0.254055E-06
I	NE	0.233946E-04	0.199165E-05	0.141377E-04	0.572201E-06
I	ENE	0.621669E-04	0.623732E-05	0.369324E-04	0.149796E-05
	E	0.294923E-04	0.270053E-05	0.177433E-04	0.735832E-06
I	ESE	0.120353E-04	0.972549E-06	0.737394E-05	0.300066E-06
:	SE	0.120058E-04	0.937959E-06	0.734660E-05	0.302023E-06
:	SSE	0.854132E-05	0.639906E-06	0.525340E-05	0.217411E-06
	S	0.113915E-04	0.848631E-06	0.697512E-05	0.288544E-06
:	SSW	0.100333E-04	0.711005E-06	0.615356E-05	0.250536E-06
:	SW	0.867991E-05	0.501137E-06	0.513929E-05	0.196132E-06
I	WSW	0.373585E-05	0.184981E-06	0.212646E-05	0.780072E-07
	W	0.235150E-05	0.127660E-06	0.132857E-05	0.504276E-07
I	WNW	0.186507E-05	0.946712E-07	0.103050E-05	0.390268E-07
I	NW	0.275293E-05	0.138051E-06	0.145531E-05	0.563071E-07
I	NNW	0.365361E-05	0.182892E-06	0.192701E-05	0.744381E-07

, YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 38

ECT.	0 DIRECTION	AVERAGE X/Q HOUR OF THE DAY 1 GROUND	1 ELEVATED	2 GROUND	2 ELEVATED	3 GROUND	3 ELEVATED
	N	0.311136E-05	0.128544E-06	0.264962E-05	0.108058E-06	0.139702E-05	0.537282E-07
I	NNE	0.918586E-05	0.377058E-06	0.863696E-05	0.361173E-06	0.698723E-05	0.299479E-06
I	NE	0.243731E-04	0.986770E-06	0.225026E-04	0.913658E-06	0.251233E-04	0.103605E-05
I	ENE	0.775957E-04	0.315377E-05	0.760861E-04	0.304639E-05	0.780260E-04	0.315177E-05
	E	0.272714E-04	0.112879E-05	0.349148E-04	0.142605E-05	0.327144E-04	0.138735E-05
I	ESE	0.561041E-05	0.247949E-06	0.115021E-04	0.472216E-06	0.609482E-05	0.240156E-06
:	SE	0.121689E-04	0.498891E-06	0.308598E-05	0.129736E-06	0.891677E-05	0.355413E-06
:	SSE	0.525351E-05	0.216534E-06	0.571941E-05	0.240080E-06	0.336238E-05	0.145708E-06
	S	0.982304E-05	0.422179E-06	0.875113E-05	0.373180E-06	0.859945E-05	0.366631E-06
:	SSW	0.487582E-05	0.199523E-06	0.788706E-05	0.346860E-06	0.889576E-05	0.368409E-06
:	SW	0.284742E-05	0.119592E-06	0.395919E-05	0.172088E-06	0.499434E-05	0.211489E-06
I	WSW	0.138417E-05	0.517625E-07	0.838788E-06	0.329307E-07	0.381007E-06	0.142482E-07
	W	0.152897E-05	0.665395E-07	0.868753E-06	0.324880E-07	0.127627E-05	0.491090E-07
I	WNW	0.118865E-05	0.478495E-07	0.956198E-06	0.376612E-07	0.677306E-06	0.262568E-07
I	NW	0.119902E-05	0.475938E-07	0.955092E-06	0.370668E-07	0.115655E-05	0.444880E-07
I	NNW	0.207369E-05	0.810199E-07	0.224876E-05	0.915423E-07	0.215100E-05	0.813821E-07

ECT.	0 DIRECTION	AVERAGE X/Q HOUR OF THE DAY 4 GROUND	4 ELEVATED	5 GROUND	5 ELEVATED	6 GROUND	6 ELEVATED
	N	0.276527E-05	0.106294E-06	0.192748E-05	0.762611E-07	0.205425E-05	0.853245E-07
I	NNE	0.429911E-05	0.183688E-06	0.562686E-05	0.242504E-06	0.655252E-05	0.277790E-06
I	NE	0.207791E-04	0.852629E-06	0.220524E-04	0.936665E-06	0.232034E-04	0.977237E-06
I	ENE	0.778382E-04	0.320271E-05	0.673162E-04	0.274779E-05	0.606977E-04	0.250416E-05
	E	0.281571E-04	0.117876E-05	0.345225E-04	0.143087E-05	0.348471E-04	0.145866E-05
I	ESE	0.118473E-04	0.502338E-06	0.144851E-04	0.618168E-06	0.800837E-05	0.332148E-06
:	SE	0.110284E-04	0.458446E-06	0.593212E-05	0.256599E-06	0.131580E-04	0.560704E-06
:	SSE	0.577214E-05	0.247384E-06	0.657640E-05	0.273496E-06	0.763356E-05	0.331612E-06
	S	0.605492E-05	0.267710E-06	0.926465E-05	0.391618E-06	0.836638E-05	0.352451E-06
:	SSW	0.850985E-05	0.365983E-06	0.671522E-05	0.275586E-06	0.695280E-05	0.306701E-06
:	SW	0.154569E-05	0.662494E-07	0.447259E-05	0.184848E-06	0.452116E-05	0.186394E-06
I	WSW	0.117281E-05	0.474721E-07	0.168141E-05	0.655786E-07	0.160994E-05	0.606769E-07
	W	0.999537E-06	0.392951E-07	0.253243E-05	0.106608E-06	0.801851E-06	0.326702E-07
I	WNW	0.129581E-05	0.494653E-07	0.875786E-06	0.364638E-07	0.451982E-06	0.169024E-07
I	NW	0.207090E-05	0.835250E-07	0.152642E-05	0.580889E-07	0.182414E-05	0.742464E-07
I	NNW	0.163675E-05	0.654084E-07	0.176757E-05	0.686796E-07	0.229958E-05	0.901763E-07

, YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 39

AVERAGE X/Q HOUR OF THE DAY

ECTI	0 DIRECTION	GROUND	ELEVATED	7 GROUND	ELEVATED	8 GROUND	ELEVATED	9
	N	0.296027E-05	0.124358E-06	0.307741E-05	0.126886E-06	0.247490E-05	0.100993E-06	
	NNE	0.894287E-05	0.363340E-06	0.595378E-05	0.255083E-06	0.555819E-05	0.218756E-06	
	NE	0.183665E-04	0.760232E-06	0.153652E-04	0.627925E-06	0.116519E-04	0.450719E-06	
	ENE	0.516116E-04	0.208183E-05	0.524270E-04	0.212199E-05	0.340327E-04	0.135039E-05	
	E	0.371635E-04	0.155047E-05	0.328697E-04	0.134076E-05	0.302384E-04	0.124931E-05	
	ESE	0.994527E-05	0.406992E-06	0.198880E-04	0.821196E-06	0.112969E-04	0.444183E-06	
	SE	0.127411E-04	0.560797E-06	0.116350E-04	0.489622E-06	0.144269E-04	0.563392E-06	
	SSE	0.790630E-05	0.335039E-06	0.913358E-05	0.392063E-06	0.545089E-05	0.231395E-06	
	S	0.598949E-05	0.259447E-06	0.829479E-05	0.360632E-06	0.718664E-05	0.303760E-06	
	SSW	0.452588E-05	0.194894E-06	0.289983E-05	0.122376E-06	0.702101E-05	0.289706E-06	
	SW	0.357827E-05	0.153733E-06	0.506786E-05	0.212221E-06	0.434157E-05	0.164250E-06	
	WSW	0.159304E-05	0.625635E-07	0.172317E-05	0.715266E-07	0.125936E-05	0.514984E-07	
	W	0.182733E-05	0.754829E-07	0.950338E-06	0.355390E-07	0.914122E-06	0.395627E-07	
	WNW	0.307616E-05	0.128629E-06	0.532300E-06	0.199059E-07	0.114972E-05	0.444885E-07	
	NW	0.295314E-05	0.120813E-06	0.162914E-05	0.618691E-07	0.985000E-06	0.377685E-07	
	NNW	0.161469E-05	0.634079E-07	0.117954E-05	0.477602E-07	0.241637E-05	0.959209E-07	

AVERAGE X/Q HOUR OF THE DAY

ECTI	0 DIRECTION	GROUND	ELEVATED	10 GROUND	ELEVATED	11 GROUND	ELEVATED	12
	N	0.243199E-05	0.873678E-07	0.173867E-05	0.619206E-07	0.136323E-05	0.478402E-07	
	NNE	0.445821E-05	0.162833E-06	0.483093E-05	0.160824E-06	0.416843E-05	0.155139E-06	
	NE	0.437363E-05	0.158865E-06	0.494314E-05	0.178957E-06	0.457670E-05	0.137937E-06	
	ENE	0.191415E-04	0.724096E-06	0.594666E-05	0.222283E-06	0.416825E-05	0.163630E-06	
	E	0.153507E-04	0.607928E-06	0.124608E-04	0.500624E-06	0.635880E-05	0.260209E-06	
	ESE	0.131912E-04	0.535757E-06	0.854999E-05	0.338101E-06	0.315597E-05	0.101894E-06	
	SE	0.546523E-05	0.220168E-06	0.695603E-05	0.273053E-06	0.272056E-05	0.101937E-06	
	SSE	0.100476E-04	0.397688E-06	0.248515E-05	0.995049E-07	0.367421E-05	0.150879E-06	
	S	0.467356E-05	0.190446E-06	0.500707E-05	0.180588E-06	0.558713E-05	0.210326E-06	
	SSW	0.492057E-05	0.184634E-06	0.345122E-05	0.114056E-06	0.461384E-05	0.157382E-06	
	SW	0.620413E-05	0.230124E-06	0.806008E-05	0.280128E-06	0.646863E-05	0.209187E-06	
	WSW	0.319668E-05	0.110427E-06	0.259794E-05	0.928378E-07	0.282873E-05	0.909177E-07	
	W	0.153403E-05	0.595852E-07	0.198137E-05	0.739227E-07	0.119629E-05	0.401625E-07	
	WNW	0.902309E-06	0.325171E-07	0.127101E-05	0.455849E-07	0.125182E-05	0.440946E-07	
	NW	0.165504E-05	0.618919E-07	0.142055E-05	0.460316E-07	0.156785E-05	0.569745E-07	
	NNW	0.140074E-05	0.505180E-07	0.181744E-05	0.679651E-07	0.150373E-05	0.518311E-07	

AVERAGE X/Q HOUR OF THE DAY

ECTI	0 DIRECTION	GROUND	ELEVATED	13 GROUND	ELEVATED	14 GROUND	ELEVATED	15
	N	0.126114E-05	0.386108E-07	0.160599E-05	0.487978E-07	0.225160E-05	0.823174E-07	
	NNE	0.436147E-05	0.150679E-06	0.352804E-05	0.126217E-06	0.355163E-05	0.121054E-06	
	NE	0.376243E-05	0.128810E-06	0.305844E-05	0.103766E-06	0.315903E-05	0.108108E-06	
	ENE	0.304070E-05	0.109873E-06	0.207497E-05	0.760541E-07	0.308307E-05	0.106710E-06	
	E	0.473362E-05	0.189789E-06	0.362774E-05	0.143329E-06	0.265176E-05	0.101293E-06	
	ESE	0.398697E-05	0.149122E-06	0.267935E-05	0.938303E-07	0.292528E-05	0.110109E-06	
	SE	0.471553E-05	0.184246E-06	0.212680E-05	0.809565E-07	0.147437E-05	0.506536E-07	
	SSE	0.160488E-05	0.611505E-07	0.286765E-05	0.101909E-06	0.171562E-05	0.634852E-07	
	S	0.307230E-05	0.970559E-07	0.211349E-05	0.635992E-07	0.335813E-05	0.108338E-06	
	SSW	0.304581E-05	0.100224E-06	0.414793E-05	0.130889E-06	0.383529E-05	0.127851E-06	
	SW	0.593906E-05	0.177273E-06	0.471538E-05	0.133668E-06	0.554390E-05	0.162601E-06	
	WSW	0.198985E-05	0.558764E-07	0.240819E-05	0.736510E-07	0.226704E-05	0.697568E-07	
	W	0.187797E-05	0.614158E-07	0.143335E-05	0.428865E-07	0.116634E-05	0.395922E-07	
	WNW	0.124835E-05	0.426364E-07	0.139071E-05	0.504239E-07	0.146396E-05	0.535464E-07	
	NW	0.114232E-05	0.414960E-07	0.600042E-06	0.224392E-07	0.112933E-05	0.409276E-07	
	NNW	0.155019E-05	0.567389E-07	0.200527E-05	0.707546E-07	0.179078E-05	0.647936E-07	

AVERAGE X/Q HOUR OF THE DAY

ECTI	0 DIRECTION	GROUND	ELEVATED	16 GROUND	ELEVATED	17 GROUND	ELEVATED	18
	N	0.232990E-05	0.820016E-07	0.282301E-05	0.999935E-07	0.532900E-05	0.198954E-06	

NNE	0.460621E-05	0.174905E-06	0.546455E-05	0.210218E-06	0.483892E-05	0.188851E-06
NE	0.463390E-05	0.167830E-06	0.464866E-05	0.173287E-06	0.461989E-05	0.177554E-06
ENE	0.259666E-05	0.975526E-07	0.308604E-05	0.112764E-06	0.318291E-05	0.117435E-06
E	0.295862E-05	0.114375E-06	0.169328E-05	0.653706E-07	0.294107E-05	0.112567E-06
ESE	0.139041E-05	0.505128E-07	0.141025E-05	0.543013E-07	0.121199E-05	0.460758E-07
SE	0.250938E-05	0.934190E-07	0.152835E-05	0.579247E-07	0.550816E-05	0.222364E-06
SSE	0.202098E-05	0.705213E-07	0.301508E-05	0.106950E-06	0.530774E-05	0.208675E-06
S	0.275650E-05	0.865940E-07	0.473759E-05	0.169268E-06	0.626862E-05	0.250256E-06
SSW	0.380283E-05	0.138815E-06	0.599847E-05	0.220962E-06	0.704580E-05	0.275238E-06
SW	0.560254E-05	0.183897E-06	0.655307E-05	0.233568E-06	0.639453E-05	0.250243E-06
WSW	0.325447E-05	0.103690E-06	0.279729E-05	0.955316E-07	0.311238E-05	0.115046E-06
W	0.148908E-05	0.488150E-07	0.136862E-05	0.489720E-07	0.150188E-05	0.534425E-07
WNW	0.109855E-05	0.355720E-07	0.851919E-06	0.318585E-07	0.640525E-06	0.223684E-07
NW	0.177451E-05	0.659014E-07	0.128583E-05	0.466507E-07	0.157530E-05	0.589100E-07
NNW	0.143868E-05	0.523669E-07	0.225120E-05	0.853286E-07	0.180293E-05	0.684836E-07

. YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 41

0 AVERAGE X/Q HOUR OF THE DAY 19 20 21

RECT 0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	0.553954E-05	0.215273E-06	0.713325E-05	0.288456E-06	0.575332E-05	0.242131E-06
NNE	0.515407E-05	0.208161E-06	0.761334E-05	0.317024E-06	0.817626E-05	0.344426E-06
NE	0.884038E-05	0.363776E-06	0.128681E-04	0.529609E-06	0.166367E-04	0.706165E-06
ENE	0.592401E-05	0.247417E-06	0.167120E-04	0.686824E-06	0.426751E-04	0.176944E-05
E	0.394357E-05	0.164517E-06	0.128329E-04	0.532511E-06	0.121156E-04	0.526493E-06
ESE	0.151121E-05	0.631342E-07	0.490684E-05	0.207376E-06	0.895474E-05	0.359267E-06
SE	0.695323E-05	0.284399E-06	0.604219E-05	0.253940E-06	0.718828E-05	0.308685E-06
SSE	0.729968E-05	0.307765E-06	0.734477E-05	0.305961E-06	0.572964E-05	0.244303E-06
S	0.110680E-04	0.466729E-06	0.113390E-04	0.491735E-06	0.988066E-05	0.427227E-06
SSW	0.100332E-04	0.421195E-06	0.105052E-04	0.455481E-06	0.829651E-05	0.361291E-06
SW	0.603118E-05	0.240991E-06	0.565931E-05	0.239532E-06	0.660161E-05	0.281802E-06
WSW	0.284259E-05	0.108586E-06	0.311564E-05	0.126639E-06	0.327933E-05	0.137193E-06
W	0.163366E-05	0.630090E-07	0.884255E-06	0.330677E-07	0.524290E-06	0.204674E-07
WNW	0.114084E-05	0.442686E-07	0.855313E-06	0.319854E-07	0.509737E-06	0.190622E-07
NW	0.125845E-05	0.512338E-07	0.192760E-05	0.798305E-07	0.140931E-05	0.576414E-07
NNW	0.244461E-05	0.967325E-07	0.274004E-05	0.109383E-06	0.281282E-05	0.115669E-06

0 AVERAGE X/Q HOUR OF THE DAY 22 23 24

RECT 0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	0.455451E-05	0.185401E-06	0.292720E-05	0.121211E-06	0.331494E-05	0.135322E-06
NNE	0.900380E-05	0.379193E-06	0.953720E-05	0.414568E-06	0.979772E-05	0.398835E-06
NE	0.198814E-04	0.814853E-06	0.260014E-04	0.107387E-05	0.333430E-04	0.134424E-05
ENE	0.594982E-04	0.244303E-05	0.644068E-04	0.263041E-05	0.736019E-04	0.301626E-05
E	0.128548E-04	0.552382E-06	0.211141E-04	0.899863E-06	0.171581E-04	0.722680E-06
ESE	0.686735E-05	0.281862E-06	0.881001E-05	0.359860E-06	0.874158E-05	0.364176E-06
SE	0.771780E-05	0.313666E-06	0.942437E-05	0.387214E-06	0.127998E-04	0.537876E-06
SSE	0.498465E-05	0.216000E-06	0.737095E-05	0.317147E-06	0.374027E-05	0.149542E-06
S	0.111155E-04	0.477402E-06	0.784398E-05	0.337755E-06	0.609447E-05	0.262562E-06
SSW	0.842750E-05	0.370217E-06	0.429468E-05	0.187861E-06	0.685617E-05	0.290117E-06
SW	0.330281E-05	0.141050E-06	0.435041E-05	0.188512E-06	0.664916E-05	0.284343E-06
WSW	0.220409E-05	0.890141E-07	0.152681E-05	0.629303E-07	0.199106E-05	0.821073E-07
W	0.189946E-05	0.796132E-07	0.121261E-05	0.478220E-07	0.496453E-06	0.204817E-07
WNW	0.312551E-06	0.116882E-07	0.664882E-06	0.261841E-07	0.941772E-06	0.377224E-07
NW	0.141171E-05	0.583031E-07	0.140036E-05	0.554235E-07	0.106270E-05	0.417597E-07
NNW	0.219372E-05	0.896119E-07	0.156975E-05	0.619390E-07	0.152562E-05	0.584026E-07

. YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 42

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:AL !   0TOTAL PERIOD OF RECORD        8784
:AL (   0TOTAL GOOD HOURS              8760
JRS (   0HOURS OF RANGE EXCLUSION   HORIZONTAL      0 VERTICAL      0
JRS (   0HOURS OF BAD DATA             24
JRS (   0HOURS OF SPEED EXCLUSION   HORIZONTAL      0 VERTICAL      0
JRS (   0HOURS OF CALM                  0
:CEN    0PERCENT CALM                 0.00
:RAG    0AVERAGE WIND SPEED (MPH)     4.61
:RAG    0AVERAGE RANGE (DEG)           359
:RAG    0AVERAGE TEMPERATURE X10         1
ANCH    0BRANCH TECH USAGE 1,2,3      2281      3  6476
TUP,!    ISTUP,MODE,IWOD      1       1      1
, YE    1PPL YEAR 2000 DT 60-10A              8-NOV-04***                                                    PAGE      43
INDO    0 WINDOW LENGTH (HOURS) =       1
)UND    0GROUND RELEASE
:ECT    0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N          N      0.6014E-03  0 918 7  1  0.5011E-03  0 91320  1  0.4564E-03  0101120  1  0.4539E-03  0 4 3 9  1  0.3922E-03  0 91621  1
NN         NNE    0.1088E-02  01014 1  1  0.1011E-02  0101224  1  0.8843E-03  0 82224  2  0.8323E-03  0 324 7  1  0.8201E-03  01015 4  1
NE         NE     0.1415E-02  0 33124  1  0.1088E-02  0101324  2  0.1011E-02  0 923 9  4  0.1002E-02  0 224 5  1  0.9433E-03  0 610 1  3
EN         ENE    0.1415E-02  0 6 9 5  2  0.1088E-02  0 2 9 9  4  0.1011E-02  0 1 1 8  7  0.1002E-02  01015 8  1  0.9433E-03  0 3 8 8  4
E          E      0.1572E-02  0 6 9 6  1  0.1286E-02  0 4 2 6  3  0.1179E-02  0 414 5  1  0.1088E-02  0 6 824  2  0.1011E-02  0 6 324  2
ES         ESE    0.1088E-02  01012 6  1  0.1011E-02  0 324 8  1  0.9433E-03  0 314 9  4  0.8843E-03  0 61023  3  0.8323E-03  0 129 7  2
SE         SE     0.1286E-02  01012 3  1  0.1179E-02  0 2 9 6  2  0.1011E-02  0 6 9 3  1  0.1002E-02  0 5 6 7  1  0.9433E-03  01031 9  2
SS         SSE    0.1011E-02  0 3 5 5  1  0.8201E-03  012 5 9  1  0.7861E-03  011 2 2  1  0.7517E-03  0 5 6 8  2  0.7075E-03  0112510  1
S          S      0.9433E-03  0 2 9 5  1  0.7075E-03  0 2 7 3  1  0.6939E-03  01011 7  1  0.6738E-03  011 3 2  1  0.6443E-03  0 2 920  1
SS         SSW    0.8843E-03  0 611 1  1  0.8323E-03  0 430 3  3  0.7075E-03  0 816 3  1  0.6443E-03  0 623 1  1  0.6014E-03  0 424 6  2
SW         SW     0.6443E-03  0 918 3  2  0.5306E-03  0 430 2  2  0.5011E-03  0 52424  1  0.3922E-03  0 225 7  1  0.3891E-03  0 6 1 8  1
WS         WSW    0.4190E-03  0 228 8  1  0.2819E-03  0 92124  1  0.2724E-03  0 91921  1  0.2476E-03  0 7 421  2  0.2283E-03  0 12017  1
W          W      0.9021E-03  01014 5  1  0.6052E-03  0 4 522  1  0.6014E-03  010 3 7  1  0.3469E-03  0 922 1  1  0.3026E-03  01018 9  1
WN         WNW    0.8201E-03  01031 7  1  0.2739E-03  0121115  1  0.2270E-03  0 424 5  1  0.2162E-03  0 52114  1  0.1878E-03  0 214 1  1
NW         NW     0.5447E-03  0 924 7  1  0.3007E-03  0 32622  1  0.2270E-03  0 12820  3  0.2179E-03  010 521  1  0.2054E-03  0 819 7  1
NN         NNW    0.4190E-03  0 328 9  1  0.3026E-03  0 812 4  1  0.2935E-03  0 12411  1  0.2819E-03  011 5 2  1  0.2417E-03  0 2 413  1
:VAT    0ELEVATED RELEASE
:ECT    0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N          N      0.6126E-04  0 918 7  1  0.5343E-04  0101120  1  0.5105E-04  0 91320  1  0.3995E-04  0 91621  1  0.3534E-04  0 61322  1
NN         NNE    0.1274E-03  01014 1  1  0.1183E-03  0101224  1  0.1035E-03  0 82224  2  0.9742E-04  0 324 7  1  0.8353E-04  01015 4  1
NE         NE     0.1656E-03  0 33124  1  0.1274E-03  0101324  2  0.1183E-03  0 923 9  4  0.1104E-03  0 610 1  3  0.1035E-03  0 2 3 2  2
EN         ENE    0.1656E-03  0 6 9 5  2  0.1274E-03  0 2 9 9  4  0.1183E-03  0 1 1 8  7  0.1104E-03  0 3 8 8  4  0.1035E-03  0 2 922  6
E          E      0.1840E-03  0 6 9 6  1  0.1506E-03  0 4 2 6  3  0.1380E-03  0 414 5  1  0.1274E-03  0 6 824  2  0.1183E-03  0 6 324  2
ES         ESE    0.1274E-03  01012 6  1  0.1183E-03  0 324 8  1  0.1104E-03  0 314 9  4  0.1035E-03  0 61023  3  0.9742E-04  0 129 7  2
SE         SE     0.1506E-03  01012 3  1  0.1380E-03  0 2 9 6  2  0.1183E-03  0 6 9 3  1  0.1104E-03  01031 9  2  0.1021E-03  0 5 6 7  1
SS         SSE    0.1183E-03  0 3 5 5  1  0.9201E-04  011 2 2  1  0.8353E-04  012 5 9  1  0.8281E-04  0112510  1  0.7887E-04  0 129 1  1
S          S      0.1104E-03  0 2 9 5  1  0.8281E-04  0 2 7 3  1  0.7887E-04  011 3 2  1  0.7528E-04  0 111 6  2  0.7201E-04  0 1 3 1  1
SS         SSW    0.1035E-03  0 611 1  1  0.9742E-04  0 430 3  3  0.8281E-04  0 816 3  1  0.6563E-04  0 623 1  1  0.6126E-04  0 424 6  2
SW         SW     0.6563E-04  0 918 3  2  0.5405E-04  0 430 2  2  0.5105E-04  0 52424  1  0.3995E-04  0 225 7  1  0.3534E-04  0 62224  1
WS         WSW    0.3009E-04  0 228 8  1  0.2871E-04  0 92124  1  0.1956E-04  0 91921  1  0.1778E-04  0 7 421  2  0.1630E-04  0 4 521  1
W          W      0.9188E-04  01014 5  1  0.6126E-04  010 3 7  1  0.4346E-04  0 4 522  1  0.3534E-04  0 922 1  1  0.2964E-04  0 526 1  1
WN         WNW    0.8353E-04  01031 7  1  0.1630E-04  0 424 5  1  0.1385E-04  0121115  1  0.1349E-04  0 214 1  1  0.1093E-04  0 52114  1
NW         NW     0.3911E-04  0 924 7  1  0.3063E-04  0 32622  1  0.1630E-04  0 12820  3  0.1565E-04  010 521  1  0.1397E-04  0 21115  1
NN         NNW    0.3009E-04  0 328 9  1  0.2871E-04  011 5 2  1  0.2173E-04  0 812 4  1  0.2049E-04  0 514 8  1  0.1703E-04  0 52416  1
, YE    1PPL YEAR 2000 DT 60-10A              8-NOV-04***                                                    PAGE      44
INDO    0 WINDOW LENGTH (HOURS) =       1
: VA     THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
)UND    0GROUND RELEASE
ANTS    0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
ANTS     COUNTS        8760        8760        8760        8760        8760        8760        8760        8760        8760        8760
)B.      PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
ANTS    0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
ANTS     COUNTS        8760        8760        8760        8760        8758        8735        8681        8556        8501        8447
)B.      PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9998E+00  0.9971E+00  0.9910E+00  0.9767E+00  0.9704E+00  0.9643E+00
```

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ANTS     0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
UNTS      COUNTS       8329        8243        8171        8094        8015        7906        7596        7200        6824        5958
OB.       PROB.   0.9508E+00  0.9410E+00  0.9328E+00  0.9240E+00  0.9150E+00  0.9025E+00  0.8671E+00  0.8219E+00  0.7790E+00  0.6801E+00
ANTS     0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
UNTS      COUNTS       5300        4324        3642        3169        2545        2110        1647        1338         879         550
OB.       PROB.   0.6050E+00  0.4936E+00  0.4158E+00  0.3618E+00  0.2905E+00  0.2409E+00  0.1880E+00  0.1527E+00  0.1003E+00  0.6279E-01
ANTS     0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
UNTS      COUNTS        285         91          44           4           0           0           0
OB.       PROB.   0.3253E-01  0.1039E-01  0.5023E-02  0.4566E-03  0.0000E+00  0.0000E+00  0.0000E+00
EVAT     0ELEVATED RELEASE
ANTS     0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
UNTS      COUNTS       8760        8760        8760        8760        8754        8668        8432        8247        8124        8077
OB.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9993E+00  0.9895E+00  0.9626E+00  0.9414E+00  0.9274E+00  0.9220E+00
ANTS     0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
UNTS      COUNTS       8030        7970        7864        7667        6735        5861        5321        4582        4056        3693
OB.       PROB.   0.9167E+00  0.9098E+00  0.8977E+00  0.8752E+00  0.7688E+00  0.6691E+00  0.6074E+00  0.5231E+00  0.4630E+00  0.4216E+00
ANTS     0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
UNTS      COUNTS       2846        2290        1924        1684        1431        1215         937         632         425         201
OB.       PROB.   0.3249E+00  0.2614E+00  0.2196E+00  0.1922E+00  0.1634E+00  0.1387E+00  0.1070E+00  0.7215E-01  0.4852E-01  0.2295E-01
ANTS     0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
UNTS      COUNTS         81          11           1           0           0           0           0           0           0           0
OB.       PROB.   0.9247E-02  0.1256E-02  0.1142E-03  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS     0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
UNTS      COUNTS          0           0           0           0           0           0           0
OB.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
L YE     1PPL YEAR 2000 DT 60-10A          8-NOV-04***                                                                    PAGE      45
INDO     0 WINDOW LENGTH (HOURS) =      2
OUND     0GROUND RELEASE
RECT     0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
   N          N     0.3414E-03  0 91319  1  0.3007E-03  0 918 6  2  0.2506E-03  0 91320  1  0.2344E-03  0 51321  1  0.2339E-03  0 12821  1
  NN        NNE     0.9864E-03  01014 1  1  0.7637E-03  0 82224  1  0.5442E-03  0101324  1  0.5053E-03  0101223  2  0.4629E-03  0 214 5  1
  NE         NE     0.1061E-02  0 33124  1  0.8777E-03  0102020  1  0.8647E-03  0 82222  1  0.8583E-03  0 325 6  1  0.8092E-03  0 325 5  1
  EN        ENE     0.1050E-02  01011 8  1  0.1050E-02  0 2 9 8  1  0.1011E-02  0 5 9 2  1  0.9138E-03  01013 1  1  0.8984E-03  0 2 9 2  1
   E          E     0.1258E-02  0 6 9 6  1  0.1085E-02  0 4 2 5  1  0.1059E-02  0 6 9 1  1  0.9604E-03  0 6 824  1  0.9112E-03  0 515 5  1
  ES        ESE     0.7241E-03  01011 4  1  0.6980E-03  0 610 6  1  0.6809E-03  0 330 4  1  0.6691E-03  010 2 5  1  0.6376E-03  0 31610  1
  SE         SE     0.6431E-03  01012 2  2  0.6288E-03  0 91624  1  0.5895E-03  0 2 9 5  4  0.5272E-03  012 5 7  1  0.5257E-03  01031 9  1
  SS        SSE     0.7103E-03  0 3 5 5  1  0.5053E-03  0 3 5 4  1  0.4886E-03  0 22223  1  0.4806E-03  0 5 6 8  1  0.4100E-03  012 5 8  2
   S          S     0.4801E-03  0122024  1  0.4801E-03  0 526 2  1  0.4746E-03  0 920 5  1  0.4716E-03  0 2 9 4  2  0.4703E-03  0 623 5  1
  SS        SSW     0.8583E-03  0 61024  1  0.5155E-03  0 424 6  1  0.4422E-03  0 611 1  1  0.4162E-03  0 430 2  5  0.3592E-03  0 5 820  1
  SW         SW     0.3222E-03  0 918 2  4  0.2750E-03  0 62223  1  0.2653E-03  01210 4  2  0.2653E-03  0 430 1  2  0.2608E-03  0 6 1 8  1
  WS        WSW     0.2974E-03  0 228 8  1  0.2457E-03  0 92123  1  0.2095E-03  0 228 7  1  0.1602E-03  0 91224  1  0.1600E-03  01128 4  1
   W          W     0.4510E-03  01014 4  2  0.3026E-03  0 4 521  2  0.3007E-03  010 3 6  2  0.2522E-03  01018 9  1  0.2334E-03  0 52524  1
  WN        WNW     0.4100E-03  01031 6  2  0.1370E-03  0121114  2  0.1218E-03  0 4 7 3  2  0.1207E-03  0 4 7 2  1  0.1135E-03  0 424 4  2
  NW         NW     0.2724E-03  0 924 6  2  0.2112E-03  0 32621  1  0.1503E-03  0 32622  1  0.1410E-03  0 313 6  1  0.1218E-03  0 313 4  5
  NN        NNW     0.2211E-03  0 71920  1  0.2095E-03  0 328 8  2  0.1592E-03  011 524  1  0.1573E-03  0 33022  1  0.1517E-03  0 51821  1
EVAT     0ELEVATED RELEASE
RECT     0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
   N          N     0.3204E-04  0 91319  1  0.3063E-04  0 918 6  2  0.2671E-04  0101119  2  0.2552E-04  0 91320  1  0.2203E-04  0 51321  1
  NN        NNE     0.1155E-03  01014 1  1  0.8940E-04  0 82224  1  0.6370E-04  0101324  1  0.5915E-04  0101223  2  0.5176E-04  0 82223  2
  NE         NE     0.1242E-03  0 33124  1  0.1027E-03  0102020  1  0.1012E-03  0 82222  1  0.1005E-03  0 325 6  1  0.9472E-04  0 325 5  1
  EN        ENE     0.1229E-03  01011 8  1  0.1229E-03  0 2 9 8  1  0.1183E-03  0 5 9 2  1  0.1070E-03  01013 1  1  0.1052E-03  0 2 9 2  1
   E          E     0.1472E-03  0 6 9 6  1  0.1270E-03  0 4 2 5  1  0.1240E-03  0 6 9 1  1  0.1124E-03  0 6 824  1  0.1005E-03  0 4 2 4  1
  ES        ESE     0.8047E-04  01011 4  1  0.7110E-04  0 610 6  1  0.7006E-04  0 31610  1  0.6816E-04  010 2 5  1  0.6370E-04  01012 5  2
  SE         SE     0.7528E-04  01012 2  2  0.6901E-04  0 2 9 5  4  0.6405E-04  0 91624  1  0.5915E-04  0 6 9 2  2  0.5794E-04  01031 9  1
  SS        SSE     0.8003E-04  0 3 5 5  1  0.5915E-04  0 3 5 4  1  0.5466E-04  0 22223  1  0.4601E-04  011 2 1  2  0.4581E-04  0 5 6 8  1
   S          S     0.5521E-04  0 2 9 4  2  0.5200E-04  0 111 5  1  0.5132E-04  0 1 224  1  0.4890E-04  0 526 2  2  0.4791E-04  0 623 5  1
  SS        SSW     0.1005E-03  0 61024  1  0.5250E-04  0 424 6  1  0.5176E-04  0 611 1  1  0.4871E-04  0 430 2  5  0.4141E-04  0 816 2  2
  SW         SW     0.3282E-04  0 918 2  4  0.2783E-04  0 62223  1  0.2702E-04  0 430 1  4  0.2552E-04  0 52423  2  0.1997E-04  0 225 6  2
  WS        WSW     0.2188E-04  0 92123  1  0.2135E-04  0 228 8  1  0.1504E-04  0 228 7  1  0.1436E-04  0 92124  1  0.9781E-05  0 4 520  1
   W          W     0.4594E-04  01014 4  2  0.3063E-04  010 3 6  2  0.2173E-04  0 4 521  2  0.2113E-04  0 52524  1  0.1811E-04  01018 9  1
  WN        WNW     0.4177E-04  01031 6  2  0.8149E-05  0 424 4  2  0.7890E-05  0 4 7 4  1  0.7198E-05  0 4 7 3  1  0.6923E-05  0121114  2
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NW        NW     0.1956E-04  0 924 6  2  0.1946E-04  0 32621  1  0.1531E-04  0 32622  1  0.9571E-05  0 313 6  1  0.8149E-05  01210 3  2
NNW       NNW    0.1504E-04  0 328 8  2  0.1436E-04  011 5 1  2  0.1370E-04  0 71920  1  0.1143E-04  011 524  1  0.1129E-04  0 33022  1
, YE   1PPL YEAR 2000 DT 60-10A                8-NOV-04***                                                                    PAGE     46
INDO   0 WINDOW LENGTH (HOURS) =     2
: VA    THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
OUND   0GROUND RELEASE
ANTS   0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
JNTS    COUNTS       8760        8760        8760        8760        8760        8760        8760        8760        8760        8760
OB.     PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
ANTS   0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
JNTS    COUNTS       8760        8760        8760        8756        8734        8714        8670        8569        8523        8480
OB.     PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.9995E+00  0.9970E+00  0.9947E+00  0.9897E+00  0.9782E+00  0.9729E+00  0.9680E+00
ANTS   0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
JNTS    COUNTS       8366        8253        8140        7960        7807        7569        6817        6323        5685        4921
OB.     PROB.   0.9550E+00  0.9421E+00  0.9292E+00  0.9087E+00  0.8912E+00  0.8640E+00  0.7782E+00  0.7218E+00  0.6490E+00  0.5618E+00
ANTS   0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
JNTS    COUNTS       4322        3363        2698        2212        1705        1329         933         705         361         181
OB.     PROB.   0.4934E+00  0.3839E+00  0.3080E+00  0.2525E+00  0.1946E+00  0.1517E+00  0.1065E+00  0.8048E-01  0.4121E-01  0.2066E-01
ANTS   0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
JNTS    COUNTS         91          24           7           0           0           0           0
OB.     PROB.   0.1039E-01  0.2740E-02  0.7991E-03  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
EVAT   0ELEVATED RELEASE
ANTS   0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
JNTS    COUNTS       8760        8760        8760        8760        8690        8597        8421        8325        8273        8220
OB.     PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9920E+00  0.9814E+00  0.9613E+00  0.9503E+00  0.9444E+00  0.9384E+00
ANTS   0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
JNTS    COUNTS       8157        8080        7734        7213        6081        5231        4667        3817        3411        3019
OB.     PROB.   0.9312E+00  0.9224E+00  0.8829E+00  0.8234E+00  0.6942E+00  0.5971E+00  0.5328E+00  0.4357E+00  0.3894E+00  0.3446E+00
ANTS   0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
JNTS    COUNTS       2328        1826        1547        1285        1014         790         455         260         163          54
OB.     PROB.   0.2658E+00  0.2084E+00  0.1766E+00  0.1467E+00  0.1158E+00  0.9018E-01  0.5194E-01  0.2968E-01  0.1861E-01  0.6164E-02
ANTS   0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
JNTS    COUNTS         19           1           0           0           0           0           0           0           0           0
OB.     PROB.   0.2169E-02  0.1142E-03  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS   0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
JNTS    COUNTS          0           0           0           0           0           0           0
OB.     PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
, YE   1PPL YEAR 2000 DT 60-10A                8-NOV-04***                                                                    PAGE     47
INDO   0 WINDOW LENGTH (HOURS) =     8
OUND   0GROUND RELEASE
RECT   0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N         N     0.1110E-03  0 91313  6  0.1036E-03  0 11424  1  0.9372E-04  0 115 1  2  0.8804E-04  0 212 1  1  0.8534E-04  0 91319  1
NN        NNE   0.2466E-03  0101319  7  0.1909E-03  0 82218  7  0.1867E-03  0 8 3 1  1  0.1830E-03  0 51219  2  0.1675E-03  0 51221  2
NE        NE    0.6543E-03  0 32424  1  0.6322E-03  0 32423  1  0.5701E-03  0 325 1  1  0.5282E-03  0 32422  1  0.4817E-03  0 325 2  1
EN        ENE   0.6168E-03  0102022  1  0.6006E-03  0102023  1  0.5971E-03  0 1 1 3  1  0.5959E-03  0 2 922  1  0.5943E-03  01027 1  1
E         E     0.8332E-03  0 6 824  1  0.7777E-03  0 6 9 1  1  0.7153E-03  0 6 823  1  0.7033E-03  0 6 9 2  1  0.5425E-03  0 6 9 3  2
ES        ESE   0.2562E-03  01011 3  2  0.2540E-03  0101123  2  0.2539E-03  010 2 3  3  0.2285E-03  0 61019  5  0.2197E-03  010 2 1  2
SE        SE    0.3082E-03  0101120  6  0.2619E-03  0 2 823  1  0.2502E-03  012 5 3  3  0.2129E-03  0 2 824  2  0.2123E-03  012 5 1  2
SS        SSE   0.2891E-03  0 3 423  1  0.2378E-03  0 3 422  1  0.2305E-03  0 3 5 2  1  0.2085E-03  0 3 424  2  0.1995E-03  0 3 5 3  3
S         S     0.2749E-03  0 622 1  1  0.2735E-03  0 62124  1  0.2515E-03  0 62123  1  0.2349E-03  0 622 2  1  0.2243E-03  0 62122  1
SS        SSW   0.3167E-03  0 61018  3  0.3014E-03  0 61021  1  0.2683E-03  0 61022  1  0.2146E-03  0 61023  2  0.2061E-03  0 61017  1
SW        SW    0.1396E-03  0 81820  1  0.1236E-03  0 62219  4  0.1152E-03  0 81818  2  0.1140E-03  0 81821  1  0.1138E-03  0 32824  1
WS        WSW   0.8446E-04  0 228 3  6  0.7434E-04  0 228 2  1  0.6705E-04  0 228 1  1  0.6434E-04  0111721  1  0.6143E-04  0 92117  7
W         W     0.1128E-03  0101322  8  0.9467E-04  0 4 515  1  0.8793E-04  0 4 516  2  0.8215E-04  0 4 518  1  0.7566E-04  0 4 519  4
WN        WNW   0.1025E-03  0103024  8  0.8330E-04  0 4 622  2  0.7582E-04  0 4 624  1  0.7391E-04  0 4 621  1  0.6152E-04  0 313 8  1
NW        NW    0.1028E-03  0 31224  1  0.9325E-04  0 31223  1  0.9283E-04  0 313 1  1  0.8733E-04  0 31222  1  0.8466E-04  0 924 3  5
NN        NNW   0.8612E-04  0 128 4  1  0.7872E-04  0 128 5  2  0.7593E-04  0 217 7  1  0.7588E-04  0 128 3  1  0.7334E-04  0 41215  1
EVAT   0ELEVATED RELEASE
RECT   0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N         N     0.9309E-05  0 91313  6  0.8011E-05  0 91319  1  0.7912E-05  0 11424  1  0.7657E-05  0 91724  8  0.7494E-05  0 115 1  2
NN        NNE   0.2886E-04  0101319  7  0.2235E-04  0 82218  7  0.1704E-04  0 51219  2  0.1593E-04  0101318  1  0.1592E-04  0 51221  2
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NE	NE	0.7659E-04	0 32424	1	0.7400E-04	0 32423	1	0.6673E-04	0 325 1	1	0.6182E-04	0 32422	1	0.5638E-04	0 325 2	1
EN	ENE	0.7220E-04	0102022	1	0.7030E-04	0102023	1	0.6956E-04	01027 1	1	0.6868E-04	0 2 922	1	0.6866E-04	0 1 1 3	1
E	E	0.9753E-04	0 6 824	1	0.8981E-04	0 6 9 1	1	0.8373E-04	0 6 823	1	0.7976E-04	0 6 9 2	1	0.6094E-04	0 6 9 3	2
ES	ESE	0.2973E-04	0101123	2	0.2777E-04	01011 3	2	0.2674E-04	0 61019	5	0.2253E-04	010 2 3	3	0.2080E-04	010 2 1	2
SE	SE	0.3607E-04	0101120	6	0.2991E-04	0 2 823	1	0.2492E-04	0 2 824	2	0.2321E-04	012 5 3	3	0.2049E-04	012 5 1	2
SS	SSE	0.3043E-04	0 3 423	1	0.2521E-04	0 3 422	1	0.2381E-04	0 3 5 2	1	0.2223E-04	0 3 424	2	0.2159E-04	0 3 5 3	3
S	S	0.1974E-04	0 622 1	1	0.1973E-04	0 1 223	2	0.1964E-04	0 62124	1	0.1951E-04	0 1 218	4	0.1922E-04	0 2 7 3	1
SS	SSW	0.3505E-04	0 61018	3	0.3396E-04	0 61021	1	0.3059E-04	0 61022	1	0.2512E-04	0 61023	2	0.2211E-04	0 61017	1
SW	SW	0.1192E-04	0 62219	4	0.1044E-04	0 62223	1	0.9253E-05	0 91720	1	0.8897E-05	010 3 6	3	0.8887E-05	010 3 5	1
WS	WSW	0.5778E-05	0 228 3	6	0.5470E-05	0 92117	7	0.5338E-05	0 228 2	1	0.4503E-05	0 228 1	1	0.3589E-05	0 92124	1
W	W	0.1149E-04	0101322	8	0.7657E-05	010 224	8	0.6266E-05	0 4 515	1	0.5973E-05	0 4 516	2	0.5957E-05	0 52518	1
WN	WNW	0.1044E-04	0103024	8	0.5077E-05	0 4 622	2	0.4757E-05	0 4 624	1	0.4287E-05	0 4 621	1	0.3682E-05	0 4 7 1	2
NW	NW	0.5763E-05	0 31224	1	0.5727E-05	0 924 3	5	0.5339E-05	0 313 1	1	0.4983E-05	0 313 2	1	0.4889E-05	0 92324	3
NN	NNW	0.4618E-05	0 128 4	1	0.4166E-05	0 128 3	1	0.4092E-05	0 128 5	2	0.3768E-05	0 128 2	1	0.3761E-05	0 328 2	8

L YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 48

INDO 0 WINDOW LENGTH (HOURS) = 8

E VA THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL

JUND 0GROUND RELEASE

ANTS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
JNTS	COUNTS	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
DB.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
ANTS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
JNTS	COUNTS	8760	8760	8760	8760	8760	8757	8755	8744	8736	8724
DB.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9997E+00	0.9994E+00	0.9982E+00	0.9973E+00	0.9959E+00
ANTS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
JNTS	COUNTS	8648	8496	8220	7890	7373	6905	5966	5039	4353	3565
DB.	PROB.	0.9872E+00	0.9699E+00	0.9384E+00	0.9007E+00	0.8417E+00	0.7882E+00	0.6811E+00	0.5752E+00	0.4969E+00	0.4070E+00
ANTS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
JNTS	COUNTS	3035	2261	1595	1260	858	567	346	214	68	8
DB.	PROB.	0.3465E+00	0.2581E+00	0.1821E+00	0.1438E+00	0.9795E-01	0.6473E-01	0.3950E-01	0.2443E-01	0.7763E-02	0.9132E-03
ANTS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
JNTS	COUNTS	4	0	0	0	0	0	0			
DB.	PROB.	0.4566E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			
EVAT	0ELEVATED RELEASE										
ANTS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
JNTS	COUNTS	8760	8760	8760	8760	8755	8746	8736	8730	8722	8691
DB.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9994E+00	0.9984E+00	0.9973E+00	0.9966E+00	0.9957E+00	0.9921E+00
ANTS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
JNTS	COUNTS	8606	8386	7748	6980	5679	4818	4178	3351	2902	2575
DB.	PROB.	0.9824E+00	0.9573E+00	0.8845E+00	0.7968E+00	0.6483E+00	0.5500E+00	0.4769E+00	0.3825E+00	0.3313E+00	0.2939E+00
ANTS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
JNTS	COUNTS	1753	1264	931	678	463	316	139	50	8	2
DB.	PROB.	0.2001E+00	0.1443E+00	0.1063E+00	0.7740E-01	0.5285E-01	0.3607E-01	0.1587E-01	0.5708E-02	0.9132E-03	0.2283E-03
ANTS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
JNTS	COUNTS	0	0	0	0	0	0	0	0	0	0
DB.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
ANTS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
JNTS	COUNTS	0	0	0	0	0	0	0			
DB.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

L YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 49

INDO 0 WINDOW LENGTH (HOURS) = 16

JUND 0GROUND RELEASE

RECT	0DIRECTION	SUM(X/Q)/N	MAX1 DATE	CT	SUM(X/Q)/N	MAX2 DATE	CT	SUM(X/Q)/N	MAX3 DATE	CT	SUM(X/Q)/N	MAX4 DATE	CT	SUM(X/Q)/N	MAX5 DATE	CT
N	N	0.4284E-04	0 913 4	1	0.3373E-04	0 913 5	13	0.3276E-04	0 11416	4	0.3189E-04	012 210	4	0.3063E-04	0 11420	5
NN	NNE	0.7653E-04	0 8 217	2	0.7185E-04	01013 5	15	0.7080E-04	0 8 219	1	0.6660E-04	0 8 220	2	0.6403E-04	0 82719	1
NE	NE	0.2164E-03	0 32416	8	0.1906E-03	0 32424	1	0.1842E-03	0 32415	1	0.1661E-03	0 325 1	1	0.1539E-03	0 32414	1
EN	ENE	0.2667E-03	0 1 119	1	0.2571E-03	0102018	5	0.2565E-03	0 2 919	4	0.2523E-03	0 1 120	1	0.2433E-03	0 1 118	1
E	E	0.2757E-03	0 6 818	7	0.2665E-03	0 6 817	1	0.2428E-03	0 6 816	1	0.2361E-03	0 6 9 1	1	0.2084E-03	0 6 815	1
ES	ESE	0.7652E-04	010 119	11	0.7511E-04	0101019	10	0.7399E-04	0101115	10	0.6656E-04	0 61011	13	0.6558E-04	010 117	2
SE	SE	0.8979E-04	0101112	14	0.8707E-04	0 2 820	4	0.8000E-04	0 911 8	1	0.7647E-04	0 2 815	5	0.7496E-04	012 419	11
SS	SSE	0.9210E-04	0 3 418	6	0.8527E-04	0 3 415	3	0.7017E-04	0 3 414	1	0.6838E-04	0 3 424	3	0.5874E-04	0 3 5 3	3

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 S        S     0.1006E-03  0 62117  1  0.9796E-04  0 62118  2  0.9523E-04  0 62120  5  0.9285E-04  0 62116  1  0.8850E-04  0 62115  1
 SS       SSW   0.9764E-04  0 61018  3  0.9293E-04  0 61021  1  0.9282E-04  0 61010  8  0.8631E-04  0 2 617  2  0.8393E-04  0 2 619  1
 SW       SW    0.4951E-04  0 32819  1  0.4852E-04  0 32818  1  0.4829E-04  0 32817  1  0.4800E-04  0 32820  2  0.4702E-04  0 32816  1
 WS       WSW   0.3044E-04  0 22719  7  0.2783E-04  0 22718  1  0.2748E-04  01220 5  1  0.2748E-04  0111713  1  0.2596E-04  0111714  1
 W        W     0.3639E-04  0 4 5 7  2  0.3595E-04  0101314  3  0.3394E-04  0 4 5 9  1  0.3322E-04  0101317 13  0.3223E-04  0 4 510  1
 WN       WNW   0.3020E-04  0103016 16  0.2322E-04  0 326 5  1  0.2278E-04  0 326 4  1  0.2259E-04  0 313 2  7  0.2218E-04  0 4 613  8
 NW       NW    0.3480E-04  0 31216  1  0.3291E-04  0 31217  1  0.3111E-04  0 31218  5  0.2889E-04  0 31223  1  0.2856E-04  0 31215  1
 NN       NNW   0.2958E-04  0 42218  1  0.2928E-04  0 12621  1  0.2922E-04  0 128 4  1  0.2902E-04  0 42219  2  0.2895E-04  0 12622  2
VAT   0ELEVATED RELEASE
ECT   0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N        N     0.1783E-05  0 913 4  1  0.1442E-05  0 913 5 13  0.1395E-05  0 11416  4  0.1315E-05  0 11420  5  0.1264E-05  012 210  4
 NN       NNE   0.3326E-05  0 8 217  2  0.3075E-05  0 8 219  1  0.2917E-05  0 8 220  2  0.2783E-05  0 82719  1  0.2652E-05  0 82718  1
 NE       NE    0.7743E-05  0 32416  8  0.6821E-05  0 32424  1  0.6591E-05  0 32415  1  0.6519E-05  0 83016  2  0.6451E-05  0 83019  1
 EN       ENE   0.9672E-05  0 1 119  1  0.9365E-05  0 2 919  4  0.9356E-05  0102018  5  0.9026E-05  0 1 120  1  0.9005E-05  0 92217  4
 E        E     0.1015E-04  0 6 818  7  0.9748E-05  0 6 817  1  0.8734E-05  0 6 9 1  1  0.8686E-05  0 6 816  1  0.7649E-05  0 6 9 2  1
 ES       ESE   0.3329E-05  010 119 11  0.3073E-05  0101019 10  0.2920E-05  010 117  2  0.2847E-05  0 6 917 14  0.2769E-05  0 61916 13
 SE       SE    0.3427E-05  0 911 8  1  0.3333E-05  012 419 11  0.3330E-05  0 2 820  4  0.3213E-05  0101112 14  0.3114E-05  0 91618  7
 SS       SSE   0.3776E-05  0 3 418  6  0.3477E-05  0 3 415  3  0.2801E-05  0 3 414  1  0.2714E-05  0 3 424  3  0.2413E-05  012 418 13
 S        S     0.4371E-05  0 62117  1  0.4274E-05  0 62118  2  0.4172E-05  0 62120  5  0.4018E-05  0 62116  1  0.3812E-05  0 62115  1
 SS       SSW   0.3837E-05  0 2 617  2  0.3769E-05  0 61018  3  0.3748E-05  0 2 619  1  0.3589E-05  0 61010  8  0.3563E-05  0 61021  1
 SW       SW    0.2130E-05  0 32819  1  0.2093E-05  0 32818  1  0.2084E-05  0 32817  1  0.2074E-05  0 32820  2  0.2021E-05  0 32816  1
 WS       WSW   0.1287E-05  0 22719  7  0.1189E-05  0 22718  1  0.1111E-05  0 228 2  7  0.1080E-05  01220 5  1  0.1071E-05  0111713  1
 W        W     0.1589E-05  0101314  3  0.1512E-05  0 4 5 7  2  0.1487E-05  0101317 13  0.1420E-05  0 4 5 9  1  0.1356E-05  0 4 510  1
 WN       WNW   0.1352E-05  0103016 16  0.9511E-06  0 4 613  8  0.8991E-06  0 4 622  2  0.8986E-06  0 326 5  1  0.8819E-06  0 326 4  1
 NW       NW    0.1410E-05  0 31216  1  0.1340E-05  0 31217  1  0.1272E-05  0 31218  5  0.1189E-05  0 31223  1  0.1137E-05  0 31215  1
 NN       NNW   0.1160E-05  0 128 4  1  0.1106E-05  0 42218  1  0.1095E-05  0 12621  1  0.1091E-05  0 412 7  2  0.1085E-05  0 42219  2
 YE   1PPL YEAR 2000 DT 60-10A                 8-NOV-04***                                                                  PAGE      50
NDO   0 WINDOW LENGTH (HOURS) =     16
 VA    THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
UND   0GROUND RELEASE
NTS   0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS    COUNTS        8760        8760        8760        8760        8760        8760        8760        8760        8760        8760
B.     PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
NTS   0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS    COUNTS        8760        8760        8760        8760        8760        8760        8760        8755        8724        8670
B.     PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9994E+00  0.9959E+00  0.9897E+00
NTS   0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS    COUNTS        8186        7317        6462        5735        4987        4469        3461        2705        2192        1608
B.     PROB.   0.9345E+00  0.8353E+00  0.7377E+00  0.6547E+00  0.5693E+00  0.5102E+00  0.3951E+00  0.3088E+00  0.2502E+00  0.1836E+00
NTS   0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS    COUNTS        1124         649         252         113          19           0           0           0           0           0
B.     PROB.   0.1283E+00  0.7409E-01  0.2877E-01  0.1290E-01  0.2169E-02  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS   0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS    COUNTS           0           0           0           0           0           0           0
B.     PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
VAT   0ELEVATED RELEASE
NTS   0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS    COUNTS        8760        8760        8760        8760        8760        8760        8760        8758        8716        8436
B.     PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9998E+00  0.9950E+00  0.9630E+00
NTS   0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS    COUNTS        7753        6497        4878        3706        2096        1212         735         178          47           7
B.     PROB.   0.8850E+00  0.7417E+00  0.5568E+00  0.4231E+00  0.2393E+00  0.1384E+00  0.8390E-01  0.2032E-01  0.5365E-02  0.7991E-03
NTS   0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS    COUNTS           0           0           0           0           0           0           0           0           0           0
B.     PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS   0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS    COUNTS           0           0           0           0           0           0           0           0           0           0
B.     PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS   0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS    COUNTS           0           0           0           0           0           0           0
B.     PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
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YEA  1PPL YEAR 2000 DT 60-10A                8-NOV-04***                                                    PAGE     51
NDOW 0 WINDOW LENGTH (HOURS) =     72
UND  0GROUND RELEASE
ECTI 0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N        N     0.1597E-04  01130 2 27  0.1592E-04  0102921  1  0.1549E-04  0102922  1  0.1501E-04  012 1 5  4  0.1500E-04  0102920  1
 NNE      NNE   0.3263E-04  0 8 1 4  3  0.3160E-04  0 8 1 3  1  0.3086E-04  0101122 27  0.3027E-04  0 8 1 7  1  0.3008E-04  0 73120  7
 NE       NE    0.7664E-04  0 32324  1  0.7518E-04  0 323 2  4  0.7166E-04  0 32224  2  0.7166E-04  0 324 1  1  0.7093E-04  0 322 8  1
 ENE      ENE   0.1520E-03  0101224  2  0.1476E-03  01013 2  1  0.1453E-03  0101223  1  0.1437E-03  0101219  3  0.1418E-03  0101222  1
 E        E     0.1009E-03  0 6 7 6 18  0.9683E-04  0 6 724  3  0.9648E-04  0 6 8 4  2  0.9378E-04  0 6 610 20  0.9173E-04  0 6 6 9  1
 ESE      ESE   0.3591E-04  01011 4  1  0.3574E-04  010 9 2 28  0.3545E-04  0 610 3  4  0.3441E-04  0 6 923  4  0.3380E-04  010 820  5
 SE       SE    0.3388E-04  0 61124  1  0.3295E-04  0 612 4  1  0.3262E-04  0 61122  2  0.3188E-04  0 612 3  1  0.3089E-04  0 61121  1
 SSE      SSE   0.2465E-04  0 61220 14  0.2284E-04  0 61210 10  0.2249E-04  0 3 411 13  0.2237E-04  0 61310  1  0.2188E-04  0 5 5 7 26
 S        S     0.4580E-04  0 620 9 13  0.4332E-04  0 620 7  2  0.4244E-04  0 62022  8  0.3996E-04  0 620 6  1  0.3971E-04  0 621 6  2
 SSW      SSW   0.3182E-04  0 6 922 12  0.3023E-04  0 61010 11  0.2918E-04  0 61021  1  0.2878E-04  0 6 916  6  0.2854E-04  0 6 9 9  2
 SW       SW    0.1924E-04  0 32710 25  0.1917E-04  01127 6  3  0.1911E-04  0112615  6  0.1905E-04  0 32812  4  0.1900E-04  0 8 624 11
 WSW      WSW   0.1128E-04  0111517  1  0.1124E-04  0111515  2  0.1121E-04  01115 5  5  0.1118E-04  0111511  1  0.1107E-04  0111514  1
 W        W     0.1111E-04  0 4 317 23  0.1082E-04  0 4 316  1  0.1077E-04  0 4 418  5  0.1060E-04  0 4 314  2  0.1041E-04  0 4 221 17
 WNW      WNW   0.8948E-05  0 4 610 10  0.8709E-05  0 4 6 9  1  0.8639E-05  0 4 622  2  0.8456E-05  0 4 6 8  1  0.8242E-05  0 4 624  1
 NW       NW    0.1208E-04  0 12521  8  0.1163E-04  0 126 5  1  0.1125E-04  0 12620 16  0.1119E-04  0 126 6  1  0.1089E-04  0 12712  3
 NNW      NNW   0.1800E-04  0 12520  3  0.1754E-04  0 12523  1  0.1733E-04  0 12519  1  0.1711E-04  0 12524  1  0.1684E-04  0 12513  6
VATE 0ELEVATED RELEASE
ECTI 0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N        N     0.6309E-06  01130 2 27  0.6034E-06  0102921  1  0.5950E-06  012 1 5  4  0.5873E-06  0102922  1  0.5670E-06  0102923  1
 NNE      NNE   0.1413E-05  0 8 1 4  3  0.1368E-05  0 8 1 3  1  0.1309E-05  0 8 1 7  1  0.1301E-05  0 73120  7  0.1223E-05  0 8 1 8  1
 NE       NE    0.2806E-05  0 82820  1  0.2806E-05  0 82811  1  0.2804E-05  0 32324  1  0.2802E-05  0 82810  1  0.2800E-05  0 82822  3
 ENE      ENE   0.5992E-05  0101224  2  0.5862E-05  01013 2  1  0.5751E-05  0101223  1  0.5625E-05  0101219  3  0.5606E-05  01013 3  1
 E        E     0.3936E-05  0 6 7 6 18  0.3753E-05  0 6 724  3  0.3737E-05  0 6 8 4  2  0.3680E-05  0 6 610 20  0.3591E-05  0 6 6 9  1
 ESE      ESE   0.1424E-05  0 610 3  4  0.1393E-05  01011 4  1  0.1385E-05  0 6 923  4  0.1369E-05  010 9 2 28  0.1354E-05  010 820  5
 SE       SE    0.1347E-05  0 61124  1  0.1300E-05  0 61122  2  0.1292E-05  0 612 4  1  0.1252E-05  0 612 3  1  0.1235E-05  0 61121  1
 SSE      SSE   0.9681E-06  0 5 5 7 26  0.9466E-06  0 61220 14  0.9150E-06  0 3 411 13  0.8682E-06  0 224 9 24  0.8673E-06  0 61210 10
 S        S     0.1967E-05  0 620 9 13  0.1858E-05  0 620 7  2  0.1817E-05  0 62022  8  0.1708E-05  0 620 6  1  0.1695E-05  0 621 6  2
 SSW      SSW   0.1247E-05  0 6 922 12  0.1241E-05  0 8 6 5 10  0.1200E-05  0 8 615  1  0.1188E-05  0 61010 11  0.1154E-05  0 8 616  1
 SW       SW    0.7957E-06  0 32710 25  0.7706E-06  0 32812  4  0.7695E-06  0 32816  1  0.7684E-06  0 32811  1  0.7660E-06  0 91518  1
 WSW      WSW   0.4315E-06  0111517  1  0.4299E-06  0111515  2  0.4288E-06  01115 5  5  0.4279E-06  0111511  1  0.4237E-06  0111514  1
 W        W     0.4489E-06  0 4 317 23  0.4383E-06  0 4 316  1  0.4364E-06  0 4 418  5  0.4300E-06  0 4 314  2  0.4283E-06  0101024 12
 WNW      WNW   0.3617E-06  0 4 610 10  0.3528E-06  0 4 6 9  1  0.3501E-06  0 4 622  2  0.3433E-06  0 4 6 8  1  0.3353E-06  0 4 624  1
 NW       NW    0.4642E-06  0 12521  8  0.4473E-06  0 126 5  1  0.4458E-06  0 12620 16  0.4323E-06  0 12712  3  0.4309E-06  0 126 6  1
 NNW      NNW   0.6882E-06  0 12520  3  0.6709E-06  0 12523  1  0.6629E-06  0 12519  1  0.6549E-06  0 12524  1  0.6448E-06  0 12513  6
YEA  1PPL YEAR 2000 DT 60-10A                8-NOV-04***                                                    PAGE     52
NDOW 0 WINDOW LENGTH (HOURS) =     72
VAI   THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
UND  0GROUND RELEASE
NTS  0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS   COUNTS        8760        8760        8760        8760        8760        8760        8760        8760        8760        8760
B.    PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
NTS  0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS   COUNTS        8760        8760        8760        8760        8760        8760        8760        8759        8700        8537
B.    PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9999E+00  0.9932E+00  0.9745E+00
NTS  0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS   COUNTS        7657        6905        6088        5410        4536        3775        2573        1754        1092         699
B.    PROB.   0.8741E+00  0.7882E+00  0.6950E+00  0.6176E+00  0.5178E+00  0.4309E+00  0.2937E+00  0.2002E+00  0.1247E+00  0.7979E-01
NTS  0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS   COUNTS         351          12           0           0           0           0           0           0           0           0
B.    PROB.   0.4007E-01  0.1370E-02  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS  0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS   COUNTS           0           0           0           0           0           0           0
B.    PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
VATE 0ELEVATED RELEASE
NTS  0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS   COUNTS        8760        8760        8760        8760        8760        8760        8760        8760        8711        8268
B.    PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9944E+00  0.9438E+00
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NTS     0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS      COUNTS        7374        6349        4439        2727         981         224          13           0           0           0
B.       PROB.   0.8418E+00  0.7248E+00  0.5067E+00  0.3113E+00  0.1120E+00  0.2557E-01  0.1484E-02  0.0000E+00  0.0000E+00  0.0000E+00
NTS     0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS      COUNTS         0           0           0           0           0           0           0           0           0           0
B.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS     0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS      COUNTS         0           0           0           0           0           0           0           0           0           0
B.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS     0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS      COUNTS         0           0           0           0           0           0           0
B.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
, YE     1PPL YEAR 2000 DT 60-10A                8-NOV-04***                                                                  PAGE      53
NDO      0 WINDOW LENGTH (HOURS) =    624
UND      0GROUND RELEASE
ECT      0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N            N      0.5679E-05  0 913 4  1  0.5533E-05  0 91315  4  0.5462E-05  01018 9107  0.5445E-05  0 913 5  9  0.5355E-05  0 91215 13
NNE          NNE    0.1293E-04  0 810 1  1  0.1288E-04  0 810 2  2  0.1287E-04  0 8 924  1  0.1282E-04  0 81021 13  0.1282E-04  0 8 923  1
NE           NE     0.2861E-04  0 8 8 4  1  0.2854E-04  0 81018  2  0.2851E-04  0 81013  5  0.2850E-04  0 8 816 11  0.2850E-04  0 81010  3
ENE          ENE    0.7730E-04  0 93022  1  0.7689E-04  0 93021  1  0.7664E-04  0 93023  1  0.7653E-04  0 92721  1  0.7644E-04  0 93020  1
E            E      0.3364E-04  0101121  1  0.3336E-04  0101123  1  0.3326E-04  01012 7  3  0.3324E-04  0101220  1  0.3310E-04  01012 4  3
ESE          ESE    0.1475E-04  010 115 15  0.1463E-04  0 92924 11  0.1445E-04  0 924 1  4  0.1441E-04  0 92923  1  0.1439E-04  0 92724 10
SE           SE     0.1338E-04  0 52013  1  0.1322E-04  0 52014  1  0.1321E-04  0 52011  2  0.1311E-04  0 52015  1  0.1308E-04  0 520 4  3
SSE          SSE    0.9194E-05  0 22222  2  0.9132E-05  0 22220  2  0.9073E-05  0 22219  1  0.9019E-05  0 22218  1  0.8996E-05  0 22217  1
S            S      0.1331E-04  0 6 914  7  0.1325E-04  0 6 410  4  0.1325E-04  0 6 517 79  0.1325E-04  0 6 9 9  5  0.1323E-04  0 6 414 27
SSW          SSW    0.1218E-04  0 6 8 5 18  0.1192E-04  0 6 823 12  0.1187E-04  0 6 911 23  0.1184E-04  0 6 8 3  2  0.1169E-04  0 61010 11
SW           SW     0.1002E-04  011 315  1  0.9962E-05  011 4 6 27  0.9960E-05  011 316  1  0.9942E-05  011 314  1  0.9880E-05  011 317  1
WSW          WSW    0.4827E-05  0121715  1  0.4805E-05  0111120 42  0.4798E-05  0121714  1  0.4796E-05  0121716  2  0.4777E-05  0121710  4
W            W      0.3771E-05  0 92123  3  0.3570E-05  0 92122  1  0.3444E-05  0 922 2 12  0.3438E-05  0 91719 90  0.3419E-05  0 92113  5
WNW          WNW    0.2648E-05  0 312 2 10  0.2588E-05  0 31212 21  0.2564E-05  0 313 9  1  0.2561E-05  0 315 9260  0.2534E-05  0 312 1  1
NW           NW     0.4032E-05  0 11616  3  0.4004E-05  0 11619  1  0.3987E-05  0 11113 63  0.3973E-05  0 11620  7  0.3942E-05  0 114 4  3
NNW          NNW    0.5956E-05  0 11221 22  0.5918E-05  0 11319  1  0.5911E-05  0 11220  1  0.5889E-05  0 11320  2  0.5871E-05  0 11219  1
VATI     0ELEVATED RELEASE
ECT      0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N            N      0.2337E-06  0 913 4  1  0.2282E-06  0 91315  4  0.2249E-06  0 913 5  9  0.2216E-06  0 91215 13  0.2204E-06  0 91319  1
NNE          NNE    0.5109E-06  0 728 2 21  0.5024E-06  0 72921  4  0.5023E-06  0 810 1  1  0.5021E-06  0 72823  1  0.5005E-06  0 810 2  2
NE           NE     0.1187E-05  0 8 8 4  1  0.1179E-05  0 8 816 11  0.1179E-05  0 8 815  1  0.1178E-05  0 8 813  2  0.1178E-05  0 8 8 5  8
ENE          ENE    0.3052E-05  0 92721  1  0.3040E-05  0 93022  1  0.3025E-05  0 92722  1  0.3022E-05  0 93021  1  0.3020E-05  0 92719  2
E            E      0.1356E-05  0101121  1  0.1356E-05  01012 7  3  0.1349E-05  01012 4  3  0.1349E-05  0101123  1  0.1349E-05  0101220  1
ESE          ESE    0.6150E-06  010 115 15  0.6083E-06  0 92924 11  0.6000E-06  0 92923  1  0.5968E-06  0 924 1  4  0.5943E-06  0 93011 25
SE           SE     0.5441E-06  0 52013  1  0.5383E-06  0 52014  1  0.5378E-06  0 52011  2  0.5340E-06  0 52015  1  0.5328E-06  0 520 4  3
SSE          SSE    0.3805E-06  0 22222  2  0.3782E-06  0 22220  2  0.3760E-06  0 22219  1  0.3740E-06  0 22218  1  0.3738E-06  0 22217  1
S            S      0.5633E-06  0 6 914  7  0.5632E-06  0 6 410  4  0.5632E-06  0 6 517 79  0.5628E-06  0 6 414 27  0.5628E-06  0 6 9 9  5
SSW          SSW    0.4803E-06  0 6 8 5 18  0.4687E-06  0 6 823 12  0.4684E-06  0 6 911 23  0.4654E-06  0 6 8 3  2  0.4615E-06  0 61010 11
SW           SW     0.3903E-06  011 315  1  0.3892E-06  011 4 6 27  0.3892E-06  011 316  1  0.3875E-06  011 314  1  0.3862E-06  011 317  1
WSW          WSW    0.1841E-06  0111120 42  0.1837E-06  0121715  1  0.1831E-06  0121714  1  0.1829E-06  0121710  4  0.1825E-06  0121716  1
W            W      0.1585E-06  0 92123  3  0.1497E-06  0 92122  1  0.1438E-06  0 922 2 12  0.1434E-06  0 92214258  0.1424E-06  0 91719 90
WNW          WNW    0.1011E-06  0 312 2 10  0.9889E-07  0 31212 21  0.9866E-07  0 315 9260  0.9800E-07  0 313 9  1  0.9697E-07  0 315 8  1
NW           NW     0.1549E-06  0 11616  3  0.1539E-06  0 11619  1  0.1527E-06  0 11620  7  0.1520E-06  0 11113 63  0.1515E-06  0 117 3  2
NNW          NNW    0.2281E-06  0 11221 22  0.2267E-06  0 11319  1  0.2265E-06  0 11220  1  0.2257E-06  0 11320  2  0.2250E-06  0 11219  1
, YE     1PPL YEAR 2000 DT 60-10A                8-NOV-04***                                                                  PAGE      54
NDO      0 WINDOW LENGTH (HOURS) =    624
S VA      THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
UND      0GROUND RELEASE
NTS     0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS      COUNTS        8760        8760        8760        8760        8760        8760        8760        8760        8760        8760
B.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
NTS     0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS      COUNTS        8760        8760        8760        8760        8760        8760        8760        8760        8760        8760
B.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
NTS     0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
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NTS	COUNTS	8760	8473	7501	6054	4812	2702	1019	743	328	0
B.	PROB.	0.1000E+01	0.9672E+00	0.8563E+00	0.6911E+00	0.5493E+00	0.3084E+00	0.1163E+00	0.8482E-01	0.3744E-01	0.0000E+00
NTS	QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
NTS	COUNTS	0	0	0	0	0	0	0	0	0	0
B.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
NTS	QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
NTS	COUNTS	0	0	0	0	0	0	0			
B.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			
VAT	ELEVATED RELEASE										
NTS	QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
NTS	COUNTS	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
B.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
NTS	QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
NTS	COUNTS	8717	7499	3954	1078	9	0	0	0	0	0
B.	PROB.	0.9951E+00	0.8561E+00	0.4514E+00	0.1231E+00	0.1027E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
NTS	QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
NTS	COUNTS	0	0	0	0	0	0	0	0	0	0
B.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
NTS	QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
NTS	COUNTS	0	0	0	0	0	0	0	0	0	0
B.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
NTS	QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
NTS	COUNTS	0	0	0	0	0	0	0			
B.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

RETURN FROM PASS7

YE. 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 55

IND 0GROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

1 1

NTI VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
.00E	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.10E	0.10E-09	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.35E	0.35E-08	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.10E	0.10E-07	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.25E	0.25E-07	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.70E	0.70E-07	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.10E	0.10E-06	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.15E	0.15E-06	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.22E	0.22E-06	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.32E	0.32E-06	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.48E	0.48E-06	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.70E	0.70E-06	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.10E	0.10E-05	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.15E	0.15E-05	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.20E	0.20E-05	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.30E	0.30E-05	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0556	0.0296	0.0235	0.0344	0.0479	0.9998
.40E	0.40E-05	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0438	0.0365	0.0622	0.0669	0.0974	0.0546	0.0295	0.0235	0.0344	0.0479	0.9971
.50E	0.50E-05	0.0540	0.0683	0.0977	0.1611	0.0783	0.0403	0.0435	0.0364	0.0618	0.0666	0.0950	0.0534	0.0290	0.0234	0.0344	0.0479	0.9910
.70E	0.70E-05	0.0535	0.0663	0.0967	0.1610	0.0783	0.0402	0.0434	0.0363	0.0597	0.0650	0.0890	0.0530	0.0288	0.0234	0.0342	0.0479	0.9767
.85E	0.85E-05	0.0534	0.0661	0.0961	0.1610	0.0782	0.0401	0.0433	0.0358	0.0589	0.0640	0.0866	0.0526	0.0288	0.0234	0.0342	0.0478	0.9704
.10E	0.10E-04	0.0531	0.0656	0.0955	0.1607	0.0782	0.0398	0.0430	0.0356	0.0581	0.0634	0.0856	0.0519	0.0283	0.0234	0.0342	0.0476	0.9643
.15E	0.15E-04	0.0524	0.0651	0.0944	0.1605	0.0779	0.0394	0.0429	0.0352	0.0574	0.0624	0.0828	0.0499	0.0265	0.0228	0.0339	0.0474	0.9508
.20E	0.20E-04	0.0523	0.0640	0.0938	0.1600	0.0774	0.0389	0.0427	0.0349	0.0568	0.0620	0.0801	0.0485	0.0260	0.0226	0.0338	0.0469	0.9410
.25E	0.25E-04	0.0518	0.0634	0.0934	0.1598	0.0773	0.0385	0.0425	0.0347	0.0564	0.0610	0.0780	0.0475	0.0256	0.0225	0.0338	0.0468	0.9328
.30E	0.30E-04	0.0513	0.0627	0.0930	0.1597	0.0771	0.0382	0.0424	0.0345	0.0554	0.0602	0.0766	0.0453	0.0251	0.0223	0.0337	0.0467	0.9240
.35E	0.35E-04	0.0509	0.0623	0.0919	0.1594	0.0771	0.0380	0.0422	0.0345	0.0547	0.0589	0.0753	0.0432	0.0244	0.0221	0.0336	0.0465	0.9150
.40E	0.40E-04	0.0500	0.0622	0.0912	0.1591	0.0768	0.0377	0.0422	0.0342	0.0546	0.0584	0.0733	0.0393	0.0242	0.0210	0.0331	0.0451	0.9025
.50E	0.50E-04	0.0467	0.0615	0.0905	0.1588	0.0767	0.0366	0.0418	0.0340	0.0537	0.0580	0.0689	0.0315	0.0215	0.0185	0.0303	0.0381	0.8671

.60E	0.60E-04	0.0411	0.0608	0.0897	0.1584	0.0763	0.0362	0.0414	0.0338	0.0527	0.0567	0.0632	0.0250	0.0174	0.0158	0.0236	0.0297	0.8219
.70E	0.70E-04	0.0355	0.0588	0.0892	0.1582	0.0758	0.0357	0.0410	0.0336	0.0521	0.0561	0.0575	0.0205	0.0140	0.0124	0.0168	0.0218	0.7790
.85E	0.85E-04	0.0225	0.0490	0.0828	0.1547	0.0740	0.0341	0.0394	0.0321	0.0477	0.0513	0.0441	0.0138	0.0079	0.0073	0.0084	0.0112	0.6801
.10E	0.10E-03	0.0175	0.0406	0.0726	0.1514	0.0696	0.0318	0.0361	0.0295	0.0430	0.0451	0.0349	0.0097	0.0050	0.0042	0.0062	0.0078	0.6050
.13E	0.13E-03	0.0097	0.0297	0.0599	0.1467	0.0651	0.0293	0.0306	0.0248	0.0356	0.0301	0.0177	0.0053	0.0027	0.0010	0.0024	0.0030	0.4936
.17E	0.17E-03	0.0051	0.0193	0.0495	0.1395	0.0618	0.0269	0.0265	0.0210	0.0280	0.0207	0.0092	0.0027	0.0016	0.0007	0.0014	0.0018	0.4158
.20E	0.20E-03	0.0039	0.0139	0.0424	0.1317	0.0574	0.0245	0.0224	0.0183	0.0226	0.0144	0.0056	0.0015	0.0009	0.0005	0.0008	0.0010	0.3618
.25E	0.25E-03	0.0023	0.0090	0.0316	0.1169	0.0510	0.0201	0.0183	0.0132	0.0147	0.0086	0.0029	0.0003	0.0007	0.0002	0.0002	0.0005	0.2905
.30E	0.30E-03	0.0011	0.0061	0.0257	0.1024	0.0446	0.0166	0.0152	0.0098	0.0107	0.0057	0.0017	0.0001	0.0006	0.0001	0.0002	0.0002	0.2409
.35E	0.35E-03	0.0007	0.0042	0.0196	0.0813	0.0381	0.0140	0.0114	0.0068	0.0070	0.0030	0.0010	0.0001	0.0003	0.0001	0.0001	0.0001	0.1880
.40E	0.40E-03	0.0005	0.0030	0.0161	0.0685	0.0311	0.0110	0.0091	0.0053	0.0047	0.0023	0.0006	0.0001	0.0003	0.0001	0.0001	0.0001	0.1527
.50E	0.50E-03	0.0002	0.0015	0.0122	0.0438	0.0218	0.0073	0.0058	0.0032	0.0023	0.0010	0.0006	0.0000	0.0003	0.0001	0.0001	0.0000	0.1003
.60E	0.60E-03	0.0001	0.0011	0.0079	0.0250	0.0148	0.0051	0.0042	0.0017	0.0011	0.0009	0.0002	0.0000	0.0003	0.0001	0.0000	0.0000	0.0628
.70E	0.70E-03	0.0000	0.0008	0.0049	0.0130	0.0075	0.0021	0.0025	0.0007	0.0002	0.0006	0.0000	0.0000	0.0001	0.0001	0.0000	0.0000	0.0325
.85E	0.85E-03	0.0000	0.0005	0.0016	0.0031	0.0027	0.0010	0.0010	0.0001	0.0001	0.0001	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0104
.10E	0.10E-02	0.0000	0.0002	0.0009	0.0016	0.0014	0.0002	0.0006	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0050
.14E	0.14E-02	0.0000	0.0000	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
.20E	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02																	

L YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 56

EVAT 0ELEVATED RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

BABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

1 1

ANTI EVEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
.00E	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.10E	0.10E-09	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.35E	0.35E-08	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.10E	0.10E-07	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.25E	0.25E-07	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0623	0.0669	0.0986	0.0558	0.0296	0.0235	0.0344	0.0479	1.0000
.70E	0.70E-07	0.0542	0.0685	0.0978	0.1613	0.0783	0.0403	0.0439	0.0365	0.0622	0.0669	0.0985	0.0554	0.0296	0.0235	0.0344	0.0479	0.9993
.10E	0.10E-06	0.0538	0.0682	0.0978	0.1612	0.0783	0.0403	0.0435	0.0364	0.0620	0.0663	0.0951	0.0526	0.0284	0.0234	0.0344	0.0478	0.9895
.15E	0.15E-06	0.0525	0.0659	0.0967	0.1607	0.0783	0.0402	0.0432	0.0360	0.0594	0.0644	0.0854	0.0495	0.0264	0.0226	0.0339	0.0476	0.9626
.22E	0.22E-06	0.0522	0.0637	0.0942	0.1604	0.0779	0.0393	0.0427	0.0349	0.0571	0.0619	0.0795	0.0485	0.0259	0.0225	0.0338	0.0471	0.9414
.32E	0.32E-06	0.0515	0.0628	0.0920	0.1595	0.0775	0.0385	0.0426	0.0346	0.0551	0.0590	0.0773	0.0481	0.0258	0.0225	0.0337	0.0470	0.9274
.48E	0.48E-06	0.0514	0.0626	0.0916	0.1590	0.0767	0.0374	0.0424	0.0345	0.0547	0.0586	0.0771	0.0476	0.0256	0.0225	0.0337	0.0469	0.9220
.70E	0.70E-06	0.0509	0.0623	0.0916	0.1589	0.0764	0.0371	0.0422	0.0344	0.0545	0.0586	0.0764	0.0458	0.0251	0.0224	0.0336	0.0467	0.9167
.10E	0.10E-05	0.0506	0.0620	0.0909	0.1588	0.0764	0.0371	0.0421	0.0342	0.0542	0.0583	0.0740	0.0445	0.0249	0.0218	0.0334	0.0466	0.9098
.15E	0.15E-05	0.0506	0.0614	0.0896	0.1584	0.0763	0.0368	0.0420	0.0339	0.0533	0.0567	0.0713	0.0420	0.0243	0.0215	0.0333	0.0462	0.8977
.20E	0.20E-05	0.0491	0.0611	0.0894	0.1582	0.0760	0.0364	0.0420	0.0337	0.0527	0.0566	0.0691	0.0345	0.0229	0.0201	0.0316	0.0418	0.8752
.30E	0.30E-05	0.0344	0.0583	0.0884	0.1578	0.0755	0.0354	0.0409	0.0332	0.0514	0.0559	0.0564	0.0201	0.0136	0.0116	0.0156	0.0204	0.7688
.40E	0.40E-05	0.0217	0.0476	0.0803	0.1541	0.0734	0.0334	0.0387	0.0318	0.0475	0.0510	0.0434	0.0137	0.0072	0.0068	0.0080	0.0104	0.6691
.50E	0.50E-05	0.0174	0.0408	0.0726	0.1513	0.0694	0.0317	0.0360	0.0298	0.0435	0.0460	0.0357	0.0103	0.0050	0.0042	0.0061	0.0078	0.6074
.70E	0.70E-05	0.0122	0.0322	0.0621	0.1465	0.0647	0.0290	0.0309	0.0244	0.0374	0.0368	0.0247	0.0058	0.0027	0.0024	0.0050	0.0062	0.5231
.85E	0.85E-05	0.0091	0.0261	0.0547	0.1425	0.0622	0.0274	0.0276	0.0219	0.0338	0.0301	0.0152	0.0038	0.0019	0.0015	0.0023	0.0029	0.4630
.10E	0.10E-04	0.0072	0.0224	0.0505	0.1384	0.0584	0.0253	0.0239	0.0205	0.0309	0.0241	0.0112	0.0030	0.0017	0.0007	0.0015	0.0019	0.4216
.15E	0.15E-04	0.0029	0.0122	0.0377	0.1264	0.0517	0.0194	0.0184	0.0153	0.0204	0.0128	0.0040	0.0013	0.0008	0.0002	0.0007	0.0008	0.3249
.20E	0.20E-04	0.0022	0.0075	0.0282	0.1123	0.0454	0.0164	0.0150	0.0102	0.0120	0.0076	0.0029	0.0002	0.0007	0.0001	0.0002	0.0005	0.2614
.25E	0.25E-04	0.0014	0.0058	0.0226	0.1022	0.0394	0.0132	0.0112	0.0068	0.0087	0.0053	0.0017	0.0002	0.0006	0.0001	0.0002	0.0002	0.2196
.30E	0.30E-04	0.0008	0.0042	0.0202	0.0927	0.0350	0.0110	0.0095	0.0057	0.0073	0.0038	0.0010	0.0001	0.0005	0.0001	0.0002	0.0001	0.1922
.35E	0.35E-04	0.0006	0.0034	0.0182	0.0793	0.0314	0.0088	0.0075	0.0048	0.0056	0.0023	0.0008	0.0000	0.0005	0.0001	0.0001	0.0000	0.1634
.40E	0.40E-04	0.0003	0.0027	0.0156	0.0680	0.0273	0.0081	0.0063	0.0038	0.0035	0.0019	0.0006	0.0000	0.0003	0.0001	0.0000	0.0000	0.1387
.50E	0.50E-04	0.0003	0.0015	0.0126	0.0519	0.0216	0.0068	0.0051	0.0029	0.0023	0.0010	0.0006	0.0000	0.0002	0.0001	0.0000	0.0000	0.1070
.60E	0.60E-04	0.0001	0.0014	0.0089	0.0329	0.0160	0.0046	0.0040	0.0017	0.0011	0.0009	0.0002	0.0000	0.0002	0.0001	0.0000	0.0000	0.0721
.70E	0.70E-04	0.0000	0.0011	0.0066	0.0217	0.0105	0.0032	0.0027	0.0010	0.0008	0.0006	0.0000	0.0000	0.0001	0.0001	0.0000	0.0000	0.0485
.85E	0.85E-04	0.0000	0.0006	0.0035	0.0090	0.0055	0.0016	0.0018	0.0002	0.0001	0.0005	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0229
.10E	0.10E-03	0.0000	0.0005	0.0015	0.0027	0.0024	0.0010	0.0008	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0092

13E-	0.13E-03	0.0000	0.0000	0.0001	0.0002	0.0006	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

, YE/ 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 57
UND 0GROUND RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABII PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
2 2

NTI: VEL,	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.8374	0.8121	0.8916	0.9992	0.9812	0.4821	0.7963	0.8640	0.9061	0.9058	0.8917	0.7615	0.2580	0.6522	0.8467	0.9412	12.8271
35E-	0.35E-08	0.0817	0.1094	0.1590	0.5671	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.9213
10E-	0.10E-07	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
25E-	0.25E-07	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
70E-	0.70E-07	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
10E-	0.10E-06	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
15E-	0.15E-06	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
22E-	0.22E-06	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
32E-	0.32E-06	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
48E-	0.48E-06	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
70E-	0.70E-06	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
10E-	0.10E-05	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
15E-	0.15E-05	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0844	0.0483	0.0392	0.0529	0.0687	1.5852
20E-	0.20E-05	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0775	0.0647	0.1015	0.1121	0.1461	0.0833	0.0482	0.0392	0.0529	0.0687	1.5824
30E-	0.30E-05	0.0812	0.1084	0.1582	0.2306	0.1350	0.0719	0.0771	0.0643	0.1011	0.1104	0.1435	0.0812	0.0477	0.0390	0.0526	0.0687	1.5710
40E-	0.40E-05	0.0807	0.1080	0.1579	0.2304	0.1350	0.0719	0.0769	0.0642	0.1001	0.1090	0.1395	0.0804	0.0476	0.0390	0.0526	0.0687	1.5620
50E-	0.50E-05	0.0799	0.1074	0.1570	0.2300	0.1349	0.0717	0.0765	0.0636	0.0981	0.1071	0.1363	0.0796	0.0475	0.0390	0.0526	0.0684	1.5495
70E-	0.70E-05	0.0796	0.1053	0.1550	0.2298	0.1345	0.0713	0.0764	0.0631	0.0953	0.1055	0.1317	0.0771	0.0459	0.0387	0.0522	0.0682	1.5295
85E-	0.85E-05	0.0795	0.1048	0.1546	0.2288	0.1345	0.0713	0.0764	0.0626	0.0950	0.1050	0.1293	0.0757	0.0452	0.0378	0.0519	0.0678	1.5201
10E-	0.10E-04	0.0793	0.1038	0.1539	0.2288	0.1340	0.0712	0.0759	0.0623	0.0944	0.1045	0.1277	0.0750	0.0443	0.0378	0.0517	0.0675	1.5121
15E-	0.15E-04	0.0774	0.1016	0.1527	0.2282	0.1334	0.0703	0.0751	0.0616	0.0927	0.1014	0.1233	0.0713	0.0426	0.0372	0.0516	0.0670	1.4876
20E-	0.20E-04	0.0760	0.1007	0.1503	0.2276	0.1330	0.0693	0.0750	0.0614	0.0917	0.0989	0.1185	0.0667	0.0409	0.0363	0.0508	0.0660	1.4630
25E-	0.25E-04	0.0740	0.0999	0.1495	0.2269	0.1329	0.0680	0.0744	0.0610	0.0908	0.0982	0.1131	0.0621	0.0380	0.0336	0.0489	0.0621	1.4333
30E-	0.30E-04	0.0704	0.0994	0.1484	0.2263	0.1321	0.0672	0.0741	0.0604	0.0898	0.0963	0.1080	0.0559	0.0333	0.0307	0.0427	0.0554	1.3905
35E-	0.35E-04	0.0666	0.0977	0.1478	0.2260	0.1313	0.0669	0.0739	0.0602	0.0892	0.0958	0.1039	0.0500	0.0292	0.0265	0.0371	0.0495	1.3515
40E-	0.40E-04	0.0603	0.0945	0.1457	0.2242	0.1307	0.0663	0.0731	0.0595	0.0874	0.0939	0.0969	0.0434	0.0247	0.0204	0.0312	0.0430	1.2952
50E-	0.50E-04	0.0479	0.0773	0.1322	0.2177	0.1240	0.0618	0.0683	0.0553	0.0805	0.0824	0.0784	0.0276	0.0144	0.0122	0.0235	0.0322	1.1356
60E-	0.60E-04	0.0386	0.0696	0.1251	0.2139	0.1216	0.0590	0.0640	0.0515	0.0763	0.0737	0.0662	0.0202	0.0108	0.0090	0.0188	0.0257	1.0442
70E-	0.70E-04	0.0288	0.0606	0.1127	0.2097	0.1153	0.0571	0.0604	0.0474	0.0682	0.0597	0.0470	0.0126	0.0070	0.0048	0.0102	0.0138	0.9151
85E-	0.85E-04	0.0163	0.0452	0.0982	0.2006	0.1113	0.0526	0.0546	0.0428	0.0567	0.0485	0.0312	0.0078	0.0046	0.0032	0.0048	0.0067	0.7850
10E-	0.10E-03	0.0122	0.0356	0.0856	0.1906	0.1033	0.0479	0.0463	0.0381	0.0471	0.0376	0.0205	0.0048	0.0030	0.0021	0.0027	0.0038	0.6814
13E-	0.13E-03	0.0061	0.0233	0.0628	0.1695	0.0885	0.0376	0.0356	0.0261	0.0313	0.0208	0.0087	0.0013	0.0018	0.0005	0.0006	0.0017	0.5160
17E-	0.17E-03	0.0025	0.0130	0.0463	0.1484	0.0756	0.0288	0.0261	0.0182	0.0197	0.0111	0.0038	0.0003	0.0011	0.0002	0.0003	0.0003	0.3959
20E-	0.20E-03	0.0013	0.0087	0.0358	0.1320	0.0608	0.0221	0.0191	0.0121	0.0126	0.0065	0.0021	0.0003	0.0009	0.0002	0.0003	0.0003	0.3152
25E-	0.25E-03	0.0005	0.0040	0.0266	0.1111	0.0463	0.0153	0.0127	0.0075	0.0066	0.0031	0.0015	0.0001	0.0008	0.0002	0.0002	0.0000	0.2365

30E-	0.30E-03	0.0003	0.0027	0.0179	0.0876	0.0344	0.0111	0.0095	0.0039	0.0038	0.0023	0.0005	0.0000	0.0007	0.0002	0.0000	0.0000	0.1748
35E-	0.35E-03	0.0000	0.0021	0.0114	0.0644	0.0217	0.0055	0.0061	0.0018	0.0019	0.0014	0.0000	0.0000	0.0002	0.0002	0.0000	0.0000	0.1167
40E-	0.40E-03	0.0000	0.0014	0.0086	0.0493	0.0148	0.0040	0.0039	0.0009	0.0013	0.0009	0.0000	0.0000	0.0002	0.0002	0.0000	0.0000	0.0855
50E-	0.50E-03	0.0000	0.0006	0.0043	0.0265	0.0068	0.0013	0.0017	0.0002	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0417
60E-	0.60E-03	0.0000	0.0002	0.0021	0.0136	0.0038	0.0006	0.0003	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0208
70E-	0.70E-03	0.0000	0.0002	0.0014	0.0065	0.0021	0.0001	0.0000	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105
85E-	0.85E-03	0.0000	0.0001	0.0005	0.0011	0.0009	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027
10E-	0.10E-02	0.0000	0.0000	0.0001	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

. YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 58

SVATI 0ELEVATED RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABII PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

2 2

NTI:	QUANTIZED																	
VEL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
.00E-	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.0817	0.1094	0.4525	0.8792	0.4575	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	2.8494
35E-	0.35E-08	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
10E-	0.10E-07	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
25E-	0.25E-07	0.0817	0.1094	0.1590	0.2311	0.1350	0.0720	0.0777	0.0647	0.1017	0.1121	0.1473	0.0845	0.0483	0.0392	0.0529	0.0687	1.5853
70E-	0.70E-07	0.0803	0.1080	0.1580	0.2304	0.1350	0.0719	0.0769	0.0642	0.1006	0.1091	0.1392	0.0779	0.0459	0.0382	0.0519	0.0686	1.5561
10E-	0.10E-06	0.0795	0.1057	0.1564	0.2298	0.1349	0.0715	0.0765	0.0630	0.0971	0.1064	0.1329	0.0748	0.0450	0.0378	0.0517	0.0679	1.5308
15E-	0.15E-06	0.0779	0.1022	0.1527	0.2289	0.1339	0.0710	0.0757	0.0621	0.0929	0.1005	0.1253	0.0736	0.0435	0.0374	0.0517	0.0676	1.4969
22E-	0.22E-06	0.0772	0.1011	0.1509	0.2274	0.1332	0.0694	0.0753	0.0615	0.0917	0.0987	0.1218	0.0731	0.0428	0.0374	0.0515	0.0674	1.4805
32E-	0.32E-06	0.0769	0.1007	0.1505	0.2268	0.1324	0.0679	0.0749	0.0615	0.0911	0.0985	0.1210	0.0713	0.0422	0.0374	0.0515	0.0671	1.4719
48E-	0.48E-06	0.0760	0.1001	0.1499	0.2268	0.1323	0.0677	0.0748	0.0614	0.0908	0.0984	0.1187	0.0692	0.0418	0.0366	0.0513	0.0668	1.4626
70E-	0.70E-06	0.0760	0.0994	0.1486	0.2263	0.1321	0.0674	0.0745	0.0608	0.0898	0.0966	0.1144	0.0668	0.0412	0.0361	0.0510	0.0663	1.4474
10E-	0.10E-05	0.0751	0.0987	0.1473	0.2258	0.1318	0.0671	0.0745	0.0602	0.0882	0.0958	0.1111	0.0630	0.0393	0.0350	0.0497	0.0637	1.4264
15E-	0.15E-05	0.0651	0.0968	0.1463	0.2251	0.1311	0.0662	0.0739	0.0598	0.0872	0.0950	0.1023	0.0495	0.0285	0.0253	0.0362	0.0485	1.3369
20E-	0.20E-05	0.0533	0.0853	0.1394	0.2211	0.1287	0.0642	0.0712	0.0582	0.0839	0.0897	0.0893	0.0358	0.0187	0.0164	0.0273	0.0381	1.2207
30E-	0.30E-05	0.0350	0.0695	0.1242	0.2139	0.1213	0.0588	0.0638	0.0514	0.0758	0.0742	0.0639	0.0172	0.0094	0.0075	0.0147	0.0188	1.0196
40E-	0.40E-05	0.0223	0.0561	0.1080	0.2055	0.1122	0.0539	0.0571	0.0446	0.0647	0.0624	0.0421	0.0096	0.0054	0.0048	0.0074	0.0096	0.8656
50E-	0.50E-05	0.0171	0.0465	0.0961	0.1968	0.1046	0.0493	0.0484	0.0414	0.0580	0.0507	0.0296	0.0071	0.0037	0.0026	0.0041	0.0058	0.7618
70E-	0.70E-05	0.0083	0.0301	0.0763	0.1839	0.0943	0.0397	0.0384	0.0320	0.0436	0.0331	0.0145	0.0033	0.0022	0.0007	0.0021	0.0030	0.6054
85E-	0.85E-05	0.0059	0.0242	0.0654	0.1744	0.0911	0.0355	0.0355	0.0267	0.0352	0.0251	0.0097	0.0014	0.0016	0.0002	0.0006	0.0019	0.5345
10E	0.10E-04	0.0049	0.0188	0.0562	0.1652	0.0825	0.0320	0.0298	0.0210	0.0273	0.0172	0.0065	0.0005	0.0014	0.0002	0.0005	0.0014	0.4653
15E	0.15E-04	0.0019	0.0095	0.0410	0.1433	0.0653	0.0220	0.0194	0.0123	0.0167	0.0084	0.0030	0.0003	0.0011	0.0002	0.0005	0.0002	0.3452
20E	0.20E-04	0.0009	0.0057	0.0312	0.1211	0.0518	0.0163	0.0132	0.0080	0.0086	0.0049	0.0013	0.0002	0.0008	0.0002	0.0000	0.0000	0.2643
25E-	0.25E-04	0.0007	0.0033	0.0241	0.1073	0.0437	0.0139	0.0108	0.0061	0.0053	0.0027	0.0013	0.0000	0.0005	0.0002	0.0000	0.0000	0.2199
30E-	0.30E-04	0.0003	0.0031	0.0184	0.0900	0.0345	0.0095	0.0084	0.0035	0.0032	0.0022	0.0005	0.0000	0.0005	0.0002	0.0000	0.0000	0.1742
35E-	0.35E-04	0.0000	0.0025	0.0140	0.0707	0.0255	0.0067	0.0059	0.0022	0.0024	0.0013	0.0000	0.0000	0.0002	0.0002	0.0000	0.0000	0.1316
40E-	0.40E-04	0.0000	0.0014	0.0106	0.0564	0.0178	0.0045	0.0046	0.0013	0.0013	0.0011	0.0000	0.0000	0.0002	0.0002	0.0000	0.0000	0.0993
50E-	0.50E-04	0.0000	0.0008	0.0053	0.0347	0.0079	0.0025	0.0018	0.0003	0.0005	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541
60E-	0.60E-04	0.0000	0.0003	0.0030	0.0205	0.0043	0.0007	0.0008	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0299
70E-	0.70E-04	0.0000	0.0002	0.0019	0.0128	0.0030	0.0003	0.0002	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0187
85E	0.85E-04	0.0000	0.0002	0.0007	0.0037	0.0015	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0062
10E	0.10E-03	0.0000	0.0001	0.0005	0.0009	0.0006	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
17E	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

50E-1	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-1	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-1	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.0E-1	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4E-1	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-1	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-1	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.40E-02																	

YEA 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 59

JND : OGROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

3 8

VTIZ /EL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.7478	0.8245	0.8912	0.9911	0.9664	0.6845	0.7212	0.7249	0.8958	0.8038	0.8266	0.2880	0.1338	0.1047	0.4640	0.8733	10.9417
35E-	0.35E-08	0.1951	0.2603	0.3661	0.6038	0.3611	0.2281	0.2299	0.1921	0.2623	0.2901	0.3306	0.2065	0.1274	0.1047	0.1320	0.1418	4.0317
10E-	0.10E-07	0.1951	0.2603	0.3661	0.4595	0.3611	0.2281	0.2299	0.1921	0.2623	0.2901	0.3306	0.2065	0.1274	0.1047	0.1320	0.1418	3.8874
25E-	0.25E-07	0.1951	0.2603	0.3661	0.4595	0.3611	0.2281	0.2299	0.1921	0.2623	0.2901	0.3306	0.2065	0.1274	0.1047	0.1320	0.1418	3.8874
70E-	0.70E-07	0.1951	0.2603	0.3661	0.4595	0.3611	0.2281	0.2299	0.1921	0.2623	0.2901	0.3306	0.2065	0.1274	0.1047	0.1320	0.1418	3.8874
10E-	0.10E-06	0.1951	0.2603	0.3661	0.4595	0.3611	0.2281	0.2299	0.1921	0.2623	0.2901	0.3306	0.2065	0.1274	0.1047	0.1320	0.1418	3.8874
15E-	0.15E-06	0.1951	0.2603	0.3661	0.4595	0.3611	0.2281	0.2299	0.1921	0.2623	0.2901	0.3306	0.2065	0.1274	0.1047	0.1320	0.1418	3.8874
22E-	0.22E-06	0.1951	0.2603	0.3661	0.4595	0.3611	0.2281	0.2299	0.1921	0.2623	0.2901	0.3306	0.2065	0.1274	0.1047	0.1320	0.1418	3.8874
32E-	0.32E-06	0.1951	0.2603	0.3661	0.4595	0.3611	0.2281	0.2299	0.1921	0.2623	0.2901	0.3306	0.2065	0.1274	0.1047	0.1320	0.1418	3.8874
48E-	0.48E-06	0.1951	0.2603	0.3661	0.4595	0.3611	0.2281	0.2299	0.1921	0.2615	0.2901	0.3298	0.2049	0.1274	0.1047	0.1320	0.1418	3.8842
70E-	0.70E-06	0.1949	0.2597	0.3661	0.4592	0.3611	0.2281	0.2288	0.1911	0.2614	0.2896	0.3284	0.2018	0.1264	0.1047	0.1320	0.1418	3.8750
10E-	0.10E-05	0.1937	0.2596	0.3658	0.4590	0.3611	0.2281	0.2287	0.1911	0.2606	0.2877	0.3253	0.1995	0.1263	0.1047	0.1311	0.1418	3.8639
15E-	0.15E-05	0.1934	0.2571	0.3632	0.4580	0.3600	0.2272	0.2277	0.1896	0.2555	0.2793	0.3212	0.1975	0.1261	0.1045	0.1311	0.1400	3.8314
20E-	0.20E-05	0.1933	0.2568	0.3621	0.4575	0.3598	0.2272	0.2277	0.1887	0.2539	0.2765	0.3171	0.1929	0.1252	0.1039	0.1300	0.1398	3.8126
30E-	0.30E-05	0.1928	0.2554	0.3607	0.4562	0.3592	0.2250	0.2249	0.1865	0.2519	0.2755	0.3104	0.1877	0.1229	0.1029	0.1298	0.1393	3.7811
40E-	0.40E-05	0.1911	0.2519	0.3578	0.4548	0.3576	0.2250	0.2239	0.1853	0.2498	0.2677	0.3053	0.1809	0.1186	0.1013	0.1298	0.1382	3.7389
50E-	0.50E-05	0.1876	0.2508	0.3547	0.4534	0.3574	0.2228	0.2239	0.1842	0.2487	0.2653	0.3007	0.1774	0.1168	0.0997	0.1287	0.1378	3.7098
70E-	0.70E-05	0.1826	0.2481	0.3524	0.4515	0.3557	0.2200	0.2227	0.1838	0.2459	0.2602	0.2873	0.1700	0.1100	0.0935	0.1237	0.1336	3.6410
85E-	0.85E-05	0.1766	0.2468	0.3505	0.4506	0.3541	0.2186	0.2226	0.1823	0.2442	0.2596	0.2797	0.1605	0.1018	0.0861	0.1119	0.1283	3.5741
10E-	0.10E-04	0.1705	0.2434	0.3497	0.4475	0.3532	0.2172	0.2215	0.1816	0.2421	0.2582	0.2703	0.1494	0.0885	0.0764	0.0987	0.1220	3.4903
15E-	0.15E-04	0.1405	0.2145	0.3320	0.4309	0.3389	0.2057	0.2082	0.1687	0.2243	0.2199	0.2245	0.1057	0.0582	0.0500	0.0780	0.1054	3.1055
20E-	0.20E-04	0.1106	0.1857	0.3078	0.4182	0.3224	0.1905	0.1959	0.1542	0.1945	0.1858	0.1783	0.0728	0.0386	0.0297	0.0526	0.0792	2.7169
25E-	0.25E-04	0.0903	0.1579	0.2845	0.3995	0.3079	0.1759	0.1727	0.1412	0.1701	0.1515	0.1400	0.0527	0.0272	0.0219	0.0361	0.0598	2.3892
30E-	0.30E-04	0.0719	0.1403	0.2612	0.3796	0.2918	0.1542	0.1548	0.1195	0.1477	0.1263	0.1086	0.0379	0.0188	0.0114	0.0263	0.0491	2.0993
35E-	0.35E-04	0.0589	0.1132	0.2384	0.3628	0.2671	0.1387	0.1349	0.0995	0.1269	0.1055	0.0830	0.0215	0.0128	0.0087	0.0193	0.0374	1.8287
40E-	0.40E-04	0.0438	0.0975	0.2220	0.3491	0.2538	0.1216	0.1205	0.0928	0.1136	0.0856	0.0670	0.0135	0.0095	0.0061	0.0142	0.0255	1.6360
50E-	0.50E-04	0.0231	0.0718	0.1800	0.3210	0.2107	0.0939	0.0919	0.0660	0.0822	0.0579	0.0382	0.0046	0.0061	0.0030	0.0071	0.0151	1.2725
60E-	0.60E-04	0.0092	0.0493	0.1492	0.2943	0.1803	0.0758	0.0684	0.0477	0.0588	0.0396	0.0237	0.0018	0.0041	0.0017	0.0027	0.0048	1.0115
70E-	0.70E-04	0.0043	0.0355	0.1193	0.2742	0.1519	0.0615	0.0556	0.0311	0.0419	0.0287	0.0130	0.0008	0.0029	0.0014	0.0016	0.0010	0.8247
85E-	0.85E-04	0.0013	0.0235	0.0805	0.2403	0.1187	0.0339	0.0369	0.0191	0.0303	0.0204	0.0050	0.0000	0.0013	0.0009	0.0005	0.0001	0.6126
10E-	0.10E-03	0.0008	0.0132	0.0597	0.2196	0.0966	0.0234	0.0245	0.0100	0.0195	0.0139	0.0018	0.0000	0.0009	0.0009	0.0001	0.0000	0.4852
13E-	0.13E-03	0.0000	0.0042	0.0337	0.1817	0.0615	0.0115	0.0108	0.0031	0.0082	0.0040	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.3189
17E-	0.17E-03	0.0000	0.0019	0.0188	0.1386	0.0358	0.0049	0.0033	0.0015	0.0022	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2084
20E-	0.20E-03	0.0000	0.0008	0.0136	0.1131	0.0225	0.0029	0.0022	0.0006	0.0006	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1571
25E-	0.25E-03	0.0000	0.0000	0.0068	0.0785	0.0136	0.0008	0.0011	0.0001	0.0003	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1019
30E-	0.30E-03	0.0000	0.0000	0.0029	0.0535	0.0075	0.0000	0.0007	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0651
35E-	0.35E-03	0.0000	0.0000	0.0019	0.0340	0.0035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0395
40E-	0.40E-03	0.0000	0.0000	0.0009	0.0211	0.0024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0244
50E-	0.50E-03	0.0000	0.0000	0.0005	0.0064	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0078
60E-	0.60E-03	0.0000	0.0000	0.0002	0.0002	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

YEA 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 60
VATE ORLEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
8 8

NTI2 VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000		
10E-	0.10E-09	0.1951	0.2603	0.3661	0.8818	0.3611	0.2281	0.2299	0.1921	0.2623	0.2901	0.3306	0.2065	0.1274	0.1047	0.1320	0.1418	4.3098
35E-	0.35E-08	0.1951	0.2603	0.3661	0.4595	0.3611	0.2281	0.2299	0.1921	0.2623	0.2901	0.3306	0.2065	0.1274	0.1047	0.1320	0.1418	3.8874
10E-	0.10E-07	0.1951	0.2603	0.3661	0.4595	0.3611	0.2281	0.2299	0.1921	0.2615	0.2901	0.3289	0.2048	0.1274	0.1047	0.1320	0.1418	3.8832
25E-	0.25E-07	0.1932	0.2579	0.3645	0.4579	0.3610	0.2269	0.2277	0.1894	0.2561	0.2804	0.3195	0.1898	0.1250	0.1038	0.1298	0.1404	3.8232
70E-	0.70E-07	0.1876	0.2523	0.3543	0.4529	0.3566	0.2200	0.2233	0.1842	0.2471	0.2634	0.3027	0.1845	0.1188	0.1022	0.1289	0.1392	3.7179
10E-	0.10E-06	0.1873	0.2499	0.3537	0.4519	0.3559	0.2194	0.2233	0.1842	0.2462	0.2622	0.3007	0.1797	0.1182	0.1013	0.1288	0.1382	3.7009
15E-	0.15E-06	0.1856	0.2479	0.3527	0.4511	0.3559	0.2183	0.2231	0.1839	0.2454	0.2620	0.2945	0.1766	0.1172	0.0989	0.1282	0.1378	3.6792
22E-	0.22E-06	0.1856	0.2463	0.3501	0.4502	0.3550	0.2174	0.2231	0.1826	0.2437	0.2590	0.2862	0.1715	0.1155	-0.0982	0.1281	0.1372	3.6498
32E-	0.32E-06	0.1801	0.2438	0.3499	0.4486	0.3549	0.2167	0.2226	0.1822	0.2393	0.2584	0.2785	0.1623	0.1086	0.0921	0.1194	0.1312	3.5887
48E-	0.48E-06	0.1591	0.2320	0.3465	0.4436	0.3516	0.2126	0.2193	0.1797	0.2357	0.2532	0.2602	0.1371	0.0761	0.0696	0.0934	0.1183	3.3879
70E-	0.70E-06	0.1424	0.2162	0.3353	0.4342	0.3404	0.2061	0.2112	0.1695	0.2237	0.2274	0.2213	0.1050	0.0551	0.0494	0.0757	0.1029	3.1159
10E-	0.10E-05	0.1152	0.1912	0.3095	0.4212	0.3223	0.1909	0.1966	0.1562	0.1999	0.1946	0.1756	0.0694	0.0352	0.0289	0.0530	0.0759	2.7354
15E-	0.15E-05	0.0741	0.1529	0.2774	0.3938	0.2986	0.1631	0.1655	0.1332	0.1705	0.1538	0.1225	0.0404	0.0193	0.0139	0.0269	0.0460	2.2521
20E-	0.20E-05	0.0490	0.1248	0.2467	0.3717	0.2772	0.1379	0.1428	0.1139	0.1425	0.1163	0.0825	0.0155	0.0116	0.0066	0.0148	0.0287	1.8825
30E-	0.30E-05	0.0237	0.0784	0.1930	0.3358	0.2317	0.1050	0.1024	0.0767	0.0995	0.0715	0.0416	0.0021	0.0064	0.0017	0.0043	0.0064	1.3804
40E-	0.40E-05	0.0106	0.0539	0.1581	0.3110	0.1987	0.0804	0.0764	0.0539	0.0755	0.0463	0.0196	0.0017	0.0053	0.0014	0.0026	0.0005	1.0958
50E-	0.50E-05	0.0049	0.0373	0.1318	0.2865	0.1755	0.0662	0.0580	0.0381	0.0492	0.0333	0.0108	0.0016	0.0037	0.0011	0.0008	0.0000	0.8990
70E-	0.70E-05	0.0021	0.0192	0.0868	0.2545	0.1382	0.0479	0.0416	0.0219	0.0279	0.0179	0.0049	0.0000	0.0018	0.0009	0.0000	0.0000	0.6655
85E-	0.85E-05	0.0007	0.0137	0.0648	0.2301	0.1108	0.0312	0.0285	0.0120	0.0205	0.0127	0.0011	0.0000	0.0009	0.0009	0.0000	0.0000	0.5281
10E-	0.10E-04	0.0000	0.0076	0.0499	0.2105	0.0882	0.0227	0.0232	0.0080	0.0126	0.0086	0.0006	0.0000	0.0009	0.0009	0.0000	0.0000	0.4337
15E-	0.15E-04	0.0000	0.0022	0.0237	0.1534	0.0439	0.0062	0.0062	0.0017	0.0038	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2434
20E	0.20E-04	0.0000	0.0016	0.0152	0.1158	0.0267	0.0030	0.0016	0.0009	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1656
25E-	0.25E-04	0.0000	0.0008	0.0118	0.0845	0.0150	0.0010	0.0008	0.0002	0.0000	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1148
30E-	0.30E-04	0.0000	0.0000	0.0058	0.0632	0.0088	0.0000	0.0007	0.0001	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0792
35E-	0.35E-04	0.0000	0.0000	0.0024	0.0452	0.0045	0.0000	0.0007	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0531
40E-	0.40E-04	0.0000	0.0000	0.0021	0.0315	0.0025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0361
50E-	0.50E-04	0.0000	0.0000	0.0007	0.0138	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0159
60E-	0.60E-04	0.0000	0.0000	0.0005	0.0043	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0057
70E-	0.70E-04	0.0000	0.0000	0.0002	0.0002	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.85E	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.10E	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.14E	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.20E	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

.40E 0.40E-02
L YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 61
JUND 0GROUND RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
BABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
16 16

ANTI EVEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
.00E	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.10E	0.10E-09	0.3143	0.6084	0.8497	0.9583	0.8841	0.5211	0.5429	0.3274	0.6841	0.7219	0.5789	0.3390	0.2131	0.1767	0.2119	0.2162	8.1482
.35E	0.35E-08	0.3143	0.3914	0.5364	0.6548	0.5643	0.3881	0.3858	0.3274	0.4188	0.4545	0.5011	0.3390	0.2131	0.1767	0.2119	0.2162	6.0939
.10E	0.10E-07	0.3143	0.3914	0.5364	0.6548	0.5643	0.3881	0.3858	0.3274	0.4188	0.4545	0.5011	0.3390	0.2131	0.1767	0.2119	0.2162	6.0939
.25E	0.25E-07	0.3143	0.3914	0.5364	0.6548	0.5643	0.3881	0.3858	0.3274	0.4188	0.4545	0.5011	0.3390	0.2131	0.1767	0.2119	0.2162	6.0939
.70E	0.70E-07	0.3143	0.3914	0.5364	0.6548	0.5643	0.3881	0.3858	0.3274	0.4188	0.4545	0.5011	0.3390	0.2131	0.1767	0.2119	0.2162	6.0939
.10E	0.10E-06	0.3143	0.3914	0.5364	0.6548	0.5643	0.3881	0.3858	0.3274	0.4188	0.4545	0.5011	0.3390	0.2131	0.1767	0.2119	0.2162	6.0939
.15E	0.15E-06	0.3143	0.3914	0.5364	0.6548	0.5643	0.3881	0.3858	0.3274	0.4188	0.4545	0.5011	0.3390	0.2131	0.1767	0.2119	0.2162	6.0939
.22E	0.22E-06	0.3143	0.3914	0.5364	0.6548	0.5643	0.3881	0.3858	0.3274	0.4188	0.4545	0.5011	0.3390	0.2131	0.1767	0.2119	0.2162	6.0939
.32E	0.32E-06	0.3143	0.3914	0.5364	0.6548	0.5643	0.3881	0.3858	0.3274	0.4180	0.4545	0.5011	0.3365	0.2131	0.1767	0.2119	0.2162	6.0906
.48E	0.48E-06	0.3142	0.3910	0.5364	0.6546	0.5643	0.3881	0.3838	0.3266	0.4179	0.4540	0.4990	0.3316	0.2112	0.1767	0.2119	0.2162	6.0774
.70E	0.70E-06	0.3121	0.3903	0.5361	0.6545	0.5643	0.3881	0.3837	0.3266	0.4177	0.4467	0.4938	0.3268	0.2110	0.1767	0.2100	0.2162	6.0546
.10E	0.10E-05	0.3116	0.3896	0.5356	0.6542	0.5624	0.3879	0.3828	0.3243	0.4098	0.4371	0.4912	0.3192	0.2075	0.1761	0.2090	0.2122	6.0107
.15E	0.15E-05	0.3100	0.3869	0.5340	0.6540	0.5622	0.3869	0.3809	0.3202	0.4061	0.4336	0.4779	0.2997	0.1999	0.1700	0.2074	0.2084	5.9380
.20E	0.20E-05	0.2982	0.3840	0.5314	0.6508	0.5594	0.3847	0.3783	0.3170	0.4030	0.4226	0.4647	0.2841	0.1828	0.1549	0.1897	0.2035	5.8091
.30E	0.30E-05	0.2645	0.3704	0.5217	0.6454	0.5564	0.3765	0.3759	0.3115	0.3952	0.4086	0.4300	0.2420	0.1369	0.1242	0.1651	0.1873	5.5116
.40E	0.40E-05	0.2489	0.3604	0.5138	0.6365	0.5418	0.3693	0.3652	0.3056	0.3840	0.3858	0.3914	0.2016	0.1124	0.1043	0.1337	0.1656	5.2204
.50E	0.50E-05	0.2199	0.3469	0.5042	0.6300	0.5333	0.3614	0.3589	0.2860	0.3637	0.3495	0.3551	0.1703	0.0903	0.0772	0.1103	0.1454	4.9025
.70E	0.70E-05	0.1756	0.2982	0.4732	0.6142	0.5143	0.3373	0.3373	0.2655	0.3111	0.3106	0.2895	0.1223	0.0661	0.0515	0.0774	0.1108	4.3548
.85E	0.85E-05	0.1483	0.2719	0.4533	0.5981	0.4985	0.3084	0.3050	0.2377	0.2817	0.2595	0.2321	0.0889	0.0446	0.0336	0.0546	0.0917	3.9079
.10E	0.10E-04	0.1304	0.2443	0.4348	0.5763	0.4769	0.2834	0.2783	0.2156	0.2570	0.2314	0.2051	0.0638	0.0357	0.0237	0.0434	0.0741	3.5743
.15E	0.15E-04	0.0648	0.1671	0.3652	0.5269	0.3965	0.2113	0.2045	0.1427	0.1793	0.1386	0.1067	0.0186	0.0163	0.0063	0.0202	0.0369	2.6019
.20E	0.20E-04	0.0251	0.1140	0.2814	0.4664	0.3200	0.1436	0.1354	0.0895	0.1161	0.0864	0.0605	0.0058	0.0079	0.0042	0.0062	0.0156	1.8782
.25E	0.25E-04	0.0070	0.0750	0.2099	0.4245	0.2613	0.0886	0.0966	0.0604	0.0800	0.0564	0.0277	0.0022	0.0041	0.0018	0.0032	0.0061	1.4048
.30E	0.30E-04	0.0031	0.0444	0.1677	0.3925	0.2160	0.0634	0.0686	0.0389	0.0523	0.0410	0.0138	0.0008	0.0026	0.0018	0.0008	0.0000	1.1076
.35E	0.35E-04	0.0001	0.0295	0.1242	0.3664	0.1655	0.0366	0.0424	0.0207	0.0398	0.0306	0.0072	0.0000	0.0006	0.0000	0.0000	0.0000	0.8636
.40E	0.40E-04	0.0001	0.0185	0.0992	0.3371	0.1420	0.0269	0.0289	0.0136	0.0309	0.0205	0.0034	0.0000	0.0000	0.0000	0.0000	0.0000	0.7212
.50E	0.50E-04	0.0000	0.0089	0.0594	0.2834	0.1018	0.0139	0.0129	0.0055	0.0168	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5138
.60E	0.60E-04	0.0000	0.0025	0.0360	0.2419	0.0650	0.0096	0.0082	0.0015	0.0076	0.0041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3764
.70E	0.70E-04	0.0000	0.0021	0.0231	0.2002	0.0478	0.0035	0.0050	0.0011	0.0030	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2885
.85E	0.85E-04	0.0000	0.0000	0.0102	0.1485	0.0307	0.0000	0.0021	0.0010	0.0013	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1953
.10E	0.10E-03	0.0000	0.0000	0.0072	0.1078	0.0174	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1324
.13E	0.13E-03	0.0000	0.0000	0.0033	0.0669	0.0039	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0741
.17E	0.17E-03	0.0000	0.0000	0.0011	0.0263	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0288
.20E	0.20E-03	0.0000	0.0000	0.0009	0.0106	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0129
.25E	0.25E-03	0.0000	0.0000	0.0000	0.0013	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022
.30E	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.35E	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.50E	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.60E	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.70E	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.85E	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.10E	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.14E	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.20E	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.30E	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.40E	0.40E-02																	

L YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 62
EVAT 0ELEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABII PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
6 16

NTI: QUANTIZED

VEL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000
10E-	0.10E-09	0.3143	0.3914	0.5364	0.6548	0.5643	0.3881	0.3858	0.3274	0.4188	0.4545	0.5011	0.3390	0.2131	0.1767	0.2119	0.2162	6.0939
35E-	0.35E-08	0.3143	0.3914	0.5364	0.6548	0.5643	0.3881	0.3858	0.3274	0.4188	0.4545	0.5011	0.3390	0.2131	0.1767	0.2119	0.2162	6.0939
10E-	0.10E-07	0.3137	0.3898	0.5361	0.6545	0.5643	0.3871	0.3838	0.3247	0.4174	0.4465	0.4936	0.3176	0.2100	0.1761	0.2088	0.2158	6.0396
25E-	0.25E-07	0.3030	0.3841	0.5314	0.6514	0.5600	0.3825	0.3791	0.3168	0.4008	0.4197	0.4745	0.3022	0.1992	0.1740	0.2070	0.2099	5.8957
70E-	0.70E-07	0.2953	0.3798	0.5252	0.6486	0.5574	0.3755	0.3777	0.3130	0.3932	0.4131	0.4400	0.2753	0.1777	0.1559	0.1909	0.2031	5.7218
10E-	0.10E-06	0.2780	0.3731	0.5241	0.6457	0.5563	0.3725	0.3763	0.3118	0.3866	0.4104	0.4280	0.2450	0.1417	0.1346	0.1680	0.1890	5.5409
15E-	0.15E-06	0.2503	0.3551	0.5120	0.6352	0.5427	0.3619	0.3631	0.3032	0.3766	0.3769	0.3789	0.1960	0.1111	0.1002	0.1361	0.1732	5.1725
22E-	0.22E-06	0.2022	0.3297	0.4967	0.6265	0.5226	0.3498	0.3511	0.2790	0.3388	0.3314	0.3185	0.1395	0.0737	0.0628	0.0930	0.1263	4.6416
32E-	0.32E-06	0.1505	0.2719	0.4571	0.6029	0.5000	0.3120	0.3124	0.2478	0.2955	0.2707	0.2304	0.0935	0.0470	0.0356	0.0599	0.0917	3.9789
48E-	0.48E-06	0.0993	0.2003	0.4081	0.5539	0.4478	0.2490	0.2501	0.1833	0.2296	0.1886	0.1484	0.0354	0.0225	0.0126	0.0293	0.0529	3.1111
70E-	0.70E-06	0.0424	0.1396	0.3247	0.5057	0.3717	0.1857	0.1767	0.1217	0.1567	0.1142	0.0790	0.0084	0.0139	0.0047	0.0103	0.0236	2.2790
10E-	0.10E-05	0.0073	0.0779	0.2186	0.4285	0.2692	0.0981	0.0969	0.0636	0.0837	0.0624	0.0304	0.0022	0.0046	0.0018	0.0032	0.0039	1.4522
15E-	0.15E-05	0.0001	0.0259	0.1159	0.3605	0.1616	0.0361	0.0394	0.0186	0.0393	0.0295	0.0063	0.0000	0.0006	0.0000	0.0000	0.0000	0.8337
20E-	0.20E-05	0.0000	0.0092	0.0644	0.2954	0.1054	0.0159	0.0163	0.0081	0.0203	0.0146	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.5503
30E-	0.30E-05	0.0000	0.0003	0.0210	0.1896	0.0466	0.0024	0.0042	0.0010	0.0029	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2708
40E-	0.40E-05	0.0000	0.0000	0.0054	0.1153	0.0201	0.0000	0.0000	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1418
50E-	0.50E-05	0.0000	0.0000	0.0035	0.0709	0.0097	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0841
70E-	0.70E-05	0.0000	0.0000	0.0009	0.0180	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0203
85E-	0.85E-05	0.0000	0.0000	0.0000	0.0042	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054
10E-	0.10E-04	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008
15E-	0.15E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

, YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 63
UND 0GROUND RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABII PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
'2 72

NTI: QUANTIZED

EVEL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
.00E	0.00E+00 1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.10E	0.10E-09 0.7290	0.8128	0.9622	0.9913	0.9775	0.8576	0.8701	0.8459	0.8626	0.8900	0.9176	0.7820	0.5749	0.5112	0.5767	0.5777	12.7390	
.35E	0.35E-08 0.7290	0.8128	0.9349	0.9745	0.9744	0.8576	0.8701	0.8459	0.8626	0.8900	0.9176	0.7820	0.5749	0.5112	0.5767	0.5777	12.6919	
.10E	0.10E-07 0.7290	0.8128	0.9349	0.9745	0.9744	0.8576	0.8701	0.8459	0.8626	0.8900	0.9176	0.7820	0.5749	0.5112	0.5767	0.5777	12.6919	
.25E	0.25E-07 0.7290	0.8128	0.9349	0.9745	0.9744	0.8576	0.8701	0.8459	0.8626	0.8900	0.9176	0.7820	0.5749	0.5112	0.5767	0.5777	12.6919	
.70E	0.70E-07 0.7290	0.8128	0.9349	0.9745	0.9744	0.8576	0.8701	0.8459	0.8618	0.8900	0.9176	0.7820	0.5749	0.5112	0.5767	0.5777	12.6911	
.10E	0.10E-06 0.7290	0.8127	0.9349	0.9743	0.9744	0.8576	0.8639	0.8459	0.8618	0.8900	0.9176	0.7816	0.5749	0.5112	0.5767	0.5777	12.6842	
.15E	0.15E-06 0.7290	0.8123	0.9349	0.9743	0.9744	0.8576	0.8637	0.8459	0.8615	0.8858	0.9113	0.7737	0.5699	0.5112	0.5740	0.5777	12.6574	
.22E	0.22E-06 0.7290	0.8122	0.9349	0.9741	0.9744	0.8576	0.8628	0.8377	0.8501	0.8800	0.9111	0.7696	0.5628	0.5106	0.5732	0.5693	12.6095	
.32E	0.32E-06 0.7290	0.8121	0.9349	0.9741	0.9744	0.8566	0.8628	0.8334	0.8441	0.8749	0.9083	0.7441	0.5538	0.5023	0.5724	0.5599	12.5371	
.48E	0.48E-06 0.7145	0.8105	0.9348	0.9728	0.9742	0.8538	0.8620	0.8331	0.8435	0.8646	0.8955	0.7176	0.5140	0.4634	0.5490	0.5481	12.3514	
.70E	0.70E-06 0.6703	0.8001	0.9306	0.9726	0.9735	0.8521	0.8605	0.8188	0.8324	0.8546	0.8753	0.6527	0.4564	0.4087	0.5095	0.5233	11.9914	
.10E	0.10E-05 0.6445	0.7958	0.9291	0.9717	0.9658	0.8436	0.8518	0.7903	0.8100	0.8290	0.8486	0.5957	0.3853	0.3502	0.4392	0.4747	11.5252	
.15E	0.15E-05 0.5550	0.7582	0.9092	0.9688	0.9449	0.8277	0.8280	0.7534	0.7871	0.7962	0.7830	0.5116	0.3166	0.2773	0.3295	0.3919	10.7385	
.20E	0.20E-05 0.5192	0.7059	0.9016	0.9535	0.9362	0.8019	0.8076	0.7035	0.7686	0.7526	0.7244	0.4167	0.2334	0.1951	0.2420	0.3279	9.9903	
.30E	0.30E-05 0.4160	0.6306	0.8631	0.9318	0.9045	0.7390	0.7179	0.5768	0.7087	0.6587	0.6134	0.2711	0.1537	0.1007	0.1693	0.2405	8.6958	
.40E	0.40E-05 0.3234	0.5439	0.8244	0.9225	0.8725	0.6912	0.6587	0.5092	0.6139	0.5546	0.4985	0.1737	0.0910	0.0535	0.1014	0.1831	7.6156	
.50E	0.50E-05 0.2304	0.4643	0.7678	0.9091	0.8498	0.5790	0.5960	0.4199	0.5468	0.4879	0.4395	0.1164	0.0566	0.0361	0.0743	0.1258	6.6997	
.70E	0.70E-05 0.1224	0.3680	0.6855	0.8630	0.7619	0.4364	0.4502	0.2990	0.3847	0.3289	0.2924	0.0441	0.0289	0.0075	0.0365	0.0644	5.1737	
.85E	0.85E-05 0.0700	0.2920	0.6127	0.8442	0.6951	0.3476	0.3565	0.2325	0.2920	0.2547	0.2001	0.0219	0.0089	0.0015	0.0164	0.0346	4.2807	
.10E	0.10E-04 0.0390	0.2352	0.5397	0.8217	0.6542	0.2719	0.2895	0.1739	0.2261	0.2053	0.1350	0.0024	0.0061	0.0000	0.0041	0.0252	3.6293	
.15E	0.15E-04 0.0038	0.0976	0.3590	0.7463	0.5025	0.1136	0.1176	0.0485	0.1167	0.0822	0.0289	0.0000	0.0000	0.0000	0.0000	0.0034	2.2201	
.20E	0.20E-04 0.0000	0.0358	0.2363	0.6807	0.3522	0.0477	0.0389	0.0159	0.0522	0.0297	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.4894	
.25E	0.25E-04 0.0000	0.0122	0.1636	0.6008	0.2311	0.0182	0.0098	0.0000	0.0226	0.0090	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0672	
.30E	0.30E-04 0.0000	0.0045	0.1014	0.5451	0.1534	0.0097	0.0019	0.0000	0.0138	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.8324	
.35E	0.35E-04 0.0000	0.0000	0.0572	0.4677	0.1040	0.0038	0.0000	0.0000	0.0087	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6413	
.40E	0.40E-04 0.0000	0.0000	0.0422	0.3937	0.0740	0.0000	0.0000	0.0000	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5126	
.50E	0.50E-04 0.0000	0.0000	0.0227	0.2674	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3234	
.60E	0.60E-04 0.0000	0.0000	0.0118	0.1864	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2119	
.70E	0.70E-04 0.0000	0.0000	0.0011	0.1162	0.0078	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1251	
.85E	0.85E-04 0.0000	0.0000	0.0000	0.0744	0.0054	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0798	
.10E	0.10E-03 0.0000	0.0000	0.0000	0.0380	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0401	
.13E	0.13E-03 0.0000	0.0000	0.0000	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	
.17E	0.17E-03 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.20E	0.20E-03 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.25E	0.25E-03 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.30E	0.30E-03 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.35E	0.35E-03 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.40E	0.40E-03 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.50E	0.50E-03 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.60E	0.60E-03 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.70E	0.70E-03 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.85E	0.85E-03 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.10E	0.10E-02 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.14E	0.14E-02 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.20E	0.20E-02 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.30E	0.30E-02 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.40E	0.40E-02 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.40E	0.40E-02																	

L YE 1PPL YEAR 2000 DT 60-10A 8-NOV-04•••

EVAT 0ELEVATED RELEASE PAGE 64

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

BABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

72 72

ANTI EVEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
.00E	0.00E+00 1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.10E	0.10E-09 0.7290	0.8128	0.9349	0.9745	0.9744	0.8576	0.8701	0.8459	0.8626	0.8900	0.9176	0.7820	0.5749	0.5112	0.5767	0.5777	12.6919	
.35E	0.35E-08 0.7265	0.8113	0.9348	0.9741	0.9744	0.8566	0.8621	0.8436	0.8548	0.8704	0.9103	0.7438	0.5672	0.5048	0.5729	0.5772	12.5849	

.0E-(	0.10E-07	0.7108	0.8104	0.9340	0.9728	0.9744	0.8461	0.8621	0.8259	0.8387	0.8626	0.8959	0.7252	0.5418	0.4889	0.5707	0.5600	12.4204
5E-(	0.25E-07	0.6806	0.8005	0.9306	0.9726	0.9735	0.8427	0.8565	0.8201	0.8275	0.8508	0.8572	0.6418	0.4558	0.4098	0.4965	0.5188	11.9353
0E-(	0.70E-07	0.5290	0.7159	0.9033	0.9596	0.9395	0.8047	0.8147	0.7418	0.7796	0.7590	0.7193	0.4100	0.2453	0.2328	0.2664	0.3589	10.1798
.0E-(	0.10E-06	0.4556	0.6733	0.8809	0.9411	0.9248	0.7588	0.7583	0.6623	0.7410	0.6917	0.6298	0.2979	0.1727	0.1171	0.2050	0.2792	9.1896
.5E-(	0.15E-06	0.3306	0.5780	0.8442	0.9284	0.8760	0.7055	0.6884	0.5380	0.6444	0.5707	0.5019	0.1832	0.0879	0.0539	0.1086	0.1947	7.8344
2E-(	0.22E-06	0.1945	0.4474	0.7630	0.9080	0.8306	0.5437	0.5677	0.3879	0.5079	0.4341	0.3788	0.0837	0.0526	0.0242	0.0598	0.1035	6.2874
2E-(	0.32E-06	0.0884	0.3123	0.6424	0.8571	0.7274	0.3816	0.4008	0.2615	0.3301	0.2804	0.2061	0.0251	0.0163	0.0066	0.0212	0.0406	4.5979
8E-(	0.48E-06	0.0144	0.1723	0.4611	0.8063	0.5904	0.2063	0.2076	0.1084	0.1789	0.1587	0.0752	0.0000	0.0000	0.0000	0.0000	0.0049	2.9845
0E-(	0.70E-06	0.0000	0.0534	0.3066	0.7202	0.4568	0.0791	0.0906	0.0280	0.0978	0.0592	0.0113	0.0000	0.0000	0.0000	0.0000	0.0000	1.9032
0E-(	0.10E-05	0.0000	0.0180	0.1694	0.6168	0.2600	0.0210	0.0148	0.0000	0.0291	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1444
.5E-(	0.15E-05	0.0000	0.0000	0.0522	0.4587	0.0975	0.0000	0.0000	0.0000	0.0065	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6148
0E-(	0.20E-05	0.0000	0.0000	0.0226	0.2830	0.0377	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3433
0E-(	0.30E-05	0.0000	0.0000	0.0000	0.1063	0.0057	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1120
0E-(	0.40E-05	0.0000	0.0000	0.0000	0.0256	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0256
0E-(	0.50E-05	0.0000	0.0000	0.0000	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015
0E-(	0.70E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-(	0.85E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.0E-(	0.10E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.5E-(	0.15E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.20E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-(	0.25E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.30E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-(	0.35E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.40E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.50E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.60E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-(	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.40E-02																	

YEA 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 65

JND 0GROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

4 624

NTIZ VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9970	1.0000	1.0000	15.9970	
35E-	0.35E-08	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9970	1.0000	1.0000	15.9970	
10E-	0.10E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9970	1.0000	1.0000	15.9970	
25E-	0.25E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9970	1.0000	1.0000	15.9970	
70E-	0.70E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9831	1.0000	1.0000	15.9831	
10E-	0.10E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9776	1.0000	1.0000	15.9776	

15E-	0.15E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9324	1.0000	1.000015.9324	
22E-	0.22E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9989	0.9083	0.9925	0.980515.8801	
32E-	0.32E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9816	0.8732	0.9666	0.958915.7803	
48E-	0.48E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9040	0.7806	0.9276	0.934715.5469	
70E-	0.70E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9986	0.7785	0.7063	0.8363	0.873115.1928	
10E-	0.10E-05	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9518	0.5792	0.5061	0.6452	0.751114.4334	
15E-	0.15E-05	0.9216	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.7340	0.3279	0.2030	0.3911	0.581713.1592	
20E-	0.20E-05	0.8378	0.9745	1.0000	1.0000	1.0000	1.0000	1.0000	0.9900	1.0000	1.0000	0.9894	0.4612	0.2068	0.0631	0.2026	0.360012.0855	
30E-	0.30E-05	0.5195	0.9006	1.0000	1.0000	1.0000	1.0000	0.9744	0.9144	0.9983	0.9474	0.9139	0.1965	0.0426	0.0000	0.0808	0.147110.6355	
40E-	0.40E-05	0.1812	0.7946	1.0000	1.0000	1.0000	0.9984	0.9043	0.8267	0.9348	0.8723	0.7689	0.0691	0.0000	0.0000	0.0005	0.0721	9.4229
50E-	0.50E-05	0.0374	0.6586	1.0000	1.0000	1.0000	0.9063	0.8289	0.5369	0.8330	0.7164	0.5123	0.0000	0.0000	0.0000	0.0000	0.0364	8.0662
70E-	0.70E-05	0.0000	0.3444	0.9221	1.0000	1.0000	0.4849	0.5352	0.1134	0.3998	0.3568	0.0952	0.0000	0.0000	0.0000	0.0000	0.0000	5.2518
85E-	0.85E-05	0.0000	0.1994	0.8100	1.0000	0.9946	0.2097	0.3239	0.0054	0.2323	0.0896	0.0404	0.0000	0.0000	0.0000	0.0000	0.0000	3.9054
10E-	0.10E-04	0.0000	0.1365	0.6854	1.0000	0.9729	0.1197	0.1489	0.0000	0.1239	0.0128	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	3.2002
15E-	0.15E-04	0.0000	0.0000	0.4115	1.0000	0.6534	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0650
20E-	0.20E-04	0.0000	0.0000	0.2026	0.9594	0.2929	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.4549
25E-	0.25E-04	0.0000	0.0000	0.0387	0.8531	0.1099	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0017
30E-	0.30E-04	0.0000	0.0000	0.0000	0.6911	0.0179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.7090
35E-	0.35E-04	0.0000	0.0000	0.0000	0.5493	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5493
40E-	0.40E-04	0.0000	0.0000	0.0000	0.3084	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3084
50E-	0.50E-04	0.0000	0.0000	0.0000	0.1163	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1163
60E-	0.60E-04	0.0000	0.0000	0.0000	0.0848	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0848
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0374	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0374
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

. YE/ 1PPL YEAR 2000 DT 60-10A 8-NOV-04••• PAGE 66
:VAT: 0ELEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABII PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
:4 624

ANTI:	QUANTIZED																	
VEL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.000016.0000	
10E-	0.10E-09	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9970	1.0000	1.000015.9970		
35E-	0.35E-08	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9396	1.0000	1.000015.9396		
10E-	0.10E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9816	0.8741	0.9656	0.980415.8017	
25E-	0.25E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9983	0.7817	0.7136	0.8549	0.900315.2489	
70E-	0.70E-07	0.8468	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9965	1.0000	1.0000	0.9945	0.4661	0.2558	0.0850	0.2836	0.447712.3760	
10E-	0.10E-06	0.6671	0.9328	1.0000	1.0000	1.0000	1.0000	0.9976	0.9429	0.9992	0.9800	0.9498	0.2300	0.0694	0.0011	0.1033	0.230111.1034	
15E-	0.15E-06	0.2401	0.8120	1.0000	1.0000	1.0000	0.9999	0.9184	0.8606	0.9614	0.8925	0.7932	0.0771	0.0003	0.0000	0.0171	0.0726	9.6451
22E	0.22E-06	0.0032	0.5842	0.9894	1.0000	1.0000	0.8142	0.7898	0.4724	0.7642	0.6449	0.3187	0.0000	0.0000	0.0000	0.0000	0.0076	7.3886
32E-	0.32E-06	0.0000	0.2308	0.8795	1.0000	0.9979	0.2927	0.4178	0.0558	0.2793	0.1969	0.0445	0.0000	0.0000	0.0000	0.0000	0.0000	4.3953
48E-	0.48E-06	0.0000	0.0136	0.5260	1.0000	0.8913	0.0767	0.0352	0.0000	0.0554	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.6002

70E-	0.70E-06	0.0000	0.0000	0.3096	0.9914	0.5719	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.8729
10E-	0.10E-05	0.0000	0.0000	0.0368	0.8561	0.1203	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0131
15E-	0.15E-05	0.0000	0.0000	0.0000	0.4514	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4514
20E-	0.20E-05	0.0000	0.0000	0.0000	0.1231	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1231
30E-	0.30E-05	0.0000	0.0000	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010
40E-	0.40E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15E-	0.15E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-021																	

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*   PPL YEAR 2001 DT 60-10A                 *
*                                           *
*   REQUEST NUMBER BS#0411-01               *
*                                           *
*   PERIOD OF RECORD   1 1 1 1 0 TO  1123124 0 *
*                                           *
*   COMPUTER RUN OF   8-NOV-04***           *
*                                           *
*   TAPE 3 SAVE FILE  FILE3NAME             *
*                                           *
```

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1                                                  ***********************************************

                                                   ***********************************************
                                                   *                                             *
                                                   *   PPL YEAR 2001 DT 60-10A                   *
                                                   *                                             *
                                                   *   REQUEST NUMBER BS#0411-01                 *
                                                   *                                             *
                                                   *   PERIOD OF RECORD   1 1 1 1 0 TO  1123124 0 *
                                                   *                                             *
                                                   *   COMPUTER RUN OF   8-NOV-04***             *
                                                   *                                             *
                                                   *   TAPE 3 SAVE FILE  FILE3NAME               *
                                                   *                                             *
                                                   ***********************************************
'L YE    1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                                PAGE      1
LUTI     0DILUTION PROCESSING SELECTED

NDOW      WINDOW OPTION SELECTED
TS C      NRTS OPTION IS  0   DISTANCE EXPONENTS FOR SIGMA Y      0.00      0.00
EVAT     0ELEVATER X/Q COMPUTED FOR PEAK BEYOND DISTANCE READ IN
 PIL     0NO PLUME RISE SELECTED
EED      0SPEED LESS THAN  0.0 USE ELEVATED EQUATIONS FOR GROUND COMPUTATION
ANCH     0BRANCH TECNICAL POSITION PROCESSING FOR MEANDER SELECTED
R HC     0FOR HORIZONTAL DIFFUSION
SQUI      PASQUILL DIFFUSION SELECTED
R VE     0FOR VERTICAL DIFFUSION
SQUI      PASQUILL DIFFUSION SELECTED
LMS      0CALMS PROCESSING ----   2
ALM        CALM       SPEED        DIRECTION       DIFFUSION       SPEED GROUP     FACTOR
 1.          1.       CARDS          CALM HR         CARDS           CARDS         YES
 2           2        CARDS          CALM HR         CALM HR         CARDS         NO
 3           3     NON CALM HR    NON CALM HR     NON CALM HR     NON CALM HR      NO
 4           4        CARDS       NON CALM HR        CARDS           CARDS         YES
 5           5        CARDS       NON CALM HR        CALM HR         CARDS         NO

ENTE     0 CENTERLINE, AVERAGE CUT OFF AT   8 HOURS
'L YE    1PPL YEAR 2001 DT 60-10A           8-NOV-04***                                                PAGE      2
INDX     0 WINDOW LENGTHS SELECTED
                1          2          8          16         72         624
EEDS     0SPEEDS EXCLUDED LT      0
OUP      0GROUP SPEED UPPER LIMIT
 1           1        0.5
 2           2        3.5
 3           3        7.5
 4           4       12.5
 5           5      999.0

OUP      0GROUP UPPER TEMPERATURE LIMIT
 1           1        -10
```

```
 2          2        -9
 3          3        -8
 4          4        -3
 5          5         8
 6          6        24
 7          7        24+
UP 1    0GROUP RANGE UPPER LIMIT
 7          7        12
 6          6        22
 5          5        45
 4          4        75
 3          3       105
 2          2       135
 1          1       360
UP 1    0GROUP S UPPER LIMITS
 7          7       0.0
 6          6       0.0
 5          5       0.0
 4          4       0.0
 3          3       0.0
 2          2       0.0
 1 (        1 GT    0.0
E S(     SITE SQ
' SE     MET SELECTION
ED       SPEED          1
ECT      DIRECTION      1
TE       DELTE TEMP     1
' BU     DRY BULB       1
 PO      DEW POINT
. YE     1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                    PAGE     3


                                    PASQUILL GROUPS
D GI     WIND GROUP                   TEMPERATURE GROUP
                          A        B        C        D        E        F        G
                 1        1        2        3        4        5        6        7
                 2        1        2        3        4        5        6        7
                 3        1        2        3        4        5        6        7
                 4        1        2        3        4        5        6        7
                 5        1        2        3        4        5        6        7


NTI:     QUANTIZATION LEVELS
.10(       0.100000E-09   0.350000E-08   0.100000E-07   0.250000E-07   0.700000E-07   0.100000E-06   0.150000E-06
.22(       0.220000E-06   0.320000E-06   0.480000E-06   0.700000E-06   0.100000E-05   0.150000E-05   0.200000E-05
.30(       0.300000E-05   0.400000E-05   0.500000E-05   0.700000E-05   0.850000E-05   0.100000E-04   0.150000E-04
.20(       0.200000E-04   0.250000E-04   0.300000E-04   0.350000E-04   0.400000E-04   0.500000E-04   0.600000E-04
.70(       0.700000E-04   0.850000E-04   0.100000E-03   0.130000E-03   0.170000E-03   0.200000E-03   0.250000E-03
.30(       0.300000E-03   0.350000E-03   0.400000E-03   0.500000E-03   0.600000E-03   0.700000E-03   0.850000E-03
.10(       0.100000E-02   0.140000E-02   0.200000E-02   0.300000E-02   0.400000E-02
UPPI     0   UPPER HEIGHT   LOWER HEIGHT   EXPONENTS FOR SPEED CORRECTION      EXPONENTS FOR RANGE CORRECTION
                 33.0           33.0 0.250 0.250 0.250 0.330 0.500 0.500 0.500    0.000 0.000 0.000 0.000 0.000 0.000 0.000
ONE      0EXPONENTIAL SPEED CORRECTION TO BE PERFORMED
QUI      FASQUILL DIFFUSION GROUPS USED AS EXPONENT SELECTOR
TA       0DELTA TEMPERATURE CORRECTION =    0.100000E+01
ILD      0 BUILDING WAKE LIMIT ON X/Q SET TO 1/3
MA       SIGMA REDUCTION FACTORS 1.00 1.00
IGA      0FUMIGATION OFF
```

RIZO HORIZONTAL DIFFUSION COEFFICIENTS GROUND RELEASE(SIGY, NO DELTA DISTANCE)

N	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
NNE	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
NE	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
ENE	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
E	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
ESE	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
SE	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
SSE	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
S	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
SSW	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
SW	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
WSW	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
W	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
WNW	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
NW	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02
NNW	0.117820E+03	0.868600E+02	0.629000E+02	0.423320E+02	0.309460E+02	0.219600E+02	0.144800E+02	0.544100E+02

RTIC OVERTICAL DIFFUSION COEFFICIENTS(LE. 8) GROUND RELEASE(SIG24, NO DELTA DISTANCE)

N	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
NNE	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
NE	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
ENE	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
E	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
ESE	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
SE	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
SSE	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
S	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
SSW	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
SW	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
WSW	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
W	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
WNW	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
NW	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
NNW	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02

RTIC OVERTICAL DIFFUSION COEFFICIENTS(GT. 8) GROUND RELEASE(SIGAV, WITH DELTA DISTANCE)

N	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
NNE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
NE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
ENE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
E	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
ESE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SSE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
S	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SSW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
WSW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
W	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
WNW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
NW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
NNW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02

RIZO 0HORIZONTAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(SIYEL, NO DELTA DISTANCE)

N	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NNE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
ENE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
E	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
ESE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03

```
          SE    0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
E         SSE   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
          S     0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
W         SSW   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
          SW    0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
W         WSW   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
          W     0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
W         WNW   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
          NW    0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
W         NNW   0.844050E+03  0.629240E+03  0.455295E+03  0.309620E+03  0.222561E+03  0.153156E+03  0.990590E+02  0.377890E+03
RTIC      OVERTICAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(SIZEL, NO DELTA DISTANCE)
          N     0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
E         NNE   0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
          NE    0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
E         ENE   0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
          E     0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
E         ESE   0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
          SE    0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
E         SSE   0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
          S     0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
W         SSW   0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
          SW    0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
W         WSW   0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
          W     0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
W         WNW   0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
          NW    0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
W         NNW   0.100000E+04  0.100000E+04  0.252215E+03  0.927510E+02  0.586160E+02  0.314810E+02  0.210675E+02  0.156194E+03
RTIC      OVERTICAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(GT.  8) GROUND RELEASE(SIZAV, WITH DELTA DISTANCE)
          N     0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
E         NNE   0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
          NE    0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
E         ENE   0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
          E     0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
E         ESE   0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
          SE    0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
E         SSE   0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
          S     0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
W         SSW   0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
          SW    0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
W         WSW   0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
          W     0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
W         WNW   0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
          NW    0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03
W         NNW   0.100029E+04  0.100029E+04  0.253348E+03  0.957899E+02  0.633150E+02  0.395476E+02  0.318873E+02  0.158017E+03

L YR      1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                                          PAGE      6
LTA       DELTA DISTANCE
            0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00
TE:       NOTE: THE FOLLOWING DISTANCES ARE ENTERED IN WIND
            GROUPS FROM - NOT TOWARDS, E.G. GROUP 1 IS FROM N WHERE
            DISTANCE IS THE VALUE FROM PLANT TO SOUTH BOUNDARY
OUND      GROUND RELEASE DISTANCE ELEVATED RELEASE DISTANCE
          N          549.0          4827.0
E         NNE        549.0          4827.0
          NE         549.0          4827.0
E         ENE        549.0          4827.0
          E          549.0          4827.0
E         ESE        549.0          4827.0
          SE         549.0          4827.0
E         SSE        549.0          4827.0
          S          549.0          4827.0
```

```
N        SSW        549.0              4827.0
         SW         549.0              4827.0
N        WSW        549.0              4827.0
          W         549.0              4827.0
N        WNW        549.0              4827.0
         NW         549.0              4827.0
N        NNW        549.0              4827.0

ILDI     BUILDING WAKE EFFECTS,C =     0.500 A =  2685.000 EFFECTIVE STACK HEIGHT        0.0
R CA     FOR CALMS    ISPG =     1   KWRGY =     0   KWRGZ =     0   FIXED SPEED =       0.4
SIGM       SIGMS Y GROUP FACTOR =  1.00SIGMA Z GROUP FACTOR =  1.00DELTA HEIGHT =164.0
NIMU     MINIMUM NON ZERO SPEED =  0.8
DJUS      ADJUSTED STACK HEIGHT PARAMETERS  C =      0.00 VS =      0.00 DIAMETER =      0.00 RELEASE RATE =  0.0000E+00
EIGH      HEIGHT OF CONTAINMENT=  60.0
X VA     MAX VALUE OF SIGMA=    1000.0
rrai    . terrain factor for plume height adjustment   0.00
L YE     1PPL YEAR 2001 DT 60-10A              8-NOV-04***                                                    PAGE      7
TE       ODATE      TEMP GP SPED GP   DIR   GP   RA  RB RANG IRY IRZ      XQ LE   8      XQ GT   8  XQ(ELEV) LE   8  XQ(ELV) GT   8  H2 TER
 1 1      1 1 1 1 0   -4 4   6.1 3   268   W     0   0  360  4  4 1.64 3   0.819073E-04   0.430516E-04   0.361327E-05   0.160996E-05   0.   0.0
 1 1      1 1 1 2 0   -4 4   5.5 3   293  WNW    0   0  360  4  4 1.76 3   0.850982E-04   0.477482E-04   0.393225E-05   0.178560E-05   0.   0.0
 1 1      1 1 1 3 0   -4 4   4.7 3   271   W     0   0  360  4  4 1.94 3   0.901815E-04   0.558755E-04   0.446348E-05   0.208953E-05   0.   0.0
 1 1      1 1 1 4 0   -4 4   7.3 3   301  WNW    0   0  360  4  4 1.47 1   0.753849E-04   0.359746E-04   0.311381E-05   0.134531E-05   0.   0.0
 1 1      1 1 1 5 0   -3 4   7.0 3   327  NNW    0   0  360  4  4 1.51 3   0.778506E-04   0.375164E-04   0.322468E-05   0.140297E-05   0.   0.0
 1 1      1 1 1 6 0   -3 4   3.8 3   328  NNW    0   0  360  4  4 2.00 3   0.108123E-03   0.691092E-04   0.546570E-05   0.258441E-05   0.   0.0
 1 1      1 1 1 7 0   -3 4   3.0 2   312  NW     0   0  360  4  4 2.00 3   0.136956E-03   0.875383E-04   0.692322E-05   0.327359E-05   0.   0.0
 1 1      1 1 1 8 0   -1 5   4.7 3   328  NNW    0   0  360  5  5 2.86 3   0.121758E-03   0.721643E-04   0.849599E-05   0.316126E-05   0.   0.0
 1 1      1 1 1 9 0    3 5   2.1 2   190   S     0   0  360  5  5 3.00 3   0.259391E-03   0.161510E-03   0.186259E-04   0.707521E-05   0.   0.0
 1 1      1 1 110 0    9 6   2.1 2   132  SE     0   0  360  6  6 4.00 3   0.429553E-03   0.253068E-03   0.437540E-04   0.113273E-04   0.   0.0
 1 1      1 1 111 0   -3 4   4.0 3   313  NW     0   0  360  4  4 2.00 3   0.102717E-03   0.656537E-04   0.519242E-05   0.245519E-05   0.   0.0
 1 1      1 1 112 0   -4 4   5.1 3   320  NW     0   0  360  4  4 1.84 3   0.875033E-04   0.514931E-04   0.418013E-05   0.192564E-05   0.   0.0
 1 1      1 1 113 0   -4 4   6.0 3   332  NNW    0   0  360  4  4 1.66 3   0.824086E-04   0.437691E-04   0.366262E-05   0.163680E-05   0.   0.0
 1 1      1 1 114 0   -4 4   5.1 3   327  NNW    0   0  360  4  4 1.84 3   0.875033E-04   0.514931E-04   0.418013E-05   0.192564E-05   0.   0.0
 1 1      1 1 115 0   -6 4   3.1 2   324  NW     0   0  360  4  4 2.00 3   0.132538E-03   0.847145E-04   0.669989E-05   0.316799E-05   0.   0.0
 1 1      1 1 116 0   -5 4   5.2 3    11   N     0   0  360  4  4 1.82 3   0.868784E-04   0.505029E-04   0.411512E-05   0.188861E-05   0.   0.0
 1 1      1 1 117 0   -4 4   6.8 3     6   N     0   0  360  4  4 1.54 3   0.786880E-04   0.386198E-04   0.330331E-05   0.144423E-05   0.   0.0
 1 1      1 1 118 0   -3 4   6.5 3     2   N     0   0  360  4  4 1.58 3   0.800095E-04   0.404023E-04   0.342908E-05   0.151089E-05   0.   0.0
 1 1      1 1 119 0   -1 5   5.7 3     7   N     0   0  360  5  5 2.35 3   0.121758E-03   0.595039E-04   0.755275E-05   0.260666E-05   0.   0.0
 1 1      1 1 120 0   -1 5   6.7 3     7   N     0   0  360  5  5 2.00 3   0.121758E-03   0.506227E-04   0.679801E-05   0.221760E-05   0.   0.0
 1 1      1 1 121 0    1 5   4.6 3    17  NNE    0   0  360  5  5 2.92 3   0.121758E-03   0.737330E-04   0.860344E-05   0.322999E-05   0.   0.0
 1 1      1 1 122 0    1 5   4.6 3    24  NNE    0   0  360  5  5 2.92 3   0.121758E-03   0.737330E-04   0.860344E-05   0.322999E-05   0.   0.0
 1 1      1 1 123 0   -3 4   5.9 3    33  NNE    0   0  360  4  4 1.68 3   0.829214E-04   0.445110E-04   0.371340E-05   0.166454E-05   0.   0.0
 1 1      1 1 124 0   -4 4   4.7 3    31  NNE    0   0  360  4  4 1.94 3   0.901815E-04   0.558755E-04   0.446348E-05   0.208953E-05   0.   0.0
 1 2      1 1 2 1 0   -4 4   4.4 3    19  NNE    0   0  360  4  4 2.00 3   0.933788E-04   0.596852E-04   0.472038E-05   0.223199E-05   0.   0.0
 1 2      1 1 2 2 0   -4 4   3.3 2    34  NE     0   0  360  4  4 2.00 3   0.124505E-03   0.795803E-04   0.629384E-05   0.297599E-05   0.   0.0
 1 2      1 1 2 3 0   -1 5   1.9 2   124  SE     0   0  360  5  5 3.00 3   0.286695E-03   0.178512E-03   0.205865E-04   0.781997E-05   0.   0.0
 1 2      1 1 2 4 0    5 5   3.0 2    58  ENE    0   0  360  5  5 3.00 3   0.181574E-03   0.113057E-03   0.130381E-04   0.495265E-05   0.   0.0
 1 2      1 1 2 5 0   13 6   2.7 2    48  NE     0   0  360  6  6 4.00 3   0.334097E-03   0.196831E-03   0.340309E-04   0.881012E-05   0.   0.0
 1 2      1 1 2 6 0    9 6   2.0 2    95   E     0   0  360  6  6 4.00 3   0.451030E-03   0.265721E-03   0.459417E-04   0.118937E-04   0.   0.0
 1 2      1 1 2 7 0    5 5   1.7 2    74  ENE    0   0  360  5  5 3.00 3   0.320424E-03   0.199513E-03   0.230084E-04   0.873997E-05   0.   0.0
 1 2      1 1 2 8 0   -1 5   1.9 2   107  ESE    0   0  360  5  5 3.00 3   0.286695E-03   0.178512E-03   0.205865E-04   0.781997E-05   0.   0.0
 1 2      1 1 2 9 0   -2 5   1.2 2    96   E     0   0  360  5  5 3.00 3   0.453934E-03   0.282643E-03   0.325953E-04   0.123816E-04   0.   0.0
 1 2      1 1 210 0    1 5   2.0 2    94   E     0   0  360  5  5 3.00 3   0.272360E-03   0.169586E-03   0.195572E-04   0.742897E-05   0.   0.0
 1 2      1 1 211 0    0 5   3.7 3   346  NNW    0   0  360  5  5 3.00 3   0.147222E-03   0.916681E-04   0.105714E-04   0.401566E-05   0.   0.0
 1 2      1 1 212 0   -5 4   7.9 4   345  NNW    0   0  360  4  4 1.40 1   0.696595E-04   0.332424E-04   0.291427E-05   0.124314E-05   0.   0.0
 1 2      1 1 213 0   -4 4   9.5 4   346  NNW    0   0  360  4  4 1.24 1   0.579274E-04   0.276437E-04   0.249227E-05   0.103377E-05   0.   0.0
 1 2      1 1 214 0   -4 4   9.2 4   338  NNW    0   0  360  4  4 1.27 1   0.598163E-04   0.285451E-04   0.256148E-05   0.106748E-05   0.   0.0
 1 2      1 1 215 0   -4 4  10.1 4   343  NNW    0   0  360  4  4 1.20 1   0.544861E-04   0.260015E-04   0.236484E-05   0.972354E-06   0.   0.0
 1 2      1 1 216 0   -4 4  10.1 4   332  NNW    0   0  360  4  4 1.20 1   0.544861E-04   0.260015E-04   0.236484E-05   0.972354E-06   0.   0.0
 1 2      1 1 217 0   -4 4   9.4 4   346  NNW    0   0  360  4  4 1.25 1   0.585436E-04   0.279378E-04   0.251490E-05   0.104476E-05   0.   0.0
 1 2      1 1 218 0   -3 4   6.3 3   351   N     0   0  360  4  4 1.61 3   0.809378E-04   0.416849E-04   0.351865E-05   0.155885E-05   0.   0.0
 1 2      1 1 219 0   -3 4   6.7 3   343  NNW    0   0  360  4  4 1.55 3   0.791195E-04   0.391963E-04   0.334415E-05   0.146579E-05   0.   0.0
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1 2:	1 1 220 0	-2 5	6.2 3	340	NNW	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0
1 2:	1 1 221 0	0 5	6.2 3	329	NNW	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0
1 2:	1 1 222 0	3 5	2.7 2	292	WNW	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1 2:	1 1 223 0	18 6	1.9 2	245	WSW	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
1 2:	1 1 224 0	2 5	2.9 2	164	SSE	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
1 3	1 1 3 1 0	-2 5	2.1 2	152	SSE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 3	1 1 3 2 0	-1 5	3.1 2	149	SSE	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
1 3	1 1 3 3 0	-3 4	3.4 2	130	SE	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
1 3	1 1 3 4 0	-3 4	2.6 2	230	SW	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
1 3	1 1 3 5 0	-4 4	6.0 3	252	WSW	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
1 3	1 1 3 6 0	-4 4	6.9 3	251	WSW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
1 3	1 1 3 7 0	-3 4	4.6 3	257	WSW	0	0	360	4	4	1.97	3	0.909002E-04	0.570902E-04	0.454079E-05	0.213495E-05	0.	0.0

. YE. 1PPL YEAR 2001 DT 60-10A 8-NOV-04•••
TE 0DATE . TEMP GP SPED GP DIR GP RA RB RANG IRY IRZ XQ LE 8 XQ GT 8 XQ(ELEV) LE 8 XQ(ELV) GT 8 H2 TER PAGE 8

1 3	1 1 3 8 0	-3 4	2.2 2	118	ESE	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0
1 3	1 1 3 9 0	-3 4	3.3 2	134	SE	0	0	360	4	4	2.00	3	0.124505E-03	0.795803E-04	0.629384E-05	0.297599E-05	0.	0.0
1 3	1 1 310 0	-4 4	4.0 3	113	ESE	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
1 3.	1 1 311 0	-6 4	3.1 2	194	SSW	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
1 3.	1 1 312 0	-10 1	5.2 3	236	SW	0	0	360	1	1	0.00	1	0.784586E-05	0.108598E-04	0.162146E-06	0.180858E-06	0.	0.0
1 3:	1 1 313 0	-12 1	8.1 4	222	SW	0	0	360	1	1	0.00	1	0.503685E-05	0.697171E-05	0.104094E-06	0.116106E-06	0.	0.0
1 3:	1 1 314 0	-10 1	10.1 4	222	SW	0	0	360	1	1	0.00	1	0.403945E-05	0.559117E-05	0.834810E-07	0.931150E-07	0.	0.0
1 3.	1 1 315 0	-11 1	7.7 4	213	SSW	0	0	360	1	1	0.00	1	0.529850E-05	0.733388E-05	0.109501E-06	0.122138E-06	0.	0.0
1 3:	1 1 316 0	-9 2	8.0 4	216	SW	0	0	360	2	2	0.00	1	0.153441E-04	0.155874E-04	0.141350E-06	0.117558E-06	0.	0.0
1 3	1 1 317 0	-6 4	6.3 3	210	SSW	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
1 3:	1 1 318 0	-2 5	5.3 3	198	SSW	0	0	360	5	5	2.53	3	0.121758E-03	0.639947E-04	0.790374E-05	0.280339E-05	0.	0.0
1 3:	1 1 319 0	2 5	2.9 2	180	S	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
1 3:	1 1 320 0	6 5	3.3 2	187	S	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0
1 3:	1 1 321 0	7 5	3.5 2	208	SSW	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
1 3:	1 1 322 0	18 6	2.0 2	143	SE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
1 3:	1 1 323 0	17 6	1.7 2	78	ENE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1 3:	1 1 324 0	15 6	1.4 2	104	ESE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
1 4	1 1 4 1 0	12 6	1.1 2	116	ESE	0	0	360	6	6	4.00	3	0.820055E-03	0.483129E-03	0.835303E-04	0.216248E-04	0.	0.0
1 4	1 1 4 2 0	12 6	2.4 2	189	S	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
1 4	1 1 4 3 0	3 5	1.7 2	115	ESE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
1 4	1 1 4 4 0	-1 5	1.6 2	79	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 4	1 1 4 5 0	-2 5	1.5 2	82	E	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
1 4	1 1 4 6 0	-3 4	1.7 2	76	ENE	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0
1 4	1 1 4 7 0	-3 4	1.3 2	76	ENE	0	0	360	4	4	2.00	3	0.316051E-03	0.202011E-03	0.159767E-04	0.755444E-05	0.	0.0
1 4	1 1 4 8 0	-2 5	1.5 2	101	E	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
1 4	1 1 4 9 0	-2 5	1.9 2	185	S	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
1 4	1 1 410 0	-3 4	4.0 3	207	SSW	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
1 4	1 1 411 0	-6 4	8.0 4	226	SW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
1 4	1 1 412 0	-6 4	11.4 4	241	WSW	0	0	360	4	4	1.11	1	0.482728E-04	0.230364E-04	0.213015E-05	0.861472E-06	0.	0.0
1 4	1 1 413 0	-7 4	11.1 4	250	WSW	0	0	360	4	4	1.13	1	0.495775E-04	0.236590E-04	0.217994E-05	0.884755E-06	0.	0.0
1 4	1 1 414 0	-7 4	10.6 4	247	WSW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
1 4	1 1 415 0	-6 4	9.8 4	247	WSW	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0
1 4.	1 1 416 0	-6 4	9.6 4	249	WSW	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
1 4	1 1 417 0	-5 4	7.6 4	254	WSW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
1 4	1 1 418 0	-4 4	5.9 3	276	W	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
1 4	1 1 419 0	-2 5	4.0 3	250	WSW	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
1 4:	1 1 420 0	0 5	3.9 3	232	SW	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
1 4:	1 1 421 0	3 5	5.6 3	221	SW	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
1 4	1 1 422 0	4 5	5.4 3	229	SW	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
1 4	1 1 423 0	0 5	2.0 2	96	E	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
1 4	1 1 424 0	1 5	1.8 2	99	E	0	0	360	5	5	3.00	3	0.302623E-03	0.188439E-03	0.217302E-04	0.825441E-05	0.	0.0
1 5	1 1 5 1 0	0 5	1.7 2	86	E	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
1 5	1 1 5 2 0	0 5	1.6 2	103	ESE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 5	1 1 5 3 0	0 5	2.1 2	130	SE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 5	1 1 5 4 0	10 6	1.7 2	93	E	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1 5	1 1 5 5 0	15 6	1.7 2	86	E	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1 5	1 1 5 6 0	18 6	1.8 2	90	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0

1 5	1 1 5 7 0	25 7	1.4 2	92 E	0	0	360	7	7	6.00 3	0.101066E-02	0.588933E-03	0.118301E-03	0.210727E-04	0.	0.0
1 5	1 1 5 8 0	26 7	1.4 2	110 ESE	0	0	360	7	7	6.00 3	0.101066E-02	0.588933E-03	0.118301E-03	0.210727E-04	0.	0.0
1 5	1 1 5 9 0	27 7	2.0 2	165 SSE	0	0	360	7	7	6.00 3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
1 5	1 1 510 0	7 5	2.9 2	182 S	0	0	360	5	5	3.00 3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
1 5	1 1 511 0	-4 4	4.5 3	226 SW	0	0	360	4	4	1.99 3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
1 5	1 1 512 0	-4 4	5.3 3	207 SSW	0	0	360	4	4	1.80 3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
1 5	1 1 513 0	-4 4	3.9 3	194 SSW	0	0	360	4	4	2.00 3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
1 5	1 1 514 0	-4 4	4.6 3	200 SSW	0	0	360	4	4	1.97 3	0.909002E-04	0.570902E-04	0.454079E-05	0.213495E-05	0.	0.0
L YE	1PPL YEAR 2001 DT 60-10A				8-NOV-04•••									PAGE	9	
TE	0DATE	TEMP GP	SPED GP	DIR GP	RA	RB	RANG	IRY	IRZ		XQ LE 8	XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	H2	TER
1 5	1 1 515 0	-4 4	2.5 2	182 S	0	0	360	4	4	2.00 3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
1 5	1 1 516 0	-4 4	3.8 3	190 S	0	0	360	4	4	2.00 3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
1 5	1 1 517 0	-3 4	2.8 2	196 SSW	0	0	360	4	4	2.00 3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0
1 5	1 1 518 0	-2 5	2.1 2	182 S	0	0	360	5	5	3.00 3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 5	1 1 519 0	-1 5	3.0 2	166 SSE	0	0	360	5	5	3.00 3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1 5	1 1 520 0	-2 5	4.0 3	192 SSW	0	0	360	5	5	3.00 3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
1 5	1 1 521 0	-2 5	1.9 2	152 SSE	0	0	360	5	5	3.00 3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
1 5	1 1 522 0	-2 5	1.4 2	79 E	0	0	360	5	5	3.00 3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
1 5	1 1 523 0	-3 4	1.1 2	106 ESE	0	0	360	4	4	2.00 3	0.373515E-03	0.238741E-03	0.188815E-04	0.892798E-05	0.	0.0
1 5	1 1 524 0	-2 5	1.2 2	134 SE	0	0	360	5	5	3.00 3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
1 6	1 1 6 1 0	-3 4	1.0 2	58 ENE	0	0	360	4	4	2.00 3	0.410867E-03	0.262615E-03	0.207697E-04	0.982078E-05	0.	0.0
1 6	1 1 6 2 0	-3 4	1.1 2	72 ENE	0	0	360	4	4	2.00 3	0.373515E-03	0.238741E-03	0.188815E-04	0.892798E-05	0.	0.0
1 6	1 1 6 3 0	-3 4	1.2 2	66 ENE	0	0	360	4	4	2.00 3	0.342389E-03	0.218846E-03	0.173081E-04	0.818398E-05	0.	0.0
1 6	1 1 6 4 0	-3 4	1.4 2	118 ESE	0	0	360	4	4	2.00 3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
1 6	1 1 6 5 0	-4 4	1.8 2	133 SE	0	0	360	4	4	2.00 3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
1 6	1 1 6 6 0	-4 4	1.2 2	112 ESE	0	0	360	4	4	2.00 3	0.342389E-03	0.218846E-03	0.173081E-04	0.818398E-05	0.	0.0
1 6	1 1 6 7 0	-4 4	1.5 2	130 SE	0	0	360	4	4	2.00 3	0.273911E-03	0.175077E-03	0.138464E-04	0.654718E-05	0.	0.0
1 6	1 1 6 8 0	-3 4	3.4 2	158 SSE	0	0	360	4	4	2.00 3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
1 6	1 1 6 9 0	-4 4	5.5 3	266 W	0	0	360	4	4	1.76 3	0.850982E-04	0.477482E-04	0.393225E-05	0.178560E-05	0.	0.0
1 6	1 1 610 0	-1 5	4.6 3	252 WSW	0	0	360	5	5	2.92 3	0.121758E-03	0.737330E-04	0.860344E-05	0.322999E-05	0.	0.0
1 6	1 1 611 0	-1 5	3.9 3	256 WSW	0	0	360	5	5	3.00 3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
1 6	1 1 612 0	-4 4	2.9 2	132 SE	0	0	360	4	4	2.00 3	0.141678E-03	0.905569E-04	0.716196E-05	0.338647E-05	0.	0.0
1 6	1 1 613 0	-5 4	6.2 3	285 WNW	0	0	360	4	4	1.63 3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
1 6	1 1 614 0	-4 4	8.2 4	309 NW	0	0	360	4	4	1.36 1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
1 6	1 1 615 0	-4 4	6.8 3	278 W	0	0	360	4	4	1.54 3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
1 6	1 1 616 0	-4 4	7.6 4	263 W	0	0	360	4	4	1.43 1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
1 6	1 1 617 0	-4 4	7.6 4	259 W	0	0	360	4	4	1.43 1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
1 6	1 1 618 0	-4 4	7.8 4	263 W	0	0	360	4	4	1.41 1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
1 6	1 1 619 0	-3 4	6.7 3	243 WSW	0	0	360	4	4	1.55 3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0
1 6	1 1 620 0	-1 5	4.7 3	249 WSW	0	0	360	5	5	2.86 3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
1 6	1 1 621 0	-2 5	2.7 2	243 WSW	0	0	360	5	5	3.00 3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1 6	1 1 622 0	-2 5	2.3 2	122 ESE	0	0	360	5	5	3.00 3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1 6	1 1 623 0	-3 4	2.3 2	99 E	0	0	360	4	4	2.00 3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0
1 6	1 1 624 0	-1 5	2.2 2	125 SE	0	0	360	5	5	3.00 3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
1 7	1 1 7 1 0	0 5	1.2 2	132 SE	0	0	360	5	5	3.00 3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
1 7	1 1 7 2 0	4 5	1.6 2	180 S	0	0	360	5	5	3.00 3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 7	1 1 7 3 0	4 5	1.6 2	94 E	0	0	360	5	5	3.00 3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 7	1 1 7 4 0	11 6	1.5 2	80 E	0	0	360	6	6	4.00 3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
1 7	1 1 7 5 0	14 6	1.7 2	69 ENE	0	0	360	6	6	4.00 3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1 7	1 1 7 6 0	15 6	2.2 2	64 ENE	0	0	360	6	6	4.00 3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
1 7	1 1 7 7 0	21 6	2.2 2	82 E	0	0	360	6	6	4.00 3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
1 7	1 1 7 8 0	19 6	2.5 2	68 ENE	0	0	360	6	6	4.00 3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
1 7	1 1 7 9 0	18 6	2.2 2	75 ENE	0	0	360	6	6	4.00 3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
1 7	1 1 710 0	13 6	1.8 2	80 E	0	0	360	6	6	4.00 3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1 7	1 1 711 0	10 6	1.6 2	82 E	0	0	360	6	6	4.00 3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
1 7	1 1 712 0	-1 5	1.4 2	183 S	0	0	360	5	5	3.00 3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
1 7	1 1 713 0	-3 4	1.9 2	78 ENE	0	0	360	4	4	2.00 3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
1 7	1 1 714 0	-7 4	4.3 3	199 SSW	0	0	360	4	4	2.00 3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
1 7	1 1 715 0	-7 4	4.2 3	201 SSW	0	0	360	4	4	2.00 3	0.978254E-04	0.625274E-04	0.494516E-05	0.233828E-05	0.	0.0
1 7	1 1 716 0	-6 4	3.7 3	222 SW	0	0	360	4	4	2.00 3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
1 7	1 1 717 0	-4 4	5.5 3	307 NW	0	0	360	4	4	1.76 3	0.850982E-04	0.477482E-04	0.393225E-05	0.178560E-05	0.	0.0

1 7	1 1 718	0	-3	4	5.0	3	341	NNW	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
1 7	1 1 719	0	-1	5	1.7	2	71	ENE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
1 7	1 1 720	0	3	5	1.4	2	81	E	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
1 7	1 1 721	0	14	6	1.7	2	82	E	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0

L YE 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 10

TE	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
1 7	1 1 722	0	25	7	1.9	2	83	E	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
1 7	1 1 723	0	24	7	2.7	2	68	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0
1 7	1 1 724	0	29	7	2.4	2	81	E	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
1 8	1 1 8 1	0	31	7	2.3	2	78	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
1 8	1 1 8 2	0	16	6	1.6	2	53	NE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
1 8	1 1 8 3	0	7	5	1.4	2	27	NNE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
1 8	1 1 8 4	0	26	7	2.2	2	68	ENE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
1 8	1 1 8 5	0	29	7	2.7	2	58	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0
1 8	1 1 8 6	0	39	7	2.6	2	78	ENE	0	0	360	7	7	6.00	3	0.544199E-03	0.317118E-03	0.637007E-04	0.113468E-04	0.	0.0
1 8	1 1 8 7	0	24	7	1.9	2	90	E	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
1 8	1 1 8 8	0	8	6	1.4	2	211	SSW	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
1 8	1 1 8 9	0	7	5	1.3	2	177	S	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
1 8	1 1 810	0	4	5	0.9	2	120	ESE	0	0	360	5	5	3.00	3	0.605245E-03	0.376858E-03	0.434604E-04	0.165088E-04	0.	0.0
1 8	1 1 811	0	0	5	1.4	2	168	SSE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
1 8	1 1 812	0	-3	4	1.2	2	133	SE	0	0	360	4	4	2.00	3	0.342389E-03	0.218846E-03	0.173081E-04	0.818398E-05	0.	0.0
1 8	1 1 813	0	-1	5	1.5	2	116	ESE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
1 8	1 1 814	0	-4	4	1.9	2	226	SW	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
1 8	1 1 815	0	-4	4	1.8	2	194	SSW	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
1 8	1 1 816	0	-3	4	1.5	2	195	SSW	0	0	360	4	4	2.00	3	0.273911E-03	0.175077E-03	0.138464E-04	0.654718E-05	0.	0.0
1 8	1 1 817	0	-1	5	1.3	2	191	S	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
1 8	1 1 818	0	-1	5	1.5	2	211	SSW	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
1 8	1 1 819	0	0	5	1.7	2	208	SSW	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
1 8	1 1 820	0	2	5	1.3	2	184	S	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
1 8	1 1 821	0	-1	5	4.8	3	20	NNE	0	0	360	5	5	2.80	3	0.121758E-03	0.706608E-04	0.839120E-05	0.309540E-05	0.	0.0
1 8	1 1 822	0	-1	5	3.6	3	24	NNE	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
1 8	1 1 823	0	-2	5	3.4	2	35	NE	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
1 8	1 1 824	0	-3	4	3.5	2	41	NE	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0
1 9	1 1 9 1	0	-3	4	4.1	3	10	N	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
1 9	1 1 9 2	0	-3	4	4.9	3	1	N	0	0	360	4	4	1.89	3	0.888050E-04	0.535949E-04	0.431690E-05	0.200424E-05	0.	0.0
1 9	1 1 9 3	0	-3	4	5.8	3	6	N	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
1 9	1 1 9 4	0	-4	4	6.6	3	0	N	0	0	0	4	4	1.56	3	0.795599E-04	0.397901E-04	0.338605E-05	0.148800E-05	0.	0.0
1 9	1 1 9 5	0	-4	4	7.2	3	1	N	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1 9	1 1 9 6	0	-3	4	5.2	3	12	NNE	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
1 9	1 1 9 7	0	-4	4	8.7	4	355	N	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0
1 9	1 1 9 8	0	-4	4	7.9	4	0	N	0	0	0	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
1 9	1 1 9 9	0	-3	4	8.0	4	342	NNW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
1 9	1 1 910	0	-4	4	8.9	4	353	N	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
1 9	1 1 911	0	-4	4	7.7	4	349	N	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0
1 9	1 1 912	0	-4	4	7.8	4	327	NNW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
1 9	1 1 913	0	-4	4	8.4	4	324	NW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
1 9	1 1 914	0	-5	4	8.6	4	306	NW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
1 9	1 1 915	0	-6	4	8.1	4	284	WNW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
1 9	1 1 916	0	-6	4	9.4	4	299	WNW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
1 9	1 1 917	0	-6	4	8.4	4	258	WSW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
1 9	1 1 918	0	-4	4	8.4	4	238	WSW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
1 9	1 1 919	0	-3	4	8.6	4	230	SW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
1 9	1 1 920	0	-3	4	9.4	4	233	SW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
1 9	1 1 921	0	-3	4	9.3	4	226	SW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0
1 9	1 1 922	0	-3	4	8.6	4	222	SW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
1 9	1 1 923	0	-2	5	4.7	3	226	SW	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
1 9	1 1 924	0	-2	5	4.7	3	210	SSW	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
110	1 110 1	0	-3	4	5.9	3	223	SW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
110	1 110 2	0	-4	4	11.7	4	244	WSW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
110	1 110 3	0	-4	4	13.2	5	241	WSW	0	0	360	4	4	1.01	1	0.416901E-04	0.198951E-04	0.185080E-05	0.743998E-06	0.	0.0
110	1 110 4	0	-4	4	11.6	4	242	WSW	0	0	360	4	4	1.10	1	0.474405E-04	0.226392E-04	0.209824E-05	0.846619E-06	0.	0.0

1PPL YEAR 2001 DT 60-10A 8-NOV-04... PAGE 11

YE	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
110	1 110 5	0	-4	4	9.3	4	253 WSW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0					
110	1 110 6	0	-4	4	8.8	4	260 W	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0					
110	1 110 7	0	-4	4	7.3	3	348 NNW	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0					
110	1 110 8	0	-5	4	8.1	4	2 N	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0					
110	1 110 9	0	-4	4	6.9	3	9 N	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0					
110	1 11010	0	-4	4	5.9	3	12 NNE	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0					
110	1 11011	0	-5	4	4.3	3	20 NNE	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0					
110	1 11012	0	-5	4	1.8	2	95 E	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0					
110	1 11013	0	-4	4	1.5	2	79 E	0	0	360	4	4	2.00	3	0.273911E-03	0.175077E-03	0.138464E-04	0.654718E-05	0.	0.0					
110	1 11014	0	-4	4	1.4	2	64 ENE	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0					
110	1 11015	0	-4	4	8.0	4	235 SW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0					
110	1 11016	0	-6	4	9.3	4	227 SW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0					
110	1 11017	0	-6	4	8.9	4	223 SW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0					
110	1 11018	0	-1	5	4.9	3	202 SSW	0	0	360	5	5	2.74	3	0.121758E-03	0.692188E-04	0.828896E-05	0.303223E-05	0.	0.0					
110	1 11019	0	6	5	1.9	2	176 S	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0					
110	1 11020	0	11	6	2.1	2	161 SSE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0					
110	1 11021	0	12	6	1.2	2	99 E	0	0	360	6	6	4.00	3	0.751717E-03	0.442869E-03	0.765694E-04	0.198228E-04	0.	0.0					
110	1 11022	0	21	6	1.3	2	105 ESE	0	0	360	6	6	4.00	3	0.693893E-03	0.408802E-03	0.706795E-04	0.182979E-04	0.	0.0					
110	1 11023	0	21	6	1.5	2	179 S	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0					
110	1 11024	0	15	6	1.8	2	185 S	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0					
111	1 111 1	0	20	6	3.2	2	202 SSW	0	0	360	6	6	4.00	3	0.281894E-03	0.166076E-03	0.287135E-04	0.743354E-05	0.	0.0					
111	1 111 2	0	8	6	4.8	3	203 SSW	0	0	360	6	6	3.66	3	0.205382E-03	0.110717E-03	0.199984E-04	0.495569E-05	0.	0.0					
111	1 111 3	0	10	6	4.3	3	197 SSW	0	0	360	6	6	4.00	3	0.209782E-03	0.123591E-03	0.213682E-04	0.553194E-05	0.	0.0					
111	1 111 4	0	10	6	2.4	2	181 S	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0					
111	1 111 5	0	11	6	2.2	2	181 S	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0					
111	1 111 6	0	14	6	1.8	2	97 E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0					
111	1 111 7	0	11	6	1.5	2	106 ESE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0					
111	1 111 8	0	12	6	2.0	2	87 E	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0					
111	1 111 9	0	6	5	1.8	2	81 E	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0					
111	1 11110	0	9	6	1.6	2	112 ESE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0					
111	1 11111	0	-1	5	6.2	3	215 SW	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0					
111	1 11112	0	-6	4	10.6	4	245 WSW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0					
111	1 11113	0	-5	4	11.1	4	258 WSW	0	0	360	4	4	1.13	1	0.495775E-04	0.236590E-04	0.217994E-05	0.884755E-06	0.	0.0					
111	1 11114	0	-5	4	11.6	4	247 WSW	0	0	360	4	4	1.10	1	0.474405E-04	0.226392E-04	0.209824E-05	0.846619E-06	0.	0.0					
111	1 11115	0	-5	4	10.0	4	256 WSW	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0					
111	1 11116	0	-5	4	10.4	4	244 WSW	0	0	360	4	4	1.17	1	0.529144E-04	0.252514E-04	0.230604E-05	0.944305E-06	0.	0.0					
111	1 11117	0	-4	4	8.5	4	244 WSW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0					
111	1 11118	0	-1	5	7.5	3	238 WSW	0	0	360	5	5	1.79	1	0.110002E-03	0.452229E-04	0.629479E-05	0.198106E-05	0.	0.0					
111	1 11119	0	7	5	3.7	3	231 SW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0					
111	1 11120	0	0	5	1.6	2	195 SSW	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0					
111	1 11121	0	25	7	1.9	2	62 ENE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0					
111	1 11122	0	32	7	2.1	2	70 ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0					
111	1 11123	0	39	7	2.6	2	71 ENE	0	0	360	7	7	6.00	3	0.544199E-03	0.317118E-03	0.637007E-04	0.113468E-04	0.	0.0					
111	1 11124	0	31	7	3.2	2	73 ENE	0	0	360	7	7	6.00	3	0.442162E-03	0.257658E-03	0.517568E-04	0.921931E-05	0.	0.0					
112	1 112 1	0	31	7	2.3	2	67 ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0					
112	1 112 2	0	43	7	2.7	2	67 ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0					
112	1 112 3	0	28	7	2.9	2	88 E	0	0	360	7	7	6.00	3	0.487902E-03	0.284313E-03	0.571109E-04	0.101730E-04	0.	0.0					
112	1 112 4	0	35	7	2.6	2	51 NE	0	0	360	7	7	6.00	3	0.544199E-03	0.317118E-03	0.637007E-04	0.113468E-04	0.	0.0					
112	1 112 5	0	37	7	2.8	2	61 ENE	0	0	360	7	7	6.00	3	0.505328E-03	0.294467E-03	0.591506E-04	0.105364E-04	0.	0.0					
112	1 112 6	0	30	7	1.8	2	86 E	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0					
112	1 112 7	0	48	7	2.5	2	68 ENE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0					
112	1 112 8	0	43	7	2.4	2	94 E	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0					
112	1 112 9	0	39	7	2.2	2	59 ENE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0					
112	1 11210	0	42	7	1.7	2	99 E	0	0	360	7	7	6.00	3	0.832304E-03	0.485004E-03	0.974245E-04	0.173540E-04	0.	0.0					
112	1 11211	0	26	7	1.7	2	158 SSE	0	0	360	7	7	6.00	3	0.832304E-03	0.485004E-03	0.974245E-04	0.173540E-04	0.	0.0					

1PPL YEAR 2001 DT 60-10A 8-NOV-04... PAGE 12

YE	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
112	1 11212	0	2	5	2.3	2	138 SE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0					
112	1 11213	0	-8	3	4.0	3	216 SW	0	0	360	3	3	0.00	1	0.639869E-04	0.465380E-04	0.154440E-05	0.928298E-06	0.	0.0					

112	1	11214	0	-5	4	4.7	3	248	WSW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
112	1	11215	0	-6	4	4.5	3	233	SW	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
112	1	11216	0	-6	4	4.3	3	220	SW	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
112	1	11217	0	-7	4	3.3	2	214	SW	0	0	360	4	4	2.00	3	0.124505E-03	0.795803E-04	0.629384E-05	0.297599E-05	0.	0.0
112	1	11218	0	-3	4	3.9	3	234	SW	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
112	1	11219	0	7	5	2.1	2	159	SSE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
112	1	11220	0	18	6	1.9	2	67	ENE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
112	1	11221	0	26	7	2.4	2	69	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
112	1	11222	0	20	6	1.5	2	62	ENE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
112	1	11223	0	19	6	2.3	2	71	ENE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
112	1	11224	0	22	6	3.1	2	71	ENE	0	0	360	6	6	4.00	3	0.290987E-03	0.171433E-03	0.296398E-04	0.767333E-05	0.	0.0
113	1	113 1	0	28	7	3.0	2	74	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
113	1	113 2	0	27	7	2.6	2	80	E	0	0	360	7	7	6.00	3	0.544199E-03	0.317118E-03	0.637007E-04	0.113468E-04	0.	0.0
113	1	113 3	0	9	6	1.3	2	137	SE	0	0	360	6	6	4.00	3	0.693893E-03	0.408802E-03	0.706795E-04	0.182979E-04	0.	0.0
113	1	113 4	0	10	6	2.3	2	82	E	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
113	1	113 5	0	17	6	2.7	2	69	ENE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
113	1	113 6	0	23	6	2.7	2	83	E	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
113	1	113 7	0	15	6	1.0	2	86	E	0	0	360	6	6	4.00	3	0.902061E-03	0.531442E-03	0.918833E-04	0.237873E-04	0.	0.0
113	1	113 8	0	17	6	2.7	2	76	ENE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
113	1	113 9	0	12	6	1.2	2	126	SE	0	0	360	6	6	4.00	3	0.751717E-03	0.442869E-03	0.765694E-04	0.198228E-04	0.	0.0
113	1	11310	0	1	5	1.5	2	200	SSW	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
113	1	11311	0	-2	5	2.9	2	138	SE	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
113	1	11312	0	-6	4	2.1	2	217	SW	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
113	1	11313	0	-7	4	3.3	2	186	S	0	0	360	4	4	2.00	3	0.124505E-03	0.795803E-04	0.629384E-05	0.297599E-05	0.	0.0
113	1	11314	0	-10	1	4.1	3	206	SSW	0	0	360	1	1	0.00	1	0.995084E-05	0.137734E-04	0.205648E-06	0.229381E-06	0.	0.0
113	1	11315	0	-10	1	4.8	3	190	S	0	0	360	1	1	0.00	1	0.849968E-05	0.117648E-04	0.175658E-06	0.195930E-06	0.	0.0
113	1	11316	0	-8	3	4.5	3	206	SSW	0	0	360	3	3	0.00	1	0.568772E-04	0.413671E-04	0.137280E-05	0.825154E-06	0.	0.0
113	1	11317	0	-5	4	3.0	2	189	S	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
113	1	11318	0	1	5	2.0	2	186	S	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
113	1	11319	0	3	5	1.5	2	132	SE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
113	1	11320	0	15	6	1.5	2	70	ENE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
113	1	11321	0	13	6	1.5	2	37	NE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
113	1	11322	0	17	6	1.9	2	73	ENE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
113	1	11323	0	13	6	1.8	2	58	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
113	1	11324	0	19	6	1.9	2	75	ENE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
114	1	114 1	0	16	6	1.9	2	67	ENE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
114	1	114 2	0	22	6	2.0	2	61	ENE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
114	1	114 3	0	38	7	2.6	2	76	ENE	0	0	360	7	7	6.00	3	0.544199E-03	0.317118E-03	0.637007E-04	0.113468E-04	0.	0.0
114	1	114 4	0	31	7	2.3	2	72	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
114	1	114 5	0	29	7	2.8	2	63	ENE	0	0	360	7	7	6.00	3	0.505328E-03	0.294467E-03	0.591506E-04	0.105364E-04	0.	0.0
114	1	114 6	0	32	7	3.2	2	71	ENE	0	0	360	7	7	6.00	3	0.442162E-03	0.257658E-03	0.517568E-04	0.921931E-05	0.	0.0
114	1	114 7	0	30	7	3.6	3	71	ENE	0	0	360	7	7	6.00	3	0.393033E-03	0.229030E-03	0.460060E-04	0.819494E-05	0.	0.0
114	1	114 8	0	27	7	2.3	2	74	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
114	1	114 9	0	27	7	3.2	2	69	ENE	0	0	360	7	7	6.00	3	0.442162E-03	0.257658E-03	0.517568E-04	0.921931E-05	0.	0.0
114	1	11410	0	21	6	3.1	2	77	ENE	0	0	360	6	6	4.00	3	0.290987E-03	0.171433E-03	0.296398E-04	0.767333E-05	0.	0.0
114	1	11411	0	10	6	1.5	2	98	E	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
114	1	11412	0	1	5	2.1	2	190	S	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
114	1	11413	0	-2	5	1.8	2	169	S	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
114	1	11414	0	-3	4	1.8	2	145	SE	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
114	1	11415	0	-4	4	1.8	2	174	S	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
114	1	11416	0	-5	4	3.4	2	198	SSW	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
114	1	11417	0	-2	5	2.4	2	227	SW	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
114	1	11418	0	0	5	2.4	2	204	SSW	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
L YE	1PPL YEAR 2001 DT 60-10A									8-NOV-04•••										PAGE		13
TE	0DATE			TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ			XQ LE 8	XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	H2	TER
114	1	11419	0	3	5	1.6	2	64	ENE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
114	1	11420	0	4	5	1.8	2	70	ENE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
114	1	11421	0	6	5	1.7	2	48	NE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
114	1	11422	0	12	6	2.0	2	41	NE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
114	1	11423	0	10	6	3.1	2	222	SW	0	0	360	6	6	4.00	3	0.290987E-03	0.171433E-03	0.296398E-04	0.767333E-05	0.	0.0
114	1	11424	0	13	6	2.6	2	80	E	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0

115	1	115	1	0	14	6	1.7	2	78	ENE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
115	1	115	2	0	16	6	2.2	2	67	ENE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
115	1	115	3	0	11	6	2.2	2	65	ENE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
115	1	115	4	0	15	6	2.0	2	69	ENE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
115	1	115	5	0	14	6	2.1	2	82	E	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
115	1	115	6	0	12	6	1.3	2	85	E	0	0	360	6	6	4.00	3	0.693893E-03	0.408802E-03	0.706795E-04	0.182979E-04	0.	0.0
115	1	115	7	0	12	6	1.9	2	57	ENE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
115	1	115	8	0	9	6	2.1	2	109	ESE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
115	1	115	9	0	1	5	1.9	2	160	SSE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
115	1	11510	0		2	5	1.4	2	58	ENE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
115	1	11511	0		0	5	1.8	2	25	NNE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
115	1	11512	0		-2	5	1.8	2	31	NNE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
115	1	11513	0		-1	5	1.5	2	76	ENE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
115	1	11514	0		-3	4	2.6	2	48	NE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
115	1	11515	0		-4	4	2.3	2	237	WSW	0	0	360	4	4	2.00	3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0
115	1	11516	0		-3	4	1.6	2	124	SE	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0
115	1	11517	0		-3	4	1.8	2	148	SSE	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
115	1	11518	0		-1	5	1.5	2	161	SSE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
115	1	11519	0		1	5	1.9	2	89	E	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
115	1	11520	0		1	5	1.5	2	132	SE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
115	1	11521	0		3	5	1.8	2	57	ENE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
115	1	11522	0		2	5	1.6	2	59	ENE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
115	1	11523	0		5	5	1.0	2	87	E	0	0	360	5	5	3.00	3	0.544721E-03	0.339172E-03	0.391144E-04	0.148579E-04	0.	0.0
115	1	11524	0		3	5	3.2	2	205	SSW	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
116	1	116	1	0	0	5	3.7	3	190	S	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
116	1	116	2	0	0	5	3.0	3	182	S	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
116	1	116	3	0	-1	5	4.6	3	202	SSW	0	0	360	5	5	2.92	3	0.121758E-03	0.737330E-04	0.860344E-05	0.322999E-05	0.	0.0
116	1	116	4	0	-2	5	4.2	3	210	SSW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
116	1	116	5	0	0	5	3.1	2	178	S	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
116	1	116	6	0	1	5	2.1	2	169	S	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
116	1	116	7	0	1	5	3.7	3	196	SSW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
116	1	116	8	0	0	5	2.7	2	174	S	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
116	1	116	9	0	-1	5	2.7	2	184	S	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
116	1	11610	0		-2	5	4.4	3	224	SW	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
116	1	11611	0		-3	4	7.4	3	232	SW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
116	1	11612	0		-3	4	5.9	3	233	SW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
116	1	11613	0		-4	4	9.0	4	234	SW	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
116	1	11614	0		-4	4	8.1	4	247	WSW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
116	1	11615	0		-4	4	10.5	4	233	SW	0	0	360	4	4	1.17	1	0.524105E-04	0.250109E-04	0.228711E-05	0.935312E-06	0.	0.0
116	1	11616	0		-5	4	11.9	4	239	WSW	0	0	360	4	4	1.08	1	0.462445E-04	0.220685E-04	0.205218E-05	0.825275E-06	0.	0.0
116	1	11617	0		-4	4	10.0	4	232	SW	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0
116	1	11618	0		-3	4	7.9	4	227	SW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
116	1	11619	0		-3	4	8.5	4	227	SW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
116	1	11620	0		-3	4	9.4	4	231	SW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
116	1	11621	0		-3	4	9.9	4	234	SW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
116	1	11622	0		-3	4	7.4	3	237	WSW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
116	1	11623	0		-1	5	3.6	3	232	SW	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
116	1	11624	0		-1	5	6.3	3	228	SW	0	0	360	5	5	2.13	3	0.121758E-03	0.538368E-04	0.708105E-05	0.235840E-05	0.	0.0
117	1	117	1	0	0	5	4.0	3	219	SW	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0

, YR 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 14

E	ODATE				TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE 8	XQ GT 8	XQ(ELEV)	LE 8	XQ(ELV)	GT 8	H2 TER	
117	1	117	2	0	0	5	5.6	3	216	SW	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
117	1	117	3	0	-1	5	5.6	3	218	SW	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
117	1	117	4	0	-1	5	4.8	3	216	SW	0	0	360	5	5	2.80	3	0.121758E-03	0.706608E-04	0.839120E-05	0.309540E-05	0.	0.0
117	1	117	5	0	-1	5	4.0	3	218	SW	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
117	1	117	6	0	-1	5	2.7	2	207	SSW	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
117	1	117	7	0	-2	5	4.2	3	231	SW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
117	1	117	8	0	-2	5	4.0	3	223	SW	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
117	1	117	9	0	-3	4	6.2	3	224	SW	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
117	1	11710	0		-3	4	5.7	3	216	SW	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
117	1	11711	0		-4	4	7.1	3	230	SW	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0

117	1	11712	0	-5	4	9.7	4	232	SW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
117	1	11713	0	-6	4	8.2	4	229	SW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
117	1	11714	0	-6	4	7.4	3	236	SW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
117	1	11715	0	-5	4	8.6	4	236	SW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
117	1	11716	0	-5	4	6.9	3	230	SW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
117	1	11717	0	-4	4	4.6	3	235	SW	0	0	360	4	4	1.97	3	0.909002E-04	0.570902E-04	0.454079E-05	0.213495E-05	0.	0.0
117	1	11718	0	-4	4	8.0	4	233	SW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
117	1	11719	0	-3	4	4.6	3	244	WSW	0	0	360	4	4	1.97	3	0.909002E-04	0.570902E-04	0.454079E-05	0.213495E-05	0.	0.0
117	1	11720	0	-3	4	3.1	2	232	SW	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
117	1	11721	0	-3	4	1.8	2	177	S	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
117	1	11722	0	-2	5	2.0	2	128	SE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
117	1	11723	0	-3	4	3.0	2	165	SSE	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
117	1	11724	0	-2	5	3.5	2	188	S	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
118	1	118 1	0	-2	5	2.6	2	172	S	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
118	1	118 2	0	-1	5	2.7	2	151	SSE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
118	1	118 3	0	-1	5	2.2	2	142	SE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
118	1	118 4	0	0	5	1.5	2	108	ESE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
118	1	118 5	0	0	5	1.3	2	109	ESE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
118	1	118 6	0	-2	5	1.3	2	99	E	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
118	1	118 7	0	-1	5	1.1	2	46	NE	0	0	360	5	5	3.00	3	0.495201E-03	0.308338E-03	0.355585E-04	0.135072E-04	0.	0.0
118	1	118 8	0	0	5	1.6	2	90	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
118	1	118 9	0	4	5	1.4	2	109	ESE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
118	1	11810	0	2	5	2.1	2	178	S	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
118	1	11811	0	-3	4	2.5	2	198	SSW	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
118	1	11812	0	-5	4	3.9	3	170	S	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
118	1	11813	0	-4	4	5.6	3	185	S	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
118	1	11814	0	-5	4	6.0	3	191	S	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
118	1	11815	0	-5	4	6.0	3	189	S	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
118	1	11816	0	-4	4	6.8	3	195	SSW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
118	1	11817	0	-4	4	3.5	2	197	SSW	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0
118	1	11818	0	-3	4	3.4	2	186	S	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
118	1	11819	0	-2	5	3.2	2	178	S	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
118	1	11820	0	-3	4	2.8	2	169	S	0	0	360	4	4	2.00	3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0
118	1	11821	0	-3	4	1.8	2	209	SSW	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
118	1	11822	0	-1	5	2.9	2	191	S	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
118	1	11823	0	-3	4	3.4	2	189	S	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
118	1	11824	0	-3	4	3.2	2	184	S	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
119	1	119 1	0	-2	5	1.6	2	157	SSE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
119	1	119 2	0	-1	5	1.2	2	123	ESE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
119	1	119 3	0	0	5	1.6	2	50	NE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
119	1	119 4	0	-1	5	1.7	2	5	N	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
119	1	119 5	0	1	5	1.8	2	48	NE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
119	1	119 6	0	-1	5	2.1	2	10	N	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
119	1	119 7	0	-1	5	2.7	2	14	NNE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
119	1	119 8	0	0	5	2.0	2	17	NNE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0

L YE 1PPL YEAR 2001 DT 60-10A 8-NOV-04... PAGE 15

TE	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	M2	TER
119	1	119 9	0	1	5	1.3	2	128	SE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0					
119	1	11910	0	0	5	2.5	2	31	NNE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0					
119	1	11911	0	-1	5	3.6	3	5	N	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0					
119	1	11912	0	-1	5	3.9	3	3	N	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0					
119	1	11913	0	-3	4	3.8	3	1	N	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0					
119	1	11914	0	-3	4	2.4	2	15	NNE	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0					
119	1	11915	0	-3	4	1.8	2	36	NE	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0					
119	1	11916	0	-2	5	2.3	2	58	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0					
119	1	11917	0	-2	5	3.9	3	21	NNE	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0					
119	1	11918	0	-2	5	2.7	2	42	NE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0					
119	1	11919	0	0	5	1.2	2	66	ENE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0					
119	1	11920	0	-1	5	2.3	2	33	NNE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0					
119	1	11921	0	0	5	2.8	2	51	NE	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0					
119	1	11922	0	-2	5	5.6	3	23	NNE	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0					

119	1	11923	0	-3	4	7.1	3	27	NNE	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
119	1	11924	0	-3	4	7.9	4	22	NNE	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
120	1	120 1	0	-3	4	6.8	3	21	NNE	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
120	1	120 2	0	-3	4	5.3	3	28	NNE	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
120	1	120 3	0	-3	4	4.1	3	56	NE	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
120	1	120 4	0	-3	4	4.3	3	43	NE	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
120	1	120 5	0	-4	4	3.7	3	56	NE	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
120	1	120 6	0	-4	4	4.1	3	41	NE	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
120	1	120 7	0	-3	4	4.4	3	40	NE	0	0	360	4	4	2.00	3	0.933788E-04	0.596852E-04	0.472038E-05	0.223199E-05	0.	0.0
120	1	120 8	0	-4	4	4.4	3	50	NE	0	0	360	4	4	2.00	3	0.933788E-04	0.596852E-04	0.472038E-05	0.223199E-05	0.	0.0
120	1	120 9	0	-4	4	4.3	3	46	NE	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
120	1	12010	0	-4	4	5.2	3	48	NE	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
120	1	12011	0	-5	4	6.8	3	51	NE	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
120	1	12012	0	-5	4	7.3	3	41	NE	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0
120	1	12013	0	-5	4	7.9	4	29	NNE	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
120	1	12014	0	-6	4	6.9	3	30	NNE	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
120	1	12015	0	-5	4	7.0	3	40	NE	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
120	1	12016	0	-5	4	7.8	4	40	NE	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
120	1	12017	0	-5	4	8.1	4	42	NE	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
120	1	12018	0	-5	4	7.5	3	33	NNE	0	0	360	4	4	1.44	1	0.733746E-04	0.350153E-04	0.304420E-05	0.130944E-05	0.	0.0
120	1	12019	0	-4	4	7.2	3	37	NE	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
120	1	12020	0	-4	4	6.4	3	50	NE	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
120	1	12021	0	-4	4	7.4	3	36	NE	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
120	1	12022	0	-4	4	6.4	3	31	NNE	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
120	1	12023	0	-3	4	5.8	3	7	N	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
120	1	12024	0	-3	4	6.2	3	358	N	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
121	1	121 1	0	-3	4	7.6	4	352	N	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
121	1	121 2	0	-4	4	6.9	3	31	NNE	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
121	1	121 3	0	-3	4	6.6	3	31	NNE	0	0	360	4	4	1.56	3	0.795599E-04	0.397901E-04	0.338605E-05	0.148800E-05	0.	0.0
121	1	121 4	0	-3	4	5.3	3	28	NNE	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
121	1	121 5	0	-3	4	6.6	3	357	N	0	0	360	4	4	1.56	3	0.795599E-04	0.397901E-04	0.338605E-05	0.148800E-05	0.	0.0
121	1	121 6	0	-4	4	6.4	3	346	NNW	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
121	1	121 7	0	-4	4	7.8	4	341	NNW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
121	1	121 8	0	-4	4	6.5	3	336	NNW	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
121	1	121 9	0	-4	4	5.5	3	318	NW	0	0	360	4	4	1.76	3	0.850982E-04	0.477482E-04	0.393225E-05	0.178560E-05	0.	0.0
121	1	12110	0	-4	4	6.0	3	312	NW	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
121	1	12111	0	-4	4	4.9	3	316	NW	0	0	360	4	4	1.89	3	0.888050E-04	0.535949E-04	0.431690E-05	0.200424E-05	0.	0.0
121	1	12112	0	-4	4	5.7	3	307	NW	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
121	1	12113	0	-7	4	8.5	4	250	WSW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
121	1	12114	0	-6	4	12.7	5	233	SW	0	0	360	4	4	1.04	1	0.433315E-04	0.206783E-04	0.192367E-05	0.773289E-06	0.	0.0
121	1	12115	0	-6	4	12.9	5	229	SW	0	0	360	4	4	1.03	1	0.426597E-04	0.203577E-04	0.189385E-05	0.761300E-06	0.	0.0

PE	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
121	1	12116	0	-6	4	10.4	4	232	SW	0	0	360	4	4	1.17	1	0.529144E-04	0.252514E-04	0.230604E-05	0.944305E-06	0.	0.0
121	1	12117	0	-6	4	7.4	3	227	SW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
121	1	12118	0	-4	4	3.1	2	221	SW	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
121	1	12119	0	0	5	2.6	2	187	S	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
121	1	12120	0	1	5	4.3	3	206	SSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
121	1	12121	0	1	5	6.2	3	217	SW	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0
121	1	12122	0	3	5	9.1	4	234	SW	0	0	360	5	5	1.47	1	0.906607E-04	0.372716E-04	0.548303E-05	0.163274E-05	0.	0.0
121	1	12123	0	3	5	7.1	3	232	SW	0	0	360	5	5	1.89	1	0.116199E-03	0.477707E-04	0.653673E-05	0.209267E-05	0.	0.0
121	1	12124	0	1	5	3.1	2	186	S	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
122	1	122 1	0	-3	4	2.5	2	107	ESE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
122	1	122 2	0	2	5	1.7	2	121	ESE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
122	1	122 3	0	14	6	1.9	2	152	SSE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
122	1	122 4	0	21	6	1.6	2	48	NE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
122	1	122 5	0	24	7	1.6	2	116	ESE	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0
122	1	122 6	0	14	6	1.5	2	107	ESE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
122	1	122 7	0	15	6	1.5	2	113	ESE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
122	1	122 8	0	29	7	1.9	2	92	E	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
122	1	122 9	0	31	7	2.1	2	85	E	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0

122	1	12210	0	20	6	2.0	2	102	ESE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
122	1	12211	0	6	5	1.8	2	115	ESE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
122	1	12212	0	-3	4	2.1	2	170	S	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
122	1	12213	0	-5	4	3.7	3	230	SW	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
122	1	12214	0	-7	4	4.0	3	202	SSW	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
122	1	12215	0	-9	2	3.9	3	183	S	0	0	360	2	2	0.00	1	0.314751E-04	0.319741E-04	0.289949E-06	0.241144E-06	0.	0.0
122	1	12216	0	-9	2	4.3	3	188	S	0	0	360	2	2	0.00	1	0.285472E-04	0.289998E-04	0.262977E-06	0.218712E-06	0.	0.0
122	1	12217	0	-5	4	4.0	3	245	WSW	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
122	1	12218	0	-4	4	3.7	3	244	WSW	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
122	1	12219	0	0	5	1.8	2	196	SSW	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
122	1	12220	0	7	5	1.2	2	168	SSE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
122	1	12221	0	15	6	2.0	2	68	ENE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
122	1	12222	0	18	6	2.2	2	74	ENE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
122	1	12223	0	18	6	1.7	2	78	ENE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
122	1	12224	0	10	6	2.3	2	162	SSE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
123	1	123 1	0	14	6	2.2	2	58	ENE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
123	1	123 2	0	20	6	1.9	2	75	ENE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
123	1	123 3	0	21	6	1.7	2	103	ESE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
123	1	123 4	0	20	6	1.5	2	86	E	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
123	1	123 5	0	18	6	2.0	2	83	E	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
123	1	123 6	0	20	6	2.4	2	80	E	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
123	1	123 7	0	28	7	1.7	2	91	E	0	0	360	7	7	6.00	3	0.832304E-03	0.485004E-03	0.974245E-04	0.173540E-04	0.	0.0
123	1	123 8	0	28	7	2.1	2	71	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
123	1	123 9	0	18	6	1.3	2	126	SE	0	0	360	6	6	4.00	3	0.693893E-03	0.408802E-03	0.706795E-04	0.182979E-04	0.	0.0
123	1	12310	0	3	5	2.1	2	185	S	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
123	1	12311	0	-4	4	1.8	2	144	SE	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
123	1	12312	0	-9	2	2.7	2	203	SSW	0	0	360	2	2	0.00	1	0.454641E-04	0.461848E-04	0.418815E-06	0.348319E-06	0.	0.0
123	1	12313	0	-7	4	4.5	3	186	S	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
123	1	12314	0	-13	1	4.9	3	195	SSW	0	0	360	1	1	0.00	1	0.832622E-05	0.115247E-04	0.172073E-06	0.191931E-06	0.	0.0
123	1	12315	0	-10	1	5.3	3	196	SSW	0	0	360	1	1	0.00	1	0.769782E-05	0.106549E-04	0.159086E-06	0.177446E-06	0.	0.0
123	1	12316	0	-8	3	4.7	3	176	S	0	0	360	3	3	0.00	1	0.544569E-04	0.396068E-04	0.131438E-05	0.790041E-06	0.	0.0
123	1	12317	0	-8	3	4.9	3	235	SW	0	0	360	3	3	0.00	1	0.522342E-04	0.379902E-04	0.126074E-05	0.757795E-06	0.	0.0
123	1	12318	0	-5	4	2.6	2	204	SSW	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
123	1	12319	0	-1	5	1.8	2	164	SSE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
123	1	12320	0	3	5	1.5	2	107	ESE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
123	1	12321	0	12	6	2.3	2	59	ENE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
123	1	12322	0	17	6	2.1	2	87	E	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0

L YR 1PPL YEAR 2001 DT 60-10A 8-NOV-04...
TE 0DATE TEMP GP SPED GP DIR GP RA RB RANG IRY IRZ XQ LR 8 XQ GT 8 XQ(ELEV) LE 8 XQ(ELV) GT 8 H2 TER PAGE 17

123	1	12323	0	12	6	1.5	2	60	ENE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
123	1	12324	0	16	6	1.6	2	84	E	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
124	1	124 1	0	9	6	1.1	2	156	SSE	0	0	360	6	6	4.00	3	0.820055E-03	0.483129E-03	0.835303E-04	0.216248E-04	0.	0.0
124	1	124 2	0	9	6	1.4	2	186	S	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
124	1	124 3	0	6	5	1.5	2	130	SE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
124	1	124 4	0	9	6	1.7	2	78	ENE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
124	1	124 5	0	7	5	1.5	2	203	SSW	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
124	1	124 6	0	5	5	1.5	2	133	SE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
124	1	124 7	0	3	5	1.1	2	115	ESE	0	0	360	5	5	3.00	3	0.495201E-03	0.308338E-03	0.355585E-04	0.135072E-04	0.	0.0
124	1	124 8	0	5	5	1.3	2	108	ESE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
124	1	124 9	0	6	5	1.6	2	154	SSE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
124	1	12410	0	-1	5	1.5	2	131	SE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
124	1	12411	0	-3	4	2.0	2	98	E	0	0	360	4	4	2.00	3	0.205433E-03	0.131307E-03	0.103848E-04	0.491039E-05	0.	0.0
124	1	12412	0	-6	4	2.6	2	181	S	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
124	1	12413	0	-7	4	3.7	3	190	S	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
124	1	12414	0	-9	2	5.8	3	196	SSW	0	0	360	2	2	0.00	1	0.211643E-04	0.214998E-04	0.194966E-06	0.162149E-06	0.	0.0
124	1	12415	0	-12	1	6.4	3	205	SSW	0	0	360	1	1	0.00	1	0.637476E-05	0.882357E-05	0.131743E-06	0.146947E-06	0.	0.0
124	1	12416	0	-12	1	5.4	3	196	SSW	0	0	360	1	1	0.00	1	0.755527E-05	0.104576E-04	0.156140E-06	0.174160E-06	0.	0.0
124	1	12417	0	-7	4	3.6	3	194	SSW	0	0	360	4	4	2.00	3	0.114130E-03	0.729486E-04	0.576935E-05	0.272799E-05	0.	0.0
124	1	12418	0	-4	4	2.7	2	206	SSW	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
124	1	12419	0	3	5	1.5	2	75	ENE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
124	1	12420	0	15	6	2.0	2	86	E	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0

124	1	12421	0	7	5	1.9	2	73	ENE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
124	1	12422	0	3	5	1.8	2	180	S	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
124	1	12423	0	0	5	2.8	2	161	SSE	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
124	1	12424	0	3	5	3.0	2	151	SSE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
125	1	125 1	0	9	6	2.8	2	180	S	0	0	360	6	6	4.00	3	0.322165E-03	0.189801E-03	0.328155E-04	0.849547E-05	0.	0.0
125	1	125 2	0	0	5	4.1	3	264	W	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
125	1	125 3	0	-3	4	4.2	3	291	WNW	0	0	360	4	4	2.00	3	0.978254E-04	0.625274E-04	0.494516E-05	0.233828E-05	0.	0.0
125	1	125 4	0	-1	5	3.5	2	306	NW	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
125	1	125 5	0	-3	4	4.3	3	337	NNW	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
125	1	125 6	0	-4	4	8.2	4	345	NNW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
125	1	125 7	0	-4	4	3.0	2	3	N	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
125	1	125 8	0	-1	5	2.4	2	28	NNE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
125	1	125 9	0	3	5	2.3	2	4	N	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
125	1	12510	0	0	5	3.6	3	236	SW	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
125	1	12511	0	-4	4	6.5	3	343	NNW	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
125	1	12512	0	-5	4	7.2	3	352	N	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
125	1	12513	0	-5	4	8.2	4	359	N	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
125	1	12514	0	-5	4	10.4	4	350	N	0	0	360	4	4	1.17	1	0.529144E-04	0.252514E-04	0.230604E-05	0.944305E-06	0.	0.0
125	1	12515	0	-6	4	9.5	4	359	N	0	0	360	4	4	1.24	1	0.579274E-04	0.276437E-04	0.249227E-05	0.103377E-05	0.	0.0
125	1	12516	0	-5	4	8.9	4	7	N	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
125	1	12517	0	-5	4	9.3	4	3	N	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0
125	1	12518	0	-4	4	10.5	4	360	N	0	0	360	4	4	1.17	1	0.524105E-04	0.250109E-04	0.228711E-05	0.935312E-06	0.	0.0
125	1	12519	0	-4	4	8.5	4	351	N	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
125	1	12520	0	-4	4	8.0	4	344	NNW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
125	1	12521	0	-4	4	6.9	3	349	N	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
125	1	12522	0	-3	4	6.9	3	3	N	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
125	1	12523	0	0	5	4.6	3	28	NNE	0	0	360	5	5	2.92	3	0.121758E-03	0.737330E-04	0.860344E-05	0.322999E-05	0.	0.0
125	1	12524	0	0	5	6.0	3	4	N	0	0	360	5	5	2.24	3	0.121758E-03	0.565287E-04	0.730930E-05	0.247632E-05	0.	0.0
126	1	126 1	0	-2	5	5.5	3	354	N	0	0	360	5	5	2.44	3	0.121758E-03	0.616676E-04	0.772426E-05	0.270144E-05	0.	0.0
126	1	126 2	0	0	5	4.2	3	334	NNW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
126	1	126 3	0	4	5	2.6	2	293	WNW	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
126	1	126 4	0	7	5	2.0	2	67	ENE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
126	1	126 5	0	9	6	1.6	2	60	ENE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0

TE	0DATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	1RZ		XQ LE	8	XQ GT	8	XQ(ELEV) LE	8	XQ(ELV) GT	8	H2 TER	
126	1	126 6	0	9	6	1.5	2	104	ESE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
126	1	126 7	0	7	5	1.6	2	126	SE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
126	1	126 8	0	0	5	2.1	2	128	SE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
126	1	126 9	0	2	5	2.1	2	51	NE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
126	1	12610	0	3	5	1.7	2	88	E	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
126	1	12611	0	-3	4	3.0	2	162	SSE	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
126	1	12612	0	-7	4	3.8	3	154	SSE	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
126	1	12613	0	-12	1	4.7	3	184	S	0	0	360	1	1	0.00	1	0.868052E-05	0.120151E-04	0.179395E-06	0.200098E-06	0.	0.0
126	1	12614	0	-14	1	6.1	3	203	SSW	0	0	360	1	1	0.00	1	0.668827E-05	0.925752E-05	0.138223E-06	0.154174E-06	0.	0.0
126	1	12615	0	-10	1	5.2	3	211	SSW	0	0	360	1	1	0.00	1	0.784586E-05	0.108598E-04	0.162146E-06	0.180858E-06	0.	0.0
126	1	12616	0	-9	2	4.4	3	214	SW	0	0	360	2	2	0.00	1	0.278984E-04	0.283407E-04	0.257000E-06	0.213741E-06	0.	0.0
126	1	12617	0	-6	4	6.1	3	230	SW	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
126	1	12618	0	-5	4	3.1	2	178	S	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
126	1	12619	0	-1	5	2.1	2	162	SSE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
126	1	12620	0	-1	5	1.9	2	163	SSE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
126	1	12621	0	0	5	1.4	2	138	SE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
126	1	12622	0	7	5	1.5	2	118	ESE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
126	1	12623	0	9	6	1.5	2	40	NE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
126	1	12624	0	3	5	2.1	2	51	NE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
127	1	127 1	0	9	6	2.3	2	114	ESE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
127	1	127 2	0	9	6	1.8	2	68	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
127	1	127 3	0	10	6	2.1	2	118	ESE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
127	1	127 4	0	0	5	2.8	2	139	SE	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
127	1	127 5	0	0	5	1.6	2	48	NE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
127	1	127 6	0	4	5	1.1	2	70	ENE	0	0	360	5	5	3.00	3	0.495201E-03	0.308338E-03	0.355585E-04	0.135072E-04	0.	0.0
127	1	127 7	0	2	5	1.8	2	47	NE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0

127	1	127 8	0	0	5	1.8	2	48	NE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
127	1	127 9	0	0	5	1.5	2	88	E	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
127	1	12710	0	-2	5	1.2	2	71	ENE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
127	1	12711	0	-3	4	1.4	2	78	ENE	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
127	1	12712	0	-4	4	3.0	2	226	SW	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
127	1	12713	0	-4	4	2.8	2	186	S	0	0	360	4	4	2.00	3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0
127	1	12714	0	-7	4	7.2	3	230	SW	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
127	1	12715	0	-5	4	10.8	4	247	WSW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
127	1	12716	0	-4	4	10.3	4	288	WNW	0	0	360	4	4	1.18	1	0.534281E-04	0.254966E-04	0.232530E-05	0.953473E-06	0.	0.0
127	1	12717	0	-4	4	10.7	4	299	WNW	0	0	360	4	4	1.15	1	0.514308E-04	0.245434E-04	0.225020E-05	0.917829E-06	0.	0.0
127	1	12718	0	-4	4	11.6	4	290	WNW	0	0	360	4	4	1.10	1	0.474405E-04	0.226392E-04	0.209824E-05	0.846619E-06	0.	0.0
127	1	12719	0	-4	4	8.2	4	292	WNW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
127	1	12720	0	4	4	8.4	4	291	WNW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
127	1	12721	0	-4	4	9.2	4	306	NW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
127	1	12722	0	-4	4	8.7	4	306	NW	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0
127	1	12723	0	-4	4	7.4	3	278	W	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
127	1	12724	0	-4	4	9.1	4	302	WNW	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0
128	1	128 1	0	-4	4	9.2	4	304	NW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
128	1	128 2	0	-4	4	7.5	3	310	NW	0	0	360	4	4	1.44	1	0.733746E-04	0.350153E-04	0.304420E-05	0.130944E-05	0.	0.0
128	1	128 3	0	-4	4	4.6	3	298	WNW	0	0	360	4	4	1.97	3	0.909002E-04	0.570902E-04	0.454079E-05	0.213495E-05	0.	0.0
128	1	128 4	0	-4	4	4.7	3	312	NW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
128	1	128 5	0	-4	4	2.5	2	67	ENE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
128	1	128 6	0	-4	4	3.0	2	272	W	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
128	1	128 7	0	-4	4	5.2	3	265	W	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
128	1	128 8	0	-3	4	2.9	2	319	NW	0	0	360	4	4	2.00	3	0.141678E-03	0.905569E-04	0.716196E-05	0.338647E-05	0.	0.0
128	1	128 9	0	-3	4	2.1	2	344	NNW	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
128	1	12810	0	-3	4	2.7	2	147	SSE	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
128	1	12811	0	-8	3	7.0	3	248	WSW	0	0	360	3	3	0.00	1	0.365639E-04	0.265932E-04	0.882515E-06	0.530456E-06	0.	0.0
128	1	12812	0	-10	1	10.4	4	229	SW	0	0	360	1	1	0.00	1	0.392293E-05	0.542989E-05	0.810729E-07	0.904290E-07	0.	0.0

TE		ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
128	1	12813	0	-10	1	11.7	4	226	SW	0	0	360	1	1	0.00	1	0.348705E-05	0.482657E-05	0.720648E-07	0.803814E-07	0.	0.0					
128	1	12814	0	-9	2	11.6	4	237	WSW	0	0	360	2	2	0.00	1	0.105822E-04	0.107499E-04	0.974828E-07	0.810743E-07	0.	0.0					
128	1	12815	0	-9	2	10.2	4	238	WSW	0	0	360	2	2	0.00	1	0.120346E-04	0.122254E-04	0.110863E-06	0.922021E-07	0.	0.0					
128	1	12816	0	-8	3	11.1	4	233	SW	0	0	360	3	3	0.00	1	0.230583E-04	0.167705E-04	0.556541E-06	0.334522E-06	0.	0.0					
128	1	12817	0	-6	4	11.6	4	233	SW	0	0	360	4	4	1.10	1	0.474405E-04	0.226392E-04	0.209824E-05	0.846619E-06	0.	0.0					
128	1	12818	0	-4	4	7.9	4	228	SW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0					
128	1	12819	0	0	5	3.9	3	231	SW	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0					
128	1	12820	0	1	5	2.0	2	190	S	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0					
128	1	12821	0	1	5	3.9	3	333	NNW	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0					
128	1	12822	0	9	6	2.1	2	94	E	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0					
128	1	12823	0	4	5	1.5	2	130	SE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0					
128	1	12824	0	1	5	3.3	2	191	S	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0					
129	1	129 1	0	11	6	1.8	2	90	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0					
129	1	129 2	0	16	6	1.8	2	73	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0					
129	1	129 3	0	17	6	1.6	2	88	E	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0					
129	1	129 4	0	14	6	1.5	2	81	E	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0					
129	1	129 5	0	17	6	2.2	2	72	ENE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0					
129	1	129 6	0	18	6	2.1	2	74	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0					
129	1	129 7	0	24	7	2.6	2	82	E	0	0	360	7	7	6.00	3	0.544199E-03	0.317118E-03	0.637007E-04	0.113468E-04	0.	0.0					
129	1	129 8	0	6	5	1.6	2	95	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0					
129	1	129 9	0	10	6	1.6	2	91	E	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0					
129	1	12910	0	-1	5	2.3	2	95	E	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0					
129	1	12911	0	-6	4	2.6	2	157	SSE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0					
129	1	12912	0	-7	4	3.1	2	165	SSE	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0					
129	1	12913	0	-7	4	3.5	2	158	SSE	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0					
129	1	12914	0	-9	2	3.9	3	168	SSE	0	0	360	2	2	0.00	1	0.314751E-04	0.319741E-04	0.289949E-06	0.241144E-06	0.	0.0					
129	1	12915	0	-11	1	5.6	3	191	S	0	0	360	1	1	0.00	1	0.728544E-05	0.100841E-04	0.150564E-06	0.167940E-06	0.	0.0					
129	1	12916	0	-9	2	3.8	3	185	S	0	0	360	2	2	0.00	1	0.323034E-04	0.328155E-04	0.297579E-06	0.247490E-06	0.	0.0					
129	1	12917	0	-7	4	4.5	3	206	SSW	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0					
129	1	12918	0	-5	4	2.0	2	190	S	0	0	360	4	4	2.00	3	0.205433E-03	0.131307E-03	0.103848E-04	0.491039E-05	0.	0.0					

1291	1	12919	0	-3	4	3.0	2	195	SSW	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
1292	1	12920	0	-1	5	2.6	2	213	SSW	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
1292	1	12921	0	-1	5	2.1	2	184	S	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1292	1	12922	0	0	5	2.3	2	188	S	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1292	1	12923	0	0	5	2.8	2	179	S	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
1292	1	12924	0	3	5	2.6	2	180	S	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
130	1	130 1	0	9	6	1.6	2	61	ENE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
130	1	130 2	0	20	6	2.1	2	53	NE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
130	1	130 3	0	24	7	1.8	2	64	ENE	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0
130	1	130 4	0	31	7	2.3	2	50	NE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
130	1	130 5	0	20	6	1.7	2	36	NE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
130	1	130 6	0	23	6	2.4	2	57	ENE	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
130	1	130 7	0	23	6	2.0	2	109	ESE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
130	1	130 8	0	10	6	2.1	2	59	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
130	1	130 9	0	6	5	3.5	2	9	N	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
1301	1	13010	0	3	5	4.7	3	37	NE	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
1301	1	13011	0	3	5	4.2	3	55	NE	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
1301	1	13012	0	-1	5	4.2	3	122	ESE	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
1301	1	13013	0	-1	5	1.9	2	190	S	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
1301	1	13014	0	1	5	4.9	3	217	SW	0	0	360	5	5	2.74	3	0.121758E-03	0.692188E-04	0.828896E-05	0.303223E-05	0.	0.0
1301	1	13015	0	-3	4	7.1	3	220	SW	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
1301	1	13016	0	-6	4	5.4	3	204	SSW	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
1301	1	13017	0	-5	4	6.7	3	220	SW	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0
1301	1	13018	0	-3	4	6.4	3	220	SW	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
1301	1	13019	0	4	5	3.7	3	205	SSW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0

YEA 1PPL YEAR 2001 DT 60-10A 8-NOV-04 PAGE 20

E	ODATR		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2 TER		
1302	1	13020	0	6	5	1.8	2	50	NE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
1302	1	13021	0	14	6	2.5	2	63	ENE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
1302	1	13022	0	18	6	2.0	2	64	ENE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
1302	1	13023	0	23	6	2.1	2	72	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
1302	1	13024	0	13	6	2.5	2	68	ENE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
131	1	131 1	0	19	6	2.1	2	55	NE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
131	1	131 2	0	25	7	2.5	2	74	ENE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0
131	1	131 3	0	16	6	2.5	2	75	ENE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
131	1	131 4	0	17	6	1.5	2	100	E	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
131	1	131 5	0	7	5	1.3	2	102	ESE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
131	1	131 6	0	12	6	1.7	2	61	ENE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
131	1	131 7	0	21	6	1.8	2	125	SE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
131	1	131 8	0	8	6	1.5	2	93	E	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
131	1	131 9	0	4	5	1.9	2	175	S	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
1311	1	13110	0	14	6	3.1	2	217	SW	0	0	360	6	6	4.00	3	0.290987E-03	0.171433E-03	0.296398E-04	0.767333E-05	0.	0.0
1311	1	13111	0	17	6	3.9	3	214	SW	0	0	360	6	6	4.00	3	0.231298E-03	0.136267E-03	0.235598E-04	0.609931E-05	0.	0.0
1311	1	13112	0	-1	5	8.1	4	222	SW	0	0	360	5	5	1.66	1	0.101853E-03	0.418731E-04	0.596370E-05	0.183431E-05	0.	0.0
1311	1	13113	0	-5	4	9.2	4	229	SW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
1311	1	13114	0	-5	4	14.1	5	244	WSW	0	0	360	4	4	0.00	1	0.390291E-04	0.186252E-04	0.173267E-05	0.696509E-06	0.	0.0
1311	1	13115	0	-5	4	14.1	5	240	WSW	0	0	360	4	4	0.00	1	0.390291E-04	0.186252E-04	0.173267E-05	0.696509E-06	0.	0.0
1311	1	13116	0	-4	4	11.7	4	231	SW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
1311	1	13117	0	-3	4	7.8	4	224	SW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
1311	1	13118	0	-2	5	5.8	3	211	SSW	0	0	360	5	5	2.31	3	0.121758E-03	0.584779E-04	0.746982E-05	0.256171E-05	0.	0.0
1311	1	13119	0	-2	5	7.2	3	218	SW	0	0	360	5	5	1.86	1	0.114585E-03	0.471072E-04	0.647452E-05	0.206360E-05	0.	0.0
1312	1	13120	0	-3	4	8.2	4	228	SW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
1312	1	13121	0	-2	5	6.4	3	216	SW	0	0	360	5	5	2.10	3	0.121758E-03	0.529956E-04	0.700811E-05	0.232155E-05	0.	0.0
1312	1	13122	0	-2	5	6.8	3	215	SW	0	0	360	5	5	1.97	1	0.121325E-03	0.498782E-04	0.673075E-05	0.218499E-05	0.	0.0
1312	1	13123	0	-2	5	6.9	3	220	SW	0	0	360	5	5	1.95	1	0.119567E-03	0.491554E-04	0.666481E-05	0.215333E-05	0.	0.0
1312	1	13124	0	-2	5	5.5	3	218	SW	0	0	360	5	5	2.44	3	0.121758E-03	0.616676E-04	0.772426E-05	0.270144E-05	0.	0.0
2 1	1	2 1 1	0	-1	5	2.0	2	147	SSE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
2 1	1	2 1 2	0	-1	5	1.9	2	127	SE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
2 1	1	2 1 3	0	0	5	2.0	2	134	SE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
2 1	1	2 1 4	0	4	5	3.1	2	207	SSW	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
2 1	1	2 1 5	0	1	5	4.2	3	211	SSW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0

2 1	1 2 1 6 0	0	5	4.5	3	210	SSW	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
2 1	1 2 1 7 0	-1	5	4.7	3	213	SSW	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
2 1	1 2 1 8 0	0	5	4.2	3	212	SSW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
2 1	1 2 1 9 0	1	5	3.4	2	194	SSW	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
2 11	1 2 110 0	-1	5	3.3	2	202	SSW	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0
2 11	1 2 111 0	-4	4	8.5	4	230	SW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
2 11	1 2 112 0	-5	4	9.7	4	229	SW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
2 11	1 2 113 0	-6	4	11.0	4	238	WSW	0	0	360	4	4	1.13	1	0.500282E-04	0.238741E-04	0.219708E-05	0.892798E-06	0.	0.0
2 11	1 2 114 0	-6	4	10.0	4	261	W	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0
2 11	1 2 115 0	-7	4	9.3	4	249	WSW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0
2 11	1 2 116 0	-6	4	10.5	4	233	SW	0	0	360	4	4	1.17	1	0.524105E-04	0.250109E-04	0.228711E-05	0.935312E-06	0.	0.0
2 11	1 2 117 0	-4	4	7.6	4	230	SW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
2 11	1 2 118 0	-3	4	5.5	3	226	SW	0	0	360	4	4	1.76	3	0.850982E-04	0.477482E-04	0.393225E-05	0.178560E-05	0.	0.0
2 11	1 2 119 0	0	5	3.6	3	210	SSW	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
2 12	1 2 120 0	0	5	4.6	3	219	SW	0	0	360	5	5	2.92	3	0.121758E-03	0.737330E-04	0.860344E-05	0.322999E-05	0.	0.0
2 12	1 2 121 0	1	5	5.1	3	220	SW	0	0	360	5	5	2.63	3	0.121758E-03	0.665043E-04	0.809177E-05	0.291332E-05	0.	0.0
2 12	1 2 122 0	1	5	4.9	3	210	SSW	0	0	360	5	5	2.74	3	0.121758E-03	0.692188E-04	0.828896E-05	0.303223E-05	0.	0.0
2 12	1 2 123 0	0	5	4.1	3	206	SSW	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
2 12	1 2 124 0	1	5	3.1	2	194	SSW	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
2 2	1 2 2 1 0	6	5	1.5	2	158	SSE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
2 2	1 2 2 2 0	6	5	1.2	2	80	E	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0

E	0DATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
2 2	1 2 2 3 0	3	5	1.1	2	101	E	0	0	360	5	5	3.00	3	0.495201E-03	0.308338E-03	0.355585E-04	0.135072E-04	0.	0.0
2 2	1 2 2 4 0	3	5	1.2	2	65	ENE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
2 2	1 2 2 5 0	6	5	1.4	2	59	ENE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 2	1 2 2 6 0	7	5	1.7	2	66	ENE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
2 2	1 2 2 7 0	6	5	1.4	2	93	E	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 2	1 2 2 8 0	11	6	1.4	2	40	NE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
2 2	1 2 2 9 0	10	6	1.1	2	122	ESE	0	0	360	6	6	4.00	3	0.820055E-03	0.483129E-03	0.835303E-04	0.216248E-04	0.	0.0
2 21	1 2 210 0	12	6	1.2	2	80	E	0	0	360	6	6	4.00	3	0.751717E-03	0.442869E-03	0.765694E-04	0.198228E-04	0.	0.0
2 21	1 2 211 0	6	5	2.8	2	183	S	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
2 21	1 2 212 0	-6	4	4.6	3	188	S	0	0	360	4	4	1.97	3	0.909002E-04	0.570902E-04	0.454079E-05	0.213495E-05	0.	0.0
2 21	1 2 213 0	-8	3	5.7	3	195	SSW	0	0	360	3	3	0.00	1	0.449031E-04	0.326583E-04	0.108379E-05	0.651437E-06	0.	0.0
2 21	1 2 214 0	-10	1	7.6	4	203	SSW	0	0	360	1	1	0.00	1	0.536822E-05	0.743038E-05	0.110942E-06	0.123745E-06	0.	0.0
2 21	1 2 215 0	-7	4	9.9	4	233	SW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
2 21	1 2 216 0	-6	4	10.9	4	237	WSW	0	0	360	4	4	1.14	1	0.504871E-04	0.240931E-04	0.221449E-05	0.900989E-06	0.	0.0
2 21	1 2 217 0	-6	4	8.9	4	223	SW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
2 21	1 2 218 0	-4	4	8.4	4	237	WSW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
2 21	1 2 219 0	-4	4	11.2	4	266	W	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
2 22	1 2 220 0	-6	4	13.5	5	264	W	0	0	360	4	4	0.00	1	0.407637E-04	0.194530E-04	0.180968E-05	0.727465E-06	0.	0.0
2 22	1 2 221 0	-4	4	10.8	4	287	WNW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
2 22	1 2 222 0	-4	4	10.5	4	302	WNW	0	0	360	4	4	1.17	1	0.524105E-04	0.250109E-04	0.228711E-05	0.935312E-06	0.	0.0
2 22	1 2 223 0	-4	4	8.4	4	312	NW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
2 22	1 2 224 0	-4	4	4.1	3	273	W	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
2 3	1 2 3 1 0	-4	4	7.4	3	242	WSW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
2 3	1 2 3 2 0	-5	4	9.3	4	244	WSW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0
2 3	1 2 3 3 0	-5	4	7.8	4	245	WSW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
2 3	1 2 3 4 0	-5	4	6.9	3	247	WSW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
2 3	1 2 3 5 0	-5	4	5.6	3	287	WNW	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
2 3	1 2 3 6 0	-4	4	9.5	4	316	NW	0	0	360	4	4	1.24	1	0.579274E-04	0.276437E-04	0.249227E-05	0.103377E-05	0.	0.0
2 3	1 2 3 7 0	-4	4	8.9	4	323	NW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
2 3	1 2 3 8 0	-4	4	7.8	4	320	NW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
2 3	1 2 3 9 0	-4	4	6.9	3	311	NW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
2 31	1 2 310 0	-5	4	6.3	3	294	WNW	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
2 31	1 2 311 0	-5	4	8.4	4	308	NW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
2 31	1 2 312 0	-6	4	10.0	4	326	NW	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0
2 31	1 2 313 0	-6	4	10.1	4	323	NW	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
2 31	1 2 314 0	-6	4	8.1	4	329	NNW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
2 31	1 2 315 0	-10	1	8.5	4	265	W	0	0	360	1	1	0.00	1	0.479982E-05	0.664363E-05	0.991950E-07	0.110643E-06	0.	0.0
2 31	1 2 316 0	-10	1	8.0	4	248	WSW	0	0	360	1	1	0.00	1	0.509981E-05	0.705886E-05	0.105395E-06	0.117558E-06	0.	0.0

2 3	1 2 317 0	-9 2	8.9 4	251 WSW	0	0	360	2	2	0.00	1	0.137925E-04	0.140111E-04	0.127056E-06	0.105670E-06	0.	0.0
2 3	1 2 318 0	-7 4	7.8 4	251 WSW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
2 3	1 2 319 0	-4 4	4.3 3	231 SW	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
2 3	1 2 320 0	-1 5	2.4 2	214 SW	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
2 3	1 2 321 0	1 5	2.3 2	117 ESE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 3	1 2 322 0	1 5	1.5 2	138 SE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
2 3	1 2 323 0	7 5	1.4 2	86 E	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 3	1 2 324 0	10 6	2.2 2	79 E	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
2 4	1 2 4 1 0	6 5	2.0 2	75 ENE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
2 4	1 2 4 2 0	5 5	1.7 2	93 E	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
2 4	1 2 4 3 0	6 5	2.6 2	71 ENE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
2 4	1 2 4 4 0	0 5	2.5 2	73 ENE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
2 4	1 2 4 5 0	1 5	2.7 2	66 ENE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
2 4	1 2 4 6 0	-4 4	2.6 2	55 NE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
2 4	1 2 4 7 0	1 5	2.2 2	56 NE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
2 4	1 2 4 8 0	5 5	1.3 2	42 NE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
2 4	1 2 4 9 0	6 5	1.4 2	86 E	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0

; YE 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 22

TE	0DATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ LE 8	XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	H2	TER	
2 4	1 2 410 0	3 5	1.9 2	126	SE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
2 4	1 2 411 0	-6 4	4.3 3	175	S	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
2 4	1 2 412 0	-7 4	5.4 3	173	S	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
2 4	1 2 413 0	-9 2	4.9 3	178	S	0	0	360	2	2	0.00	1	0.250516E-04	0.254488E-04	0.230776E-06	0.191931E-06	0.	0.0
2 4	1 2 414 0	-9 2	5.9 3	184	S	0	0	360	2	2	0.00	1	0.208056E-04	0.211354E-04	0.191661E-06	0.159400E-06	0.	0.0
2 4	1 2 415 0	-8 3	6.0 3	186	S	0	0	360	3	3	0.00	1	0.426579E-04	0.310254E-04	0.107960E-05	0.618866E-06	0.	0.0
2 4	1 2 416 0	-7 4	6.7 3	194	SSW	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0
2 4	1 2 417 0	-6 4	5.3 3	196	SSW	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
2 4	1 2 418 0	-4 4	4.7 3	166	SSE	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
2 4	1 2 419 0	-1 5	4.1 3	167	SSE	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
2 4	1 2 420 0	-1 5	3.7 3	164	SSE	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
2 4	1 2 421 0	-1 5	3.1 2	163	SSE	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
2 4	1 2 422 0	-1 5	2.4 2	168	SSE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
2 4	1 2 423 0	6 5	1.9 2	86	E	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
2 4	1 2 424 0	18 6	3.0 2	50	NE	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
2 5	1 2 5 1 0	18 6	2.4 2	58	ENE	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
2 5	1 2 5 2 0	4 5	2.4 2	192	SSW	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
2 5	1 2 5 3 0	1 5	2.8 2	108	ESE	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
2 5	1 2 5 4 0	-3 4	3.7 3	120	ESE	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
2 5	1 2 5 5 0	-4 4	3.3 2	11	N	0	0	360	4	4	2.00	3	0.124505E-03	0.795803E-04	0.629384E-05	0.297599E-05	0.	0.0
2 5	1 2 5 6 0	-3 4	3.3 2	74	ENE	0	0	360	4	4	2.00	3	0.124505E-03	0.795803E-04	0.629384E-05	0.297599E-05	0.	0.0
2 5	1 2 5 7 0	-4 4	2.8 2	30	NNE	0	0	360	4	4	2.00	3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0
2 5	1 2 5 8 0	-3 4	1.6 2	32	NNE	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0
2 5	1 2 5 9 0	-2 5	2.6 2	26	NNE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
2 5	1 2 510 0	-3 4	2.4 2	12	NNE	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0
2 5	1 2 511 0	-4 4	1.6 2	22	NNE	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0
2 5	1 2 512 0	-3 4	1.0 2	46	NE	0	0	360	4	4	2.00	3	0.410867E-03	0.262615E-03	0.207697E-04	0.982078E-05	0.	0.0
2 5	1 2 513 0	-3 4	1.9 2	11	N	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
2 5	1 2 514 0	-3 4	2.2 2	22	NNE	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0
2 5	1 2 515 0	-3 4	1.7 2	28	NNE	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0
2 5	1 2 516 0	-3 4	1.3 2	200	SSW	0	0	360	4	4	2.00	3	0.316051E-03	0.202011E-03	0.159767E-04	0.755444E-05	0.	0.0
2 5	1 2 517 0	-3 4	1.9 2	252	WSW	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
2 5	1 2 518 0	-3 4	0.8 2	152	SSE	0	0	360	4	4	2.00	3	0.513583E-03	0.328269E-03	0.259621E-04	0.122760E-04	0.	0.0
2 5	1 2 519 0	-3 4	0.8 2	32	NNE	0	0	360	4	4	2.00	3	0.513583E-03	0.328269E-03	0.259621E-04	0.122760E-04	0.	0.0
2 5	1 2 520 0	-3 4	0.8 2	98	E	0	0	360	4	4	2.00	3	0.513583E-03	0.328269E-03	0.259621E-04	0.122760E-04	0.	0.0
2 5	1 2 521 0	-1 5	2.0 2	198	SSW	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
2 5	1 2 522 0	-1 5	3.5 2	233	SW	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
2 5	1 2 523 0	-2 5	4.2 3	251	WSW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
2 5	1 2 524 0	-2 5	2.5 2	223	SW	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
2 6	1 2 6 1 0	0 5	2.5 2	134	SE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
2 6	1 2 6 2 0	0 5	2.9 2	137	SE	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
2 6	1 2 6 3 0	0 5	1.8 2	100	E	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0

2 6	1 2 6 4 0	1 5	2.8 2	202	SSW	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
2 6	1 2 6 5 0	1 5	5.6 3	229	SW	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
2 6	1 2 6 6 0	1 5	3.0 2	218	SW	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
2 6	1 2 6 7 0	0 5	1.9 2	97	E	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
2 6	1 2 6 8 0	1 5	2.2 2	106	ESE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
2 6	1 2 6 9 0	2 5	2.0 2	119	ESE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
2 6	1 2 610 0	3 5	4.6 3	221	SW	0	0	360	5	5	2.92	3	0.121758E-03	0.737330E-04	0.860344E-05	0.322999E-05	0.	0.0
2 6	1 2 611 0	0 5	6.2 3	220	SW	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0
2 6	1 2 612 0	-4 4	8.8 4	218	SW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0
2 6	1 2 613 0	-4 4	10.4 4	223	SW	0	0	360	4	4	1.17	1	0.529144E-04	0.252514E-04	0.230604E-05	0.944305E-06	0.	0.0
2 6	1 2 614 0	-5 4	9.0 4	224	SW	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
2 6	1 2 615 0	-5 4	8.1 4	224	SW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
2 6	1 2 616 0	-4 4	5.4 3	210	SSW	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0

TE	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
2 6	1 2 617 0	-4	4	6.5	3	219	SW	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
2 6	1 2 618 0	-3	4	9.9	4	235	SW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
2 6	1 2 619 0	-1	5	5.3	3	224	SW	0	0	360	5	5	2.53	3	0.121758E-03	0.639947E-04	0.790374E-05	0.280339E-05	0.	0.0
2 6	1 2 620 0	-2	5	4.9	3	213	SSW	0	0	360	5	5	2.74	3	0.121758E-03	0.692188E-04	0.828896E-05	0.303223E-05	0.	0.0
2 6	1 2 621 0	-3	4	7.1	3	230	SW	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
2 6	1 2 622 0	-4	4	8.9	4	233	SW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
2 6	1 2 623 0	-3	4	7.1	3	227	SW	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
2 6	1 2 624 0	-3	4	8.2	4	227	SW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
2 7	1 2 7 1 0	-2	5	5.4	3	253	WSW	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
2 7	1 2 7 2 0	-3	4	4.3	3	264	W	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
2 7	1 2 7 3 0	-3	4	5.0	3	308	NW	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
2 7	1 2 7 4 0	-3	4	4.7	3	334	NNW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
2 7	1 2 7 5 0	-3	4	4.0	3	347	NNW	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
2 7	1 2 7 6 0	-2	5	4.1	3	335	NNW	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
2 7	1 2 7 7 0	-3	4	6.1	3	337	NNW	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
2 7	1 2 7 8 0	-3	4	6.0	3	333	NNW	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
2 7	1 2 7 9 0	-3	4	6.4	3	329	NNW	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
2 7	1 2 710 0	-3	4	4.7	3	344	NNW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
2 7	1 2 711 0	-4	4	3.8	3	304	NW	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
2 7	1 2 712 0	-4	4	6.0	3	271	W	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
2 7	1 2 713 0	-5	4	6.9	3	289	WNW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
2 7	1 2 714 0	-6	4	8.5	4	239	WSW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
2 7	1 2 715 0	-7	4	9.9	4	235	SW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
2 7	1 2 716 0	-6	4	9.1	4	244	WSW	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0
2 7	1 2 717 0	-5	4	7.4	3	251	WSW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
2 7	1 2 718 0	-4	4	6.6	3	275	W	0	0	360	4	4	1.56	3	0.795599E-04	0.397901E-04	0.338605E-05	0.148800E-05	0.	0.0
2 7	1 2 719 0	-3	4	7.4	3	324	NW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
2 7	1 2 720 0	-3	4	8.1	4	343	NNW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
2 7	1 2 721 0	-3	4	7.7	4	349	N	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0
2 7	1 2 722 0	1	5	4.5	3	10	N	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
2 7	1 2 723 0	8	6	4.2	3	20	NNE	0	0	360	6	6	4.00	3	0.214776E-03	0.126534E-03	0.218770E-04	0.566365E-05	0.	0.0
2 7	1 2 724 0	7	5	2.1	2	94	E	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 8	1 2 8 1 0	15	6	1.9	2	19	NNE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
2 8	1 2 8 2 0	9	6	1.7	2	129	SE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
2 8	1 2 8 3 0	13	6	2.4	2	70	ENE	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
2 8	1 2 8 4 0	12	6	2.4	2	68	ENE	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
2 8	1 2 8 5 0	11	6	2.2	2	81	E	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
2 8	1 2 8 6 0	11	6	2.6	2	76	ENE	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0
2 8	1 2 8 7 0	7	5	2.3	2	88	E	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 8	1 2 8 8 0	2	5	2.8	2	69	ENE	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
2 8	1 2 8 9 0	0	5	2.2	2	51	NE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
2 8	1 2 810 0	-2	5	2.3	2	61	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 8	1 2 811 0	-1	5	2.1	2	56	NE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 8	1 2 812 0	-3	4	2.2	2	106	ESE	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0
2 8	1 2 813 0	-6	4	4.9	3	160	SSE	0	0	360	4	4	1.89	3	0.888050E-04	0.535949E-04	0.431690E-05	0.200424E-05	0.	0.0
2 8	1 2 814 0	-9	2	5.3	3	170	S	0	0	360	2	2	0.00	1	0.231609E-04	0.235281E-04	0.213358E-06	0.177446E-06	0.	0.0

2 8	1	2	815	0	-7	4	5.6	3	169	S	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
2 8	1	2	816	0	-6	4	5.5	3	194	SSW	0	0	360	4	4	1.76	3	0.850982E-04	0.477482E-04	0.393225E-05	0.178560E-05	0.	0.0
2 8	1	2	817	0	-5	4	5.8	3	202	SSW	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
2 8	1	2	818	0	-4	4	4.8	3	192	SSW	0	0	360	4	4	1.91	3	0.894834E-04	0.547114E-04	0.438889E-05	0.204599E-05	0.	0.0
2 8	1	2	819	0	-1	5	3.8	3	189	S	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
2 8	1	2	820	0	1	5	3.1	2	200	SSW	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
2 8	1	2	821	0	2	5	2.0	2	168	SSE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
2 8	1	2	822	0	4	5	2.3	2	36	NE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 8	1	2	823	0	5	5	2.2	2	29	NNE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0

L YE 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 24

TE	0DATE				TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
2 8	1	2	824	0	6	5	2.1	2	37	NE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0								
2 9	1	2	9	1	0	9	6	2.6	2	24	NNE	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0							
2 9	1	2	9	2	0	11	6	2.1	2	36	NE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0							
2 9	1	2	9	3	0	9	6	2.7	2	34	NE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0							
2 9	1	2	9	4	0	14	6	2.0	2	60	ENE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0							
2 9	1	2	9	5	0	13	6	2.2	2	58	ENE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0							
2 9	1	2	9	6	0	19	6	1.7	2	92	E	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0							
2 9	1	2	9	7	0	25	7	2.0	2	80	E	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0							
2 9	1	2	9	8	0	9	6	2.6	2	71	ENE	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0							
2 9	1	2	9	9	0	7	5	2.8	2	16	NNE	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0							
2 9	1	2	910	0	5	5	2.7	2	359	N	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0								
2 9	1	2	911	0	6	5	2.6	2	78	ENE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0								
2 9	1	2	912	0	5	5	1.8	2	130	SE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0								
2 9	1	2	913	0	6	5	3.4	2	17	NNE	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0								
2 9	1	2	914	0	-3	4	2.6	2	123	ESE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0								
2 9	1	2	915	0	-5	4	2.1	2	324	NW	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0								
2 9	1	2	916	0	-4	4	2.6	2	94	E	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0								
2 9	1	2	917	0	-4	4	3.5	2	157	SSE	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0								
2 9	1	2	918	0	-1	5	5.9	3	182	S	0	0	360	5	5	2.27	3	0.121758E-03	0.574868E-04	0.738868E-05	0.251830E-05	0.	0.0								
2 9	1	2	919	0	4	5	3.7	3	206	SSW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0								
2 9	1	2	920	0	17	6	2.2	2	89	E	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0								
2 9	1	2	921	0	29	7	2.1	2	62	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0								
2 9	1	2	922	0	43	7	2.7	2	97	E	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0								
2 9	1	2	923	0	17	6	7.2	3	192	SSW	0	0	360	6	6	2.19	2	0.167049E-03	0.738114E-04	0.165179E-04	0.330380E-05	0.	0.0								
2 9	1	2	924	0	2	5	9.1	4	204	SSW	0	0	360	5	5	1.47	1	0.906607E-04	0.372716E-04	0.548303E-05	0.163274E-05	0.	0.0								
21C	1	210	1	0	1	5	9.0	4	197	SSW	0	0	360	5	5	1.49	1	0.916681E-04	0.376858E-04	0.552758E-05	0.165088E-05	0.	0.0								
21C	1	210	2	0	2	5	6.0	3	185	S	0	0	360	5	5	2.24	3	0.121758E-03	0.565287E-04	0.730930E-05	0.247632E-05	0.	0.0								
21C	1	210	3	0	1	5	6.7	3	198	SSW	0	0	360	5	5	2.00	3	0.121758E-03	0.506227E-04	0.679801E-05	0.221760E-05	0.	0.0								
21C	1	210	4	0	0	5	7.4	3	216	SW	0	0	360	5	5	1.81	1	0.111488E-03	0.458340E-04	0.635358E-05	0.200783E-05	0.	0.0								
21C	1	210	5	0	-1	5	12.9	5	241	WSW	0	0	360	5	5	1.04	1	0.639545E-04	0.262924E-04	0.409679E-05	0.115178E-05	0.	0.0								
21C	1	210	6	0	-3	4	14.9	5	253	WSW	0	0	360	4	4	0.00	1	0.369335E-04	0.176252E-04	0.163964E-05	0.659112E-06	0.	0.0								
21C	1	210	7	0	-3	4	18.7	5	251	WSW	0	0	360	4	4	0.00	1	0.294283E-04	0.140436E-04	0.130645E-05	0.525175E-06	0.	0.0								
21C	1	210	8	0	-3	4	17.2	5	254	WSW	0	0	360	4	4	0.00	1	0.319948E-04	0.152683E-04	0.142038E-05	0.570975E-06	0.	0.0								
21C	1	210	9	0	-4	4	14.1	5	272	W	0	0	360	4	4	0.00	1	0.390291E-04	0.186252E-04	0.173267E-05	0.696509E-06	0.	0.0								
21C	1	21010	0		-4	4	11.9	4	267	W	0	0	360	4	4	1.08	1	0.462445E-04	0.220685E-04	0.205218E-05	0.825275E-06	0.	0.0								
21C	1	21011	0		-4	4	15.3	5	275	W	0	0	360	4	4	0.00	1	0.359680E-04	0.171644E-04	0.159677E-05	0.641881E-06	0.	0.0								
21C	1	21012	0		-5	4	12.8	5	290	WNW	0	0	360	4	4	1.03	1	0.429930E-04	0.205168E-04	0.190864E-05	0.767248E-06	0.	0.0								
21C	1	21013	0		-6	4	13.6	5	298	WNW	0	0	360	4	4	0.00	1	0.404640E-04	0.193099E-04	0.179637E-05	0.722116E-06	0.	0.0								
21C	1	21014	0		-6	4	13.5	5	294	WNW	0	0	360	4	4	0.00	1	0.407637E-04	0.194530E-04	0.180968E-05	0.727465E-06	0.	0.0								
21C	1	21015	0		-6	4	14.4	5	279	W	0	0	360	4	4	0.00	1	0.382160E-04	0.182371E-04	0.169657E-05	0.681998E-06	0.	0.0								
21C	1	21016	0		-6	4	11.7	4	307	NW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0								
21C	1	21017	0		-6	4	13.6	5	314	NW	0	0	360	4	4	0.00	1	0.404640E-04	0.193099E-04	0.179637E-05	0.722116E-06	0.	0.0								
21C	1	21018	0		-5	4	12.2	4	310	NW	0	0	360	4	4	1.06	1	0.451074E-04	0.215258E-04	0.200251E-05	0.804982E-06	0.	0.0								
21C	1	21019	0		-4	4	10.7	4	320	NW	0	0	360	4	4	1.15	1	0.514308E-04	0.245434E-04	0.225020E-05	0.917829E-06	0.	0.0								
21C	1	21020	0		-4	4	10.4	4	325	NW	0	0	360	4	4	1.17	1	0.529144E-04	0.252514E-04	0.230604E-05	0.944305E-06	0.	0.0								
21C	1	21021	0		-4	4	10.4	4	331	NNW	0	0	360	4	4	1.17	1	0.529144E-04	0.252514E-04	0.230604E-05	0.944305E-06	0.	0.0								
21C	1	21022	0		-4	4	12.2	4	313	NW	0	0	360	4	4	1.06	1	0.451074E-04	0.215258E-04	0.200251E-05	0.804982E-06	0.	0.0								
21C	1	21023	0		-5	4	12.3	4	322	NW	0	0	360	4	4	1.06	1	0.447406E-04	0.213508E-04	0.198623E-05	0.798437E-06	0.	0.0								
21C	1	21024	0		-5	4	12.1	4	323	NW	0	0	360	4	4	1.07	1	0.454802E-04	0.217037E-04	0.201906E-05	0.811634E-06	0.	0.0								
211	1	211	1	0	-5	4	8.5	4	321	NW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0								

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211      1 211 2 0   -5 4  9.7 4  325 NW    0    0  360  4  4 1.23 1   0.567330E-04   0.270737E-04   0.244824E-05   0.101245E-05   0.   0.0
211      1 211 3 0   -5 4  9.1 4  320 NW    0    0  360  4  4 1.28 1   0.604736E-04   0.288588E-04   0.258545E-05   0.107921E-05   0.   0.0
211      1 211 4 0   -5 4  8.3 4  323 NW    0    0  360  4  4 1.35 1   0.663024E-04   0.316403E-04   0.279539E-05   0.118323E-05   0.   0.0
211      1 211 5 0   -4 4  8.5 4  325 NW    0    0  360  4  4 1.33 1   0.647423E-04   0.308959E-04   0.273964E-05   0.115539E-05   0.   0.0
211      1 211 6 0   -4 4  8.6 4  319 NW    0    0  360  4  4 1.32 1   0.639895E-04   0.305366E-04   0.271263E-05   0.114195E-05   0.   0.0
 YEA    1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                                                    PAGE     25
E       0DATE     TEMP GP SPED GP  DIR  GP  RA  RB RANG IRY IRZ     XQ LE   8     XQ GT   8  XQ(ELEV) LE   8  XQ(ELV) GT   8  H2 TER
211      1 211 7 0   -4 4  8.6 4  320 NW    0    0  360  4  4 1.32 1   0.639895E-04   0.305366E-04   0.271263E-05   0.114195E-05   0.   0.0
211      1 211 8 0   -4 4  6.9 3  321 NW    0    0  360  4  4 1.52 3   0.782652E-04   0.380601E-04   0.326350E-05   0.142330E-05   0.   0.0
211      1 211 9 0   -4 4  5.9 3  332 NNW   0    0  360  4  4 1.68 3   0.829214E-04   0.445110E-04   0.371340E-05   0.166454E-05   0.   0.0
2111     1 21110 0   -6 4 10.8 4  333 NNW   0    0  360  4  4 1.15 1   0.509546E-04   0.243162E-04   0.223220E-05   0.909331E-06   0.   0.0
2111     1 21111 0   -6 4 10.1 4  334 NNW   0    0  360  4  4 1.20 1   0.544861E-04   0.260015E-04   0.236484E-05   0.972354E-06   0.   0.0
2111     1 21112 0   -7 4  9.5 4  326 NW    0    0  360  4  4 1.24 1   0.579274E-04   0.276437E-04   0.249227E-05   0.103377E-05   0.   0.0
2111     1 21113 0   -6 4  9.8 4  348 NNW   0    0  360  4  4 1.22 1   0.561541E-04   0.267974E-04   0.242682E-05   0.100212E-05   0.   0.0
2111     1 21114 0   -6 4 10.0 4  334 NNW   0    0  360  4  4 1.20 1   0.550310E-04   0.262615E-04   0.238513E-05   0.982078E-06   0.   0.0
2111     1 21115 0   -6 4 10.6 4  328 NNW   0    0  360  4  4 1.16 1   0.519160E-04   0.247750E-04   0.226850E-05   0.926488E-06   0.   0.0
2111     1 21116 0   -6 4 10.2 4  344 NNW   0    0  360  4  4 1.19 1   0.539519E-04   0.257466E-04   0.234490E-05   0.962821E-06   0.   0.0
 YEA    1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                                                    PAGE     31
E       0DATE     TEMP GP SPED GP  DIR  GP  RA  RB RANG IRY IRZ     XQ LE   8     XQ GT   8  XQ(ELEV) LE   8  XQ(ELV) GT   8  H2 TER
 YEA    1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                                                    PAGE     37
        0                    CENTERLINE XQ                          AVERAGE XQ
ECTI     DIRECTION          GROUND          ELEVATED          GROUND          ELEVATED
            N          0.517337E-05    0.306320E-06    0.296077E-05    0.115529E-06
  N        NNE         0.876360E-05    0.609154E-06    0.530578E-05    0.214987E-06
  N        NE          0.202431E-04    0.178605E-05    0.122130E-04    0.500711E-06
  E        ENE         0.685598E-04    0.695267E-05    0.407176E-04    0.165060E-05
            E          0.348700E-04    0.327299E-05    0.209464E-04    0.868119E-06
  E        ESE         0.159016E-04    0.132857E-05    0.969833E-05    0.406373E-06
  S        SE          0.124997E-04    0.966310E-06    0.766783E-05    0.317319E-06
  S        SSE         0.102297E-04    0.765161E-06    0.629902E-05    0.262401E-06
            S          0.119360E-04    0.876159E-06    0.737030E-05    0.303460E-06
  S        SSW         0.962424E-05    0.666904E-06    0.590559E-05    0.241158E-06
  S        SW          0.911137E-05    0.552986E-06    0.541298E-05    0.206206E-06
  W        WSW         0.354930E-05    0.182201E-06    0.207691E-05    0.752263E-07
            W          0.185594E-05    0.946385E-07    0.104407E-05    0.388944E-07
  W        WNW         0.135935E-05    0.693232E-07    0.774418E-06    0.293359E-07
  N        NW          0.294382E-05    0.152590E-06    0.159369E-05    0.603055E-07
  N        NNW         0.350148E-05    0.193728E-06    0.190065E-05    0.735387E-07

 YEA    1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                                                    PAGE     38
        0                          AVERAGE X/Q  HOUR OF THE DAY          1                                2                        3
ECTI     0DIRECTION         GROUND          ELEVATED          GROUND          ELEVATED          GROUND          ELEVATED
            N          0.107448E-05    0.424221E-07    0.311926E-05    0.127148E-06    0.308441E-05    0.125282E-06
  N        NNE         0.111629E-04    0.451128E-06    0.414362E-05    0.175471E-06    0.473137E-05    0.203832E-06
  N        NE          0.148618E-04    0.607182E-06    0.257928E-04    0.107728E-05    0.242224E-04    0.101964E-05
  E        ENE         0.876295E-04    0.353589E-05    0.743617E-04    0.303141E-05    0.695871E-04    0.284701E-05
            E          0.321463E-04    0.135298E-05    0.431464E-04    0.178623E-05    0.488064E-04    0.201519E-05
  E        ESE         0.150833E-04    0.642302E-06    0.947701E-05    0.415198E-06    0.128032E-04    0.537213E-06
  S        SE          0.130582E-04    0.542268E-06    0.950998E-05    0.416522E-06    0.109516E-04    0.476686E-06
  S        SSE         0.862297E-05    0.368712E-06    0.802163E-05    0.340156E-06    0.668240E-05    0.287101E-06
            S          0.668180E-05    0.289358E-06    0.106895E-04    0.471169E-06    0.532868E-05    0.230029E-06
  S        SSW         0.352349E-05    0.155155E-06    0.486458E-05    0.214970E-06    0.432914E-05    0.190318E-06
  S        SW          0.465623E-05    0.198693E-06    0.474336E-05    0.188856E-06    0.483754E-05    0.196607E-06
  W        WSW         0.118089E-05    0.482117E-07    0.810418E-06    0.327860E-07    0.938405E-06    0.364540E-07
            W          0.601807E-06    0.225053E-07    0.130292E-05    0.547224E-07    0.100747E-05    0.403567E-07
  W        WNW         0.489562E-06    0.200190E-07    0.746153E-06    0.302900E-07    0.895595E-06    0.357955E-07
  N        NW          0.127457E-05    0.505929E-07    0.110279E-05    0.422383E-07    0.117827E-05    0.457739E-07
  N        NNW         0.131139E-05    0.503718E-07    0.274258E-05    0.115150E-06    0.118935E-05    0.480005E-07

        0                          AVERAGE X/Q  HOUR OF THE DAY          4                                5                        6
ECTI     0DIRECTION         GROUND          ELEVATED          GROUND          ELEVATED          GROUND          ELEVATED
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N	0.278204E-05	0.116488E-06	0.249331E-05	0.943987E-07	0.191191E-05	0.761651E-07
NNE	0.625538E-05	0.265115E-06	0.639266E-05	0.268735E-06	0.795643E-05	0.332326E-06
NE	0.188676E-04	0.770635E-06	0.150233E-04	0.640568E-06	0.120731E-04	0.504287E-06
ENE	0.819690E-04	0.336664E-05	0.819613E-04	0.334780E-05	0.696450E-04	0.286188E-05
E	0.394623E-04	0.165491E-05	0.347781E-04	0.146991E-05	0.436881E-04	0.185930E-05
ESE	0.153721E-04	0.654264E-06	0.165030E-04	0.710118E-06	0.229454E-04	0.996765E-06
SE	0.896339E-05	0.376582E-06	0.833657E-05	0.364485E-06	0.910431E-05	0.388992E-06
SSE	0.672124E-05	0.284022E-06	0.624419E-05	0.271771E-06	0.948952E-05	0.406563E-06
S	0.788335E-05	0.339896E-06	0.946547E-05	0.401733E-06	0.540972E-05	0.229551E-06
SSW	0.528739E-05	0.230996E-06	0.100263E-04	0.417756E-06	0.366118E-05	0.159148E-06
SW	0.405880E-05	0.165744E-06	0.607487E-05	0.258086E-06	0.308649E-05	0.126625E-06
WSW	0.214542E-05	0.868128E-07	0.807015E-06	0.313165E-07	0.994894E-06	0.393443E-07
W	0.470127E-06	0.200291E-07	0.791108E-06	0.337806E-07	0.892753E-06	0.363433E-07
WNW	0.765836E-06	0.319668E-07	0.108533E-05	0.450666E-07	0.349131E-06	0.130561E-07
NW	0.153214E-05	0.626811E-07	0.622863E-06	0.253969E-07	0.117203E-05	0.460094E-07
NNW	0.114454E-05	0.453801E-07	0.152715E-05	0.582398E-07	0.332333E-05	0.126609E-06

L YE 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 39

0 AVERAGE X/Q HOUR OF THE DAY 7 8 9

RECT 0DIRECTION

	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	0.162948E-05	0.653121E-07	0.315194E-05	0.129437E-06	0.441753E-05	0.167938E-06
NNE	0.500470E-05	0.205914E-06	0.521537E-05	0.213302E-06	0.404426E-05	0.151158E-06
NE	0.173360E-04	0.715741E-06	0.114537E-04	0.465638E-06	0.992771E-05	0.406978E-06
ENE	0.523194E-04	0.214273E-05	0.285605E-04	0.117124E-05	0.143664E-04	0.562434E-06
E	0.382404E-04	0.157291E-05	0.341085E-04	0.136215E-05	0.215637E-04	0.861709E-06
ESE	0.226243E-04	0.973388E-06	0.258226E-04	0.104846E-05	0.112759E-04	0.464250E-06
SE	0.148998E-04	0.615062E-06	0.848420E-05	0.335346E-06	0.120367E-04	0.499246E-06
SSE	0.988392E-05	0.423902E-06	0.760164E-05	0.317886E-06	0.105413E-04	0.422625E-06
S	0.513138E-05	0.222680E-06	0.846094E-05	0.338386E-06	0.109719E-04	0.439415E-06
SSW	0.421446E-05	0.180073E-06	0.623382E-05	0.247319E-06	0.450487E-05	0.161100E-06
SW	0.476471E-05	0.202381E-06	0.646127E-05	0.263535E-06	0.550974E-05	0.198640E-06
WSW	0.288428E-05	0.113404E-06	0.944070E-06	0.376482E-07	0.181195E-05	0.636734E-07
W	0.112589E-05	0.452586E-07	0.112883E-05	0.422677E-07	0.121344E-05	0.414335E-07
WNW	0.788244E-06	0.339910E-07	0.133974E-06	0.501009E-08	0.686096E-06	0.269456E-07
NW	0.217895E-05	0.878260E-07	0.174321E-05	0.651892E-07	0.176063E-05	0.644639E-07
NNW	0.107363E-05	0.417682E-07	0.998238E-06	0.386046E-07	0.170580E-05	0.637903E-07

0 AVERAGE X/Q HOUR OF THE DAY 10 11 12

RECT 0DIRECTION

	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	0.139085E-05	0.480953E-07	0.100688E-05	0.351150E-07	0.225376E-05	0.775916E-07
NNE	0.301579E-05	0.110958E-06	0.376757E-05	0.136724E-06	0.282676E-05	0.998432E-07
NE	0.519217E-05	0.192187E-06	0.322185E-05	0.119596E-06	0.228784E-05	0.729514E-07
ENE	0.992167E-05	0.379195E-06	0.423583E-05	0.162684E-06	0.294093E-05	0.107229E-06
E	0.116571E-04	0.455239E-06	0.882146E-05	0.355918E-06	0.242568E-05	0.785269E-07
ESE	0.130064E-04	0.509698E-06	0.367581E-05	0.135174E-06	0.332091E-05	0.128617E-06
SE	0.700847E-05	0.283134E-06	0.561317E-05	0.209668E-06	0.459262E-05	0.173750E-06
SSE	0.327093E-05	0.125332E-06	0.585729E-05	0.217378E-06	0.264740E-05	0.962214E-07
S	0.581809E-05	0.204303E-06	0.317673E-05	0.108801E-06	0.356291E-05	0.133982E-06
SSW	0.459083E-05	0.157351E-06	0.387592E-05	0.132125E-06	0.267213E-05	0.779730E-07
SW	0.900306E-05	0.289628E-06	0.625056E-05	0.187349E-06	0.505155E-05	0.160671E-06
WSW	0.188643E-05	0.676002E-07	0.259552E-05	0.874582E-07	0.322479E-05	0.100149E-06
W	0.822334E-06	0.265264E-07	0.754410E-06	0.228945E-07	0.886278E-06	0.299913E-07
WNW	0.205281E-06	0.767672E-08	0.658412E-06	0.213117E-07	0.100114E-05	0.321736E-07
NW	0.197829E-05	0.665372E-07	0.192386E-05	0.687997E-07	0.199564E-05	0.754766E-07
NNW	0.120776E-05	0.421325E-07	0.176347E-05	0.668287E-07	0.119110E-05	0.395937E-07

L YE 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 40

0 AVERAGE X/Q HOUR OF THE DAY 13 14 15

RECT 0DIRECTION

	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	0.203302E-05	0.680094E-07	0.221079E-05	0.752075E-07	0.291158E-05	0.103251E-06
NNE	0.201288E-05	0.692790E-07	0.293817E-05	0.980038E-07	0.292883E-05	0.996815E-07

NE	0.228342E-05	0.879484E-07	0.205187E-05	0.699699E-07	0.124895E-05	0.421437E-07
ENE	0.247561E-05	0.846766E-07	0.193298E-05	0.647756E-07	0.178218E-05	0.586230E-07
E	0.758830E-06	0.251623E-07	0.144362E-05	0.498379E-07	0.158547E-05	0.633391E-07
ESE	0.216755E-05	0.816754E-07	0.612693E-06	0.192376E-07	0.191693E-05	0.732084E-07
SE	0.209408E-05	0.694659E-07	0.184445E-05	0.514249E-07	0.193556E-05	0.619182E-07
SSE	0.320767E-05	0.112485E-06	0.209796E-05	0.691936E-07	0.139648E-05	0.470161E-07
S	0.516593E-05	0.185836E-06	0.371772E-05	0.126143E-06	0.453025E-05	0.147257E-06
SSW	0.244336E-05	0.782185E-07	0.313788E-05	0.999063E-07	0.442303E-05	0.161757E-06
SW	0.380994E-05	0.103753E-06	0.375422E-05	0.110442E-06	0.461083E-05	0.136887E-06
WSW	0.211264E-05	0.548734E-07	0.411094E-05	0.125558E-06	0.385137E-05	0.125077E-06
W	0.164352E-05	0.523172E-07	0.933847E-06	0.257914E-07	0.850509E-06	0.289481E-07
WNW	0.932909E-06	0.340715E-07	0.478625E-06	0.145788E-07	0.112502E-05	0.358608E-07
NW	0.149235E-05	0.494836E-07	0.128126E-05	0.439775E-07	0.201844E-05	0.731647E-07
NNW	0.293373E-05	0.100601E-06	0.148010E-05	0.492751E-07	0.207771E-05	0.724173E-07

0 AVERAGE X/Q HOUR OF THE DAY 16 17 18

RECT.	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
	N	0.292129E-05	0.994034E-07	0.410540E-05	0.152908E-06	0.534968E-05	0.209097E-06
	NNE	0.287433E-05	0.977144E-07	0.352003E-05	0.130618E-06	0.589030E-05	0.242851E-06
	NE	0.223138E-05	0.813086E-07	0.262449E-05	0.101348E-06	0.425404E-05	0.174284E-06
	ENE	0.163688E-05	0.607115E-07	0.210720E-05	0.798774E-07	0.545373E-05	0.227453E-06
	E	0.188742E-05	0.705821E-07	0.304262E-06	0.113782E-07	0.502397E-05	0.208101E-06
	ESE	0.104353E-05	0.377583E-07	0.250231E-05	0.966114E-07	0.186551E-05	0.782028E-07
	SE	0.396396E-05	0.141892E-06	0.422277E-05	0.166567E-06	0.740295E-05	0.309652E-06
	SSE	0.283705E-05	0.106761E-06	0.397875E-05	0.149150E-06	0.924166E-05	0.388913E-06
	S	0.536162E-05	0.183185E-06	0.100900E-04	0.409939E-06	0.986999E-05	0.416322E-06
	SSW	0.544444E-05	0.190254E-06	0.734904E-05	0.288522E-06	0.986340E-05	0.411256E-06
	SW	0.575793E-05	0.193731E-06	0.745571E-05	0.273559E-06	0.672181E-05	0.269249E-06
	WSW	0.224767E-05	0.665824E-07	0.356210E-05	0.125059E-06	0.301472E-05	0.117157E-06
	W	0.189350E-05	0.637161E-07	0.152512E-05	0.569760E-07	0.168678E-05	0.630790E-07
	WNW	0.660950E-06	0.233150E-07	0.146613E-05	0.561984E-07	0.191173E-05	0.714913E-07
	NW	0.149652E-05	0.541277E-07	0.241235E-05	0.902124E-07	0.159841E-05	0.608633E-07
	NNW	0.224781E-05	0.854073E-07	0.166671E-05	0.639970E-07	0.222513E-05	0.851512E-07

. YE. 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 41

0 AVERAGE X/Q HOUR OF THE DAY 19 20 21

RECT.	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
	N	0.621980E-05	0.261618E-06	0.467248E-05	0.195511E-06	0.354778E-05	0.149572E-06
	NNE	0.602954E-05	0.247211E-06	0.544524E-05	0.234898E-06	0.730640E-05	0.306577E-06
	NE	0.902867E-05	0.369894E-06	0.171823E-04	0.743926E-06	0.205269E-04	0.851455E-06
	ENE	0.272857E-04	0.115558E-05	0.460800E-04	0.183698E-05	0.777089E-04	0.314622E-05
	E	0.120940E-04	0.508075E-06	0.221577E-04	0.912914E-06	0.193904E-04	0.823741E-06
	ESE	0.539657E-05	0.227965E-06	0.873076E-05	0.380803E-06	0.548822E-05	0.234545E-06
	SE	0.998247E-05	0.428212E-06	0.838107E-05	0.365232E-06	0.110050E-04	0.479106E-06
	SSE	0.882409E-05	0.384935E-06	0.786330E-05	0.343926E-06	0.323634E-05	0.141203E-06
	S	0.106605E-04	0.464894E-06	0.661741E-05	0.285380E-06	0.882369E-05	0.385267E-06
	SSW	0.964476E-05	0.418355E-06	0.114354E-04	0.496641E-06	0.784718E-05	0.339724E-06
	SW	0.699644E-05	0.295493E-06	0.580798E-05	0.250426E-06	0.602923E-05	0.259015E-06
	WSW	0.283361E-05	0.113701E-06	0.207272E-05	0.842556E-07	0.109679E-05	0.466819E-07
	W	0.143360E-05	0.576260E-07	0.144642E-05	0.582144E-07	0.264377E-06	0.107303E-07
	WNW	0.548259E-06	0.205027E-07	0.332038E-06	0.124169E-07	0.396821E-06	0.148396E-07
	NW	0.223687E-05	0.883026E-07	0.130820E-05	0.540267E-07	0.233374E-05	0.865387E-07
	NNW	0.299912E-05	0.122229E-06	0.304401E-05	0.126698E-06	0.175304E-05	0.717221E-07

0 AVERAGE X/Q HOUR OF THE DAY 22 23 24

RECT.	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
	N	0.386090E-05	0.160162E-06	0.155334E-05	0.628914E-07	0.332853E-05	0.128141E-06
	NNE	0.782942E-05	0.330603E-06	0.908613E-05	0.393950E-06	0.685701E-05	0.288860E-06
	NE	0.228798E-04	0.947043E-06	0.212401E-04	0.852941E-06	0.268717E-04	0.108391E-05
	ENE	0.764776E-04	0.307349E-05	0.773892E-04	0.310598E-05	0.777450E-04	0.313629E-05
	E	0.266852E-04	0.111589E-05	0.276859E-04	0.115979E-05	0.240759E-04	0.102830E-05

ESE	0.676205E-05	0.281861E-06	0.777496E-05	0.326346E-06	0.163092E-04	0.687041E-06
SE	0.690889E-05	0.273478E-06	0.667494E-05	0.288358E-06	0.687159E-05	0.290327E-06
SSE	0.622141E-05	0.267765E-06	0.646448E-05	0.279457E-06	0.100637E-04	0.437833E-06
S	0.109171E-04	0.468627E-06	0.121861E-04	0.525350E-06	0.624714E-05	0.269442E-06
SSW	0.661386E-05	0.291124E-06	0.789045E-05	0.344281E-06	0.776809E-05	0.338684E-06
SW	0.482847E-05	0.208507E-06	0.472431E-05	0.202179E-06	0.491298E-05	0.207158E-06
WSW	0.105908E-05	0.439210E-07	0.160460E-05	0.693752E-07	0.210702E-05	0.895533E-07
W	0.516755E-07	0.193246E-08	0.110520E-05	0.470042E-07	0.122500E-05	0.507636E-07
WNW	0.171243E-05	0.705349E-07	0.921617E-06	0.357670E-07	0.294815E-06	0.110249E-07
NW	0.115260E-05	0.471228E-07	0.137649E-05	0.553388E-07	0.108619E-05	0.433326E-07
NNW	0.256068E-05	0.108467E-06	0.142538E-05	0.586573E-07	0.201381E-05	0.831687E-07

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L YE    1PPL YEAR 2001 DT 60-10A          8-NOV-04...                                                    PAGE    42


TAL     0TOTAL PERIOD OF RECORD      8760
TAL     0TOTAL GOOD HOURS            8696
URS     0HOURS OF RANGE EXCLUSION   HORIZONTAL      0 VERTICAL      0
URS     0HOURS OF BAD DATA             64
URS     0HOURS OF SPEED EXCLUSION   HORIZONTAL      0 VERTICAL      0
URS     0HOURS OF CALM                  0
RCEN    0PERCENT CALM                0.00
ERAG    0AVERAGE WIND SPEED (MPH)    4.45
ERAG    0AVERAGE RANGE (DEG)          359
ERAG    0AVERAGE TEMPERATURE X10        1
ANCH    0BRANCH TECH USAGE 1,2,3     2391     8  6297
TUP,     ISTUP,MODE,IWOD      1      1      1
L YE    1PPL YEAR 2001 DT 60-10A          8-NOV-04...                                                    PAGE    43
INDO    0 WINDOW LENGTH (HOURS) =      1
OUND    0GROUND RELEASE
RECT    0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N          N      0.1088E-02  1111524  1  0.6014E-03  11116 9  1  0.5442E-03  1 329 5  1  0.4296E-03  1 421 3  2  0.4190E-03  1112722  1
NN        NNE     0.1179E-02  110 4 1  1  0.1011E-02  11010 1  1  0.8201E-03  112 2 8  1  0.6939E-03  11214 4  1  0.6738E-03  1 9 9 1  2
NE        NE      0.1179E-02  110 323  1  0.1088E-02  110 324  1  0.1011E-02  11010 4  1  0.9433E-03  1 5 3 5  4  0.8843E-03  1 5 1 2  7
EN        ENE     0.1572E-02  1121121  1  0.1415E-02  1121122  1  0.1088E-02  1 22010  3  0.1011E-02  1 512 1  8  0.9433E-03  1 31423 11
E          E      0.1179E-02  1 725 2  2  0.1088E-02  1 9 8 3  1  0.1011E-02  1 1 5 7  6  0.1002E-02  1 710 2  2  0.9433E-03  1 4 423 13
ES        ESE     0.1179E-02  111 1 1  1  0.1088E-02  1 82024  3  0.1011E-02  1 1 5 8  3  0.1002E-02  110 2 2  2  0.9433E-03  1 4 6 8  3
SE        SE      0.1286E-02  110 122  2  0.1179E-02  1 220 4  1  0.1011E-02  1 61724  3  0.1002E-02  1 93023  2  0.8843E-03  1 924 7  2
SS        SSE     0.1128E-02  110 3 5  1  0.1002E-02  110 2 7  1  0.8323E-03  1 11211  1  0.8201E-03  1 124 1  2  0.7517E-03  1 31322  3
S          S      0.7861E-03  11030 5  1  0.7517E-03  1102922  1  0.6939E-03  1 82022  2  0.6738E-03  112 422  1  0.6443E-03  1 124 2  2
SS        SSW     0.8323E-03  11023 5  1  0.7517E-03  11122 5  1  0.6939E-03  1 4 4 5  1  0.6443E-03  1 1 8 8  2  0.6431E-03  1 4 9 5  1
SW        SW      0.1002E-02  110 3 7  1  0.8323E-03  11116 3  1  0.7861E-03  11116 2  1  0.6443E-03  11116 5  1  0.5011E-03  1 4 9 8  1
WS        WSW     0.4748E-03  1 1 223  1  0.4190E-03  1 4 624  1  0.2910E-03  1 413 7  1  0.2476E-03  1101724  2  0.2417E-03  1 7 9 7  1
W          W      0.4748E-03  1 5 923  1  0.3204E-03  11212 5  1  0.2476E-03  1 3 8 2  1  0.2417E-03  1 8 513  1  0.2368E-03  1 83024  1
WN        WNW     0.3891E-03  1 63022  1  0.3026E-03  1 528 5  1  0.2867E-03  1 7 6 7  1  0.2368E-03  1 224 9  1  0.2095E-03  1 126 3  1
NW        NW      0.9433E-03  110 921  1  0.5306E-03  11022 7  1  0.2568E-03  1 613 2  1  0.2417E-03  1 911 6  2  0.2368E-03  1 327 4  1
NN        NNW     0.8843E-03  11116 6  1  0.8201E-03  11214 2  1  0.5011E-03  1102420  1  0.4190E-03  1 52822  1  0.3608E-03  1 81624  1
EVAT    0ELEVATED RELEASE
RECT    0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N          N      0.1274E-03  1111524  1  0.6370E-04  1 329 5  1  0.6126E-04  11116 9  1  0.4375E-04  1 421 3  2  0.3675E-04  111 619  1
NN        NNE     0.1380E-03  110 4 1  1  0.1183E-03  11010 1  1  0.8353E-04  112 2 8  1  0.7887E-04  1 9 9 1  2  0.7528E-04  1 6 224  1
NE        NE      0.1380E-03  110 323  1  0.1274E-03  110 324  1  0.1183E-03  11010 4  1  0.1104E-03  1 5 3 5  4  0.1035E-03  1 5 1 2  7
EN        ENE     0.1840E-03  1121121  1  0.1656E-03  1121122  1  0.1274E-03  1 22010  3  0.1183E-03  1 512 1  8  0.1104E-03  1 31423 11
E          E      0.1380E-03  1 725 2  2  0.1274E-03  1 9 8 3  1  0.1183E-03  1 1 5 7  6  0.1104E-03  1 4 423 13  0.1035E-03  1 424 6  6
ES        ESE     0.1380E-03  111 1 1  1  0.1274E-03  1 82024  3  0.1183E-03  1 1 5 8  3  0.1104E-03  1 4 6 8  3  0.1035E-03  1 122 5  3
SE        SE      0.1506E-03  110 122  2  0.1380E-03  1 220 4  1  0.1183E-03  1 61724  3  0.1035E-03  1 924 7  2  0.1021E-03  1 93023  2
SS        SSE     0.1149E-03  110 3 5  1  0.1021E-03  110 2 7  1  0.9742E-04  1 11211  1  0.8353E-04  1 124 1  2  0.8281E-04  1 1 5 9  1
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E	S	0.9201E-04	11030 5	1	0.7887E-04	112 422	1	0.7657E-04	1102922	1	0.7528E-04	112 1 8	1	0.7201E-04	11116 4	1
SS	SSW	0.9742E-04	11023 5	1	0.7657E-04	11122 5	1	0.7528E-04	1 4 9 5	1	0.7068E-04	1 4 4 5	1	0.6625E-04	11116 8	1
SW	SW	0.1021E-03	110 3 7	1	0.9742E-04	11116 3	1	0.9201E-04	11116 2	1	0.6563E-04	11116 5	1	0.5711E-04	112 424	1
WS	WSW	0.4836E-04	1 1 223	1	0.3009E-04	1 4 624	1	0.2964E-04	1 413 7	1	0.2033E-04	1 319 8	1	0.1844E-04	111 623	1
W	W	0.4836E-04	1 5 923	1	0.2301E-04	11212 5	1	0.1778E-04	1 3 8 2	1	0.1701E-04	1 83024	1	0.1504E-04	1 62719	1
WN	WNW	0.2794E-04	1 63022	1	0.2173E-04	1 528 5	1	0.2059E-04	1 7 6 7	1	0.1701E-04	1 224 9	1	0.1504E-04	1 126 3	1
NW	NW	0.1104E-03	110 921	1	0.5405E-04	11022 7	1	0.1701E-04	1 327 4	1	0.1298E-04	1 613 2	1	0.1222E-04	1 911 6	2
NN	NNW	0.1035E-03	11116 6	1	0.8353E-04	11214 2	1	0.5105E-04	1102420	1	0.3675E-04	1 81624	1	0.3009E-04	1 52822	1

L YE 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 44
INDC 0 WINDOW LENGTH (HOURS) = 1
E VA THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
OUNI 0GROUND RELEASE

ANTS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
UNTS	COUNTS	8696	8696	8696	8696	8696	8696	8696	8696	8696	8696
OB.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
ANTS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
UNTS	COUNTS	8696	8696	8696	8696	8694	8655	8576	8402	8288	8213
OB.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9998E+00	0.9953E+00	0.9862E+00	0.9662E+00	0.9531E+00	0.9445E+00
ANTS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
UNTS	COUNTS	8052	7944	7873	7800	7718	7589	7341	7001	6655	5922
OB.	PROB.	0.9259E+00	0.9135E+00	0.9054E+00	0.8970E+00	0.8875E+00	0.8727E+00	0.8442E+00	0.8051E+00	0.7653E+00	0.6810E+00
ANTS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
UNTS	COUNTS	5390	4509	3903	3470	2839	2374	1902	1550	1017	610
OB.	PROB.	0.6198E+00	0.5185E+00	0.4488E+00	0.3990E+00	0.3265E+00	0.2730E+00	0.2187E+00	0.1782E+00	0.1170E+00	0.7015E-01
ANTS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
UNTS	COUNTS	301	116	50	2	0	0	0			
OB.	PROB.	0.3461E-01	0.1334E-01	0.5750E-02	0.2300E-03	0.0000E+00	0.0000E+00	0.0000E+00			
EVAT	0ELEVATED RELEASE										
ANTS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
UNTS	COUNTS	8696	8696	8696	8696	8685	8571	8272	7996	7847	7761
OB.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9987E+00	0.9856E+00	0.9512E+00	0.9195E+00	0.9024E+00	0.8925E+00
ANTS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
UNTS	COUNTS	7700	7629	7557	7365	6554	5864	5413	4808	4338	3964
OB.	PROB.	0.8855E+00	0.8773E+00	0.8690E+00	0.8469E+00	0.7537E+00	0.6743E+00	0.6225E+00	0.5529E+00	0.4989E+00	0.4558E+00
ANTS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
UNTS	COUNTS	3167	2602	2187	1878	1623	1379	1055	719	471	221
OB.	PROB.	0.3642E+00	0.2992E+00	0.2515E+00	0.2160E+00	0.1866E+00	0.1586E+00	0.1213E+00	0.8268E-01	0.5416E-01	0.2541E-01
ANTS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
UNTS	COUNTS	109	10	1	0	0	0	0	0	0	0
OB.	PROB.	0.1253E-01	0.1150E-02	0.1150E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
ANTS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
UNTS	COUNTS	0	0	0	0	0	0	0			
OB.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

L YE 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 45
INDC 0 WINDOW LENGTH (HOURS) = 2
OUNI 0GROUND RELEASE

RECT	0DIRECTION	SUM(X/Q)/N	MAX1 DATE	CT	SUM(X/Q)/N	MAX2 DATE	CT	SUM(X/Q)/N	MAX3 DATE	CT	SUM(X/Q)/N	MAX4 DATE	CT	SUM(X/Q)/N	MAX5 DATE	CT
N	N	0.5442E-03	1111523	2	0.3163E-03	1 421 2	1	0.3007E-03	11116 8	2	0.2721E-03	1 329 4	2	0.2230E-03	1 9 119	1
NN	NNE	0.5895E-03	110 324	2	0.5053E-03	110 924	2	0.4237E-03	1121318	2	0.4100E-03	112 2 7	2	0.3813E-03	1121320	1
NE	NE	0.1134E-02	110 323	1	0.8647E-03	110 421	1	0.8583E-03	112 521	1	0.7090E-03	112 5 1	1	0.6939E-03	1111022	1
EN	ENE	0.1494E-02	1121121	1	0.1291E-02	1121120	1	0.1150E-02	1121122	1	0.1050E-02	1121119	1	0.9475E-03	1121123	1
E	E	0.9433E-03	111 1 2	1	0.9215E-03	1 816 3	1	0.9138E-03	110 4 4	2	0.8647E-03	110 321	1	0.8085E-03	110 320	1
ES	ESE	0.9770E-03	1 42523	1	0.8186E-03	1 422 7	1	0.7428E-03	1 122 5	1	0.7322E-03	1 1 324	1	0.7163E-03	1 810 6	1
SE	SE	0.6431E-03	110 121	4	0.5895E-03	1 220 3	2	0.5053E-03	1 61723	6	0.5011E-03	1 93022	4	0.4422E-03	1 924 6	4
SS	SSE	0.6476E-03	1 328 6	1	0.5638E-03	110 3 4	2	0.5459E-03	1 813 3	1	0.5011E-03	110 2 6	2	0.4305E-03	1 9 919	1
S	S	0.5895E-03	112 422	1	0.5843E-03	1 82022	1	0.5513E-03	1 11023	1	0.5419E-03	112 421	1	0.4467E-03	1 81721	1
SS	SSW	0.4764E-03	1 4 7 5	1	0.4162E-03	11023 4	2	0.3759E-03	11122 4	2	0.3469E-03	1 4 4 4	2	0.3418E-03	1 1 818	1
SW	SW	0.8092E-03	11116 2	1	0.5011E-03	110 3 6	2	0.4748E-03	1 4 4 8	1	0.4522E-03	1 4 4 9	1	0.4162E-03	11116 3	1
WS	WSW	0.2374E-03	1 1 222	2	0.2095E-03	1 4 623	2	0.1921E-03	111 623	1	0.1618E-03	1 1 620	1	0.1538E-03	1 829 3	1
W	W	0.2374E-03	1 5 922	2	0.1602E-03	11212 4	2	0.1238E-03	1 3 8 1	2	0.1208E-03	1 8 512	2	0.1189E-03	1 323 7	1
WN	WNW	0.1945E 03	1 63021	2	0.1513E-03	1 528 4	2	0.1433E-03	1 7 6 6	2	0.1196E-03	110 8 3	1	0.1184E-03	1 224 8	2

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NW        NW     0.4716E-03  110 920  2  0.2653E-03  11022 6  2  0.2417E-03  1 911 6  1  0.1294E-03  1 61619  1  0.1284E-03  1 613 1  2
NNW       NNW    0.4422E-03  11116 5  2  0.4100E-03  11214 1  2  0.2506E-03  1102419  2  0.2221E-03  1 820 2  1  0.2095E-03  1 52821  2
/ATE   0ELEVATED RELEASE
ECTI   0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N         N      0.6370E-04  1111523  2  0.3204E-04  1 421 2  1  0.3185E-04  1 329 4  2  0.3063E-04  11116 8  2  0.2188E-04  1 421 3  3
NNE       NNE    0.6901E-04  110 324  2  0.5915E-04  110 924  2  0.4177E-04  112 2 7  2  0.3943E-04  1 9 824  4  0.3764E-04  1 6 223  2
NE        NE     0.1327E-03  110 323  1  0.1012E-03  110 421  1  0.1005E-03  112 521  1  0.8123E-04  1111022  1  0.7939E-04  112 5 1  1
ENE       ENE    0.1748E-03  1121121  1  0.1512E-03  1121120  1  0.1346E-03  1121122  1  0.1229E-03  1121119  1  0.1109E-03  1121123  1
E         E      0.1104E-03  111 1 2  1  0.1079E-03  1 816 3  1  0.1070E-03  110 4 4  2  0.1012E-03  110 321  1  0.9464E-04  110 320  1
ESE       ESE    0.1144E-03  1 42523  1  0.9055E-04  1 422 7  1  0.8238E-04  1 122 5  1  0.7458E-04  1 1 324  1  0.7301E-04  111 210  1
SE        SE     0.7528E-04  110 121  4  0.6901E-04  1 220 3  2  0.5915E-04  1 61723  6  0.5176E-04  1 924 6  4  0.5105E-04  1 93022  4
SSE       SSE    0.6597E-04  1 328 6  1  0.5743E-04  110 3 4  2  0.5105E-04  110 2 6  2  0.4871E-04  1 11210  2  0.4385E-04  1 9 919  1
S         S      0.6901E-04  112 422  1  0.6032E-04  112 421  1  0.5952E-04  1 82022  1  0.5615E-04  1 11023  1  0.4601E-04  11030 4  2
SSW       SSW    0.4871E-04  11023 4  2  0.4268E-04  1 4 7 5  1  0.3828E-04  11122 4  2  0.3764E-04  1 4 9 4  2  0.3534E-04  1 4 4 4  2
SW        SW     0.9472E-04  11116 2  1  0.5105E-04  110 3 6  2  0.4871E-04  11116 3  1  0.4836E-04  1 4 4 8  1  0.4606E-04  1 4 4 9  1
WSW       WSW    0.2418E-04  1 1 222  2  0.1774E-04  111 623  1  0.1504E-04  1 4 623  2  0.1482E-04  1 413 6  2  0.1149E-04  1 1 620  1
W         W      0.2418E-04  1 5 922  2  0.1150E-04  11212 4  2  0.8890E-05  1 3 8 1  2  0.8503E-05  1 83023  2  0.7522E-05  1 62718  2
WNW       WNW    0.1397E-04  1 63021  2  0.1087E-04  1 528 4  2  0.1029E-04  1 7 6 6  2  0.8503E-05  1 224 8  2  0.7522E-05  1 126 2  2
NW        NW     0.5521E-04  110 920  2  0.2702E-04  11022 6  2  0.1222E-04  1 911 6  1  0.8693E-05  1112022  1  0.8503E-05  1 327 3  2
NNW       NNW    0.5176E-04  11116 5  2  0.4177E-04  11214 1  2  0.2552E-04  1102419  2  0.1838E-04  1 81623  2  0.1691E-04  1 71122  1
YEA    1PPL YEAR 2001 DT 60-10A                8-NOV-04***                                                                          PAGE     46
NDOW   0 WINDOW LENGTH (HOURS) =      2
VAL     THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
JND    0GROUND RELEASE
NTS    0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS     COUNTS        8696        8696        8696        8696        8696        8696        8696        8696        8696        8696
B.      PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
NTS    0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS     COUNTS        8696        8696        8696        8691        8655        8588        8515        8389        8310        8257
B.      PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.9994E+00  0.9953E+00  0.9876E+00  0.9792E+00  0.9647E+00  0.9556E+00  0.9495E+00
NTS    0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS     COUNTS        8119        7996        7895        7739        7560        7332        6741        6282        5731        5111
B.      PROB.   0.9336E+00  0.9195E+00  0.9079E+00  0.8899E+00  0.8694E+00  0.8431E+00  0.7752E+00  0.7224E+00  0.6590E+00  0.5877E+00
NTS    0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS     COUNTS        4571        3631        2970        2478        1919        1468        1039         786         442         192
B.      PROB.   0.5256E+00  0.4175E+00  0.3415E+00  0.2850E+00  0.2207E+00  0.1688E+00  0.1195E+00  0.9039E-01  0.5083E-01  0.2208E-01
NTS    0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS     COUNTS          91          21           5           1           0           0           0
B.      PROB.   0.1046E-01  0.2415E-02  0.5750E-03  0.1150E-03  0.0000E+00  0.0000E+00  0.0000E+00
VATE   0ELEVATED RELEASE
NTS    0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS     COUNTS        8696        8696        8696        8696        8597        8450        8232        8077        8015        7950
B.      PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9886E+00  0.9717E+00  0.9466E+00  0.9288E+00  0.9217E+00  0.9142E+00
NTS    0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS     COUNTS        7896        7807        7459        7005        6083        5420        4883        4133        3752        3357
B.      PROB.   0.9080E+00  0.8978E+00  0.8578E+00  0.8055E+00  0.6995E+00  0.6233E+00  0.5615E+00  0.4753E+00  0.4315E+00  0.3860E+00
NTS    0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS     COUNTS        2570        2062        1750        1417        1100         864         551         310         169          58
B.      PROB.   0.2955E+00  0.2371E+00  0.2012E+00  0.1629E+00  0.1265E+00  0.9936E-01  0.6336E-01  0.3565E-01  0.1943E-01  0.6670E-02
NTS    0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS     COUNTS          20           4           1           0           0           0           0           0           0           0
B.      PROB.   0.2300E-02  0.4600E-03  0.1150E-03  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS    0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS     COUNTS           0           0           0           0           0           0           0
B.      PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
YEA    1PPL YEAR 2001 DT 60-10A                8-NOV-04***                                                                          PAGE     47
NDOW   0 WINDOW LENGTH (HOURS) =      8
UND    0GROUND RELEASE
ECTI   0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N         N      0.1360E-03  1111517  8  0.1001E-03  1111113  2  0.9282E-04  1111116  1  0.9139E-04  1 119 4  1  0.9018E-04  1 9 113  1
NNE       NNE    0.2012E-03  1121314  5  0.1740E-03  1121313  1  0.1653E-03  1 2 5 8  1  0.1538E-03  1121720  3  0.1535E-03  1 2 5 7  1
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NE	NE	0.3663E-03	1111424	1	0.3148E-03	1 42220	3	0.3137E-03	1 42223	1	0.3098E-03	112 720	1	0.3088E-03	1 81518	5
NNE	NNE	0.1030E-02	1121119	1	0.1009E-02	1121118	1	0.9390E-03	1121117	1	0.8938E-03	1121120	1	0.8126E-03	1121116	1
E	E	0.5998E-03	111 1 2	1	0.5143E-03	111 1 3	1	0.4958E-03	111 1 1	1	0.4929E-03	1 8 620	2	0.4678E-03	1 42523	3
ESE	ESE	0.3585E-03	1 92524	1	0.3551E-03	1 122 4	2	0.3215E-03	1 12124	2	0.3173E-03	1 122 3	1	0.3009E-03	1 122 2	1
SE	SE	0.2861E-03	110 117	6	0.2201E-03	111 2 2	1	0.1807E-03	1 113 2	2	0.1735E-03	1122619	3	0.1648E-03	1 41824	2
SSE	SSE	0.2349E-03	110 3 1	5	0.1889E-03	1 63020	4	0.1730E-03	1 42123	2	0.1648E-03	1 9 914	4	0.1619E-03	1 32724	7
S	S	0.2365E-03	112 416	2	0.2361E-03	1 11022	2	0.2215E-03	1 51721	1	0.1986E-03	112 418	4	0.1931E-03	1 51722	1
SSW	SSW	0.1617E-03	1 4 623	5	0.1513E-03	1 8 217	2	0.1482E-03	1 1 812	4	0.1433E-03	1 52821	3	0.1410E-03	1 8 219	1
SW	SW	0.2828E-03	1111522	5	0.2023E-03	1111520	2	0.1846E-03	11116 3	1	0.1724E-03	1 4 4 3	6	0.1311E-03	110 3 7	1
WSW	WSW	0.7943E-04	1 1 223	1	0.7022E-04	1 41624	1	0.6965E-04	1 1 222	1	0.6402E-04	1 417 1	3	0.5935E-04	1 1 216	6
W	W	0.5935E-04	1 5 916	8	0.5769E-04	110 613	1	0.5392E-04	110 614	1	0.5311E-04	110 617	1	0.5285E-04	1 32713	1
WNW	WNW	0.5760E-04	1 32423	1	0.4864E-04	1 63015	8	0.4842E-04	1 32424	1	0.4651E-04	1 32419	4	0.4180E-04	1 31824	5
NW	NW	0.1179E-03	110 914	8	0.7280E-04	110 719	1	0.6664E-04	1 3 312	1	0.6633E-04	1102124	8	0.6617E-04	1 53017	1
NNW	NNW	0.1426E-03	1121319	4	0.1105E-03	1111523	8	0.1042E-03	1 71116	3	0.1025E-03	1121323	4	0.9404E-04	1 71119	1

ATED 0ELEVATED RELEASE

CTIO	0DIRECTION	SUM(X/Q)/N	MAX1 DATE	CT	SUM(X/Q)/N	MAX2 DATE	CT	SUM(X/Q)/N	MAX3 DATE	CT	SUM(X/Q)/N	MAX4 DATE	CT	SUM(X/Q)/N	MAX5 DATE	CT
N	N	0.1593E-04	1111517	8	0.8010E-05	1 42020	7	0.7963E-05	1 32822	8	0.7657E-05	11116 2	8	0.7453E-05	11214 6	3
NNE	NNE	0.1725E-04	110 318	8	0.1479E-04	110 918	8	0.1448E-04	1121720	3	0.1445E-04	1121314	5	0.1335E-04	1121719	1
NE	NE	0.4030E-04	1111424	1	0.3672E-04	1 42223	1	0.3599E-04	1 42220	3	0.3514E-04	1 81518	5	0.3498E-04	112 720	1
ENE	ENE	0.1182E-03	1121119	1	0.1161E-03	1121118	1	0.1089E-03	1121117	1	0.1022E-03	1121120	1	0.9411E-04	1121116	1
E	E	0.7021E-04	111 1 2	1	0.5874E-04	111 1 3	1	0.5803E-04	111 1 1	1	0.5423E-04	1 42523	3	0.5089E-04	1103122	3
ESE	ESE	0.3671E-04	1 122 4	2	0.3400E-04	1 122 3	1	0.3217E-04	1 12124	2	0.3113E-04	1 122 2	1	0.3109E-04	11030 1	1
SE	SE	0.3158E-04	110 117	6	0.2487E-04	111 2 2	1	0.1882E-04	110 115	9	0.1841E-04	1 113 2	2	0.1725E-04	1 21921	8
SSE	SSE	0.2393E-04	110 3 1	5	0.1762E-04	1 42123	2	0.1649E-04	1 32724	7	0.1479E-04	1 9 914	4	0.1445E-04	112 1 2	6
S	S	0.2519E-04	112 416	2	0.2404E-04	1 11022	2	0.2247E-04	112 418	4	0.2107E-04	1102922	1	0.2035E-04	112 1 1	4
SSW	SSW	0.1412E-04	1 8 217	2	0.1373E-04	1 4 623	5	0.1365E-04	1 8 219	1	0.1255E-04	1 52821	3	0.1218E-04	1102222	8
SW	SW	0.3188E-04	1111522	5	0.2368E-04	1111520	2	0.2038E-04	11116 3	1	0.1756E-04	1 4 4 3	6	0.1283E-04	110 3 7	1
WSW	WSW	0.6911E-05	1 1 223	1	0.6503E-05	1 1 222	1	0.6045E-05	1 1 216	6	0.4434E-05	111 617	7	0.4103E-05	1 413 5	3
W	W	0.6045E-05	1 5 916	8	0.2876E-05	1121122	8	0.2671E-05	110 617	1	0.2642E-05	110 613	1	0.2551E-05	110 614	1
WNW	WNW	0.3492E-05	1 63015	8	0.2716E-05	1 52722	8	0.2687E-05	1 7 6 2	6	0.2663E-05	1 32423	1	0.2650E-05	1 31824	5
NW	NW	0.1380E-04	110 914	8	0.6756E-05	1102124	8	0.3979E-05	1 53017	1	0.3919E-05	110 719	1	0.3724E-05	1112016	2
NNW	NNW	0.1332E-04	1121319	4	0.1294E-04	1111523	8	0.1044E-04	1121323	4	0.7390E-05	1 71116	3	0.6950E-05	1 71119	1

YEAF 1PPL YEAR 2001 DT 60-10A 8-NOV-04*** PAGE 48

DOW 0 WINDOW LENGTH (HOURS) = 8

VALU THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL

ND F 0GROUND RELEASE

TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8696	8696	8696	8696	8696	8696	8696	8696	8696	8696
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	8696	8696	8696	8696	8694	8690	8684	8672	8662	8653
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9998E+00	0.9993E+00	0.9986E+00	0.9972E+00	0.9961E+00	0.9951E+00
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	8553	8367	8099	7765	7319	6926	5986	5263	4643	3891
.	PROB.	0.9836E+00	0.9622E+00	0.9313E+00	0.8929E+00	0.8417E+00	0.7965E+00	0.6884E+00	0.6052E+00	0.5339E+00	0.4474E+00
TS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
TS	COUNTS	3327	2495	1731	1360	931	585	372	232	75	26
.	PROB.	0.3826E+00	0.2869E+00	0.1991E+00	0.1564E+00	0.1071E+00	0.6727E-01	0.4278E-01	0.2668E-01	0.8625E-02	0.2990E-02
TS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
TS	COUNTS	9	4	2	0	0	0	0			
.	PROB.	0.1035E-02	0.4600E-03	0.2300E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

/ATEI 0ELEVATED RELEASE

TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8696	8696	8696	8696	8689	8676	8663	8657	8645	8610
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9992E+00	0.9977E+00	0.9962E+00	0.9955E+00	0.9941E+00	0.9901E+00
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	8503	8280	7656	7016	5953	5110	4547	3694	3192	2794
.	PROB.	0.9778E+00	0.9522E+00	0.8804E+00	0.8068E+00	0.6846E+00	0.5876E+00	0.5229E+00	0.4248E+00	0.3671E+00	0.3213E+00
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	1909	1397	997	705	488	339	157	55	25	7
.	PROB.	0.2195E+00	0.1606E+00	0.1147E+00	0.8107E-01	0.5612E-01	0.3898E-01	0.1805E-01	0.6325E-02	0.2875E-02	0.8050E-03

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NTS     0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS      COUNTS          4           0           0           0           0           0           0           0           0           0
B.       PROB.   0.4600E-03  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS     0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS      COUNTS          0           0           0           0           0           0           0
B.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
YEA     1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                                                    PAGE      49
NDOW    0 WINDOW LENGTH (HOURS) =     16
UND     0GROUND RELEASE
ECTI    0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N          N     0.6178E-04  1111518  7  0.4473E-04  1 9 1 5  1  0.3964E-04  11115 9  9  0.3900E-04  1 9 1 6  2  0.3821E-04  1 11822  7
 NNE        NNE   0.8820E-04  1121313  6  0.7900E-04  1 2 5 4  4  0.7314E-04  1 2 5 8  1  0.6700E-04  1121319  1  0.6288E-04  1 2 5 9  1
 NE         NE    0.1227E-03  112 720  1  0.1182E-03  112 717  3  0.1148E-03  110 316  8  0.1116E-03  112 721  1  0.1080E-03  1 42215  8
 ENE        ENE   0.3357E-03  1121117  2  0.3274E-03  1121116  1  0.3239E-03  1121111  3  0.3221E-03  1121114  1  0.3201E-03  1121115  1
 E          E     0.2065E-03  110 115  5  0.1849E-03  1103119  8  0.1841E-03  110 120  1  0.1828E-03  110 114  1  0.1748E-03  1103118  1
 ESE        ESE   0.1392E-03  1 92517  3  0.1266E-03  1 92516  1  0.1239E-03  1 12120  6  0.1229E-03  1 92520  5  0.1173E-03  1 122 2  1
 SE         SE    0.9700E-04  110 1 9  1  0.8375E-04  110 110 13  0.6956E-04  1122618  4  0.6433E-04  111 118  9  0.6412E-04  1 31511  1
 SSE        SSE   0.6920E-04  110 217 13  0.6765E-04  1 63022  2  0.5887E-04  11217 2  2  0.5882E-04  1 63012 10  0.5522E-04  1 12318  2
 S          S     0.9058E-04  112 416  2  0.8069E-04  1 11014  6  0.7880E-04  112 418  4  0.7757E-04  1 51720  2  0.7625E-04  1 51713  3
 SSW        SSW   0.7039E-04  1 1 8 4  5  0.5792E-04  1 1 8 3  1  0.5462E-04  1 4 615  3  0.5166E-04  1 4 814  4  0.5055E-04  110 514  3
 SW         SW    0.9098E-04  1111514  1  0.8905E-04  1111515  1  0.8667E-04  1111516  1  0.8545E-04  1111520  7  0.8267E-04  1111517  3
 WSW        WSW   0.2616E-04  1 1 216  8  0.2613E-04  1101711  1  0.2514E-04  1101712  1  0.2485E-04  1 1 6-6  5  0.2449E-04  1 41616  3
 W          W     0.2583E-04  1 327 5  3  0.2290E-04  1 327 4  1  0.2037E-04  1 327 3  1  0.1959E-04  1 327 8  2  0.1882E-04  110 6 9  5
 WNW        WNW   0.1803E-04  110 713  1  0.1767E-04  1 63021  2  0.1765E-04  1 32415  8  0.1639E-04  1 52714  4  0.1637E-04  110 714  2
 NW         NW    0.3435E-04  110 9 6 16  0.2807E-04  11120 8  1  0.2622E-04  1 530 9  1  0.2615E-04  1 91016  1  0.2565E-04  11120 9  1
 NNW        NNW   0.4267E-04  1121311 12  0.3221E-04  1111515 16  0.3020E-04  1121323  4  0.2968E-04  1 711 8  4  0.2953E-04  1122122  1
VATE    0ELEVATED RELEASE
ECTI    0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N          N     0.2409E-05  1111518  7  0.1784E-05  1 9 1 5  1  0.1646E-05  1 11822  7  0.1533E-05  1 9 1 6  2  0.1485E-05  1 11821  1
 NNE        NNE   0.3888E-05  1121313  6  0.3007E-05  1 2 5 4  4  0.2960E-05  1121319  1  0.2787E-05  1 2 5 8  1  0.2745E-05  11213 6  7
 NE         NE    0.4868E-05  112 720  1  0.4734E-05  1121323  3  0.4702E-05  112 717  3  0.4544E-05  1121319  4  0.4372E-05  112 721  1
 ENE        ENE   0.1274E-04  1121117  2  0.1237E-04  1121116  1  0.1219E-04  1121111  3  0.1212E-04  1121114  1  0.1204E-04  1121115  1
 E          E     0.8607E-05  110 115  5  0.7805E-05  110 120  1  0.7545E-05  110 114  1  0.7037E-05  110 121  1  0.6695E-05  1103119  8
 ESE        ESE   0.5957E-05  1 92517  3  0.5485E-05  1 92516  1  0.5243E-05  1 92520  5  0.5186E-05  1 12120  6  0.4940E-05  1 122 2  1
 SE         SE    0.3909E-05  110 1 9  1  0.3328E-05  110 110 13  0.3081E-05  1122618  4  0.2782E-05  1 31511  1  0.2781E-05  1 4 820  7
 SSE        SSE   0.3097E-05  110 217 13  0.2964E-05  1 63022  2  0.2577E-05  1 63012 10  0.2515E-05  11217 2  2  0.2448E-05  1 12318  2
 S          S     0.3657E-05  112 416  2  0.3601E-05  1 11014  6  0.3294E-05  1 51713  3  0.3288E-05  1 51720  2  0.3225E-05  1 51718  2
 SSW        SSW   0.2977E-05  1 1 8 4  5  0.2431E-05  1 1 8 3  1  0.2377E-05  1 4 615  3  0.2207E-05  110 514  3  0.2173E-05  1 4 618 10
 SW         SW    0.3482E-05  1111514  1  0.3410E-05  1111515  1  0.3321E-05  1111516  1  0.3275E-05  1111520  7  0.3171E-05  1111517  3
 WSW        WSW   0.1107E-05  1 1 216  8  0.1084E-05  1101711  1  0.1073E-05  1 1 6 6  5  0.1047E-05  1101712  1  0.1009E-05  1101713  1
 W          W     0.9240E-06  1 327 5  3  0.8144E-06  1 327 4  1  0.7825E-06  1 5 9 8 16  0.7200E-06  1 327 3  1  0.6677E-06  110 6 9  5
 WNW        WNW   0.7739E-06  1 63021  2  0.7178E-06  1 52714  4  0.7043E-06  110 713  1  0.6633E-06  1 630 7 14  0.6600E-06  1 32415  8
 NW         NW    0.1229E-05  110 9 6 16  0.1131E-05  11120 8  1  0.1063E-05  1 530 9  1  0.1041E-05  11120 9  1  0.9926E-06  11120 7  1
 NNW        NNW   0.1898E-05  1121311 12  0.1352E-05  1121323  4  0.1269E-05  1 711 8  4  0.1158E-05  1122122  1  0.1152E-05  1111515 16
 YEA     1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                                                    PAGE      50
NDOW    0 WINDOW LENGTH (HOURS) =     16
 VAL     THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
UND     0GROUND RELEASE
NTS     0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS      COUNTS        8696        8696        8696        8696        8696        8696        8696        8696        8696        8696
B.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
NTS     0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS      COUNTS        8696        8696        8696        8696        8696        8696        8694        8691        8670        8610
B.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9998E+00  0.9994E+00  0.9970E+00  0.9901E+00
NTS     0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS      COUNTS        8162        7492        6726        6087        5407        4798        3650        2880        2418        1778
B.       PROB.   0.9386E+00  0.8615E+00  0.7735E+00  0.7000E+00  0.6218E+00  0.5517E+00  0.4197E+00  0.3312E+00  0.2781E+00  0.2045E+00
NTS     0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS      COUNTS        1219         627         252         135          35          18           0           0           0           0
B.       PROB.   0.1402E+00  0.7210E-01  0.2898E-01  0.1552E-01  0.4025E-02  0.2070E-02  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS     0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
```

```
NTS      COUNTS            0            0            0            0            0            0            0
B.       PROB.    0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00
VATE     0ELEVATED RELEASE
NTS      0QUANTS  0.1000E-09   0.3500E-08   0.1000E-07   0.2500E-07   0.7000E-07   0.1000E-06   0.1500E-06   0.2200E-06   0.3200E-06   0.4800E-06
NTS      COUNTS         8696         8696         8696         8696         8696         8696         8696         8693         8672         8411
B.       PROB.    0.1000E+01   0.1000E+01   0.1000E+01   0.1000E+01   0.1000E+01   0.1000E+01   0.1000E+01   0.9997E+00   0.9972E+00   0.9672E+00
NTS      0QUANTS  0.7000E-06   0.1000E-05   0.1500E-05   0.2000E-05   0.3000E-05   0.4000E-05   0.5000E-05   0.7000E-05   0.8500E-05   0.1000E-04
NTS      COUNTS         7832         6790         5299         3924         2357         1349          714          188           89           30
B.       PROB.    0.9006E+00   0.7808E+00   0.6094E+00   0.4512E+00   0.2710E+00   0.1551E+00   0.8211E-01   0.2162E-01   0.1023E-01   0.3450E-02
NTS      0QUANTS  0.1500E-04   0.2000E-04   0.2500E-04   0.3000E-04   0.3500E-04   0.4000E-04   0.5000E-04   0.6000E-04   0.7000E-04   0.8500E-04
NTS      COUNTS            0            0            0            0            0            0            0            0            0            0
B.       PROB.    0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00
NTS      0QUANTS  0.1000E-03   0.1300E-03   0.1700E-03   0.2000E-03   0.2500E-03   0.3000E-03   0.3500E-03   0.4000E-03   0.5000E-03   0.6000E-03
NTS      COUNTS            0            0            0            0            0            0            0            0            0            0
B.       PROB.    0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00
NTS      0QUANTS  0.7000E-03   0.8500E-03   0.1000E-02   0.1400E-02   0.2000E-02   0.3000E-02   0.4000E-02
NTS      COUNTS            0            0            0            0            0            0            0
B.       PROB.    0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00   0.0000E+00
 YEA     1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                                    PAGE     51
NDOW     0 WINDOW LENGTH (HOURS) =     72
UND      0GROUND RELEASE
ECTI     0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N            N     0.1512E-04  1111320 53  0.1477E-04  1111319  1  0.1454E-04  1 83020 14  0.1436E-04  1111318  1  0.1373E-04  1111310  8
 NNE        NNE     0.3157E-04  1121316  3  0.3082E-04  1121315  1  0.3004E-04  11213 3 12  0.2836E-04  11213 2  1  0.2701E-04  11213 1  1
 NE         NE      0.5177E-04  1111422  3  0.4999E-04  112 521  1  0.4928E-04  112 519  2  0.4842E-04  112 518  1  0.4740E-04  112 515  3
 ENE        ENE     0.1491E-03  112 310 11  0.1466E-03  11018 9 11  0.1438E-03  11018 8  1  0.1431E-03  112 321  1  0.1424E-03  112 3 8  2
 E            E     0.1017E-03  110 110 10  0.9873E-04  110 1 6  4  0.9670E-04  110 120  1  0.9193E-04  110 121  1  0.9110E-04  110 1 5  1
 ESE        ESE     0.4888E-04  1 92422 22  0.4801E-04  1 924 7  7  0.4705E-04  1 92414  8  0.4526E-04  1 92520  5  0.4309E-04  1 924 2  5
 SE         SE      0.2976E-04  1 929 1 47  0.2584E-04  11113 2  3  0.2525E-04  1122611 11  0.2404E-04  1 11221  7  0.2403E-04  1111119  4
 SSE        SSE     0.3011E-04  1 930 9 16  0.2654E-04  1 122 1  3  0.2540E-04  110 1 1 31  0.2497E-04  1 12124  1  0.2396E-04  1 930 6  3
 S            S     0.3537E-04  1 51524 26  0.3356E-04  1 517 2  1  0.3334E-04  1 51523  1  0.3151E-04  1 517 3  4  0.3142E-04  1 51521  2
 SSW        SSW     0.2570E-04  1 4 613  5  0.2477E-04  1 4 6 6  7  0.2459E-04  1 8 117  1  0.2449E-04  1 4 618 10  0.2385E-04  1 8 118  1
 SW         SW      0.2461E-04  1111312  3  0.2437E-04  1111315  1  0.2399E-04  11113 6  6  0.2380E-04  1111316  1  0.2376E-04  1 92424  1
 WSW        WSW     0.1087E-04  1 414 8  5  0.1080E-04  1 41413  4  0.1063E-04  1 41417 22  0.1011E-04  1 41515  1  0.9726E-05  11015 3  2
 W            W     0.9656E-05  1 32421  1  0.9366E-05  1 32422  7  0.9301E-05  1 32420  1  0.9025E-05  1 32419  1  0.8839E-05  1 32418  1
 WNW        WNW     0.6313E-05  110 5 5 32  0.5999E-05  110 613 11  0.5266E-05  110 5 4  1  0.5239E-05  110 624 10  0.5158E-05  1 322 7 24
 NW         NW      0.1333E-04  110 622  1  0.1269E-04  110 623 13  0.1232E-04  110 712  8  0.1150E-04  110 720  1  0.1088E-04  1 52817 20
 NNW        NNW     0.1378E-04  1121219 28  0.1329E-04  1121218  1  0.1282E-04  1121217  1  0.1247E-04  111 420  1  0.1246E-04  1121216  1
VATE     0ELEVATED RELEASE
ECTI     0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N            N     0.5914E-06  1111320 53  0.5794E-06  1 83020 14  0.5783E-06  1111319  1  0.5630E-06  1111318  1  0.5562E-06  111 614  2
 NNE        NNE     0.1379E-05  1121316  3  0.1350E-05  1121315  1  0.1321E-05  11213 3 12  0.1248E-05  11213 2  1  0.1189E-05  11213 1  1
 NE         NE      0.2026E-05  1111422  3  0.1913E-05  112 521  1  0.1887E-05  112 519  2  0.1882E-05  112 710 11  0.1855E-05  1111411 11
 ENE        ENE     0.5586E-05  112 310 11  0.5583E-05  11018 9 11  0.5456E-05  11018 8  1  0.5377E-05  1101820  1  0.5371E-05  112 321  1
 E            E     0.4099E-05  110 110 10  0.3970E-05  110 1 6  4  0.3921E-05  110 120  1  0.3750E-05  110 121  1  0.3697E-05  110 1 5  1
 ESE        ESE     0.2109E-05  1 92422 22  0.2087E-05  1 924 7  7  0.2045E-05  1 92414  8  0.1951E-05  1 92520  5  0.1866E-05  1 924 2  5
 SE         SE      0.1236E-05  1 929 1 47  0.1117E-05  1122611 11  0.1056E-05  11225 8 13  0.1051E-05  11113 2  3  0.1037E-05  1 11221  7
 SSE        SSE     0.1330E-05  1 930 9 16  0.1176E-05  1 122 1  3  0.1124E-05  110 1 1 31  0.1107E-05  1 12124  1  0.1055E-05  1 930 6  3
 S            S     0.1433E-05  1 51524 26  0.1358E-05  1 51523  1  0.1354E-05  1 517 2  1  0.1291E-05  112 218 10  0.1286E-05  1 51521  2
 SSW        SSW     0.1069E-05  1 4 613  5  0.1045E-05  1 8 117  1  0.1034E-05  1 4 6 6  7  0.1023E-05  1 4 618 10  0.1017E-05  1 8 118  1
 SW         SW      0.9497E-06  1 11421  3  0.9450E-06  1 11417  1  0.9310E-06  1 92424  1  0.9252E-06  1 11416  1  0.9237E-06  1 925 6  3
 WSW        WSW     0.3909E-06  1 414 8  5  0.3897E-06  1 41413  4  0.3884E-06  1 41417 22  0.3808E-06  1 1 120 28  0.3791E-06  11015 3  2
 W            W     0.3508E-06  1 32421  1  0.3464E-06  1 32221 11  0.3399E-06  1 32422  7  0.3375E-06  1 32420  1  0.3272E-06  1 32419  1
 WNW        WNW     0.2428E-06  110 5 5 32  0.2310E-06  110 613 11  0.2026E-06  110 624 10  0.1975E-06  1 125 1  3  0.1969E-06  110 5 4  1
 NW         NW      0.5104E-06  110 622  1  0.4822E-06  110 623 13  0.4685E-06  110 712  8  0.4323E-06  110 720  1  0.4182E-06  1 52817 20
 NNW        NNW     0.5825E-06  1121219 28  0.5641E-06  1121218  1  0.5466E-06  1121217  1  0.5332E-06  1121216  1  0.5173E-06  1121214  2
 YEP     1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                                    PAGE     52
NDOV     0 WINDOW LENGTH (HOURS) =     72
 VAI      THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
UND      0GROUND RELEASE
NTS      0QUANTS  0.1000E-09   0.3500E-08   0.1000E-07   0.2500E-07   0.7000E-07   0.1000E-06   0.1500E-06   0.2200E-06   0.3200E-06   0.4800E-06
```

NTS	COUNTS	8696	8696	8696	8696	8696	8696	8696	8696	8696	8696
B.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
NTS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E 04
NTS	COUNTS	8696	8696	8696	8696	8696	8696	8696	8686	8633	8573
B.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9989E+00	0.9928E+00	0.9859E+00
NTS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
NTS	COUNTS	8114	7262	6374	5494	4872	4131	2825	1917	1284	799
B.	PROB.	0.9331E+00	0.8351E+00	0.7330E+00	0.6318E+00	0.5603E+00	0.4750E+00	0.3249E+00	0.2204E+00	0.1477E+00	0.9188E-01
NTS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
NTS	COUNTS	463	62	0	0	0	0	0	0	0	0
B.	PROB.	0.5324E-01	0.7130E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
NTS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
NTS	COUNTS	0	0	0	0	0	0	0			
B.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			
VATE	0ELEVATED RELEASE										
NTS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
NTS	COUNTS	8696	8696	8696	8696	8696	8696	8696	8696	8661	8434
B.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9960E+00	0.9699E+00
NTS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
NTS	COUNTS	7878	6578	4668	3003	1057	402	52	0	0	0
B.	PROB.	0.9059E+00	0.7564E+00	0.5368E+00	0.3453E+00	0.1216E+00	0.4623E-01	0.5980E-02	0.0000E+00	0.0000E+00	0.0000E+00
NTS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
NTS	COUNTS	0	0	0	0	0	0	0	0	0	0
B.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
NTS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
NTS	COUNTS	0	0	0	0	0	0	0	0	0	0
B.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
NTS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
NTS	COUNTS	0	0	0	0	0	0	0			
B.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

YEA 1PPL YEAR 2001 DT 60-10A 8-NOV-04*** PAGE 53

NDOW 0 WINDOW LENGTH (HOURS) = 624

UND 0GROUND RELEASE

ECTI	0DIRECTION	SUM(X/Q)/N	MAX1	DATE	CT	SUM(X/Q)/N	MAX2	DATE	CT	SUM(X/Q)/N	MAX3	DATE	CT	SUM(X/Q)/N	MAX4	DATE	CT	SUM(X/Q)/N	MAX5	DATE	CT
N	N	0.5832E-05	1101912	107		0.5791E-05	1101911		1	0.5744E-05	1101910		1	0.5672E-05	11019 2		8	0.5644E-05	1102323		5
NNE	NNE	0.8832E-05	11126 7		12	0.8703E-05	1112619		1	0.8673E-05	1112720		26	0.8602E-05	11122 4		99	0.8543E-05	1112822		2
NE	NE	0.2351E-04	1111410		15	0.2336E-04	11114 9		1	0.2320E-04	11115 4		1	0.2316E-04	11114 8		1	0.2296E-04	11114 5		3
ENE	ENE	0.7173E-04	111 8 2		2	0.7153E-04	111 724		2	0.7129E-04	1111213		9	0.7124E-04	111 8 4		1	0.7111E-04	1111211		2
E	E	0.3556E-04	1 91710		1	0.3556E-04	1 91621		2	0.3552E-04	1 91711		9	0.3541E-04	1 917 8		2	0.3520E-04	1 91623		1
ESE	ESE	0.1625E-04	1 1 1 4		29	0.1596E-04	1 1 2 9		24	0.1591E-04	1 9 710		15	0.1584E-04	1 1 1 2		2	0.1577E-04	1 1 3 9		2
SE	SE	0.1292E-04	11029 3		22	0.1268E-04	1102813		14	0.1266E-04	11030 1		7	0.1242E-04	1102714		23	0.1237E-04	1102713		1
SSE	SSE	0.1194E-04	1112118		3	0.1164E-04	1112117		1	0.1157E-04	1112121		10	0.1139E-04	1112113		4	0.1136E-04	1112324		2
S	S	0.1451E-04	1 1 4 1		2	0.1444E-04	1 1 510		1	0.1430E-04	1 1 324		1	0.1425E-04	1 1 511		5	0.1416E-04	1 1 4 3		27
SSW	SSW	0.1007E-04	1122322		3	0.9975E-05	11224 1		2	0.9835E-05	1122318		4	0.9728E-05	11224 3		1	0.9722E-05	1122312		4
SW	SW	0.9556E-05	1122221		27	0.9440E-05	1122324		6	0.9420E-05	1122219		2	0.9393E-05	1122217		1	0.9367E-05	1122218		1
WSW	WSW	0.4074E-05	1 325 5		5	0.4073E-05	1121715		30	0.4003E-05	1 32410		4	0.3993E-05	1121821		1	0.3983E-05	1121619		20
W	W	0.3186E-05	1 3 5 4		71	0.3016E-05	1 3 121		79	0.2979E-05	1 3 119		1	0.2941E-05	1 3 120		1	0.2939E-05	1 3 8 3		36
WNW	WNW	0.2224E-05	1 227 7		12	0.2170E-05	1 221 8		60	0.2150E-05	1 22719		3	0.2124E-05	1 22320		1	0.2094E-05	1 22722		19
NW	NW	0.3975E-05	1 2 813		27	0.3843E-05	1 2 8 5		8	0.3775E-05	1 2 916		25	0.3763E-05	1 2 8 4		1	0.3739E-05	1 21017		1
NNW	NNW	0.4233E-05	112 722		27	0.4146E-05	112 721		1	0.4122E-05	112 9 1		11	0.4067E-05	112 718		1	0.4058E-05	112 720		1

VATE 0ELEVATED RELEASE

ECTI	0DIRECTION	SUM(X/Q)/N	MAX1	DATE	CT	SUM(X/Q)/N	MAX2	DATE	CT	SUM(X/Q)/N	MAX3	DATE	CT	SUM(X/Q)/N	MAX4	DATE	CT	SUM(X/Q)/N	MAX5	DATE	CT
N	N	0.2324E-06	1101912	107		0.2309E-06	1101911		1	0.2291E-06	1101910		1	0.2260E-06	11019 2		8	0.2242E-06	1102323		5
NNE	NNE	0.3825E-06	11126 7		12	0.3768E-06	1112619		1	0.3745E-06	1112720		26	0.3721E-06	11122 4		99	0.3691E-06	1112620		24
NE	NE	0.9521E-06	1111410		15	0.9455E-06	11114 9		1	0.9446E-06	11115 4		1	0.9370E-06	11114 8		1	0.9282E-06	11114 5		3
ENE	ENE	0.2790E-05	111 8 2		2	0.2783E-05	111 724		2	0.2773E-05	111 8 4		1	0.2770E-05	1111213		9	0.2764E-05	1111211		2
E	E	0.1432E-05	1 91621		2	0.1426E-05	1 91710		1	0.1426E-05	1 91711		9	0.1421E-05	1 917 8		2	0.1416E-05	1 91623		1
ESE	ESE	0.6945E-06	1 1 1 4		29	0.6884E-06	1 9 710		15	0.6820E-06	1 1 2 9		24	0.6764E-06	1 1 1 2		2	0.6748E-06	1 1 3 9		2
SE	SE	0.5330E-06	11029 3		22	0.5227E-06	1102813		14	0.5217E-06	11030 1		7	0.5128E-06	111 6 6		21	0.5113E-06	1102714		23
SSE	SSE	0.5030E-06	1112118		3	0.4898E-06	1112117		1	0.4865E-06	1112121		10	0.4799E-06	1112324		2	0.4790E-06	1112113		4
S	S	0.6113E-06	1 1 4 1		2	0.6080E-06	1 1 510		1	0.6022E-06	1 1 324		1	0.5997E-06	1 1 511		5	0.5954E-06	1 1 4 3		27

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SSW        SSW    0.4229E-06  1122322  3  0.4188E-06  11224 1  2  0.4142E-06  1122318  4  0.4100E-06  1122312  4  0.4097E-06  1122317  1
SW         SW     0.3781E-06  1122221 27  0.3731E-06  1122324  6  0.3731E-06  1122219  2  0.3721E-06  1122217  1  0.3711E-06  1122218  1
WSW        WSW    0.1582E-06  1121715 30  0.1552E-06  1121821  1  0.1549E-06  1121619 20  0.1533E-06  11215 6 23  0.1525E-06  1121419  5
W          W      0.1225E-06  1 3 5 4 71  0.1150E-06  1 3 121 79  0.1137E-06  1 3 119  1  0.1122E-06  1 3 120  1  0.1118E-06  1 3 118  1
WNW        WNW    0.8563E-07  1 227 7 12  0.8511E-07  1 221 8 60  0.8340E-07  1 22320  1  0.8287E-07  1 22719  3  0.8133E-07  1 22321 13
NW         NW     0.1525E-06  1 2 813 27  0.1467E-06  1 2 8 5  8  0.1450E-06  1 2 916 25  0.1438E-06  1 2 8 4  1  0.1437E-06  1 21017  1
NNW        NNW    0.1702E-06  112 722 27  0.1664E-06  112 721  1  0.1661E-06  112 9 1 11  0.1634E-06  112 718  1  0.1627E-06  112 912  2
YEA      1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                                                    PAGE     54
NDOW     0 WINDOW LENGTH (HOURS) =   624
VAI       THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
UND      0GROUND RELEASE
NTS      0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS       COUNTS        8696        8696        8696        8696        8696        8696        8696        8696        8696        8696
B.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
NTS      0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS       COUNTS        8696        8696        8696        8696        8696        8696        8696        8696        8696        8696
B.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
NTS      0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS       COUNTS        8677        7937        7082        6343        5709        5021        2705         412          30           0
B.        PROB.   0.9978E+00  0.9127E+00  0.8144E+00  0.7294E+00  0.6565E+00  0.5774E+00  0.3111E+00  0.4738E-01  0.3450E-02  0.0000E+00
NTS      0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS       COUNTS           0           0           0           0           0           0           0           0           0           0
B.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS      0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS       COUNTS           0           0           0           0           0           0           0
B.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
VATE     0ELEVATED RELEASE
NTS      0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS       COUNTS        8696        8696        8696        8696        8696        8696        8696        8696        8696        8696
B.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
NTS      0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS       COUNTS        8543        7217        5465        2969           0           0           0           0           0           0
B.        PROB.   0.9824E+00  0.8299E+00  0.6284E+00  0.3414E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS      0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS       COUNTS           0           0           0           0           0           0           0           0           0           0
B.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS      0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS       COUNTS           0           0           0           0           0           0           0           0           0           0
B.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
NTS      0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS       COUNTS           0           0           0           0           0           0           0
B.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
TURN       RETURN FROM PASS7
YEA      1PPL YEAR 2001 DT 60-10A          8-NOV-04***                                                                    PAGE     55
UND      0GROUND RELEASE
         0                                  PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABII     PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
1            1

NTIZ      QUANTIZED
VEL        LEVEL          N      NNE     NE     ENE      E     ESE     SE     SSE      S     SSW     SW     WSW      W     WNW     NW     NNW    TOTS
00E+    0.00E+00 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.000016.0000
10E-    0.10E-09 0.0515 0.0592 0.0751 0.1698 0.0853 0.0466 0.0507 0.0465 0.0659 0.0674 0.1049 0.0567 0.0252 0.0166 0.0369 0.0417 1.0000
35E-    0.35E-08 0.0515 0.0592 0.0751 0.1698 0.0853 0.0466 0.0507 0.0465 0.0659 0.0674 0.1049 0.0567 0.0252 0.0166 0.0369 0.0417 1.0000
10E-    0.10E-07 0.0515 0.0592 0.0751 0.1698 0.0853 0.0466 0.0507 0.0465 0.0659 0.0674 0.1049 0.0567 0.0252 0.0166 0.0369 0.0417 1.0000
25E-    0.25E-07 0.0515 0.0592 0.0751 0.1698 0.0853 0.0466 0.0507 0.0465 0.0659 0.0674 0.1049 0.0567 0.0252 0.0166 0.0369 0.0417 1.0000
70E-    0.70E-07 0.0515 0.0592 0.0751 0.1698 0.0853 0.0466 0.0507 0.0465 0.0659 0.0674 0.1049 0.0567 0.0252 0.0166 0.0369 0.0417 1.0000
10E-    0.10E-06 0.0515 0.0592 0.0751 0.1698 0.0853 0.0466 0.0507 0.0465 0.0659 0.0674 0.1049 0.0567 0.0252 0.0166 0.0369 0.0417 1.0000
15E-    0.15E-06 0.0515 0.0592 0.0751 0.1698 0.0853 0.0466 0.0507 0.0465 0.0659 0.0674 0.1049 0.0567 0.0252 0.0166 0.0369 0.0417 1.0000
22E-    0.22E-06 0.0515 0.0592 0.0751 0.1698 0.0853 0.0466 0.0507 0.0465 0.0659 0.0674 0.1049 0.0567 0.0252 0.0166 0.0369 0.0417 1.0000
32E-    0.32E-06 0.0515 0.0592 0.0751 0.1698 0.0853 0.0466 0.0507 0.0465 0.0659 0.0674 0.1049 0.0567 0.0252 0.0166 0.0369 0.0417 1.0000
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18E-1	0.48E-06	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0567	0.0252	0.0166	0.0369	0.0417	1.0000
70E-1	0.70E-06	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0567	0.0252	0.0166	0.0369	0.0417	1.0000
.0E-1	0.10E-05	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0567	0.0252	0.0166	0.0369	0.0417	1.0000
.5E-1	0.15E-05	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0567	0.0252	0.0166	0.0369	0.0417	1.0000
20E-1	0.20E-05	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0567	0.0252	0.0166	0.0369	0.0417	1.0000
10E-1	0.30E-05	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1048	0.0566	0.0252	0.0166	0.0369	0.0417	0.9998
10E-1	0.40E-05	0.0512	0.0591	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1032	0.0543	0.0251	0.0166	0.0369	0.0417	0.9953
50E-1	0.50E-05	0.0508	0.0584	0.0751	0.1698	0.0853	0.0466	0.0506	0.0465	0.0653	0.0668	0.0987	0.0524	0.0247	0.0166	0.0369	0.0416	0.9862
70E-	0.70E-05	0.0507	0.0572	0.0739	0.1697	0.0853	0.0465	0.0499	0.0457	0.0631	0.0646	0.0910	0.0501	0.0239	0.0162	0.0369	0.0414	0.9662
35E-	0.85E-05	0.0507	0.0567	0.0730	0.1694	0.0851	0.0465	0.0486	0.0452	0.0615	0.0621	0.0869	0.0490	0.0239	0.0162	0.0368	0.0414	0.9531
10E-	0.10E-04	0.0507	0.0566	0.0724	0.1687	0.0851	0.0459	0.0481	0.0443	0.0607	0.0606	0.0852	0.0478	0.0239	0.0162	0.0368	0.0414	0.9445
15E-	0.15E-04	0.0484	0.0553	0.0720	0.1680	0.0842	0.0455	0.0470	0.0435	0.0597	0.0590	0.0826	0.0443	0.0231	0.0160	0.0367	0.0407	0.9259
20E-	0.20E-04	0.0481	0.0547	0.0714	0.1675	0.0836	0.0448	0.0465	0.0430	0.0590	0.0582	0.0800	0.0424	0.0224	0.0153	0.0359	0.0406	0.9135
25E-	0.25E-04	0.0480	0.0537	0.0712	0.1675	0.0831	0.0446	0.0460	0.0429	0.0585	0.0577	0.0783	0.0409	0.0220	0.0151	0.0356	0.0401	0.9054
30E-	0.30E-04	0.0471	0.0530	0.0706	0.1672	0.0830	0.0444	0.0457	0.0427	0.0580	0.0572	0.0760	0.0401	0.0217	0.0149	0.0356	0.0397	0.8970
35E-	0.35E-04	0.0466	0.0524	0.0705	0.1670	0.0829	0.0440	0.0454	0.0422	0.0572	0.0568	0.0739	0.0375	0.0215	0.0148	0.0351	0.0397	0.8875
40E-	0.40E-04	0.0458	0.0522	0.0699	0.1665	0.0828	0.0440	0.0450	0.0416	0.0566	0.0559	0.0721	0.0342	0.0192	0.0145	0.0337	0.0388	0.8727
50E-	0.50E-04	0.0445	0.0519	0.0690	0.1659	0.0826	0.0438	0.0448	0.0414	0.0557	0.0551	0.0683	0.0287	0.0170	0.0130	0.0290	0.0335	0.8442
60E-	0.60E-04	0.0397	0.0514	0.0684	0.1656	0.0816	0.0435	0.0446	0.0407	0.0546	0.0540	0.0621	0.0228	0.0147	0.0114	0.0232	0.0267	0.8051
70E-	0.70E-04	0.0339	0.0489	0.0677	0.1644	0.0814	0.0430	0.0436	0.0406	0.0535	0.0529	0.0558	0.0198	0.0117	0.0094	0.0175	0.0212	0.7653
85E-	0.85E-04	0.0205	0.0428	0.0649	0.1631	0.0799	0.0415	0.0400	0.0388	0.0500	0.0491	0.0434	0.0140	0.0068	0.0055	0.0094	0.0114	0.6810
10E-	0.10E-03	0.0164	0.0361	0.0621	0.1609	0.0776	0.0391	0.0362	0.0348	0.0436	0.0445	0.0362	0.0102	0.0047	0.0030	0.0067	0.0076	0.6198
13E-	0.13E-03	0.0091	0.0262	0.0540	0.1562	0.0742	0.0359	0.0314	0.0299	0.0360	0.0312	0.0183	0.0060	0.0023	0.0018	0.0029	0.0032	0.5185
17E-	0.17E-03	0.0059	0.0175	0.0480	0.1513	0.0712	0.0347	0.0283	0.0237	0.0292	0.0200	0.0110	0.0030	0.0011	0.0009	0.0013	0.0017	0.4488
20E-	0.20E-03	0.0044	0.0123	0.0407	0.1440	0.0689	0.0317	0.0252	0.0204	0.0241	0.0144	0.0075	0.0015	0.0010	0.0008	0.0008	0.0014	0.3990
25E-	0.25E-03	0.0022	0.0064	0.0319	0.1303	0.0618	0.0271	0.0206	0.0153	0.0166	0.0079	0.0041	0.0003	0.0002	0.0003	0.0003	0.0010	0.3265
30E-	0.30E-03	0.0014	0.0047	0.0261	0.1144	0.0561	0.0235	0.0160	0.0114	0.0112	0.0047	0.0018	0.0002	0.0002	0.0002	0.0002	0.0008	0.2730
35E-	0.35E-03	0.0008	0.0028	0.0189	0.0957	0.0471	0.0200	0.0117	0.0084	0.0074	0.0032	0.0015	0.0002	0.0001	0.0001	0.0002	0.0006	0.2187
40E-	0.40E-03	0.0007	0.0020	0.0154	0.0798	0.0396	0.0161	0.0092	0.0061	0.0053	0.0020	0.0011	0.0002	0.0001	0.0000	0.0002	0.0005	0.1782
50E-	0.50E-03	0.0003	0.0015	0.0100	0.0519	0.0287	0.0105	0.0056	0.0036	0.0025	0.0011	0.0006	0.0000	0.0000	0.0000	0.0002	0.0003	0.1170
60E-	0.60E-03	0.0002	0.0009	0.0062	0.0294	0.0185	0.0072	0.0030	0.0017	0.0013	0.0008	0.0005	0.0000	0.0000	0.0000	0.0001	0.0002	0.0701
70E-	0.70E-03	0.0001	0.0003	0.0037	0.0138	0.0098	0.0030	0.0017	0.0010	0.0002	0.0002	0.0003	0.0000	0.0000	0.0000	0.0001	0.0002	0.0346
85E-	0.85E-03	0.0001	0.0002	0.0016	0.0039	0.0039	0.0018	0.0011	0.0002	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0001	0.0001	0.0133
10E-	0.10E-02	0.0001	0.0002	0.0003	0.0015	0.0013	0.0010	0.0009	0.0002	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0057
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

YEA 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 56
VATE 0ELEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
1 1

NTIZ VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0567	0.0252	0.0166	0.0369	0.0417	1.0000
35E-	0.35E-08	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0567	0.0252	0.0166	0.0369	0.0417	1.0000
10E-	0.10E-07	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0567	0.0252	0.0166	0.0369	0.0417	1.0000
25E-	0.25E-07	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1049	0.0567	0.0252	0.0166	0.0369	0.0417	1.0000
70E-	0.70E-07	0.0515	0.0592	0.0751	0.1698	0.0853	0.0466	0.0507	0.0465	0.0659	0.0674	0.1048	0.0557	0.0251	0.0166	0.0369	0.0417	0.9987
10E-	0.10E-06	0.0508	0.0585	0.0751	0.1698	0.0853	0.0466	0.0506	0.0465	0.0654	0.0669	0.0998	0.0506	0.0245	0.0166	0.0369	0.0416	0.9856
15E-	0.15E-06	0.0485	0.0562	0.0738	0.1697	0.0851	0.0465	0.0496	0.0457	0.0629	0.0645	0.0875	0.0451	0.0231	0.0159	0.0365	0.0407	0.9512
22E-	0.22E-06	0.0482	0.0542	0.0718	0.1685	0.0846	0.0457	0.0473	0.0436	0.0596	0.0591	0.0800	0.0429	0.0228	0.0154	0.0356	0.0404	0.9195
32E-	0.32E-06	0.0480	0.0530	0.0707	0.1672	0.0835	0.0448	0.0455	0.0422	0.0575	0.0569	0.0768	0.0423	0.0227	0.0153	0.0356	0.0402	0.9024
48E-	0.48E-06	0.0477	0.0528	0.0698	0.1658	0.0825	0.0442	0.0450	0.0417	0.0568	0.0559	0.0756	0.0416	0.0222	0.0153	0.0356	0.0400	0.8925
70E-	0.70E-06	0.0474	0.0524	0.0697	0.1656	0.0818	0.0436	0.0450	0.0416	0.0565	0.0558	0.0741	0.0404	0.0216	0.0149	0.0356	0.0396	0.8855
10E-	0.10E-05	0.0454	0.0521	0.0695	0.1656	0.0818	0.0436	0.0450	0.0415	0.0561	0.0554	0.0721	0.0396	0.0210	0.0146	0.0350	0.0391	0.8773
15E-	0.15E-05	0.0453	0.0520	0.0692	0.1654	0.0815	0.0434	0.0447	0.0415	0.0550	0.0545	0.0706	0.0368	0.0209	0.0143	0.0348	0.0391	0.8690

20E-	0.20E-05	0.0451	0.0515	0.0688	0.1648	0.0813	0.0430	0.0446	0.0413	0.0542	0.0540	0.0681	0.0309	0.0176	0.0136	0.0319	0.0363	0.8469
30E-	0.30E-05	0.0322	0.0483	0.0674	0.1633	0.0810	0.0429	0.0430	0.0404	0.0534	0.0523	0.0545	0.0192	0.0107	0.0092	0.0161	0.0199	0.7537
40E-	0.40E-05	0.0200	0.0421	0.0646	0.1624	0.0795	0.0411	0.0394	0.0385	0.0497	0.0485	0.0428	0.0140	0.0067	0.0049	0.0091	0.0110	0.6743
50E-	0.50E-05	0.0166	0.0367	0.0622	0.1606	0.0774	0.0390	0.0362	0.0348	0.0438	0.0447	0.0374	0.0105	0.0048	0.0031	0.0068	0.0078	0.6225
70E-	0.70E-05	0.0129	0.0302	0.0555	0.1564	0.0747	0.0367	0.0324	0.0300	0.0386	0.0373	0.0259	0.0072	0.0028	0.0022	0.0046	0.0054	0.5529
85E-	0.85E-05	0.0097	0.0243	0.0511	0.1536	0.0721	0.0354	0.0297	0.0264	0.0340	0.0307	0.0169	0.0049	0.0022	0.0017	0.0025	0.0036	0.4989
10E-	0.10E-04	0.0070	0.0194	0.0473	0.1502	0.0700	0.0327	0.0275	0.0241	0.0304	0.0244	0.0133	0.0029	0.0017	0.0013	0.0014	0.0023	0.4558
15E-	0.15E-04	0.0032	0.0112	0.0368	0.1387	0.0639	0.0281	0.0217	0.0178	0.0206	0.0118	0.0063	0.0011	0.0006	0.0006	0.0003	0.0014	0.3642
20E-	0.20E-04	0.0018	0.0063	0.0301	0.1264	0.0570	0.0238	0.0167	0.0124	0.0129	0.0062	0.0033	0.0005	0.0002	0.0003	0.0002	0.0009	0.2992
25E-	0.25E-04	0.0014	0.0041	0.0243	0.1159	0.0492	0.0198	0.0117	0.0082	0.0086	0.0044	0.0024	0.0003	0.0001	0.0001	0.0002	0.0007	0.2515
30E-	0.30E-04	0.0010	0.0028	0.0202	0.1037	0.0430	0.0163	0.0093	0.0064	0.0074	0.0030	0.0016	0.0002	0.0001	0.0000	0.0002	0.0006	0.2160
35E-	0.35E-04	0.0007	0.0024	0.0162	0.0921	0.0381	0.0132	0.0074	0.0057	0.0062	0.0023	0.0014	0.0001	0.0001	0.0000	0.0002	0.0005	0.1866
40E-	0.40E-04	0.0006	0.0016	0.0139	0.0783	0.0346	0.0110	0.0063	0.0044	0.0043	0.0016	0.0011	0.0001	0.0001	0.0000	0.0002	0.0003	0.1586
50E-	0.50E-04	0.0003	0.0011	0.0109	0.0588	0.0284	0.0092	0.0048	0.0030	0.0024	0.0010	0.0007	0.0000	0.0000	0.0000	0.0002	0.0003	0.1213
60E-	0.60E-04	0.0003	0.0009	0.0077	0.0393	0.0201	0.0067	0.0028	0.0017	0.0014	0.0009	0.0005	0.0000	0.0000	0.0000	0.0001	0.0002	0.0827
70E-	0.70E-04	0.0001	0.0008	0.0051	0.0248	0.0133	0.0046	0.0021	0.0014	0.0008	0.0005	0.0003	0.0000	0.0000	0.0000	0.0001	0.0002	0.0542
85E-	0.85E-04	0.0001	0.0002	0.0029	0.0107	0.0072	0.0018	0.0013	0.0003	0.0001	0.0001	0.0003	0.0000	0.0000	0.0000	0.0001	0.0001	0.0254
10E-	0.10E-03	0.0001	0.0002	0.0016	0.0037	0.0034	0.0017	0.0011	0.0002	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0001	0.0001	0.0125
13E-	0.13E-03	0.0000	0.0001	0.0001	0.0002	0.0002	0.0001	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

YEA 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 57
JND 0GROUND RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
2 2

VTIZ VEL.	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.8206	0.8353	0.8714	0.9739	0.9902	0.9090	0.7455	0.8867	0.9479	0.8809	0.9292	0.7360	0.0700	0.0292	0.8453	0.7306	12.2018
35E-	0.35E-08	0.0795	0.0941	0.1278	0.5509	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.8983
10E-	0.10E-07	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
25E-	0.25E-07	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
70E-	0.70E-07	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
10E-	0.10E-06	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
15E-	0.15E-06	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
22E-	0.22E-06	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
32E-	0.32E-06	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
48E-	0.48E-06	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
70E-	0.70E-06	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
10E-	0.10E-05	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
15E-	0.15E-05	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0862	0.0411	0.0292	0.0561	0.0631	1.5942
20E-	0.20E-05	0.0793	0.0938	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1540	0.0844	0.0409	0.0292	0.0561	0.0631	1.5910
30E-	0.30E-05	0.0788	0.0922	0.1268	0.2469	0.1467	0.0843	0.0868	0.0781	0.1068	0.1083	0.1489	0.0803	0.0394	0.0290	0.0561	0.0630	1.5726
40E-	0.40E-05	0.0785	0.0911	0.1265	0.2467	0.1465	0.0843	0.0852	0.0770	0.1049	0.1057	0.1420	0.0774	0.0392	0.0286	0.0559	0.0629	1.5524
50E-	0.50E-05	0.0785	0.0905	0.1249	0.2454	0.1465	0.0834	0.0844	0.0766	0.1032	0.1019	0.1372	0.0757	0.0392	0.0286	0.0559	0.0628	1.5346

0E-(	0.70E-05	0.0770	0.0895	0.1239	0.2441	0.1452	0.0831	0.0830	0.0751	0.1003	0.0997	0.1305	0.0724	0.0386	0.0282	0.0559	0.0623	1.5090
5E-(	0.85E-05	0.0761	0.0882	0.1233	0.2437	0.1448	0.0823	0.0822	0.0747	0.0992	0.0980	0.1270	0.0701	0.0381	0.0275	0.0549	0.0621	1.4922
.0E-(	0.10E-04	0.0759	0.0874	0.1226	0.2432	0.1441	0.0815	0.0819	0.0739	0.0986	0.0973	0.1256	0.0683	0.0375	0.0270	0.0547	0.0619	1.4814
.5E-(	0.15E-04	0.0738	0.0850	0.1214	0.2425	0.1435	0.0805	0.0807	0.0731	0.0975	0.0948	0.1201	0.0647	0.0361	0.0264	0.0544	0.0605	1.4552
0E-(	0.20E-04	0.0719	0.0837	0.1203	0.2420	0.1429	0.0799	0.0796	0.0712	0.0954	0.0930	0.1141	0.0606	0.0331	0.0255	0.0529	0.0589	1.4250
5E-(	0.25E-04	0.0708	0.0831	0.1194	0.2410	0.1425	0.0795	0.0791	0.0711	0.0943	0.0922	0.1105	0.0570	0.0315	0.0241	0.0491	0.0554	1.4008
0E-(	0.30E-04	0.0677	0.0827	0.1188	0.2402	0.1408	0.0790	0.0790	0.0706	0.0930	0.0906	0.1051	0.0511	0.0292	0.0221	0.0440	0.0500	1.3640
5E-(	0.35E-04	0.0634	0.0805	0.1179	0.2385	0.1405	0.0784	0.0785	0.0706	0.0913	0.0890	0.0998	0.0447	0.0258	0.0191	0.0397	0.0445	1.3222
0E-(	0.40E-04	0.0562	0.0769	0.1164	0.2376	0.1399	0.0774	0.0770	0.0693	0.0906	0.0869	0.0952	0.0377	0.0207	0.0158	0.0338	0.0393	1.2709
0E-(	0.50E-04	0.0442	0.0685	0.1114	0.2336	0.1362	0.0729	0.0719	0.0653	0.0816	0.0789	0.0792	0.0258	0.0136	0.0085	0.0240	0.0263	1.1419
0E-(	0.60E-04	0.0386	0.0645	0.1056	0.2285	0.1336	0.0699	0.0684	0.0611	0.0774	0.0733	0.0654	0.0199	0.0097	0.0071	0.0182	0.0199	1.0611
0E-(	0.70E-04	0.0267	0.0532	0.0979	0.2250	0.1313	0.0678	0.0639	0.0559	0.0698	0.0569	0.0476	0.0138	0.0066	0.0049	0.0094	0.0132	0.9441
5E-(	0.85E-04	0.0176	0.0421	0.0895	0.2196	0.1270	0.0661	0.0581	0.0490	0.0598	0.0459	0.0354	0.0086	0.0033	0.0025	0.0053	0.0074	0.8372
0E-(	0.10E-03	0.0128	0.0312	0.0787	0.2091	0.1224	0.0601	0.0512	0.0430	0.0506	0.0361	0.0246	0.0052	0.0024	0.0018	0.0028	0.0049	0.7368
3E-(	0.13E-03	0.0045	0.0177	0.0614	0.1888	0.1075	0.0501	0.0392	0.0310	0.0338	0.0206	0.0107	0.0015	0.0005	0.0007	0.0006	0.0022	0.5708
.7E-(	0.17E-03	0.0021	0.0107	0.0448	0.1673	0.0906	0.0415	0.0290	0.0215	0.0214	0.0124	0.0044	0.0006	0.0002	0.0002	0.0006	0.0014	0.4487
0E-(	0.20E-03	0.0016	0.0061	0.0346	0.1487	0.0762	0.0321	0.0207	0.0139	0.0146	0.0072	0.0029	0.0005	0.0002	0.0000	0.0006	0.0010	0.3610
5E-(	0.25E-03	0.0008	0.0037	0.0231	0.1227	0.0590	0.0220	0.0131	0.0087	0.0070	0.0033	0.0016	0.0000	0.0000	0.0000	0.0005	0.0007	0.2662
0E-(	0.30E-03	0.0006	0.0026	0.0156	0.0956	0.0423	0.0162	0.0071	0.0046	0.0038	0.0021	0.0010	0.0000	0.0000	0.0000	0.0002	0.0005	0.1923
5E-(	0.35E-03	0.0002	0.0010	0.0098	0.0711	0.0286	0.0086	0.0039	0.0030	0.0016	0.0006	0.0008	0.0000	0.0000	0.0000	0.0002	0.0005	0.1299
0E-(	0.40E-03	0.0002	0.0009	0.0068	0.0540	0.0194	0.0068	0.0028	0.0018	0.0008	0.0003	0.0007	0.0000	0.0000	0.0000	0.0002	0.0005	0.0953
0E-(	0.50E-03	0.0002	0.0005	0.0025	0.0313	0.0106	0.0036	0.0018	0.0007	0.0005	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0520
0E-(	0.60E-03	0.0000	0.0000	0.0011	0.0152	0.0040	0.0010	0.0005	0.0001	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0221
0E-(	0.70E-03	0.0000	0.0000	0.0005	0.0074	0.0020	0.0006	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105
5E-(	0.85E-03	0.0000	0.0000	0.0003	0.0014	0.0006	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024
.0E-(	0.10E-02	0.0000	0.0000	0.0001	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
.4E-(	0.14E-02	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
0E-(	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.40E-02																	

YEA 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 58
ATE 0ELEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
BIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL.
2

TIZ EL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
0E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.0E-(	0.10E-09	0.0795	0.0941	0.1278	0.7359	0.4192	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	2.3557
5E-(	0.35E-08	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
0E-(	0.10E-07	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
5E-(	0.25E-07	0.0795	0.0941	0.1278	0.2469	0.1467	0.0844	0.0872	0.0787	0.1079	0.1105	0.1549	0.0864	0.0411	0.0292	0.0561	0.0631	1.5943
0E-(	0.70E-07	0.0770	0.0906	0.1266	0.2468	0.1467	0.0843	0.0862	0.0775	0.1063	0.1074	0.1452	0.0747	0.0384	0.0284	0.0561	0.0622	1.5546
.0E-(	0.10E-06	0.0765	0.0883	0.1245	0.2454	0.1465	0.0835	0.0848	0.0765	0.1030	0.1011	0.1342	0.0695	0.0379	0.0273	0.0546	0.0618	1.5153
.5E-(	0.15E-06	0.0747	0.0859	0.1220	0.2432	0.1448	0.0820	0.0820	0.0737	0.0983	0.0969	0.1222	0.0668	0.0373	0.0269	0.0543	0.0611	1.4722
2E-(	0.22E-06	0.0743	0.0842	0.1199	0.2410	0.1431	0.0804	0.0799	0.0714	0.0956	0.0931	0.1179	0.0658	0.0368	0.0269	0.0543	0.0605	1.4450
2E-(	0.32E-06	0.0739	0.0839	0.1197	0.2403	0.1412	0.0791	0.0790	0.0713	0.0946	0.0923	0.1161	0.0642	0.0360	0.0263	0.0543	0.0604	1.4328
8E-(	0.48E-06	0.0715	0.0831	0.1193	0.2401	0.1410	0.0790	0.0790	0.0712	0.0942	0.0921	0.1129	0.0628	0.0346	0.0259	0.0537	0.0596	1.4200
0E-(	0.70E-06	0.0711	0.0829	0.1189	0.2399	0.1409	0.0788	0.0790	0.0711	0.0927	0.0906	0.1102	0.0614	0.0346	0.0254	0.0534	0.0593	1.4101
.0E-(	0.10E-05	0.0707	0.0821	0.1184	0.2388	0.1405	0.0781	0.0789	0.0708	0.0915	0.0895	0.1073	0.0566	0.0312	0.0243	0.0509	0.0574	1.3871
.5E-(	0.15E-05	0.0609	0.0795	0.1175	0.2363	0.1398	0.0780	0.0775	0.0703	0.0907	0.0879	0.0975	0.0442	0.0243	0.0184	0.0382	0.0430	1.3039
0E-(	0.20E-05	0.0486	0.0736	0.1145	0.2352	0.1376	0.0761	0.0744	0.0677	0.0869	0.0834	0.0858	0.0329	0.0171	0.0121	0.0284	0.0324	1.2069
0E-(	0.30E-05	0.0347	0.0636	0.1053	0.2282	0.1334	0.0699	0.0669	0.0609	0.0767	0.0733	0.0629	0.0186	0.0087	0.0067	0.0144	0.0171	1.0414
0E-(	0.40E-05	0.0237	0.0515	0.0954	0.2234	0.1296	0.0670	0.0609	0.0536	0.0678	0.0603	0.0453	0.0118	0.0056	0.0040	0.0079	0.0107	0.9188
0E-(	0.50E-05	0.0172	0.0416	0.0867	0.2160	0.1239	0.0611	0.0540	0.0468	0.0578	0.0488	0.0348	0.0075	0.0039	0.0028	0.0039	0.0069	0.8137
0E-(	0.70E-05	0.0089	0.0278	0.0734	0.2029	0.1144	0.0544	0.0435	0.0382	0.0440	0.0315	0.0181	0.0032	0.0015	0.0015	0.0016	0.0037	0.6685
5E-(	0.85E-05	0.0059	0.0215	0.0657	0.1942	0.1074	0.0519	0.0411	0.0325	0.0363	0.0251	0.0113	0.0026	0.0009	0.0009	0.0009	0.0022	0.6004
.0E-(	0.10E-04	0.0040	0.0161	0.0585	0.1833	0.1019	0.0454	0.0339	0.0269	0.0285	0.0182	0.0083	0.0013	0.0005	0.0007	0.0006	0.0020	0.5300
.5E-(	0.15E-04	0.0022	0.0068	0.0406	0.1612	0.0800	0.0319	0.0207	0.0144	0.0167	0.0083	0.0036	0.0006	0.0002	0.0000	0.0005	0.0014	0.3889

20E-	0.20E-04	0.0013	0.0043	0.0291	0.1383	0.0667	0.0225	0.0140	0.0095	0.0091	0.0038	0.0025	0.0002	0.0002	0.0000	0.0005	0.0007	0.3028
25E-	0.25E-04	0.0008	0.0031	0.0227	0.1193	0.0558	0.0191	0.0100	0.0070	0.0053	0.0025	0.0016	0.0000	0.0000	0.0000	0.0005	0.0007	0.2483
30E-	0.30E-04	0.0008	0.0023	0.0166	0.0981	0.0419	0.0141	0.0056	0.0039	0.0036	0.0023	0.0010	0.0000	0.0000	0.0000	0.0002	0.0005	0.1909
35E-	0.35E-04	0.0002	0.0017	0.0113	0.0783	0.0300	0.0100	0.0043	0.0030	0.0024	0.0010	0.0008	0.0000	0.0000	0.0000	0.0002	0.0005	0.1437
40E-	0.40E-04	0.0002	0.0007	0.0080	0.0629	0.0231	0.0062	0.0030	0.0016	0.0011	0.0003	0.0008	0.0000	0.0000	0.0000	0.0002	0.0005	0.1088
50E-	0.50E-04	0.0002	0.0005	0.0048	0.0397	0.0132	0.0041	0.0023	0.0006	0.0005	0.0000	0.0003	0.0000	0.0000	0.0000	0.0002	0.0002	0.0667
60E-	0.60E-04	0.0002	0.0002	0.0021	0.0251	0.0053	0.0020	0.0007	0.0001	0.0002	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0360
70E-	0.70E-04	0.0000	0.0000	0.0009	0.0141	0.0031	0.0007	0.0005	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
85E-	0.85E-04	0.0000	0.0000	0.0003	0.0048	0.0011	0.0002	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0067
10E-	0.10E-03	0.0000	0.0000	0.0003	0.0013	0.0006	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023
13E-	0.13E-03	0.0000	0.0000	0.0001	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
20E	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

. YR/ 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 59

)UND OGROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

8 8

ANTI:	QUANTIZED																		
VEL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E	0.10E-09	0.7505	0.8081	0.9056	0.9791	0.9826	0.8233	0.8191	0.7253	0.9128	0.9126	0.9392	0.2689	0.1141	0.0903	0.5549	0.5871	11.1732
35E	0.35E-08	0.1886	0.2255	0.3325	0.6375	0.3935	0.2615	0.2540	0.2214	0.2809	0.2943	0.3594	0.2164	0.1141	0.0903	0.1347	0.1464	4.1509
10E	0.10E-07	0.1886	0.2255	0.3325	0.4808	0.3935	0.2615	0.2540	0.2214	0.2809	0.2943	0.3594	0.2164	0.1141	0.0903	0.1347	0.1464	3.9941
25E	0.25E-07	0.1886	0.2255	0.3325	0.4808	0.3935	0.2615	0.2540	0.2214	0.2809	0.2943	0.3594	0.2164	0.1141	0.0903	0.1347	0.1464	3.9941
70E	0.70E-07	0.1886	0.2255	0.3325	0.4808	0.3935	0.2615	0.2540	0.2214	0.2809	0.2943	0.3594	0.2164	0.1141	0.0903	0.1347	0.1464	3.9941
.10E	0.10E-06	0.1886	0.2255	0.3325	0.4808	0.3935	0.2615	0.2540	0.2214	0.2809	0.2943	0.3594	0.2164	0.1141	0.0903	0.1347	0.1464	3.9941
15E	0.15E-06	0.1886	0.2255	0.3325	0.4808	0.3935	0.2615	0.2540	0.2214	0.2809	0.2943	0.3594	0.2164	0.1141	0.0903	0.1347	0.1464	3.9941
22E	0.22E-06	0.1886	0.2255	0.3325	0.4808	0.3935	0.2615	0.2540	0.2214	0.2809	0.2943	0.3594	0.2164	0.1141	0.0903	0.1347	0.1464	3.9941
32E	0.32E-06	0.1886	0.2255	0.3325	0.4808	0.3935	0.2615	0.2540	0.2214	0.2809	0.2943	0.3594	0.2164	0.1141	0.0903	0.1347	0.1464	3.9941
48E	0.48E-06	0.1886	0.2255	0.3325	0.4808	0.3935	0.2615	0.2540	0.2214	0.2809	0.2943	0.3591	0.2135	0.1141	0.0903	0.1347	0.1464	3.9910
70E	0.70E-06	0.1882	0.2248	0.3316	0.4808	0.3935	0.2615	0.2537	0.2203	0.2807	0.2932	0.3560	0.2081	0.1120	0.0903	0.1347	0.1463	3.9759
10E	0.10E-05	0.1881	0.2225	0.3305	0.4808	0.3934	0.2614	0.2530	0.2178	0.2789	0.2902	0.3486	0.1999	0.1106	0.0883	0.1337	0.1462	3.9439
15E	0.15E-05	0.1874	0.2214	0.3280	0.4794	0.3921	0.2598	0.2497	0.2140	0.2758	0.2809	0.3423	0.1915	0.1104	0.0874	0.1337	0.1460	3.8998
20E	0.20E-05	0.1861	0.2181	0.3258	0.4776	0.3893	0.2576	0.2469	0.2126	0.2724	0.2762	0.3364	0.1861	0.1104	0.0864	0.1333	0.1454	3.8604
30E	0.30E-05	0.1857	0.2164	0.3241	0.4768	0.3882	0.2543	0.2446	0.2111	0.2691	0.2693	0.3226	0.1770	0.1080	0.0842	0.1318	0.1433	3.8063
40E	0.40E-05	0.1841	0.2117	0.3230	0.4739	0.3872	0.2513	0.2440	0.2093	0.2667	0.2653	0.3135	0.1733	0.1060	0.0833	0.1310	0.1420	3.7655
50E	0.50E-05	0.1810	0.2072	0.3214	0.4737	0.3856	0.2511	0.2410	0.2042	0.2624	0.2592	0.3075	0.1690	0.1018	0.0815	0.1302	0.1390	3.7160
70E	0.70E-05	0.1794	0.2057	0.3187	0.4713	0.3821	0.2491	0.2395	0.2032	0.2580	0.2559	0.2953	0.1605	0.0960	0.0773	0.1224	0.1345	3.6489
85E	0.85E-05	0.1753	0.2032	0.3176	0.4692	0.3812	0.2472	0.2391	0.2032	0.2555	0.2524	0.2852	0.1481	0.0873	0.0706	0.1168	0.1253	3.5773
10E	0.10E-04	0.1662	0.1988	0.3172	0.4678	0.3807	0.2446	0.2372	0.2023	0.2539	0.2480	0.2745	0.1378	0.0780	0.0608	0.1055	0.1155	3.4887
15E	0.15E-04	0.1439	0.1864	0.3021	0.4581	0.3709	0.2264	0.2268	0.1937	0.2326	0.2224	0.2199	0.1005	0.0517	0.0373	0.0827	0.0889	3.1442
20E	0.20E-04	0.1106	0.1587	0.2830	0.4481	0.3604	0.2196	0.2118	0.1703	0.2053	0.1762	0.1703	0.0673	0.0323	0.0191	0.0577	0.0700	2.7608
25E	0.25E-04	0.0879	0.1357	0.2568	0.4279	0.3490	0.1985	0.1927	0.1560	0.1850	0.1488	0.1386	0.0471	0.0221	0.0131	0.0414	0.0504	2.4510
30E	0.30E-04	0.0629	0.1187	0.2368	0.4128	0.3215	0.1873	0.1777	0.1436	0.1583	0.1289	0.1096	0.0342	0.0129	0.0075	0.0321	0.0399	2.1847
35E	0.35E-04	0.0475	0.1017	0.2180	0.3943	0.3070	0.1649	0.1482	0.1243	0.1353	0.1035	0.0852	0.0216	0.0078	0.0063	0.0220	0.0320	1.9197

40E-	0.40E-04	0.0362	0.0904	0.2000	0.3840	0.2868	0.1500	0.1333	0.1111	0.1191	0.0889	0.0685	0.0144	0.0051	0.0033	0.0164	0.0224	1.7299
50E-	0.50E-04	0.0214	0.0611	0.1559	0.3564	0.2452	0.1236	0.1003	0.0805	0.0866	0.0623	0.0408	0.0055	0.0017	0.0001	0.0066	0.0129	1.3609
60E-	0.60E-04	0.0120	0.0450	0.1244	0.3298	0.2126	0.1011	0.0731	0.0626	0.0636	0.0382	0.0274	0.0007	0.0000	0.0000	0.0038	0.0069	1.1011
70E-	0.70E-04	0.0069	0.0321	0.1063	0.3065	0.1820	0.0792	0.0512	0.0427	0.0482	0.0297	0.0144	0.0002	0.0000	0.0000	0.0010	0.0034	0.9037
85E-	0.85E-04	0.0017	0.0170	0.0707	0.2697	0.1465	0.0583	0.0337	0.0271	0.0287	0.0176	0.0076	0.0000	0.0000	0.0000	0.0009	0.0023	0.6819
10E-	0.10E-03	0.0011	0.0093	0.0543	0.2466	0.1206	0.0440	0.0228	0.0153	0.0182	0.0097	0.0037	0.0000	0.0000	0.0000	0.0009	0.0022	0.5486
13E-	0.13E-03	0.0009	0.0037	0.0263	0.1987	0.0835	0.0253	0.0086	0.0053	0.0069	0.0020	0.0017	0.0000	0.0000	0.0000	0.0000	0.0005	0.3634
17E-	0.17E-03	0.0000	0.0007	0.0133	0.1501	0.0475	0.0102	0.0014	0.0013	0.0024	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.2285
20E-	0.20E-03	0.0000	0.0006	0.0086	0.1211	0.0348	0.0056	0.0008	0.0006	0.0006	0.0000	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.1735
25E-	0.25E-03	0.0000	0.0000	0.0044	0.0850	0.0199	0.0015	0.0007	0.0000	0.0000	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.1120
30E-	0.30E-03	0.0000	0.0000	0.0013	0.0570	0.0086	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0677
35E-	0.35E-03	0.0000	0.0000	0.0001	0.0379	0.0044	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0428
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0248	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0267
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0084	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0086
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
14E	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

, YE 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 60

VATI 0ELEVATED RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABII PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

8 8

NTI: VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E-	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000
10E-	0.10E-09	0.1886	0.2255	0.3325	0.7953	0.5500	0.2615	0.2540	0.2214	0.2809	0.2943	0.3594	0.2164	0.1141	0.0903	0.1347	0.1464	4.4652
35E-	0.35E-08	0.1886	0.2255	0.3325	0.4808	0.3935	0.2615	0.2540	0.2214	0.2809	0.2943	0.3594	0.2164	0.1141	0.0903	0.1347	0.1464	3.9941
10E	0.10E-07	0.1886	0.2252	0.3325	0.4808	0.3935	0.2615	0.2540	0.2214	0.2809	0.2943	0.3591	0.2124	0.1141	0.0903	0.1347	0.1464	3.9895
25E-	0.25E-07	0.1866	0.2202	0.3280	0.4801	0.3934	0.2598	0.2528	0.2172	0.2768	0.2831	0.3428	0.1871	0.1102	0.0856	0.1327	0.1436	3.9000
70E-	0.70E-07	0.1832	0.2091	0.3205	0.4717	0.3837	0.2514	0.2403	0.2046	0.2608	0.2592	0.3100	0.1733	0.1061	0.0843	0.1310	0.1411	3.7303
10E-	0.10E-06	0.1815	0.2064	0.3189	0.4702	0.3822	0.2483	0.2392	0.2034	0.2595	0.2572	0.2999	0.1708	0.1041	0.0823	0.1310	0.1399	3.6949
15E-	0.15E-06	0.1788	0.2053	0.3177	0.4696	0.3821	0.2466	0.2388	0.2033	0.2582	0.2551	0.2957	0.1672	0.1025	0.0810	0.1297	0.1381	3.6696
22E-	0.22E-06	0.1787	0.2032	0.3177	0.4680	0.3818	0.2455	0.2388	0.2033	0.2557	0.2511	0.2865	0.1619	0.0974	0.0790	0.1288	0.1372	3.6348
32E-	0.32E-06	0.1759	0.2029	0.3174	0.4660	0.3806	0.2448	0.2382	0.2030	0.2537	0.2480	0.2762	0.1490	0.0898	0.0743	0.1199	0.1320	3.5718
48E-	0.48E-06	0.1565	0.1954	0.3146	0.4647	0.3774	0.2430	0.2340	0.2001	0.2492	0.2410	0.2582	0.1268	0.0726	0.0544	0.1014	0.1091	3.3985
70E-	0.70E-06	0.1413	0.1851	0.3082	0.4585	0.3714	0.2290	0.2262	0.1946	0.2338	0.2248	0.2239	0.0964	0.0511	0.0368	0.0808	0.0873	3.1491
10E-	0.10E-05	0.1114	0.1654	0.2867	0.4515	0.3627	0.2190	0.2133	0.1756	0.2100	0.1931	0.1738	0.0666	0.0352	0.0218	0.0574	0.0669	2.8103
15E-	0.15E-05	0.0720	0.1317	0.2600	0.4273	0.3384	0.1945	0.1846	0.1550	0.1738	0.1472	0.1293	0.0360	0.0152	0.0108	0.0283	0.0394	2.3434
20E-	0.20E-05	0.0453	0.1134	0.2316	0.4055	0.3144	0.1794	0.1615	0.1351	0.1455	0.1172	0.0900	0.0199	0.0067	0.0054	0.0145	0.0229	2.0082
30E-	0.30E-05	0.0198	0.0726	0.1833	0.3714	0.2732	0.1389	0.1159	0.0979	0.1055	0.0769	0.0415	0.0061	0.0009	0.0009	0.0045	0.0113	1.5206
40E-	0.40E-05	0.0107	0.0468	0.1501	0.3472	0.2375	0.1091	0.0806	0.0696	0.0749	0.0497	0.0233	0.0025	0.0009	0.0000	0.0018	0.0059	1.2106
50E-	0.50E-05	0.0084	0.0309	0.1204	0.3256	0.2161	0.0888	0.0654	0.0499	0.0536	0.0322	0.0144	0.0009	0.0009	0.0000	0.0018	0.0034	1.0128
70E-	0.70E-05	0.0039	0.0154	0.0853	0.2824	0.1678	0.0684	0.0337	0.0260	0.0319	0.0168	0.0066	0.0000	0.0000	0.0000	0.0009	0.0022	0.7413
85E-	0.85E-05	0.0009	0.0112	0.0604	0.2526	0.1334	0.0517	0.0229	0.0164	0.0202	0.0091	0.0037	0.0000	0.0000	0.0000	0.0009	0.0018	0.5853
10E-	0.10E-04	0.0009	0.0049	0.0458	0.2300	0.1119	0.0385	0.0177	0.0094	0.0099	0.0040	0.0029	0.0000	0.0000	0.0000	0.0009	0.0018	0.4787
15E-	0.15E-04	0.0009	0.0009	0.0206	0.1698	0.0585	0.0151	0.0038	0.0016	0.0024	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.2753
20E-	0.20E-04	0.0000	0.0000	0.0113	0.1259	0.0373	0.0049	0.0008	0.0006	0.0015	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.1832
25E-	0.25E-04	0.0000	0.0000	0.0071	0.0928	0.0222	0.0022	0.0007	0.0000	0.0002	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.1258
30E-	0.30E-04	0.0000	0.0000	0.0028	0.0681	0.0117	0.0008	0.0007	0.0000	0.0000	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0846
35E-	0.35E-04	0.0000	0.0000	0.0011	0.0491	0.0060	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0565
40E-	0.40E-04	0.0000	0.0000	0.0001	0.0353	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0390
50E-	0.50E-04	0.0000	0.0000	0.0000	0.0167	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0181
60E	0.60E-04	0.0000	0.0000	0.0000	0.0062	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0063
70E	0.70E-04	0.0000	0.0000	0.0000	0.0028	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029

85E-	0.85E-04	0.0000	0.0000	0.0000	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

YEA 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 61
UND 0GROUND RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
6 16

NTIZ VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.3034	0.5532	0.8372	0.9837	0.9610	0.5888	0.5308	0.4734	0.5491	0.5979	0.6989	0.3604	0.1934	0.1616	0.2158	0.2365	8.2452
35E-	0.35E-08	0.3034	0.3468	0.5106	0.6758	0.6167	0.4456	0.4169	0.3675	0.4425	0.4693	0.5424	0.3604	0.1934	0.1616	0.2158	0.2365	6.3053
10E-	0.10E-07	0.3034	0.3468	0.5106	0.6758	0.6167	0.4456	0.4169	0.3675	0.4425	0.4693	0.5424	0.3604	0.1934	0.1616	0.2158	0.2365	6.3053
25E-	0.25E-07	0.3034	0.3468	0.5106	0.6758	0.6167	0.4456	0.4169	0.3675	0.4425	0.4693	0.5424	0.3604	0.1934	0.1616	0.2158	0.2365	6.3053
70E-	0.70E-07	0.3034	0.3468	0.5106	0.6758	0.6167	0.4456	0.4169	0.3675	0.4425	0.4693	0.5424	0.3604	0.1934	0.1616	0.2158	0.2365	6.3053
10E-	0.10E-06	0.3034	0.3468	0.5106	0.6758	0.6167	0.4456	0.4169	0.3675	0.4425	0.4693	0.5424	0.3604	0.1934	0.1616	0.2158	0.2365	6.3053
15E-	0.15E-06	0.3034	0.3468	0.5106	0.6758	0.6167	0.4456	0.4169	0.3675	0.4425	0.4693	0.5424	0.3604	0.1934	0.1616	0.2158	0.2365	6.3053
22E-	0.22E-06	0.3034	0.3468	0.5106	0.6758	0.6167	0.4456	0.4169	0.3675	0.4425	0.4693	0.5424	0.3604	0.1934	0.1616	0.2158	0.2365	6.3053
32E-	0.32E-06	0.3034	0.3468	0.5106	0.6758	0.6167	0.4456	0.4169	0.3675	0.4425	0.4693	0.5423	0.3559	0.1934	0.1616	0.2158	0.2365	6.3007
48E-	0.48E-06	0.3030	0.3468	0.5106	0.6758	0.6167	0.4456	0.4165	0.3664	0.4424	0.4687	0.5401	0.3497	0.1896	0.1616	0.2158	0.2364	6.2859
70E-	0.70E-06	0.3030	0.3440	0.5091	0.6758	0.6166	0.4456	0.4162	0.3633	0.4401	0.4660	0.5310	0.3353	0.1873	0.1578	0.2140	0.2363	6.2414
10E-	0.10E-05	0.3007	0.3422	0.5075	0.6758	0.6144	0.4447	0.4121	0.3597	0.4372	0.4529	0.5247	0.3144	0.1863	0.1559	0.2138	0.2359	6.1782
15E-	0.15E-05	0.2991	0.3351	0.5052	0.6751	0.6103	0.4407	0.4083	0.3569	0.4310	0.4441	0.5109	0.2973	0.1787	0.1455	0.2065	0.2302	6.0750
20E-	0.20E-05	0.2942	0.3311	0.5039	0.6731	0.6087	0.4354	0.4050	0.3535	0.4246	0.4312	0.4939	0.2747	0.1598	0.1390	0.1968	0.2184	5.9432
30E-	0.30E-05	0.2683	0.3170	0.5000	0.6713	0.6051	0.4267	0.3977	0.3437	0.4124	0.4113	0.4538	0.2414	0.1339	0.1017	0.1685	0.1839	5.6366
40E-	0.40E-05	0.2509	0.3040	0.4949	0.6672	0.5965	0.4098	0.3917	0.3362	0.3975	0.3904	0.4113	0.1978	0.1103	0.0756	0.1472	0.1604	5.3419
50E-	0.50E-05	0.2227	0.2928	0.4794	0.6610	0.5920	0.3941	0.3824	0.3243	0.3743	0.3534	0.3671	0.1657	0.0843	0.0577	0.1248	0.1360	5.0120
70E-	0.70E-05	0.1723	0.2541	0.4598	0.6458	0.5773	0.3844	0.3553	0.2899	0.3384	0.3016	0.2930	0.1121	0.0501	0.0302	0.0887	0.0996	4.4527
85E-	0.85E-05	0.1396	0.2317	0.4249	0.6340	0.5563	0.3514	0.3365	0.2701	0.3001	0.2705	0.2454	0.0821	0.0370	0.0194	0.0696	0.0793	4.0481
10E-	0.10E-04	0.1079	0.2063	0.4013	0.6235	0.5263	0.3239	0.3019	0.2544	0.2758	0.2416	0.2084	0.0583	0.0191	0.0158	0.0522	0.0668	3.6834
15E-	0.15E-04	0.0553	0.1367	0.3208	0.5804	0.4478	0.2484	0.2177	0.1785	0.1843	0.1472	0.1083	0.0184	0.0052	0.0037	0.0212	0.0325	2.7064
20E-	0.20E-04	0.0252	0.0948	0.2451	0.5281	0.3666	0.1743	0.1382	0.1187	0.1326	0.0843	0.0560	0.0048	0.0006	0.0000	0.0064	0.0148	1.9905
25E-	0.25E-04	0.0123	0.0590	0.1763	0.4832	0.3080	0.1321	0.0976	0.0739	0.0928	0.0553	0.0286	0.0011	0.0003	0.0000	0.0025	0.0071	1.5304
30E-	0.30E-04	0.0049	0.0412	0.1352	0.4484	0.2622	0.1072	0.0678	0.0543	0.0647	0.0330	0.0144	0.0000	0.0000	0.0000	0.0018	0.0037	1.2388
35E-	0.35E-04	0.0030	0.0255	0.0964	0.4131	0.2199	0.0831	0.0506	0.0351	0.0401	0.0182	0.0106	0.0000	0.0000	0.0000	0.0000	0.0014	0.9969
40E-	0.40E-04	0.0009	0.0140	0.0762	0.3761	0.1908	0.0649	0.0292	0.0212	0.0286	0.0118	0.0076	0.0000	0.0000	0.0000	0.0000	0.0014	0.8228
50E-	0.50E-04	0.0008	0.0041	0.0447	0.3134	0.1319	0.0339	0.0085	0.0054	0.0133	0.0018	0.0049	0.0000	0.0000	0.0000	0.0000	0.0000	0.5629
60E-	0.60E-04	0.0008	0.0024	0.0291	0.2580	0.0935	0.0182	0.0052	0.0017	0.0060	0.0006	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.4172
70E-	0.70E-04	0.0000	0.0013	0.0169	0.2199	0.0713	0.0115	0.0016	0.0000	0.0031	0.0006	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.3276
85E-	0.85E-04	0.0000	0.0007	0.0092	0.1688	0.0381	0.0049	0.0001	0.0000	0.0002	0.0000	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.2232
10E-	0.10E-03	0.0000	0.0000	0.0043	0.1178	0.0200	0.0032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1452
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0650	0.0074	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0727
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0271	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0290

20E-	0.20E-03	0.0000	0.0000	0.0000	0.0149	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0155
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0040	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

YEA 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 62
VATE 0ELEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
6 16

NTIZ VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.3034	0.3468	0.5106	0.6758	0.6167	0.4456	0.4169	0.3675	0.4425	0.4693	0.5424	0.3604	0.1934	0.1616	0.2158	0.2365	6.3053
35E-	0.35E-08	0.3034	0.3468	0.5106	0.6758	0.6167	0.4456	0.4169	0.3675	0.4425	0.4693	0.5424	0.3604	0.1934	0.1616	0.2158	0.2365	6.3053
10E-	0.10E-07	0.3009	0.3431	0.5091	0.6757	0.6167	0.4451	0.4165	0.3640	0.4420	0.4673	0.5316	0.3311	0.1869	0.1532	0.2148	0.2323	6.2305
25E-	0.25E-07	0.2966	0.3297	0.5044	0.6726	0.6072	0.4397	0.4051	0.3474	0.4231	0.4308	0.5041	0.2936	0.1810	0.1487	0.2094	0.2288	6.0222
70E-	0.70E-07	0.2896	0.3223	0.5011	0.6702	0.6026	0.4211	0.3981	0.3436	0.4111	0.4092	0.4532	0.2606	0.1574	0.1341	0.1976	0.2162	5.7879
10E-	0.10E-06	0.2735	0.3178	0.5005	0.6688	0.6014	0.4208	0.3949	0.3421	0.4059	0.4000	0.4317	0.2325	0.1337	0.1097	0.1727	0.1910	5.5971
15E-	0.15E-06	0.2501	0.3043	0.4936	0.6643	0.5954	0.4042	0.3865	0.3339	0.3921	0.3810	0.3810	0.1827	0.1006	0.0737	0.1444	0.1569	5.2448
22E-	0.22E-06	0.2016	0.2790	0.4724	0.6580	0.5862	0.3893	0.3732	0.3113	0.3578	0.3322	0.3138	0.1378	0.0698	0.0437	0.1122	0.1227	4.7609
32E-	0.32E-06	0.1481	0.2347	0.4394	0.6372	0.5643	0.3549	0.3398	0.2745	0.3101	0.2773	0.2528	0.0827	0.0399	0.0231	0.0681	0.0842	4.1310
48E-	0.48E-06	0.0752	0.1781	0.3790	0.6028	0.5023	0.2929	0.2702	0.2316	0.2351	0.2035	0.1541	0.0383	0.0118	0.0101	0.0304	0.0453	3.2608
70E-	0.70E-06	0.0375	0.1180	0.2886	0.5657	0.4228	0.2298	0.1938	0.1601	0.1674	0.1203	0.0750	0.0098	0.0024	0.0008	0.0122	0.0243	2.4284
10E-	0.10E-05	0.0155	0.0665	0.1846	0.4879	0.3138	0.1372	0.1045	0.0806	0.0999	0.0577	0.0287	0.0018	0.0000	0.0000	0.0022	0.0070	1.5881
15E-	0.15E-05	0.0020	0.0210	0.0903	0.4054	0.2152	0.0808	0.0446	0.0320	0.0406	0.0185	0.0094	0.0000	0.0000	0.0000	0.0000	0.0014	0.9611
20E-	0.20E-05	0.0008	0.0060	0.0526	0.3269	0.1351	0.0419	0.0117	0.0102	0.0163	0.0051	0.0054	0.0000	0.0000	0.0000	0.0000	0.0000	0.6120
30E-	0.30E-05	0.0000	0.0011	0.0160	0.2130	0.0647	0.0092	0.0021	0.0015	0.0029	0.0000	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.3120
40E-	0.40E-05	0.0000	0.0000	0.0047	0.1294	0.0232	0.0032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1605
50E-	0.50E-05	0.0000	0.0000	0.0000	0.0707	0.0099	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0823
70E-	0.70E-05	0.0000	0.0000	0.0000	0.0207	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0216
85E-	0.85E-05	0.0000	0.0000	0.0000	0.0097	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0102
10E-	0.10E-04	0.0000	0.0000	0.0000	0.0034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0034
15E-	0.15E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
40E-	0.40E-02																		

YE/ 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 63

UND 0GROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABII PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

2 72

NTI: VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.7153	0.7898	0.9541	0.9891	0.9772	0.9249	0.9014	0.8453	0.9188	0.8960	0.9533	0.8218	0.5958	0.4911	0.5770	0.6452	12.9963
35E-	0.35E-08	0.7153	0.7898	0.9403	0.9817	0.9683	0.9249	0.9014	0.8453	0.9188	0.8960	0.9533	0.8218	0.5958	0.4911	0.5770	0.6452	12.9662
10E-	0.10E-07	0.7153	0.7898	0.9403	0.9817	0.9683	0.9249	0.9014	0.8453	0.9188	0.8960	0.9533	0.8218	0.5958	0.4911	0.5770	0.6452	12.9662
25E-	0.25E-07	0.7153	0.7898	0.9403	0.9817	0.9683	0.9249	0.9014	0.8453	0.9188	0.8960	0.9533	0.8218	0.5958	0.4911	0.5770	0.6452	12.9662
70E-	0.70E-07	0.7153	0.7898	0.9403	0.9817	0.9683	0.9249	0.9014	0.8453	0.9188	0.8960	0.9533	0.8159	0.5958	0.4911	0.5770	0.6452	12.9603
10E-	0.10E-06	0.7153	0.7898	0.9403	0.9817	0.9683	0.9249	0.9014	0.8453	0.9188	0.8959	0.9532	0.8145	0.5941	0.4911	0.5770	0.6452	12.9570
15E-	0.15E-06	0.7153	0.7861	0.9403	0.9817	0.9683	0.9249	0.9014	0.8428	0.9109	0.8959	0.9512	0.8012	0.5845	0.4746	0.5770	0.6451	12.9013
22E-	0.22E-06	0.7153	0.7858	0.9403	0.9817	0.9683	0.9249	0.8982	0.8414	0.9109	0.8932	0.9500	0.7852	0.5844	0.4663	0.5770	0.6450	12.8679
32E-	0.32E-06	0.7147	0.7746	0.9403	0.9817	0.9683	0.9211	0.8962	0.8398	0.9083	0.8797	0.9492	0.7669	0.5724	0.4479	0.5611	0.6275	12.7498
48E-	0.48E-06	0.7124	0.7692	0.9403	0.9815	0.9683	0.9211	0.8962	0.8302	0.8902	0.8632	0.9399	0.7311	0.5255	0.4230	0.5390	0.6011	12.5320
70E-	0.70E-06	0.6797	0.7640	0.9403	0.9815	0.9676	0.9141	0.8868	0.8189	0.8775	0.8615	0.9174	0.6871	0.4776	0.3502	0.5110	0.5552	12.1905
10E-	0.10E-05	0.6527	0.7521	0.9336	0.9806	0.9676	0.9062	0.8825	0.8080	0.8681	0.8269	0.8921	0.6095	0.3775	0.2825	0.4591	0.4780	11.6770
15E-	0.15E-05	0.5819	0.7204	0.9227	0.9793	0.9622	0.8968	0.8538	0.7775	0.8474	0.7873	0.8487	0.5006	0.2409	0.1907	0.3657	0.4103	10.8862
20E-	0.20E-05	0.5392	0.6741	0.9156	0.9785	0.9538	0.8638	0.8213	0.7359	0.7996	0.7594	0.8086	0.4128	0.1746	0.1317	0.3138	0.3514	10.2341
30E-	0.30E-05	0.4209	0.5770	0.8865	0.9707	0.9362	0.8088	0.7576	0.6922	0.7022	0.6896	0.6785	0.2761	0.0851	0.0637	0.2171	0.2430	9.0051
40E-	0.40E-05	0.2976	0.4811	0.8191	0.9631	0.9196	0.7342	0.6805	0.6164	0.6019	0.5917	0.5448	0.1631	0.0465	0.0252	0.1318	0.1702	7.7868
50E-	0.50E-05	0.2273	0.4255	0.7345	0.9408	0.9034	0.6708	0.6276	0.5252	0.5209	0.5166	0.4458	0.0960	0.0259	0.0107	0.0742	0.1032	6.8483
70E-	0.70E-05	0.1109	0.2828	0.6571	0.9192	0.8446	0.5561	0.5037	0.3826	0.4092	0.3546	0.2571	0.0362	0.0064	0.0000	0.0368	0.0515	5.4088
85E-	0.85E-05	0.0666	0.2127	0.5856	0.9105	0.7981	0.4617	0.4043	0.2860	0.3423	0.2668	0.1882	0.0131	0.0026	0.0000	0.0090	0.0256	4.5733
10E-	0.10E-04	0.0261	0.1684	0.5235	0.8919	0.7256	0.3951	0.3185	0.2175	0.2801	0.2035	0.1165	0.0037	0.0000	0.0000	0.0056	0.0093	3.8853
15E-	0.15E-04	0.0061	0.0705	0.3315	0.8136	0.5882	0.2177	0.1030	0.0756	0.1372	0.0415	0.0427	0.0000	0.0000	0.0000	0.0000	0.0000	2.4276
20E-	0.20E-04	0.0000	0.0192	0.1749	0.7232	0.4553	0.0926	0.0263	0.0209	0.0535	0.0084	0.0161	0.0000	0.0000	0.0000	0.0000	0.0000	1.5904
25E-	0.25E-04	0.0000	0.0046	0.0906	0.6567	0.3423	0.0577	0.0070	0.0057	0.0193	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1847
30E-	0.30E-04	0.0000	0.0018	0.0486	0.5810	0.2252	0.0287	0.0000	0.0018	0.0054	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.8926
35E-	0.35E-04	0.0000	0.0000	0.0262	0.5204	0.1552	0.0135	0.0000	0.0000	0.0030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.7183
40E-	0.40E-04	0.0000	0.0000	0.0118	0.4454	0.1035	0.0075	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5682
50E-	0.50E-04	0.0000	0.0000	0.0003	0.3105	0.0385	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3494
60E-	0.60E-04	0.0000	0.0000	0.0000	0.2115	0.0182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2296
70E-	0.70E-04	0.0000	0.0000	0.0000	0.1418	0.0068	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1486
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0892	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0919
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0521	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0532
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0071	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0071
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

15E-(	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.0E-(	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
.4E-(	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
20E-(	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
10E-(	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
10E-(	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
10E-(	0.40E-02																		

YEA 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 64
/ATE 0ELEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
\BIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
2 72

VTIZ /EL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.7153	0.7898	0.9403	0.9817	0.9683	0.9249	0.9014	0.8453	0.9188	0.8960	0.9533	0.8218	0.5958	0.4911	0.5770	0.6452	12.9662
35E-	0.35E-08	0.7152	0.7853	0.9403	0.9817	0.9683	0.9249	0.8991	0.8330	0.9034	0.8849	0.9499	0.7808	0.5843	0.4629	0.5649	0.6282	12.8070
10E-	0.10E-07	0.6996	0.7705	0.9403	0.9817	0.9683	0.9161	0.8867	0.8174	0.8918	0.8582	0.9443	0.7263	0.5665	0.4426	0.5646	0.6052	12.5802
25E-	0.25E-07	0.6832	0.7639	0.9403	0.9815	0.9676	0.9066	0.8848	0.8166	0.8770	0.8365	0.9126	0.6488	0.4600	0.3472	0.5066	0.5537	12.0867
70E-	0.70E-07	0.5499	0.6876	0.9204	0.9786	0.9583	0.8659	0.8259	0.7369	0.8020	0.7626	0.8095	0.4189	0.2000	0.1439	0.3315	0.3694	10.3612
10E-	0.10E-06	0.4435	0.6348	0.9054	0.9731	0.9428	0.8314	0.7951	0.7269	0.7402	0.7188	0.6891	0.2950	0.1142	-0.1017	0.2295	0.2916	9.4331
15E-	0.15E-06	0.3132	0.5125	0.8468	0.9639	0.9242	0.7636	0.7137	0.6353	0.6305	0.6074	0.5363	0.1623	0.0535	0.0421	0.1310	0.1756	8.0120
22E-	0.22E-06	0.1919	0.3910	0.7254	0.9396	0.8863	0.6524	0.5966	0.5062	0.4903	0.4763	0.3488	0.0649	0.0176	0.0049	0.0532	0.0806	6.4261
32E-	0.32E-06	0.0781	0.2394	0.6207	0.9144	0.8187	0.5052	0.4706	0.3459	0.3841	0.3068	0.2041	0.0161	0.0025	0.0000	0.0103	0.0287	4.9457
48E-	0.48E-06	0.0120	0.1251	0.4661	0.8747	0.6808	0.3279	0.2238	0.1649	0.2436	0.1211	0.0816	0.0000	0.0000	0.0000	0.0016	0.0043	3.3273
70E-	0.70E-06	0.0000	0.0378	0.2455	0.7894	0.5460	0.1738	0.0760	0.0477	0.0975	0.0222	0.0225	0.0000	0.0000	0.0000	0.0000	0.0000	2.0585
10E-	0.10E-05	0.0000	0.0057	0.1057	0.6705	0.3697	0.0586	0.0101	0.0098	0.0232	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.2562
15E-	0.15E-05	0.0000	0.0000	0.0159	0.4993	0.1472	0.0115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6739
20E-	0.20E-05	0.0000	0.0000	0.0003	0.3260	0.0450	0.0043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3756
30E-	0.30E-05	0.0000	0.0000	0.0000	0.1159	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1220
40E-	0.40E-05	0.0000	0.0000	0.0000	0.0451	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0462
50E-	0.50E-05	0.0000	0.0000	0.0000	0.0060	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060
70E-	0.70E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
95E-	0.85E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15E-	0.15E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
40E-	0.40E-02																		

YE/ 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 65

UND OGROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

AHII PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

4 624

NTI: VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
35E-	0.35E-08	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
25E-	0.25E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
70E-	0.70E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9957	1.0000	15.9957	
10E-	0.10E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9853	1.0000	15.9853	
15E-	0.15E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9515	0.9974	15.9488	
22E-	0.22E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9385	0.9971	15.9356	
32E-	0.32E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9918	0.8848	0.9953	15.8719	
48E-	0.48E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9974	0.9301	0.7383	0.9148	15.9454	
70E-	0.70E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9991	1.0000	0.9693	0.6947	0.5169	0.8720	14.9420	
10E-	0.10E-05	0.9991	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9831	1.0000	0.9236	0.3721	0.2112	0.7415	14.0491	
15E-	0.15E-05	0.9662	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9690	1.0000	0.7694	0.1810	0.0750	0.4945	13.1103	
20E-	0.20E-05	0.7848	0.9921	1.0000	1.0000	1.0000	1.0000	1.0000	0.9992	1.0000	0.9553	1.0000	0.4541	0.0950	0.0133	0.2847	12.0369	
30E-	0.30E-05	0.4738	0.9561	0.9976	1.0000	1.0000	1.0000	1.0000	0.9448	0.9514	0.9418	1.0000	0.1628	0.0172	0.0000	0.0733	10.6395	
40E-	0.40E-05	0.1529	0.8199	0.9822	1.0000	1.0000	0.9992	1.0000	0.8811	0.8574	0.9181	0.8612	0.0045	0.0000	0.0000	0.0000	0.0083	9.4848
50E-	0.50E-05	0.0361	0.5749	0.9709	1.0000	1.0000	0.9615	0.9994	0.7407	0.7594	0.7569	0.5476	0.0000	0.0000	0.0000	0.0000	0.0000	8.3474
70E-	0.70E-05	0.0000	0.1081	0.9378	1.0000	1.0000	0.7694	0.5647	0.3549	0.5278	0.2523	0.1404	0.0000	0.0000	0.0000	0.0000	0.0000	5.6555
85E-	0.85E-05	0.0000	0.0189	0.8732	1.0000	0.9862	0.5941	0.2816	0.1142	0.3239	0.0436	0.0329	0.0000	0.0000	0.0000	0.0000	0.0000	4.2685
10E-	0.10E-04	0.0000	0.0000	0.7552	1.0000	0.9534	0.4662	0.1202	0.0345	0.1993	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.5291
15E-	0.15E-04	0.0000	0.0000	0.1712	0.9978	0.8338	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0225
20E-	0.20E-04	0.0000	0.0000	0.0335	0.9127	0.5547	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.5009
25E-	0.25E-04	0.0000	0.0000	0.0000	0.8144	0.2717	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0861
30E	0.30E-04	0.0000	0.0000	0.0000	0.7294	0.0545	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.7839
35E-	0.35E-04	0.0000	0.0000	0.0000	0.6565	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6592
40E-	0.40E-04	0.0000	0.0000	0.0000	0.5774	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5774
50E-	0.50E-04	0.0000	0.0000	0.0000	0.3111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3111
60E-	0.60E-04	0.0000	0.0000	0.0000	0.0474	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0474
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0034
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

. YE 1PPL YEAR 2001 DT 60-10A 8-NOV-04••• PAGE 66

:VATI ELEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABII PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
:4 624

NTI:	QUANTIZED																	
:VEL	LEVEL		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000
10E-	0.10E-09	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000
35E-	0.35E-08	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9530	1.0000	1.0000	15.9530
10E	0.10E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9917	0.8858	0.9953	1.0000	15.8728
25E-	0.25E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9425	0.6896	0.5309	0.8855	0.8967	14.9453
70E-	0.70E-07	0.8268	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998	1.0000	0.9626	1.0000	0.4943	0.1144	0.0601	0.3172	0.5113	12.2865
10E-	0.10E-06	0.6351	0.9875	1.0000	1.0000	1.0000	1.0000	1.0000	0.9672	0.9819	0.9541	1.0000	0.2448	0.0250	0.0000	0.1301	0.2286	11.1543
15E-	0.15E-06	0.2070	0.8836	0.9847	1.0000	1.0000	1.0000	1.0000	0.8971	0.8850	0.9253	0.8247	0.0098	0.0000	0.0000	0.0031	0.0220	9.6422
22E-	0.22E-06	0.0140	0.4422	0.9703	1.0000	1.0000	0.9602	0.9583	0.6947	0.7129	0.6349	0.3732	0.0000	0.0000	0.0000	0.0000	0.0000	7.7606
32E-	0.32E-06	0.0000	0.0346	0.9235	1.0000	1.0000	0.6799	0.3951	0.2423	0.4240	0.1462	0.0534	0.0000	0.0000	0.0000	0.0000	0.0000	4.8989
48E-	0.48E-06	0.0000	0.0000	0.5677	1.0000	0.9368	0.3329	0.0335	0.0016	0.1064	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.9788
70E-	0.70E-06	0.0000	0.0000	0.0866	0.9824	0.7579	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.8269
10E-	0.10E-05	0.0000	0.0000	0.0000	0.8299	0.3383	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1682
15E-	0.15E-05	0.0000	0.0000	0.0000	0.6284	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6284
20E-	0.20E-05	0.0000	0.0000	0.0000	0.3414	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3414
30E-	0.30E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15E-	0.15E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

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*********************************************
*                                           *
*   PPL YEAR 2002 DT 60-10A                 *
*                                           *
*   REQUEST NUMBER BS#0411-01               *
*                                           *
*   PERIOD OF RECORD   2 1 1 1 0 TO  2123124 0 *
*                                           *
*   COMPUTER RUN OF   8-NOV-04***           *
*                                           *
*   TAPE 3 SAVE FILE  FILE3NAME             *
*                                           *
*********************************************
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*********************************************
*                                           *
*   PPL YEAR 2002 DT 60-10A                 *
*                                           *
*   REQUEST NUMBER BS#0411-01               *
*                                           *
*   PERIOD OF RECORD   2 1 1 1 0 TO  2123124 0 *
*                                           *
*   COMPUTER RUN OF   8-NOV-04***           *
*                                           *
*   TAPE 3 SAVE FILE  FILE3NAME             *
*                                           *
*********************************************
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, YE    1PPL YEAR 2002 DT 60-10A          8-NOV-04***                                    PAGE     1
UTI     0DILUTION PROCESSING SELECTED

NDOW     WINDOW OPTION SELECTED
TS O     NRTS OPTION IS  0   DISTANCE EXPONENTS FOR SIGMA Y      0.00      0.00
EVAT    0ELEVATER X/Q COMPUTED FOR PEAK BEYOND DISTANCE READ IN
 PLU    0NO PLUME RISE SELECTED
ED      0SPEED LESS THAN  0.0 USE ELEVATED EQUATIONS FOR GROUND COMPUTATION
ANCH    0BRANCH TECNICAL POSITION PROCESSING FOR MEANDER SELECTED
 HO     0FOR HORIZONTAL DIFFUSION
QUI      PASQUILL DIFFUSION SELECTED
 VE     0FOR VERTICAL DIFFUSION
QUI      PASQUILL DIFFUSION SELECTED
MS      0CALMS PROCESSING ----    2
ALM       CALM      SPEED      DIRECTION     DIFFUSION     SPEED GROUP    FACTOR
 1          1       CARDS        CALM HR       CARDS         CARDS        YES
```

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 2          2       CARDS          CALM HR        CALM HR        CARDS        NO
 3          3   NON CALM HR   NON CALM HR    NON CALM HR    NON CALM HR     NO
 4          4       CARDS      NON CALM HR       CARDS          CARDS        YES
 5          5       CARDS      NON CALM HR       CALM HR        CARDS        NO

ENTEI    0 CENTERLINE, AVERAGE CUT OFF AT   8 HOURS
, YE:    1PPL YEAR 2002 DT 60-10A            8-NOV-04***                                    PAGE      2
INDO     0 WINDOW LENGTHS SELECTED
            1          2          8         16         72        624
EDS      0SPEEDS EXCLUDED LT     0
UP :     0GROUP SPEED UPPER LIMIT
 1          1        0.5
 2          2        3.5
 3          3        7.5
 4          4       12.5
 5          5      999.0

UP 1     0GROUP UPPER TEMPERATURE LIMIT
 1          1        -10
 2          2         -9
 3          3         -8
 4          4         -3
 5          5          8
 6          6         24
 7          7         24+
UP 1     0GROUP RANGE UPPER LIMIT
 7          7         12
 6          6         22
 5          5         45
 4          4         75
 3          3        105
 2          2        135
 1          1        360
UP :     0GROUP S UPPER LIMITS
 7          7        0.0
 6          6        0.0
 5          5        0.0
 4          4        0.0
 3          3        0.0
 2          2        0.0
 1 (        1 GT     0.0
ME S(     SITE SQ
 SE:      MET SELECTION
ED        SPEED          1
ECT:      DIRECTION      1
TE :      DELTE TEMP     1
 BU:      DRY BULB       1
 PO:      DEW POINT
, YE:    1PPL YEAR 2002 DT 60-10A            8-NOV-04***                                    PAGE      3


                                    PASQUILL GROUPS
ND GI     WIND GROUP                  TEMPERATURE GROUP
                          A          B          C          D          E          F          G
             1            1          2          3          4          5          6          7
             2            1          2          3          4          5          6          7
             3            1          2          3          4          5          6          7
             4            1          2          3          4          5          6          7
             5            1          2          3          4          5          6          7
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NTI:    QUANTIZATION LEVELS
).10    0.100000E-09  0.350000E-08  0.100000E-07  0.250000E-07  0.700000E-07  0.100000E-06  0.150000E-06
).22    0.220000E-06  0.320000E-06  0.480000E-06  0.700000E-06  0.100000E-05  0.150000E-05  0.200000E-05
).30    0.300000E-05  0.400000E-05  0.500000E-05  0.700000E-05  0.850000E-05  0.100000E-04  0.150000E-04
).20    0.200000E-04  0.250000E-04  0.300000E-04  0.350000E-04  0.400000E-04  0.500000E-04  0.600000E-04
).70    0.700000E-04  0.850000E-04  0.100000E-03  0.130000E-03  0.170000E-03  0.200000E-03  0.250000E-03
).30    0.300000E-03  0.350000E-03  0.400000E-03  0.500000E-03  0.600000E-03  0.700000E-03  0.850000E-03
).10    0.100000E-02  0.140000E-02  0.200000E-02  0.300000E-02  0.400000E-02
UPP.  0   UPPER HEIGHT   LOWER HEIGHT   EXPONENTS FOR SPEED CORRECTION      EXPONENTS FOR RANGE CORRECTION
            33.0          33.0 0.250 0.250 0.250 0.330 0.500 0.500 0.500      0.000 0.000 0.000 0.000 0.000 0.000 0.000
ONE   0EXPONENTIAL SPEED CORRECTION TO BE PERFORMED
QUI    PASQUILL DIFFUSION GROUPS USED AS EXPONENT SELECTOR
TA    0DELTA TEMPERATURE CORRECTION =    0.100000E+01
ILD   0 BUILDING WAKE LIMIT ON X/Q SET TO 1/3
MA    SIGMA REDUCTION FACTORS 1.00 1.00
IGA   0FUMIGATION OFF
. YE  1PPL YEAR 2002 DT 60-10A          8-NOV-04***                                                    PAGE    4
IZO    HORIZONTAL DIFFUSION COEFFICIENTS GROUND RELEASE(SIGY, NO DELTA DISTANCE)
        N     0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        NNE   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        NE    0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        ENE   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        E     0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        ESE   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        SE    0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        SSE   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        S     0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        SSW   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        SW    0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        WSW   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        W     0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        WNW   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        NW    0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
        NNW   0.117820E+03  0.868600E+02  0.629000E+02  0.423320E+02  0.309460E+02  0.219600E+02  0.144800E+02  0.544100E+02
TIC.   0VERTICAL DIFFUSION COEFFICIENTS(LE.  8) GROUND RELEASE(SIG24, NO DELTA DISTANCE)
        N     0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        NNE   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        NE    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        ENE   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        E     0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        ESE   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        SE    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        SSE   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        S     0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        SSW   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        SW    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        WSW   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        W     0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        WNW   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        NW    0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
        NNW   0.144500E+03  0.618600E+02  0.374340E+02  0.204700E+02  0.140800E+02  0.898600E+01  0.579200E+01  0.299500E+02
TIC    0VERTICAL DIFFUSION COEFFICIENTS(GT.  8) GROUND RELEASE(SIGAV, WITH DELTA DISTANCE)
        N     0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
        NNE   0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
        NE    0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
        ENE   0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
        E     0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
        ESE   0.146469E+03  0.663296E+02  0.444327E+02  0.314957E+02  0.243866E+02  0.155638E+02  0.100317E+02  0.383401E+02
```

SE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SSE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
S	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SSW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
WSW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
W	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
WNW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
NW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
NNW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 5

IZON 0HORIZONTAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(SIYEL, NO DELTA DISTANCE)

N	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NNE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
ENE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
E	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
ESE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
SE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
SSE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
S	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
SSW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
SW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
WSW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
W	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
WNW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NNW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03

TICA 0VERTICAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(SIZEL, NO DELTA DISTANCE)

N	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
NNE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
NE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
ENE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
E	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
ESE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
SE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
SSE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
S	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
SSW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
SW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
WSW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
W	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
WNW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
NW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
NNW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03

TICA 0VERTICAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(GT. 8) GROUND RELEASE(SIZAV, WITH DELTA DISTANCE)

N	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
NNE	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
NE	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
ENE	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
E	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
ESE	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
SE	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
SSE	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
S	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
SSW	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
SW	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
WSW	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
W	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
WNW	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03

NW	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03
NNW	0.100029E+04	0.100029E+04	0.253348E+03	0.957899E+02	0.633150E+02	0.395476E+02	0.318873E+02	0.158017E+03

YRA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 6

TA D DELTA DISTANCE

0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00

E: T NOTE: THE FOLLOWING DISTANCES ARE ENTERED IN WIND
C GROUPS FROM - NOT TOWARDS, E.G. GROUP 1 IS FROM N WHERE
D DISTANCE IS THE VALUE FROM PLANT TO SOUTH BOUNDARY

UND GROUND RELEASE DISTANCE ELEVATED RELEASE DISTANCE

N	549.0	4827.0
NNE	549.0	4827.0
NE	549.0	4827.0
ENE	549.0	4827.0
E	549.0	4827.0
ESE	549.0	4827.0
SE	549.0	4827.0
SSE	549.0	4827.0
S	549.0	4827.0
SSW	549.0	4827.0
SW	549.0	4827.0
WSW	549.0	4827.0
W	549.0	4827.0
WNW	549.0	4827.0
NW	549.0	4827.0
NNW	549.0	4827.0

LDIN BUILDING WAKE EFFECTS,C = 0.500 A = 2685.000 EFFECTIVE STACK HEIGHT 0.0
CAL FOR CALMS ISPG = 1 KWRGY = 0 KWRGZ = 0 FIXED SPEED = 0.4
IGMS SIGMS Y GROUP FACTOR = 1.00SIGMA Z GROUP FACTOR = 1.00DELTA HEIGHT =164.0
IMUM MINIMUM NON ZERO SPEED = 0.8
JUST ADJUSTED STACK HEIGHT PARAMETERS C = 0.00 VS = 0.00 DIAMETER = 0.00 RELEASE RATE = 0.0000E+00
IGHT HEIGHT OF CONTAINMENT= 60.0
VAL MAX VALUE OF SIGMA= 1000.0
rain terrain factor for plume height adjustment 0.00

YEP 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 7

E	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
1 1	2 1 1 1 0	-2	5	3.3	2	214	SW	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0					
1 1	2 1 1 2 0	-3	4	3.5	2	243	WSW	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0					
1 1	2 1 1 3 0	-3	4	2.4	2	130	SE	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0					
1 1	2 1 1 4 0	-4	4	2.5	2	119	ESE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0					
1 1	2 1 1 5 0	-1	5	2.3	2	131	SE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0					
1 1	2 1 1 6 0	-3	4	3.2	2	126	SE	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0					
1 1	2 1 1 7 0	-3	4	3.5	2	131	SE	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0					
1 1	2 1 1 8 0	-3	4	1.9	2	144	SE	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0					
1 1	2 1 1 9 0	-3	4	2.4	2	160	SSE	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0					
1 11	2 1 110 0	-4	4	3.5	2	172	S	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0					
1 11	2 1 111 0	-7	4	7.2	3	241	WSW	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0					
1 11	2 1 112 0	-9	2	6.3	3	254	WSW	0	0	360	2	2	0.00	1	0.194846E-04	0.197935E-04	0.179492E-06	0.149280E-06	0.	0.0					
1 11	2 1 113 0	-9	2	6.4	3	264	W	0	0	360	2	2	0.00	1	0.191802E-04	0.194842E-04	0.176687E-06	0.146947E-06	0.	0.0					
1 11	2 1 114 0	-9	2	9.1	4	265	W	0	0	360	2	2	0.00	1	0.134893E-04	0.137032E-04	0.124264E-06	0.103347E-06	0.	0.0					
1 11	2 1 115 0	-7	4	8.6	4	283	WNW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0					
1 11	2 1 116 0	-6	4	6.0	3	293	WNW	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0					
1 11	2 1 117 0	-4	4	7.9	4	324	NW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0					
1 11	2 1 118 0	-3	4	7.6	4	338	NNW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0					
1 11	2 1 119 0	-3	4	6.4	3	343	NNW	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0					
1 12	2 1 120 0	-2	5	6.5	3	352	N	0	0	360	5	5	2.06	3	0.121758E-03	0.521803E-04	0.693665E-05	0.228584E-05	0.	0.0					
1 12	2 1 121 0	-1	5	4.3	3	0	N	0	0	0	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0					
1 12	2 1 122 0	0	5	4.7	3	11	N	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0					
1 12	2 1 123 0	-3	4	6.5	3	353	N	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0					
1 12	2 1 124 0	-1	5	6.7	3	350	N	0	0	360	5	5	2.00	3	0.121758E-03	0.506227E-04	0.679801E-05	0.221760E-05	0.	0.0					

EC-ENVR-1057
Page 386

1 2	2 1 2 1 0	0 5	4.5 3	336	NNW	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
1 2	2 1 2 2 0	7 5	2.1 2	202	SSW	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1 2	2 1 2 3 0	15 6	1.8 2	64	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1 2	2 1 2 4 0	17 6	1.8 2	21	NNE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1 2	2 1 2 5 0	14 6	2.4 2	176	S	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
1 2	2 1 2 6 0	14 6	2.0 2	172	S	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
1 2	2 1 2 7 0	20 6	1.4 2	105	ESE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
1 2	2 1 2 8 0	19 6	1.9 2	59	ENE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
1 2	2 1 2 9 0	12 6	1.8 2	74	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1 2:	2 1 210 0	0 5	2.9 2	176	S	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
1 2:	2 1 211 0	-8 3	7.8 4	226	SW	0	0	360	3	3	0.00	1	0.328138E-04	0.238657E-04	0.792000E-06	0.476050E-06	0.	0.0
1 2:	2 1 212 0	-9 2	10.2 4	242	WSW	0	0	360	2	2	0.00	1	0.120346E-04	0.122254E-04	0.110863E-06	0.922021E-07	0.	0.0
1 2:	2 1 213 0	-6 4	8.1 4	313	NW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
1 2:	2 1 214 0	-7 4	6.0 3	332	NNW	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
1 2:	2 1 215 0	-9 2	7.2 3	250	WSW	0	0	360	2	2	0.00	1	0.170490E-04	0.173193E-04	0.157056E-06	0.130620E-06	0.	0.0
1 2:	2 1 216 0	-9 2	8.0 4	237	WSW	0	0	360	2	2	0.00	1	0.153441E-04	0.155874E-04	0.141350E-06	0.117558E-06	0.	0.0
1 2:	2 1 217 0	-6 4	5.6 3	236	SW	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
1 2:	2 1 218 0	0 5	2.5 2	193	SSW	0.	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
1 2:	2 1 219 0	2 5	1.7 2	153	SSE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
1 2:	2 1 220 0	0 5	1.6 2	112	ESE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 2:	2 1 221 0	4 5	2.9 2	150	SSE	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
1 2:	2 1 222 0	0 5	2.8 2	189	S	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
1 2:	2 1 223 0	-2 5	2.9 2	154	SSE	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
1 2:	2 1 224 0	14 6	1.7 2	74	ENE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1 3	2 1 3 1 0	22 6	2.0 2	137	SE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
1 3	2 1 3 2 0	25 7	2.1 2	69	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
1 3	2 1 3 3 0	23 6	2.1 2	64	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
1 3	2 1 3 4 0	26 7	2.1 2	103	ESE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
1 3	2 1 3 5 0	18 6	1.6 2	74	ENE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
1 3	2 1 3 6 0	19 6	1.8 2	83	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1 3	2 1 3 7 0	21 6	2.0 2	65	ENE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0

, YE 1PPL YEAR 2002 DT 60-10A . 8-NOV-04••• PAGE 8

'E	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ LE	8	XQ GT	8	XQ(ELEV) LE	8	XQ(ELV) GT	8	H2 TER		
1 3	2 1 3 8 0	12 6		1.8 2		100	E	0	0	360	6	6	4.00 3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1 3	2 1 3 9 0	17 6		1.7 2		81	E	0	0	360	6	6	4.00 3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1 3:	2 1 310 0	0 5		2.9 2		161	SSE	0	0	360	5	5	3.00 3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
1 3:	2 1 311 0	-4 4		3.3 2		218	SW	0	0	360	4	4	2.00 3	0.124505E-03	0.795803E-04	0.629384E-05	0.297599E-05	0.	0.0
1 3:	2 1 312 0	-6 4		4.3 3		193	SSW	0	0	360	4	4	2.00 3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
1 3:	2 1 313 0	-6 4		3.2 2		228	SW	0	0	360	4	4	2.00 3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
1 3:	2 1 314 0	-7 4		4.3 3		161	SSE	0	0	360	4	4	2.00 3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
1 3:	2 1 315 0	-6 4		3.7 3		146	SE	0	0	360	4	4	2.00 3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
1 3:	2 1 316 0	-5 4		7.6 4		3	N	0	0	360	4	4	1.43 1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
1 3:	2 1 317 0	-4 4		7.7 4		6	N	0	0	360	4	4	1.42 1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0
1 3:	2 1 318 0	-4 4		8.1 4		359	N	0	0	360	4	4	1.38 1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
1 3:	2 1 319 0	-4 4		4.8 3		1	N	0	0	360	4	4	1.91 3	0.894834E-04	0.547114E-04	0.438889E-05	0.204599E-05	0.	0.0
1 3:	2 1 320 0	-3 4		4.0 3		345	NNW	0	0	360	4	4	2.00 3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
1 3:	2 1 321 0	-2 5		5.7 3		342	NNW	0	0	360	5	5	2.35 3	0.121758E-03	0.595039E-04	0.755275E-05	0.260666E-05	0.	0.0
1 3:	2 1 322 0	0 5		3.8 3		360	N	0	0	360	5	5	3.00 3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
1 3:	2 1 323 0	6 5		3.5 2		353	N	0	0	360	5	5	3.00 3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
1 3:	2 1 324 0	26 7		2.0 2		61	ENE	0	0	360	7	7	6.00 3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
1 4	2 1 4 1 0	15 6		1.9 2		134	SE	0	0	360	6	6	4.00 3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
1 4	2 1 4 2 0	18 6		1.9 2		54	NE	0	0	360	6	6	4.00 3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
1 4	2 1 4 3 0	10 6		2.3 2		295	WNW	0	0	360	6	6	4.00 3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
1 4	2 1 4 4 0	10 6		2.2 2		215	SW	0	0	360	6	6	4.00 3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
1 4	2 1 4 5 0	3 5		3.2 2		176	S	0	0	360	5	5	3.00 3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
1 4	2 1 4 6 0	-2 5		3.8 3		263	W	0	0	360	5	5	3.00 3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
1 4	2 1 4 7 0	5 5		2.5 2		200	SSW	0	0	360	5	5	3.00 3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
1 4	2 1 4 8 0	2 5		3.0 2		204	SSW	0	0	360	5	5	3.00 3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1 4	2 1 4 9 0	-2 5		3.9 3		249	WSW	0	0	360	5	5	3.00 3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
1 4:	2 1 410 0	-3 4		2.5 2		136	SE	0	0	360	4	4	2.00 3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
1 4:	2 1 411 0	-4 4		3.1 2		182	S	0	0	360	4	4	2.00 3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0

1	41	2	1	412	0	-7	4	7.2	3	231	SW	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1	41	2	1	413	0	-7	4	12.3	4	235	SW	0	0	360	4	4	1.06	1	0.447406E-04	0.213508E-04	0.198623E-05	0.798437E-06	0.	0.0
1	41	2	1	414	0	-7	4	10.4	4	245	WSW	0	0	360	4	4	1.17	1	0.529144E-04	0.252514E-04	0.230604E-05	0.944305E-06	0.	0.0
1	41	2	1	415	0	-7	4	12.6	5	238	WSW	0	0	360	4	4	1.04	1	0.436754E-04	0.208424E-04	0.193894E-05	0.779427E-06	0.	0.0
1	41	2	1	416	0	-6	4	9.6	4	224	SW	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
1	41	2	1	417	0	-4	4	9.4	4	222	SW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
1	41	2	1	418	0	-3	4	8.6	4	220	SW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
1	41	2	1	419	0	-3	4	7.0	3	208	SSW	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
1	42	2	1	420	0	-3	4	7.8	4	216	SW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
1	42	2	1	421	0	-3	4	7.8	4	213	SSW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
1	42	2	1	422	0	-4	4	7.2	3	220	SW	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1	42	2	1	423	0	-4	4	7.2	3	220	SW	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1	42	2	1	424	0	-3	4	9.3	4	230	SW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0
1	5	2	1	5	1	0	-3	4	6.9	3	213	SSW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
1	5	2	1	5	2	0	-2	5	4.4	3	206	SSW	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
1	5	2	1	5	3	0	0	5	2.4	2	181	S	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
1	5	2	1	5	4	0	-1	5	3.9	3	194	SSW	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
1	5	2	1	5	5	0	-3	4	5.3	3	205	SSW	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
1	5	2	1	5	6	0	-3	4	4.5	3	197	SSW	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
1	5	2	1	5	7	0	-2	5	7.4	3	220	SW	0	0	360	5	5	1.81	1	0.111488E-03	0.458340E-04	0.635358E-05	0.200783E-05	0.	0.0
1	5	2	1	5	8	0	-1	5	7.3	3	219	SW	0	0	360	5	5	1.84	1	0.113015E-03	0.464619E-04	0.641348E-05	0.203533E-05	0.	0.0
1	5	2	1	5	9	0	-3	4	5.1	3	209	SSW	0	0	360	4	4	1.84	3	0.875033E-04	0.514931E-04	0.418013E-05	0.192564E-05	0.	0.0
1	51	2	1	510	0	-6	4	6.3	3	214	SW	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
1	51	2	1	511	0	-6	4	8.3	4	226	SW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
1	51	2	1	512	0	-7	4	8.9	4	235	SW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
1	51	2	1	513	0	-9	2	10.5	4	218	SW	0	0	360	2	2	0.00	1	0.116908E-04	0.118761E-04	0.107695E-06	0.895678E-07	0.	0.0
1	51	2	1	514	0	-8	3	11.1	4	232	SW	0	0	360	3	3	0.00	1	0.230583E-04	0.167705E-04	0.556541E-06	0.334522E-06	0.	0.0

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04*** PAGE 9

E		ODATE			TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ LE 8	XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	HZ TER	
1	51	2	1	515	0	-6	4	9.4	4	224	SW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
1	51	2	1	516	0	-5	4	6.9	3	214	SW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
1	51	2	1	517	0	0	5	4.8	3	205	SSW	0	0	360	5	5	2.80	3	0.121758E-03	0.706608E-04	0.839120E-05	0.309540E-05	0.	0.0
1	51	2	1	518	0	6	5	3.0	2	199	SSW	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1	51	2	1	519	0	9	6	2.6	2	201	SSW	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0
1	52	2	1	520	0	12	6	1.8	2	151	SSE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1	52	2	1	521	0	12	6	1.5	2	10	N	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
1	52	2	1	522	0	14	6	1.6	2	50	NE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
1	52	2	1	523	0	20	6	1.7	2	58	ENE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1	52	2	1	524	0	18	6	1.8	2	57	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1	6	2	1	6	1	0	18	6	1.7	2	72	ENE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1	6	2	1	6	2	0	16	6	2.0	2	71	ENE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
1	6	2	1	6	3	0	23	6	2.1	2	65	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
1	6	2	1	6	4	0	21	6	1.8	2	72	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1	6	2	1	6	5	0	30	7	2.4	2	60	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
1	6	2	1	6	6	0	34	7	2.4	2	65	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
1	6	2	1	6	7	0	29	7	2.4	2	68	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
1	6	2	1	6	8	0	29	7	2.4	2	67	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
1	6	2	1	6	9	0	28	7	2.6	2	67	ENE	0	0	360	7	7	6.00	3	0.544199E-03	0.317118E-03	0.637007E-04	0.113468E-04	0.	0.0
1	61	2	1	610	0	19	6	2.8	2	68	ENE	0	0	360	6	6	4.00	3	0.322165E-03	0.189801E-03	0.328155E-04	0.849547E-05	0.	0.0
1	61	2	1	611	0	11	6	1.8	2	103	ESE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1	61	2	1	612	0	3	5	2.0	2	131	SE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
1	61	2	1	613	0	4	5	2.7	2	33	NNE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1	61	2	1	614	0	2	5	2.6	2	64	ENE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
1	61	2	1	615	0	-1	5	4.8	3	233	SW	0	0	360	5	5	2.80	3	0.121758E-03	0.706608E-04	0.839120E-05	0.309540E-05	0.	0.0
1	61	2	1	616	0	-3	4	8.7	4	359	N	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0
1	61	2	1	617	0	-1	5	5.2	3	30	NNE	0	0	360	5	5	2.58	3	0.121758E-03	0.652254E-04	0.799665E-05	0.285730E-05	0.	0.0
1	61	2	1	618	0	-2	5	6.5	3	30	NNE	0	0	360	5	5	2.06	3	0.121758E-03	0.521803E-04	0.693665E-05	0.228584E-05	0.	0.0
1	61	2	1	619	0	-2	5	6.2	3	29	NNE	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0
1	62	2	1	620	0	-2	5	5.7	3	24	NNE	0	0	360	5	5	2.35	3	0.121758E-03	0.595039E-04	0.755275E-05	0.260666E-05	0.	0.0
1	62	2	1	621	0	-1	5	2.8	2	47	NE	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
1	62	2	1	622	0	0	5	2.3	2	37	NE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0

1 6:	2 1 623	0	0	5	2.3	2	14	NNE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1 6:	2 1 624	0	2	5	1.9	2	251	WSW	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
1 7	2 1 7 1	0	3	5	1.1	2	201	SSW	0	0	360	5	5	3.00	3	0.495201E-03	0.308338E-03	0.355585E-04	0.135072E-04	0.	0.0
1 7	2 1 7 2	0	1	5	1.6	2	44	NE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 7	2 1 7 3	0	1	5	2.4	2	36	NE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
1 7	2 1 7 4	0	0	5	2.5	2	319	NW	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
1 7	2 1 7 5	0	0	5	1.3	2	284	WNW	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
1 7	2 1 7 6	0	0	5	2.8	2	252	WSW	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
1 7	2 1 7 7	0	-1	5	2.3	2	313	NW	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1 7	2 1 7 8	0	0	5	1.9	2	278	W	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
1 7	2 1 7 9	0	0	5	1.0	2	79	E	0	0	360	5	5	3.00	3	0.544721E-03	0.339172E-03	0.391144E-04	0.148579E-04	0.	0.0
1 7:	2 1 710	0	-1	5	4.4	3	19	NNE	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
1 7:	2 1 711	0	-1	5	5.9	3	19	NNE	0	0	360	5	5	2.27	3	0.121758E-03	0.574868E-04	0.738868E-05	0.251830E-05	0.	0.0
1 7:	2 1 712	0	-2	5	3.2	2	29	NNE	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
1 7:	2 1 713	0	-3	4	6.0	3	359	N	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
1 7:	2 1 714	0	-4	4	8.1	4	352	N	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
1 7:	2 1 715	0	-4	4	10.1	4	355	N	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
1 7:	2 1 716	0	-4	4	9.7	4	349	N	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
1 7:	2 1 717	0	-4	4	10.1	4	342	NNW	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
1 7:	2 1 718	0	-4	4	10.6	4	337	NNW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
1 7:	2 1 719	0	-4	4	11.6	4	338	NNW	0	0	360	4	4	1.10	1	0.474405E-04	0.226392E-04	0.209824E-05	0.846619E-06	0.	0.0
1 7:	2 1 720	0	-4	4	10.0	4	342	NNW	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0
1 7:	2 1 721	0	-4	4	9.8	4	331	NNW	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0

. YEJ 1PPI. YEAR 2002 LT 60-10A 8-NOV-04--- PAGE 10

'E	0DATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	OT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
1 7:	2 1 722	0	-4	4	9.0	4	334	NNW	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
1 7:	2 1 723	0	-4	4	10.9	4	322	NW	0	0	360	4	4	1.14	1	0.504871E-04	0.240931E-04	0.221449E-05	0.900989E-06	0.	0.0
1 7:	2 1 724	0	-4	4	8.5	4	343	NNW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
1 8	2 1 8 1	0	-3	4	4.1	3	348	NNW	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
1 8	2 1 8 2	0	-1	5	3.4	2	318	NW	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
1 8	2 1 8 3	0	0	5	4.4	3	331	NNW	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
1 8	2 1 8 4	0	1	5	3.3	2	298	WNW	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0
1 8	2 1 8 5	0	0	5	3.4	2	246	WSW	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
1 8	2 1 8 6	0	1	5	2.3	2	197	SSW	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
1 8	2 1 8 7	0	15	6	1.8	2	114	ESE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1 8	2 1 8 8	0	31	7	1.5	2	92	E	0	0	360	7	7	6.00	3	0.943278E-03	0.549671E-03	0.110414E-03	0.196679E-04	0.	0.0
1 8	2 1 8 9	0	28	7	1.5	2	68	ENE	0	0	360	7	7	6.00	3	0.943278E-03	0.549671E-03	0.110414E-03	0.196679E-04	0.	0.0
1 8:	2 1 810	0	24	7	1.5	2	102	ESE	0	0	360	7	7	6.00	3	0.943278E-03	0.549671E-03	0.110414E-03	0.196679E-04	0.	0.0
1 8:	2 1 811	0	4	5	1.7	2	136	SE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
1 8:	2 1 812	0	-4	4	4.1	3	174	S	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
1 8:	2 1 813	0	-6	4	9.5	4	227	SW	0	0	360	4	4	1.24	1	0.579274E-04	0.276437E-04	0.249227E-05	0.103377E-05	0.	0.0
1 8:	2 1 814	0	-6	4	9.7	4	221	SW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
1 8:	2 1 815	0	-6	4	9.6	4	220	SW	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
1 8:	2 1 816	0	-5	4	7.6	4	220	SW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
1 8:	2 1 817	0	-4	4	7.3	3	216	SW	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0
1 8:	2 1 818	0	-3	4	7.2	3	207	SSW	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1 8:	2 1 819	0	-1	5	6.0	3	204	SSW	0	0	360	5	5	2.24	3	0.121758E-03	0.565287E-04	0.730930E-05	0.247632E-05	0.	0.0
1 8:	2 1 820	0	0	5	4.0	3	196	SSW	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
1 8:	2 1 821	0	1	5	3.6	3	198	SSW	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
1 8:	2 1 822	0	7	5	4.0	3	210	SSW	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
1 8:	2 1 823	0	6	5	3.6	3	200	SSW	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
1 8:	2 1 824	0	7	5	3.7	3	192	SSW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
1 9	2 1 9 1	0	12	6	2.7	2	194	SSW	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
1 9	2 1 9 2	0	10	6	1.9	2	182	S	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
1 9	2 1 9 3	0	6	5	1.4	2	166	SSE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
1 9	2 1 9 4	0	7	5	1.6	2	149	SSE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1 9	2 1 9 5	0	18	6	2.7	2	158	SSE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
1 9	2 1 9 6	0	23	6	1.7	2	158	SSE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
1 9	2 1 9 7	0	14	6	1.5	2	175	S	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
1 9	2 1 9 8	0	9	6	2.0	2	181	S	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
1 9	2 1 9 9	0	5	5	2.6	2	180	S	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0

1 91	2 1 910 0	10 6	2.7 2	171	S	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
1 91	2 1 911 0	9 6	3.6 3	191	S	0	0	360	6	6	4.00	3	0.250572E-03	0.147623E-03	0.255231E-04	0.660759E-05	0.	0.0
1 91	2 1 912 0	0 5	5.8 3	217	SW	0	0	360	5	5	2.31	3	0.121758E-03	0.584779E-04	0.746982E-05	0.256171E-05	0.	0.0
1 91	2 1 913 0	-3 4	7.3 3	230	SW	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0
1 91	2 1 914 0	-3 4	8.1 4	228	SW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
1 91	2 1 915 0	-4 4	10.1 4	232	SW	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
1 91	2 1 916 0	-2 5	9.2 4	235	SW	0	0	360	5	5	1.46	1	0.896753E-04	0.368665E-04	0.543919E-05	0.161499E-05	0.	0.0
1 91	2 1 917 0	3 5	6.7 3	230	SW	0	0	360	5	5	2.00	3	0.121758E-03	0.506227E-04	0.679801E-05	0.221760E-05	0.	0.0
1 91	2 1 918 0	8 6	4.4 3	215	SW	0	0	360	6	6	4.00	3	0.205014E-03	0.120782E-03	0.208826E-04	0.540621E-05	0.	0.0
1 91	2 1 919 0	13 6	3.4 2	210	SSW	0	0	360	6	6	4.00	3	0.265312E-03	0.156307E-03	0.270245E-04	0.699627E-05	0.	0.0
1 92	2 1 920 0	25 7	2.8 2	150	SSE	0	0	360	7	7	6.00	3	0.505328E-03	0.294467E-03	0.591506E-04	0.105364E-04	0.	0.0
1 92	2 1 921 0	19 6	3.3 2	183	S	0	0	360	6	6	4.00	3	0.273352E-03	0.161043E-03	0.278434E-04	0.720828E-05	0.	0.0
1 92	2 1 922 0	23 6	3.7 3	202	SSW	0	0	360	6	6	4.00	3	0.243800E-03	0.143633E-03	0.248333E-04	0.642901E-05	0.	0.0
1 92	2 1 923 0	25 7	4.2 3	203	SSW	0	0	360	7	7	6.00	3	0.336885E-03	0.196311E-03	0.394337E-04	0.702424E-05	0.	0.0
1 92	2 1 924 0	28 7	2.2 2	129	SE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
110	2 110 1 0	20 6	3.8 3	199	SSW	0	0	360	6	6	4.00	3	0.237384E-03	0.139853E-03	0.241798E-04	0.625982E-05	0.	0.0
110	2 110 2 0	7 5	2.4 2	105	ESE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
110	2 110 3 0	17 6	1.7 2	181	S	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
110	2 110 4 0	27 7	3.5 2	201	SSW	0	0	360	7	7	6.00	3	0.404262E-03	0.235573E-03	0.473205E-04	0.842908E-05	0.	0.0

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 11

E	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
110	2 110 5 0	28 7	3.9 3	204	SSW	0	0	360	7	7	6.00	3	0.362799E-03	0.211412E-03	0.424671E-04	0.756456E-05	0.	0.0
110	2 110 6 0	26 7	3.2 2	198	SSW	0	0	360	7	7	6.00	3	0.442162E-03	0.257658E-03	0.517568E-04	0.921931E-05	0.	0.0
110	2 110 7 0	26 7	3.1 2	193	SSW	0	0	360	7	7	6.00	3	0.456425E-03	0.265970E-03	0.534264E-04	0.951671E-05	0.	0.0
110	2 110 8 0	23 6	2.1 2	93	E	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
110	2 110 9 0	6 5	2.6 2	128	SE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
1101	2 11010 0	4 5	3.2 2	110	ESE	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
1101	2 11011 0	-3 4	3.5 2	117	ESE	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0
1101	2 11012 0	-3 4	4.4 3	233	SW	0	0	360	4	4	2.00	3	0.933788E-04	0.596852E-04	0.472038E-05	0.223199E-05	0.	0.0
1101	2 11013 0	-4 4	7.0 3	227	SW	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
1101	2 11014 0	-4 4	6.1 3	217	SW	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
1101	2 11015 0	-4 4	5.7 3	206	SSW	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
1101	2 11016 0	-3 4	4.7 3	216	SW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
1101	2 11017 0	2 5	3.4 2	193	SSW	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
1101	2 11018 0	15 6	1.6 2	90	E	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
1101	2 11019 0	32 7	2.0 2	82	E	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
1102	2 11020 0	40 7	2.0 2	83	E	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
1102	2 11021 0	37 7	2.1 2	78	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
1102	2 11022 0	37 7	1.9 2	61	ENE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
1102	2 11023 0	36 7	1.9 2	76	ENE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
1102	2 11024 0	36 7	2.1 2	78	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
111	2 111 1 0	37 7	2.1 2	70	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
111	2 111 2 0	39 7	2.2 2	67	ENE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
111	2 111 3 0	35 7	2.4 2	69	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
111	2 111 4 0	32 7	2.5 2	57	ENE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0
111	2 111 5 0	23 6	1.4 2	127	SE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
111	2 111 6 0	7 5	1.9 2	208	SSW	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
111	2 111 7 0	9 6	2.0 2	187	S	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
111	2 111 8 0	6 5	2.0 2	158	SSE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
111	2 111 9 0	2 5	3.0 2	133	SE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1111	2 11110 0	7 5	2.6 2	138	SE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
1111	2 11111 0	4 5	2.0 2	113	ESE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
1111	2 11112 0	3 5	5.1 3	212	SSW	0	0	360	5	5	2.63	3	0.121758E-03	0.665043E-04	0.809177E-05	0.291332E-05	0.	0.0
1111	2 11113 0	-4 4	10.5 4	254	WSW	0	0	360	4	4	1.17	1	0.524105E-04	0.250109E-04	0.228711E-05	0.935312E-06	0.	0.0
1111	2 11114 0	-4 4	9.8 4	263	W	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0
1111	2 11115 0	-4 4	11.7 4	263	W	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
1111	2 11116 0	-3 4	8.5 4	250	WSW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
1111	2 11117 0	-2 5	9.1 4	236	SW	0	0	360	5	5	1.47	1	0.906607E-04	0.372716E-04	0.548303E-05	0.163274E-05	0.	0.0
1111	2 11118 0	-3 4	11.1 4	273	W	0	0	360	4	4	1.13	1	0.495775E-04	0.236590E-04	0.217994E-05	0.884755E-06	0.	0.0
1111	2 11119 0	-3 4	7.6 4	271	W	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
1112	2 11120 0	-3 4	7.7 4	257	WSW	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0

1112	2	11121	0	-3	4	8.9	4	272	W	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0
1112	2	11122	0	-4	4	8.1	4	282	WNW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
1112	2	11123	0	-3	4	5.2	3	273	W	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
1112	2	11124	0	-4	4	5.2	3	281	W	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
112	2	112	1 0	-3	4	4.7	3	250	WSW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
112	2	112	2 0	-1	5	3.0	2	226	SW	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
112	2	112	3 0	0	5	2.5	2	199	SSW	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
112	2	112	4 0	0	5	4.6	3	218	SW	0	0	360	5	5	2.92	3	0.121758E-03	0.737330E-04	0.860344E-05	0.322999E-05	0.	0.0
112	2	112	5 0	0.	5	6.9	3	226	SW	0	0	360	5	5	1.95	1	0.119567E-03	0.491554E-04	0.666481E-05	0.215333E-05	0.	0.0
112	2	112	6 0	0	5	5.3	3	211	SSW	0	0	360	5	5	2.53	3	0.121758E-03	0.639947E-04	0.790374E-05	0.280339E-05	0.	0.0
112	2	112	7 0	0	5	4.3	3	208	SSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
112	2	112	8 0	4	5	4.3	3	212	SSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
112	2	112	9 0	0	5	3.7	3	197	SSW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
1121	2	11210	0	-6	4	7.3	3	216	SW	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0
1121	2	11211	0	-7	4	11.4	4	229	SW	0	.0	360	4	4	1.11	1	0.482728E-04	0.230364E-04	0.213015E-05	0.861472E-06	0.	0.0

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04*** PAGE 12

E	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
1121	2	11212	0	-8	3	9.7	4	222	SW	0	0	360	3	3	0.00	1	0.263863E-04	0.191909E-04	0.636866E-06	0.382803E-06	0.	0.0
1121	2	11213	0	-8	3	9.4	4	236	SW	0	0	360	3	3	0.00	1	0.272285E-04	0.198034E-04	0.657192E-06	0.395021E-06	0.	0.0
1121	2	11214	0	-9	2	10.0	4	236	SW	0	0	360	2	2	0.00	1	0.122753E-04	0.124699E-04	0.113080E-06	0.940462E-07	0.	0.0
1121	2	11215	0	-7	4	8.6	4	236	SW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
1121	2	11216	0	-6	4	6.2	3	218	SW	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
1121	2	11217	0	-4	4	4.5	3	214	SW	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
1121	2	11218	0	1	5	5.2	3	179	S	0	0	360	5	5	2.58	3	0.121758E-03	0.652254E-04	0.799665E-05	0.285730E-05	0.	0.0
1121	2	11219	0	7	5	3.0	2	174	S	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1122	2	11220	0	20	6	2.0	2	72	ENE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
1122	2	11221	0	23	6	2.2	2	90	E	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
1122	2	11222	0	21	6	1.8	2	153	SSE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1122	2	11223	0	3	5	2.7	2	174	S	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1122	2	11224	0	-1	5	2.0	2	188	S	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
113	2	113	1 0	0	5	4.7	3	188	S	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
113	2	113	2 0	2	5	3.9	3	187	S	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
113	2	113	3 0	1	5	4.2	3	182	S	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
113	2	113	4 0	4	5	2.9	2	193	SSW	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
113	2	113	5 0	11	6	2.1	2	118	ESE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
113	2	113	6 0	0	5	6.2	3	222	SW	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0
113	2	113	7 0	0	5	4.0	3	220	SW	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
113	2	113	8 0	0	5	3.7	3	235	SW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
113	2	113	9 0	0	5	4.1	3	250	WSW	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
1131	2	11310	0	-4	4	7.9	4	256	WSW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
1131	2	11311	0	-6	4	12.6	5	240	WSW	0	0	360	4	4	1.04	1	0.436754E-04	0.208424E-04	0.193894E-05	0.779427E-06	0.	0.0
1131	2	11312	0	-4	4	15.7	5	249	WSW	0	0	360	4	4	0.00	1	0.350516E-04	0.167271E-04	0.155609E-05	0.625527E-06	0.	0.0
1131	2	11313	0	-4	4	11.8	4	264	W	0	0	360	4	4	1.08	1	0.466364E-04	0.222555E-04	0.206730E-05	0.832269E-06	0.	0.0
1131	2	11314	0	-4	4	16.1	5	287	WNW	0	0	360	4	4	0.00	1	0.341807E-04	0.163115E-04	0.151743E-05	0.609986E-06	0.	0.0
1131	2	11315	0	-4	4	14.8	5	282	WNW	0	0	360	4	4	0.00	1	0.371831E-04	0.177442E-04	0.165072E-05	0.663566E-06	0.	0.0
1131	2	11316	0	-4	4	15.3	5	265	W	0	0	360	4	4	0.00	1	0.359680E-04	0.171644E-04	0.159677E-05	0.641881E-06	0.	0.0
1131	2	11317	0	-4	4	14.6	5	266	W	0	0	360	4	4	0.00	1	0.376925E-04	0.179873E-04	0.167333E-05	0.672656E-06	0.	0.0
1131	2	11318	0	-4	4	11.9	4	269	W	0	0	360	4	4	1.08	1	0.462445E-04	0.220685E-04	0.205218E-05	0.825275E-06	0.	0.0
1131	2	11319	0	-4	4	11.9	4	265	W	0	0	360	4	4	1.08	1	0.462445E-04	0.220685E-04	0.205218E-05	0.825275E-06	0.	0.0
1132	2	11320	0	-4	4	10.0	4	272	W	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0
1132	2	11321	0	-4	4	8.2	4	258	WSW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
1132	2	11322	0	-4	4	6.5	3	276	W	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
1132	2	11323	0	-4	4	5.6	3	283	WNW	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
1132	2	11324	0	-4	4	4.1	3	269	W	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
114	2	114	1 0	-3	4	3.9	3	251	WSW	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
114	2	114	2 0	-2	5	3.0	2	248	WSW	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
114	2	114	3 0	-3	4	2.6	2	223	SW	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
114	2	114	4 0	0	5	5.2	3	227	SW	0	0	360	5	5	2.58	3	0.121758E-03	0.652254E-04	0.799665E-05	0.285730E-05	0.	0.0
114	2	114	5 0	-1	5	2.6	2	128	SE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
114	2	114	6 0	0	5	3.2	2	219	SW	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
114	2	114	7 0	-1	5	2.3	2	134	SE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0

114	2	114	8	0	0	5	2.2	2	107	ESE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
114	2	114	9	0	3	5	2.0	2	55	NE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
1141	2	11410	0	-3	4	2.5	2	75	ENE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
1141	2	11411	0	-5	4	3.0	2	118	ESE	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
1141	2	11412	0	-5	4	2.9	2	55	NE	0	0	360	4	4	2.00	3	0.141678E-03	0.905569E-04	0.716196E-05	0.338647E-05	0.	0.0
1141	2	11413	0	-5	4	3.8	3	72	ENE	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
1141	2	11414	0	-7	4	6.3	3	136	SE	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
1141	2	11415	0	-6	4	6.8	3	144	SE	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
1141	2	11416	0	-4	4	6.7	3	145	SE	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0
1141	2	11417	0	-3	4	4.4	3	133	SE	0	0	360	4	4	2.00	3	0.933788E-04	0.596852E-04	0.472038E-05	0.223199E-05	0.	0.0
1141	2	11418	0	-1	5	5.9	3	152	SSE	0	0	360	5	5	2.27	3	0.121758E-03	0.574868E-04	0.738868E-05	0.251830E-05	0.	0.0

'E	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
1141	2	11419	0	-3	4	4.5	3	162	SSE	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0						
114:	2	11420	0	-2	5	2.6	2	95	E	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0						
114:	2	11421	0	-3	4	4.2	3	131	SE	0	0	360	4	4	2.00	3	0.978254E-04	0.625274E-04	0.494516E-05	0.233828E-05	0.	0.0						
114:	2	11422	0	-1	5	4.3	3	176	S	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0						
114:	2	11423	0	0	5	4.2	3	186	S	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0						
114:	2	11424	0	-1	5	3.2	2	203	SSW	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0						
115	2	115	1	0	6	5	2.6	2	133	SE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0						
115	2	115	2	0	20	6	2.0	2	50	NE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0						
115	2	115	3	0	26	7	2.4	2	49	NE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0						
115	2	115	4	0	29	7	2.4	2	51	NE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0						
115	2	115	5	0	27	7	2.7	2	63	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0						
115	2	115	6	0	26	7	2.2	2	131	SE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0						
115	2	115	7	0	9	6	1.9	2	198	SSW	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0						
115	2	115	8	0	17	6	1.5	2	122	ESE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0						
115	2	115	9	0	18	6	2.4	2	174	S	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0						
1151	2	11510	0	-1	5	6.7	3	218	SW	0	0	360	5	5	2.00	3	0.121758E-03	0.506227E-04	0.679801E-05	0.221760E-05	0.	0.0						
1151	2	11511	0	-5	4	10.1	4	233	SW	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0						
1151	2	11512	0	-4	4	11.0	4	259	W	0	0	360	4	4	1.13	1	0.500282E-04	0.238741E-04	0.219708E-05	0.892798E-06	0.	0.0						
1151	2	11513	0	-5	4	9.7	4	246	WSW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0						
1151	2	11514	0	-5	4	10.1	4	233	SW	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0						
1151	2	11515	0	-5	4	11.2	4	234	SW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0						
1151	2	11516	0	-4	4	10.5	4	227	SW	0	0	360	4	4	1.17	1	0.524105E-04	0.250109E-04	0.228711E-05	0.935312E-06	0.	0.0						
1151	2	11517	0	-4	4	10.9	4	234	SW	0	0	360	4	4	1.14	1	0.504871E-04	0.240931E-04	0.221449E-05	0.900989E-06	0.	0.0						
1151	2	11518	0	-4	4	10.6	4	233	SW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0						
1151	2	11519	0	-3	4	11.2	4	232	SW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0						
115:	2	11520	0	-3	4	10.8	4	236	SW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0						
115:	2	11521	0	-4	4	13.1	5	240	WSW	0	0	360	4	4	1.02	1	0.420084E-04	0.200469E-04	0.186493E-05	0.749677E-06	0.	0.0						
115:	2	11522	0	-4	4	12.2	4	234	SW	0	0	360	4	4	1.06	1	0.451074E-04	0.215258E-04	0.200251E-05	0.804982E-06	0.	0.0						
115:	2	11523	0	-4	4	11.1	4	242	WSW	0	0	360	4	4	1.13	1	0.495775E-04	0.236590E-04	0.217994E-05	0.884755E-06	0.	0.0						
115:	2	11524	0	-4	4	8.0	4	230	SW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0						
116	2	116	1	0	-3	4	6.9	3	236	SW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0						
116	2	116	2	0	-4	4	7.0	3	251	WSW	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0						
116	2	116	3	0	-4	4	5.8	3	259	W	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0						
116	2	116	4	0	-4	4	8.8	4	296	WNW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0						
116	2	116	5	0	-4	4	7.4	3	292	WNW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0						
116	2	116	6	0	-4	4	7.3	3	300	WNW	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0						
116	2	116	7	0	-4	4	8.1	4	317	NW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0						
116	2	116	8	0	-3	4	8.6	4	332	NNW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0						
116	2	116	9	0	-4	4	8.4	4	324	NW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0						
1161	2	11610	0	-5	4	8.2	4	321	NW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0						
1161	2	11611	0	-5	4	7.7	4	323	NW	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0						
1161	2	11612	0	-6	4	7.6	4	306	NW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0						
1161	2	11613	0	-6	4	6.7	3	276	W	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0						
1161	2	11614	0	-6	4	8.6	4	260	W	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0						
1161	2	11615	0	-6	4	8.1	4	242	WSW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0						
1161	2	11616	0	-6	4	7.2	3	246	WSW	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0						
1161	2	11617	0	-5	4	5.1	3	231	SW	0	0	360	4	4	1.84	3	0.875033E-04	0.514931E-04	0.418013E-05	0.192564E-05	0.	0.0						
1161	2	11618	0	-3	4	3.7	3	240	WSW	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0						

116	2	11619	0	0	5	1.4	2	119	ESE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
116	2	11620	0	5	5	0.9	2	133	SE	0	0	360	5	5	3.00	3	0.605245E-03	0.376858E-03	0.434604E-04	0.165088E-04	0.	0.0
116	2	11621	0	9	6	1.0	2	81	E	0	0	360	6	6	4.00	3	0.902061E-03	0.531442E-03	0.918833E-04	0.237873E-04	0.	0.0
116	2	11622	0	6	5	1.5	2	206	SSW	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
116	2	11623	0	0	5	1.4	2	187	S	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
116	2	11624	0	3	5	1.2	2	74	ENE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
117	2	117	1	0	9	6	1.8	2	87	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0

, YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04... PAGE 14

'E	0DATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
117	2	117	2	0	5	5	3.0	2	161	SSE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
117	2	117	3	0	-2	5	2.7	2	180	S	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
117	2	117	4	0	0	5	3.6	3	204	SSW	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
117	2	117	5	0	-3	4	6.9	3	200	SSW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
117	2	117	6	0	-3	4	5.3	3	193	SSW	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
117	2	117	7	0	-2	5	5.8	3	201	SSW	0	0	360	5	5	2.31	3	0.121758E-03	0.584779E-04	0.746982E-05	0.256171E-05	0.	0.0
117	2	117	8	0	-1	5	3.6	3	191	S	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
117	2	117	9	0	-1	5	3.2	2	188	S	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
117	2	11710	0	-3	4	4.9	3	227	SW	0	0	360	4	4	1.89	3	0.888050E-04	0.535949E-04	0.431690E-05	0.200424E-05	0.	0.0
117	2	11711	0	-5	4	7.1	3	228	SW	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
117	2	11712	0	-6	4	8.1	4	223	SW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
117	2	11713	0	-7	4	10.0	4	226	SW	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0
117	2	11714	0	-7	4	14.2	5	240	WSW	0	0	360	4	4	0.00	1	0.387542E-04	0.184940E-04	0.172047E-05	0.691604E-06	0.	0.0
117	2	11715	0	-7	4	14.7	5	255	WSW	0	0	360	4	4	0.00	1	0.374360E-04	0.178650E-04	0.166195E-05	0.668080E-06	0.	0.0
117	2	11716	0	-6	4	10.6	4	269	W	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
117	2	11717	0	-4	4	9.1	4	277	W	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0
117	2	11718	0	-4	4	9.2	4	277	W	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
117	2	11719	0	-4	4	8.7	4	299	WNW	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0
117	2	11720	0	-2	5	3.8	3	257	WSW	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
117	2	11721	0	-3	4	5.0	3	274	W	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
117	2	11722	0	-4	4	7.9	4	289	WNW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
117	2	11723	0	-3	4	3.8	3	269	W	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
117	2	11724	0	-1	5	5.0	3	298	WNW	0	0	360	5	5	2.68	3	0.121758E-03	0.678344E-04	0.818918E-05	0.297159E-05	0.	0.0
118	2	118	1	0	0	5	2.3	2	144	SE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
118	2	118	2	0	2	5	2.7	2	182	S	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
118	2	118	3	0	1	5	3.4	2	191	S	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
118	2	118	4	0	3	5	2.7	2	205	SSW	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
118	2	118	5	0	6	5	2.2	2	180	S	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
118	2	118	6	0	3	5	2.6	2	188	S	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
118	2	118	7	0	0	5	5.9	3	214	SW	0	0	360	5	5	2.27	3	0.121758E-03	0.574868E-04	0.738868E-05	0.251830E-05	0.	0.0
118	2	118	8	0	-4	4	11.0	4	231	SW	0	0	360	4	4	1.13	1	0.500282E-04	0.238741E-04	0.219708E-05	0.892798E-06	0.	0.0
118	2	118	9	0	-5	4	12.6	5	234	SW	0	0	360	4	4	1.04	1	0.436754E-04	0.208424E-04	0.193894E-05	0.779427E-06	0.	0.0
118	2	11810	0	-6	4	11.0	4	245	WSW	0	0	360	4	4	1.13	1	0.500282E-04	0.238741E-04	0.219708E-05	0.892798E-06	0.	0.0
118	2	11811	0	-7	4	11.1	4	249	WSW	0	0	360	4	4	1.13	1	0.495775E-04	0.236590E-04	0.217994E-05	0.884755E-06	0.	0.0
118	2	11812	0	-7	4	13.0	5	245	WSW	0	0	360	4	4	1.02	1	0.423315E-04	0.202011E-04	0.187928E-05	0.755444E-06	0.	0.0
118	2	11813	0	-7	4	12.3	4	261	W	0	0	360	4	4	1.06	1	0.447406E-04	0.213508E-04	0.198623E-05	0.798437E-06	0.	0.0
118	2	11814	0	-6	4	13.6	5	265	W	0	0	360	4	4	0.00	1	0.404640E-04	0.193099E-04	0.179637E-05	0.722116E-06	0.	0.0
118	2	11815	0	-7	4	11.8	4	242	WSW	0	0	360	4	4	1.08	1	0.466364E-04	0.222555E-04	0.206730E-05	0.832269E-06	0.	0.0
118	2	11816	0	-6	4	11.2	4	253	WSW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
118	2	11817	0	-5	4	7.1	3	264	W	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
118	2	11818	0	-4	4	5.9	3	284	WNW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
118	2	11819	0	-3	4	5.4	3	300	WNW	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
118	2	11820	0	-3	4	9.3	4	319	NW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0
118	2	11821	0	-3	4	9.1	4	327	NNW	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0
118	2	11822	0	-3	4	7.8	4	346	NNW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
118	2	11823	0	-3	4	8.0	4	5	N	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
118	2	11824	0	-1	5	3.6	3	22	NNE	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
119	2	119	1	0	4	5	2.1	2	57	ENE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
119	2	119	2	0	6	5	2.9	2	61	ENE	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
119	2	119	3	0	5	5	2.7	2	70	ENE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
119	2	119	4	0	2	5	2.3	2	65	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
119	2	119	5	0	-1	5	2.0	2	60	ENE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0

119	2	119	6	0	-2	5	2.1	2	74	ENE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
119	2	119	7	0	-2	5	2.1	2	66	ENE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
119	2	119	8	0	1	5	2.1	2	56	NE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
YE/	1PPL YEAR 2002 DT 60-10A										8-NOV-04•••										PAGE	15	
E	0DATE			TEMP	GP	SPED	GP		DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE 8	XQ GT 8	XQ(ELEV)	LE 8 XQ(ELV)	GT 8	H2 TER
119	2	119	9	0	0	5	1.9	2	50	NE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
119:	2	11910		0	-1	5	2.0	2	74	ENE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
119:	2	11911		0	-4	4	3.0	2	144	SE	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
119:	2	11912		0	-5	4	4.3	3	198	SSW	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
119:	2	11913		0	-5	4	4.3	3	174	S	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
119:	2	11914		0	-4	4	2.6	2	110	ESE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
119:	2	11915		0	-4	4	3.2	2	21	NNE	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
119:	2	11916		0	-4	4	2.7	2	46	NE	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
119:	2	11917		0	-4	4	3.2	2	50	NE	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
119:	2	11918		0	-3	4	3.8	3	34	NE	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
119:	2	11919		0	-2	5	3.2	2	39	NE	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
119:	2	11920		0	-1	5	3.1	2	15	NNE	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
119:	2	11921		0	-1	5	4.3	3	20	NNE	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
119:	2	11922		0	0	5	2.6	2	50	NE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
119:	2	11923		0	0	5	2.7	2	49	NE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
119:	2	11924		0	-2	5	3.7	3	10	N	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
120	2	120	1	0	-2	5	1.2	2	69	ENE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
120	2	120	2	0	-3	4	1.4	2	284	WNW	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
120	2	120	3	0	-2	5	1.4	2	189	S	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
120	2	120	4	0	-1	5	2.2	2	147	SSE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
120	2	120	5	0	-3	4	3.0	2	201	SSW	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
120	2	120	6	0	-4	4	2.9	2	293	WNW	0	0	360	4	4	2.00	3	0.141678E-03	0.905569E-04	0.716196E-05	0.338647E-05	0.	0.0
120	2	120	7	0	-3	4	2.5	2	168	SSE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
120	2	120	8	0	1	5	2.6	2	162	SSE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
120	2	120	9	0	4	5	2.4	2	134	SE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
120]	2	12010		0	-4	4	3.2	2	158	SSE	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
120]	2	12011		0	-6	4	6.6	3	218	SW	0	0	360	4	4	1.56	3	0.795599E-04	0.397901E-04	0.338605E-05	0.148800E-05	0.	0.0
120]	2	12012		0	-6	4	7.9	4	219	SW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0
120]	2	12013		0	-7	4	6.0	3	204	SSW	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
120]	2	12014		0	-5	4	8.2	4	234	SW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
120]	2	12015		0	-4	4	5.8	3	301	WNW	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
120]	2	12016		0	-7	4	6.5	3	223	SW	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
120]	2	12017		0	-4	4	5.7	3	201	SSW	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
120]	2	12018		0	3	5	2.1	2	176	S	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
120:	2	12019		0	3	5	1.8	2	51	NE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
120:	2	12020		0	6	5	1.6	2	86	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
120:	2	12021		0	7	5	2.0	2	90	E	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
120:	2	12022		0	11	6	2.1	2	32	NNE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
120:	2	12023		0	20	6	1.7	2	65	ENE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
120:	2	12024		0	19	6	2.7	2	46	NE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
121	2	121	1	0	24	7	1.8	2	151	SSE	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0
121	2	121	2	0	22	6	2.0	2	85	E	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
121	2	121	3	0	34	7	2.2	2	98	E	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
121	2	121	4	0	26	7	2.0	2	79	E	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
121	2	121	5	0	39	7	1.8	2	61	ENE	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0
121	2	121	6	0	32	7	3.0	2	143	SE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
121	2	121	7	0	11	6	3.9	3	164	SSE	0	0	360	6	6	4.00	3	0.231298E-03	0.136267E-03	0.235598E-04	0.609931E-05	0.	0.0
121	2	121	8	0	9	6	4.0	3	159	SSE	0	0	360	6	6	4.00	3	0.225515E-03	0.132861E-03	0.229708E-04	0.594683E-05	0.	0.0
121	2	121	9	0	3	5	5.2	3	190	S	0	0	360	5	5	2.58	3	0.121758E-03	0.652254E-04	0.799665E-05	0.285730E-05	0.	0.0
121]	2	12110		0	-4	4	6.7	3	200	SSW	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0
121]	2	12111		0	-4	4	8.1	4	208	SSW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
121]	2	12112		0	-3	4	7.2	3	191	S	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
121]	2	12113		0	-4	4	5.0	3	195	SSW	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
121]	2	12114		0	-4	4	6.2	3	224	SW	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
121]	2	12115		0	-5	4	6.2	3	223	SW	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
YE/	1PPL YEAR 2002 DT 60-10A										8-NOV-04•••										PAGE	16	

E	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
1211	2 12116	0	-4	4	7.8	4	226	SW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0					
1211	2 12117	0	-3	4	6.8	3	219	SW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0					
1211	2 12118	0	-2	5	6.7	3	218	SW	0	0	360	5	5	2.00	3	0.121758E-03	0.506227E-04	0.679801E-05	0.221760E-05	0.	0.0					
1211	2 12119	0	-2	5	7.1	3	240	WSW	0	0	360	5	5	1.89	1	0.116199E-03	0.477707E-04	0.653673E-05	0.209267E-05	0.	0.0					
121	2 12120	0	0	5	7.0	3	230	SW	0	0	360	5	5	1.92	1	0.117859E-03	0.484531E-04	0.660015E-05	0.212256E-05	0.	0.0					
121	2 12121	0	-1	5	8.6	4	252	WSW	0	0	360	5	5	1.56	1	0.959317E-04	0.394386E-04	0.571327E-05	0.172767E-05	0.	0.0					
121	2 12122	0	-3	4	8.5	4	257	WSW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0					
121	2 12123	0	-2	5	9.5	4	241	WSW	0	0	360	5	5	1.41	1	0.868434E-04	0.357023E-04	0.531178E-05	0.156399E-05	0.	0.0					
121	2 12124	0	-1	5	6.3	3	236	SW	0	0	360	5	5	2.13	3	0.121758E-03	0.538368E-04	0.708105E-05	0.235840E-05	0.	0.0					
122	2 122 1	0	0	5	4.2	3	232	SW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0					
122	2 122 2	0	-1	5	5.6	3	224	SW	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0					
122	2 122 3	0	-3	4	9.0	4	253	WSW	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0					
122	2 122 4	0	-1	5	7.9	4	243	WSW	0	0	360	5	5	1.70	1	0.104432E-03	0.429332E-04	0.607012E-05	0.188075E-05	0.	0.0					
122	2 122 5	0	-3	4	5.8	3	259	W	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0					
122	2 122 6	0	-3	4	7.1	3	260	W	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0					
122	2 122 7	0	0	5	3.7	3	247	WSW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0					
122	2 122 8	0	0	5	2.7	2	260	W	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0					
122	2 122 9	0	-2	5	5.9	3	267	W	0	0	360	5	5	2.27	3	0.121758E-03	0.574868E-04	0.738868E-05	0.251830E-05	0.	0.0					
1221	2 12210	0	-4	4	4.0	3	287	WNW	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0					
1221	2 12211	0	-7	4	8.4	4	237	WSW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0					
1221	2 12212	0	-7	4	9.7	4	238	WSW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0					
1221	2 12213	0	-7	4	8.9	4	237	WSW	0	0	360	4	4	1.30	1	0.618326E-04	0.295073E-04	0.263481E-05	0.110346E-05	0.	0.0					
1221	2 12214	0	-10	1	8.1	4	211	SSW	0	0	360	1	1	0.00	1	0.503685E-05	0.697171E-05	0.104094E-06	0.116106E-06	0.	0.0					
1221	2 12215	0	-8	3	10.1	4	228	SW	0	0	360	3	3	0.00	1	0.253413E-04	0.184309E-04	0.611644E-06	0.367643E-06	0.	0.0					
1221	2 12216	0	-6	4	7.5	3	233	SW	0	0	360	4	4	1.44	1	0.733746E-04	0.350153E-04	0.304420E-05	0.130944E-05	0.	0.0					
1221	2 12217	0	-3	4	5.0	3	204	SSW	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0					
1221	2 12218	0	4	5	3.2	2	182	S	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0					
1221	2 12219	0	15	6	1.6	2	105	ESE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0					
122	2 12220	0	31	7	2.2	2	54	NE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0					
122	2 12221	0	38	7	2.3	2	71	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0					
122	2 12222	0	53	7	2.8	2	44	NE	0	0	360	7	7	6.00	3	0.505328E-03	0.294467E-03	0.591506E-04	0.105364E-04	0.	0.0					
122	2 12223	0	63	7	2.4	2	63	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0					
122	2 12224	0	68	7	2.4	2	65	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0					
123	2 123 1	0	63	7	1.7	2	78	ENE	0	0	360	7	7	6.00	3	0.832304E-03	0.485004E-03	0.974245E-04	0.173540E-04	0.	0.0					
123	2 123 2	0	85	7	2.3	2	91	E	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0					
123	2 123 3	0	20	6	5.9	3	180	S	0	0	360	6	6	2.82	2	0.203857E-03	0.900750E-04	0.182888E-04	0.403175E-05	0.	0.0					
123	2 123 4	0	3	5	6.4	3	182	S	0	0	360	5	5	2.10	3	0.121758E-03	0.529956E-04	0.700811E-05	0.232155E-05	0.	0.0					
123	2 123 5	0	2	5	8.0	4	174	S	0	0	360	5	5	1.68	1	0.103127E-03	0.423965E-04	0.601644E-05	0.185724E-05	0.	0.0					
123	2 123 6	0	1	5	7.9	4	188	S	0	0	360	5	5	1.70	1	0.104432E-03	0.429332E-04	0.607012E-05	0.188075E-05	0.	0.0					
123	2 123 7	0	0	5	6.5	3	196	SSW	0	0	360	5	5	2.06	3	0.121758E-03	0.521803E-04	0.693665E-05	0.228584E-05	0.	0.0					
123	2 123 8	0	-1	5	8.9	4	204	SSW	0	0	360	5	5	1.51	1	0.926981E-04	0.381092E-04	0.557287E-05	0.166943E-05	0.	0.0					
123	2 123 9	0	-1	5	6.5	3	201	SSW	0	0	360	5	5	2.06	3	0.121758E-03	0.521803E-04	0.693665E-05	0.228584E-05	0.	0.0					
1231	2 12310	0	-3	4	7.1	3	197	SSW	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0					
123	2 12311	0	-6	4	9.5	4	193	SSW	0	0	360	4	4	1.24	1	0.579274E-04	0.276437E-04	0.249227E-05	0.103377E-05	0.	0.0					
123	2 12312	0	-6	4	8.6	4	184	S	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0					
123	2 12313	0	-2	5	7.8	4	182	S	0	0	360	5	5	1.72	1	0.105771E-03	0.434836E-04	0.612477E-05	0.190486E-05	0.	0.0					
123	2 12314	0	-2	5	5.9	3	179	S	0	0	360	5	5	2.27	3	0.121758E-03	0.574868E-04	0.738868E-05	0.251830E-05	0.	0.0					
123	2 12315	0	-3	4	5.2	3	179	S	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0					
1231	2 12316	0	-3	4	4.8	3	176	S	0	0	360	4	4	1.91	3	0.894834E-04	0.547114E-04	0.438889E-05	0.204599E-05	0.	0.0					
1231	2 12317	0	-1	5	2.7	2	180	S	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0					
1231	2 12318	0	0	5	2.5	2	193	SSW	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0					
1231	2 12319	0	1	5	1.6	2	59	ENE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0					
123	2 12320	0	10	6	2.2	2	43	NE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0					
123	2 12321	0	10	6	2.4	2	45	NE	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0					
123	2 12322	0	10	6	2.7	2	41	NE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0					

. YE 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 17

E	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
123	2 12323	0	13	6	3.0	2	44	NE	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0					
123	2 12324	0	14	6	2.2	2	61	ENE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0					
124	2 124 1	0	14	6	2.4	2	57	ENE	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0					

124	2 124 2 0	15 6	1.6 2	91 E	0	0	360	6	6 4.00 3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
124	2 124 3 0	10 6	2.2 2	65 ENE	0	0	360	6	6 4.00 3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
124	2 124 4 0	15 6	1.5 2	77 ENE	0	0	360	6	6 4.00 3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
124	2 124 5 0	15 6	2.4 2	54 NE	0	0	360	6	6 4.00 3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
124	2 124 6 0	21 6	2.4 2	74 ENE	0	0	360	6	6 4.00 3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
124	2 124 7 0	17 6	2.8 2	63 ENE	0	0	360	6	6 4.00 3	0.322165E-03	0.189801E-03	0.328155E-04	0.849547E-05	0.	0.0
124	2 124 8 0	21 6	2.5 2	57 ENE	0	0	360	6	6 4.00 3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
124	2 124 9 0	19 6	2.4 2	68 ENE	0	0	360	6	6 4.00 3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
1241	2 12410 0	21 6	2.5 2	53 NE	0	0	360	6	6 4.00 3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
1241	2 12411 0	18 6	1.8 2	178 S	0	0	360	6	6 4.00 3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1241	2 12412 0	17 6	2.9 2	66 ENE	0	0	360	6	6 4.00 3	0.311055E-03	0.183256E-03	0.316839E-04	0.820253E-05	0.	0.0
1241	2 12413 0	20 6	3.7 3	147 SSE	0	0	360	6	6 4.00 3	0.243800E-03	0.143633E-03	0.248333E-04	0.642901E-05	0.	0.0
1241	2 12414 0	1 5	2.8 2	245 WSW	0	0	360	5	5 3.00 3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
1241	2 12415 0	6 5	2.8 2	211 SSW	0	0	360	5	5 3.00 3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
1241	2 12416 0	4 5	1.7 2	96 E	0	0	360	5	5 3.00 3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
1241	2 12417 0	9 6	2.3 2	189 S	0	0	360	6	6 4.00 3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
1241	2 12418 0	9 6	3.4 2	214 SW	0	0	360	6	6 4.00 3	0.265312E-03	0.156307E-03	0.270245E-04	0.699627E-05	0.	0.0
1241	2 12419 0	10 6	2.8 2	189 S	0	0	360	6	6 4.00 3	0.322165E-03	0.189801E-03	0.328155E-04	0.849547E-05	0.	0.0
1242	2 12420 0	13 6	3.4 2	54 NE	0	0	360	6	6 4.00 3	0.265312E-03	0.156307E-03	0.270245E-04	0.699627E-05	0.	0.0
1242	2 12421 0	0 5	9.6 4	357 N	0	0	360	5	5 1.40 1	0.859388E-04	0.353304E-04	0.527063E-05	0.154770E-05	0.	0.0
1242	2 12422 0	-3 4	6.8 3	29 NNE	0	0	360	4	4 1.54 3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
1242	2 12423 0	-1 5	6.0 3	8 N	0	0	360	5	5 2.24 3	0.121758E-03	0.565287E-04	0.730930E-05	0.247632E-05	0.	0.0
1242	2 12424 0	-2 5	5.0 3	351 N	0	0	360	5	5 2.68 3	0.121758E-03	0.678344E-04	0.818918E-05	0.297159E-05	0.	0.0
125	2 125 1 0	-3 4	6.2 3	347 NNW	0	0	360	4	4 1.63 3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
125	2 125 2 0	-3 4	8.2 4	324 NW	0	0	360	4	4 1.36 1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
125	2 125 3 0	-3 4	6.8 3	330 NNW	0	0	360	4	4 1.54 3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
125	2 125 4 0	-3 4	6.6 3	340 NNW	0	0	360	4	4 1.56 3	0.795599E-04	0.397901E-04	0.338605E-05	0.148800E-05	0.	0.0
125	2 125 5 0	-4 4	7.0 3	344 NNW	0	0	360	4	4 1.51 3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
125	2 125 6 0	-4 4	8.4 4	317 NW	0	0	360	4	4 1.34 1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
125	2 125 7 0	-4 4	8.2 4	317 NW	0	0	360	4	4 1.36 1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
125	2 125 8 0	-4 4	5.5 3	319 NW	0	0	360	4	4 1.76 3	0.850982E-04	0.477482E-04	0.393225E-05	0.178560E-05	0.	0.0
125	2 125 9 0	-4 4	6.2 3	300 WNW	0	0	360	4	4 1.63 3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
1251	2 12510 0	-6 4	7.6 4	255 WSW	0	0	360	4	4 1.43 1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
1251	2 12511 0	-8 3	9.2 4	235 SW	0	0	360	3	3 0.00 1	0.278204E-04	0.202339E-04	0.671479E-06	0.403608E-06	0.	0.0
1251	2 12512 0	-10 1	11.6 4	230 SW	0	0	360	1	1 0.00 1	0.351711E-05	0.486818E-05	0.726860E-07	0.810743E-07	0.	0.0
1251	2 12513 0	-9 2	12.9 5	233 SW	0	0	360	2	2 0.00 1	0.951574E-05	0.966659E-05	0.876589E-07	0.729040E-07	0.	0.0
1251	2 12514 0	-9 2	13.1 5	246 WSW	0	0	360	2	2 0.00 1	0.937046E-05	0.951901E-05	0.863206E-07	0.717910E-07	0.	0.0
1251	2 12515 0	-8 3	11.1 4	244 WSW	0	0	360	3	3 0.00 1	0.230583E-04	0.167705E-04	0.556541E-06	0.334522E-06	0.	0.0
1251	2 12516 0	-6 4	11.4 4	249 WSW	0	0	360	4	4 1.11 1	0.482728E-04	0.230364E-04	0.213015E-05	0.861472E-06	0.	0.0
1251	2 12517 0	-4 4	9.8 4	246 WSW	0	0	360	4	4 1.22 1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0
1251	2 12518 0	0 5	7.2 3	229 SW	0	0	360	5	5 1.86 1	0.114585E-03	0.471072E-04	0.647452E-05	0.206360E-05	0.	0.0
1251	2 12519 0	7 5	2.6 2	181 S	0	0	360	5	5 3.00 3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
1252	2 12520 0	11 6	2.4 2	174 S	0	0	360	6	6 4.00 3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
1252	2 12521 0	18 6	2.9 2	172 S	0	0	360	6	6 4.00 3	0.311055E-03	0.183256E-03	0.316839E-04	0.820253E-05	0.	0.0
1252	2 12522 0	25 7	2.2 2	136 SE	0	0	360	7	7 6.00 3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
1252	2 12523 0	20 6	2.4 2	169 S	0	0	360	6	6 4.00 3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
1252	2 12524 0	21 6	2.5 2	172 S	0	0	360	6	6 4.00 3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
126	2 126 1 0	19 6	1.9 2	183 S	0	0	360	6	6 4.00 3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
126	2 126 2 0	18 6	2.1 2	164 SSE	0	0	360	6	6 4.00 3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
126	2 126 3 0	17 6	2.4 2	171 S	0	0	360	6	6 4.00 3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
126	2 126 4 0	17 6	3.0 2	178 S	0	0	360	6	6 4.00 3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
126	2 126 5 0	17 6	3.0 2	168 SSE	0	0	360	6	6 4.00 3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
, YE	1PPL YEAR 2002 DT 60-10A				8-NOV-04•••								PAGE	18	
'E	0DATE	TEMP GP	SPED GP	DIR GP	RA	RB	RANG	IRY	IRZ XQ LE 8		XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	H2 TER	
126	2 126 6 0	23 6	1.9 2	164 SSE	0	0	360	6	6 4.00 3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
126	2 126 7 0	18 6	1.2 2	126 SE	0	0	360	6	6 4.00 3	0.751717E-03	0.442869E-03	0.765694E-04	0.198228E-04	0.	0.0
126	2 126 8 0	20 6	1.6 2	121 ESE	0	0	360	6	6 4.00 3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
126	2 126 9 0	14 6	2.2 2	139 SE	0	0	360	6	6 4.00 3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
1261	2 12610 0	-4 4	5.3 3	202 SSW	0	0	360	4	4 1.80 3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
1261	2 12611 0	-7 4	9.3 4	230 SW	0	0	360	4	4 1.26 1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0
1261	2 12612 0	-9 2	10.7 4	231 SW	0	0	360	2	2 0.00 1	0.114722E-04	0.116541E-04	0.105682E-06	0.878936E-07	0.	0.0

1261	2	12613	0	-8	3	12.2	4	233	SW	0	0	360	3	3	0.00	1	0.209793E-04	0.152584E-04	0.506361E-06	0.304360E-06	0.	0.0
1261	2	12614	0	-10	1	10.7	4	236	SW	0	0	360	1	1	0.00	1	0.381294E-05	0.527765E-05	0.787998E-07	0.878936E-07	0.	0.0
1261	2	12615	0	-9	2	10.7	4	234	SW	0	0	360	2	2	0.00	1	0.114722E-04	0.116541E-04	0.105682E-06	0.878936E-07	0.	0.0
1261	2	12616	0	-6	4	9.4	4	228	SW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
1261	2	12617	0	-3	4	8.4	4	223	SW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
1261	2	12618	0	4	5	4.9	3	213	SSW	0	0	360	5	5	2.74	3	0.121758E-03	0.692188E-04	0.828896E-05	0.303223E-05	0.	0.0
1261	2	12619	0	15	6	3.2	2	205	SSW	0	0	360	6	6	4.00	3	0.281894E-03	0.166076E-03	0.287135E-04	0.743354E-05	0.	0.0
126:	2	12620	0	20	6	1.8	2	95	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
126:	2	12621	0	15	6	1.5	2	122	ESE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
126:	2	12622	0	25	7	2.5	2	166	SSE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0
126:	2	12623	0	29	7	1.3	2	37	NE	0	0	360	7	7	6.00	3	0.108840E-02	0.634236E-03	0.127401E-03	0.226937E-04	0.	0.0
126:	2	12624	0	33	7	1.3	2	245	WSW	0	0	360	7	7	6.00	3	0.108840E-02	0.634236E-03	0.127401E-03	0.226937E-04	0.	0.0
127	2	127	1	0	23	6	1.7	2	55	NE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
127	2	127	2	0	21	6	1.9	2	182	S	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
127	2	127	3	0	18	6	1.0	2	178	S	0	0	360	6	6	4.00	3	0.902061E-03	0.531442E-03	0.918833E-04	0.237873E-04	0.	0.0
127	2	127	4	0	16	6	1.5	2	67	ENE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
127	2	127	5	0	36	7	2.5	2	66	ENE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0
127	2	127	6	0	40	7	2.4	2	67	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
127	2	127	7	0	23	6	2.1	2	46	NE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
127	2	127	8	0	18	6	2.2	2	52	NE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
127	2	127	9	0	18	6	1.5	2	106	ESE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
1271	2	12710	0	5	5	1.8	2	132	SE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
1271	2	12711	0	-3	4	2.0	2	139	SE	0	0	360	4	4	2.00	3	0.205433E-03	0.131307E-03	0.103848E-04	0.491039E-05	0.	0.0
1271	2	12712	0	-2	5	3.1	2	103	ESE	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
1271	2	12713	0	-7	4	7.8	4	228	SW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
1271	2	12714	0	-9	2	8.3	4	237	WSW	0	0	360	2	2	0.00	1	0.147895E-04	0.150240E-04	0.136241E-06	0.113309E-06	0.	0.0
1271	2	12715	0	-7	4	10.8	4	235	SW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
1271	2	12716	0	-6	4	9.2	4	233	SW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
1271	2	12717	0	-1	5	4.6	3	222	SW	0	0	360	5	5	2.92	3	0.121758E-03	0.737330E-04	0.860344E-05	0.322999E-05	0.	0.0
1271	2	12718	0	17	6	2.0	2	128	SE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
1271	2	12719	0	34	7	2.0	2	26	NNE	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
127:	2	12720	0	44	7	1.8	2	58	ENE	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0
127:	2	12721	0	60	7	1.9	2	62	ENE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
127:	2	12722	0	73	7	1.9	2	73	ENE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
127:	2	12723	0	77	7	2.2	2	60	ENE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
127:	2	12724	0	75	7	2.5	2	60	ENE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0
128	2	128	1	0	64	7	2.3	2	60	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
128	2	128	2	0	56	7	2.0	2	65	ENE	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
128	2	128	3	0	32	7	2.4	2	53	NE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
128	2	128	4	0	21	6	0.9	2	100	E	0	0	360	6	6	4.00	3	0.100229E-02	0.590492E-03	0.102093E-03	0.264304E-04	0.	0.0
128	2	128	5	0	7	5	0.8	2	226	SW	0	0	360	5	5	3.00	3	0.680901E-03	0.423965E-03	0.488929E-04	0.185724E-04	0.	0.0
128	2	128	6	0	11	6	1.5	2	196	SSW	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
128	2	128	7	0	29	7	2.0	2	64	ENE	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
128	2	128	8	0	48	7	2.3	2	73	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
128	2	128	9	0	23	6	2.1	2	57	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
128:	2	12810	0	14	6	1.5	2	103	ESE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
128:	2	12811	0	1	5	1.8	2	145	SE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
128:	2	12812	0	-1	5	2.5	2	104	ESE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0

. YE/ 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 19

'E	0DATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
128:	2 12813	0	-3	4	3.9	3	152	SSE	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0					
128:	2 12814	0	-7	4	7.2	3	231	SW	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0					
128:	2 12815	0	-6	4	6.7	3	231	SW	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0					
128:	2 12816	0	-6	4	7.4	3	238	WSW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0					
128:	2 12817	0	-3	4	7.3	3	232	SW	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0					
128:	2 12818	0	5	5	2.9	2	183	S	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0					
128:	2 12819	0	25	7	2.3	2	61	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0					
128:	2 12820	0	42	7	2.2	2	58	ENE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0					
128:	2 12821	0	70	7	2.4	2	66	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0					
128:	2 12822	0	81	7	2.9	2	62	ENE	0	0	360	7	7	6.00	3	0.487902E-03	0.284313E-03	0.571109E-04	0.101730E-04	0.	0.0					
128:	2 12823	0	85	7	2.8	2	67	ENE	0	0	360	7	7	6.00	3	0.505328E-03	0.294467E-03	0.591506E-04	0.105364E-04	0.	0.0					

2824	2	12824	0	85	7	3.0	2	66	ENE	0	0	360	7	7	6.00	3	0.471639E-03	0.274836E-03	0.552072E-04	0.983393E-05	0.	0.0
29 1	2	129 1	0	80	7	3.1	2	66	ENE	0	0	360	7	7	6.00	3	0.456425E-03	0.265970E-03	0.534264E-04	0.951671E-05	0.	0.0
29 2	2	129 2	0	73	7	2.6	2	69	ENE	0	0	360	7	7	6.00	3	0.544199E-03	0.317118E-03	0.637007E-04	0.113468E-04	0.	0.0
29 3	2	129 3	0	67	7	2.7	2	61	ENE	0	0	360	7	7	6.00	3	0.524043E-03	0.305373E-03	0.613414E-04	0.109266E-04	0.	0.0
29 4	2	129 4	0	52	7	2.2	2	66	ENE	0	0	360	7	7	6.00	3	0.643144E-03	0.374776E-03	0.752826E-04	0.134099E-04	0.	0.0
29 5	2	129 5	0	34	7	1.4	2	35	NE	0	0	360	7	7	6.00	3	0.101066E-02	0.588933E-03	0.118301E-03	0.210727E-04	0.	0.0
29 6	2	129 6	0	21	6	1.0	2	77	ENE	0	0	360	6	6	4.00	3	0.902061E-03	0.531442E-03	0.918833E-04	0.237873E-04	0.	0.0
29 7	2	129 7	0	28	7	1.7	2	358	N	0	0	360	7	7	6.00	3	0.832304E-03	0.485004E-03	0.974245E-04	0.173540E-04	0.	0.0
29 8	2	129 8	0	23	6	1.4	2	72	ENE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
29 9	2	129 9	0	33	7	1.5	2	62	ENE	0	0	360	7	7	6.00	3	0.943278E-03	0.549671E-03	0.110414E-03	0.196679E-04	0.	0.0
2910	2	12910	0	24	7	1.8	2	98	E	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0
2911	2	12911	0	12	6	2.1	2	161	SSE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
2912	2	12912	0	-3	4	2.5	2	127	SE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
2913	2	12913	0	-8	3	6.2	3	221	SW	0	0	360	3	3	0.00	1	0.412818E-04	0.300245E-04	0.996388E-06	0.598902E-06	0.	0.0
2914	2	12914	0	-7	4	9.5	4	229	SW	0	0	360	4	4	1.24	1	0.579274E-04	0.276437E-04	0.249227E-05	0.103377E-05	0.	0.0
2915	2	12915	0	-7	4	6.1	3	219	SW	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
2916	2	12916	0	-5	4	6.9	3	217	SW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
2917	2	12917	0	-2	5	9.0	4	233	SW	0	0	360	5	5	1.49	1	0.916681E-04	0.376858E-04	0.552758E-05	0.165088E-05	0.	0.0
2918	2	12918	0	3	5	4.1	3	192	SSW	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
2919	2	12919	0	10	6	2.3	2	172	S	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
292	2	12920	0	20	6	1.8	2	89	E	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
2921	2	12921	0	34	7	2.1	2	47	NE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
292	2	12922	0	43	7	2.0	2	50	NE	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
292	2	12923	0	46	7	2.3	2	47	NE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
292	2	12924	0	42	7	1.9	2	33	NNE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
30	2	130 1	0	35	7	1.9	2	39	NE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
30	2	130 2	0	50	7	1.9	2	74	ENE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
30	2	130 3	0	24	7	3.2	2	29	NNE	0	0	360	7	7	6.00	3	0.442162E-03	0.257658E-03	0.517568E-04	0.921931E-05	0.	0.0
30	2	130 4	0	6	5	2.9	2	230	SW	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
30	2	130 5	0	12	6	2.3	2	188	S	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
30	2	130 6	0	7	5	2.0	2	139	SE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
30	2	130 7	0	12	6	1.6	2	42	NE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
30	2	130 8	0	15	6	1.8	2	164	SSE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
30	2	130 9	0	6	5	2.2	2	150	SSE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
301	2	13010	0	6	5	1.9	2	151	SSE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
301	2	13011	0	4	5	2.0	2	90	E	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
301	2	13012	0	1	5	2.2	2	102	ESE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
301	2	13013	0	-1	5	3.2	2	276	W	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
301	2	13014	0	-1	5	7.6	4	21	NNE	0	0	360	5	5	1.77	1	0.108554E-03	0.446279E-04	0.623708E-05	0.195499E-05	0.	0.0
301	2	13015	0	-3	4	4.9	3	51	NE	0	0	360	4	4	1.89	3	0.888050E-04	0.535949E-04	0.431690E-05	0.200424E-05	0.	0.0
301	2	13016	0	-3	4	4.9	3	36	NE	0	0	360	4	4	1.89	3	0.888050E-04	0.535949E-04	0.431690E-05	0.200424E-05	0.	0.0
301	2	13017	0	-3	4	4.2	3	36	NE	0	0	360	4	4	2.00	3	0.978254E-04	0.625274E-04	0.494516E-05	0.233828E-05	0.	0.0
301	2	13018	0	-1	5	4.0	3	27	NNE	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
301	2	13019	0	-2	5	4.2	3	51	NE	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0

YRA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 20

S	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
1302	2	13020	0	-3	4	7.2	3	34	NE	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1302	2	13021	0	-4	4	8.6	4	41	NE	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
1302	2	13022	0	-4	4	7.2	3	44	NE	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
1302	2	13023	0	-4	4	6.8	3	38	NE	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
1302	2	13024	0	-4	4	5.6	3	44	NE	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
131	2	131 1	0	-4	4	6.5	3	42	NE	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
131	2	131 2	0	-4	4	5.3	3	42	NE	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
131	2	131 3	0	-4	4	4.5	3	39	NE	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
131	2	131 4	0	-2	5	4.5	3	40	NE	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
131	2	131 5	0	-1	5	4.6	3	36	NE	0	0	360	5	5	2.92	3	0.121758E-03	0.737330E-04	0.860344E-05	0.322999E-05	0.	0.0
131	2	131 6	0	-1	5	5.1	3	46	NE	0	0	360	5	5	2.63	3	0.121758E-03	0.665043E-04	0.809177E-05	0.291332E-05	0.	0.0
131	2	131 7	0	0	5	4.4	3	32	NNE	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
131	2	131 8	0	0	5	5.6	3	13	NNE	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
131	2	131 9	0	0	5	3.8	3	38	NE	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
1311	2	13110	0	-3	4	5.5	3	103	ESE	0	0	360	4	4	1.76	3	0.850982E-04	0.477482E-04	0.393225E-05	0.178560E-05	0.	0.0

131	2	13111	0	-3	4	5.2	3	120	ESE	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
131	2	13112	0	-3	4	3.1	2	113	ESE	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
131	2	13113	0	-3	4	4.9	3	155	SSE	0	0	360	4	4	1.89	3	0.888050E-04	0.535949E-04	0.431690E-05	0.200424E-05	0.	0.0
131	2	13114	0	-4	4	6.1	3	162	SSE	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
131	2	13115	0	-4	4	4.3	3	136	SE	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
131	2	13116	0	-4	4	5.4	3	139	SE	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
131	2	13117	0	-4	4	3.9	3	100	E	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
131	2	13118	0	-4	4	4.5	3	126	SE	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
131	2	13119	0	-4	4	5.9	3	144	SE	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
131	2	13120	0	-4	4	4.1	3	148	SSE	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
131	2	13121	0	-4	4	4.4	3	140	SE	0	0	360	4	4	2.00	3	0.933788E-04	0.596852E-04	0.472038E-05	0.223199E-05	0.	0.0
131	2	13122	0	-4	4	3.5	2	128	SE	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0
131	2	13123	0	-3	4	2.7	2	65	ENE	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
131	2	13124	0	-3	4	2.0	2	69	ENE	0	0	360	4	4	2.00	3	0.205433E-03	0.131307E-03	0.103848E-04	0.491039E-05	0.	0.0
2 1	2	2 1	1 0	-3	4	2.2	2	109	ESE	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0
2 1	2	2 1	2 0	-4	4	3.7	3	109	ESE	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
2 1	2	2 1	3 0	-4	4	5.2	3	111	ESE	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
2 1	2	2 1	4 0	-3	4	3.4	2	96	E	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
2 1	2	2 1	5 0	-3	4	3.7	3	114	ESE	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
2 1	2	2 1	6 0	-3	4	4.0	3	147	SSE	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
2 1	2	2 1	7 0	-3	4	3.3	2	142	SE	0	0	360	4	4	2.00	3	0.124505E-03	0.795803E-04	0.629384E-05	0.297599E-05	0.	0.0
2 1	2	2 1	8 0	-3	4	4.3	3	107	ESE	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
2 1	2	2 1	9 0	-1	5	2.8	2	83	E	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
2 1	2	2 110	0	0	5	2.9	2	82	E	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
2 1	2	2 111	0	6	5	4.2	3	15	NNE	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
2 1	2	2 112	0	17	6	2.0	2	130	SE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
2 1	2	2 113	0	14	6	4.1	3	169	S	0	0	360	6	6	4.00	3	0.220015E-03	0.129620E-03	0.224106E-04	0.580179E-05	0.	0.0
2 1	2	2 114	0	0	5	7.2	3	237	WSW	0	0	360	5	5	1.86	1	0.114585E-03	0.471072E-04	0.647452E-05	0.206360E-05	0.	0.0
2 1	2	2 115	0	-2	5	6.5	3	226	SW	0	0	360	5	5	2.06	3	0.121758E-03	0.521803E-04	0.693665E-05	0.228584E-05	0.	0.0
2 1	2	2 116	0	-4	4	10.6	4	242	WSW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
2 1	2	2 117	0	-3	4	20.8	5	271	W	0	0	360	4	4	0.00	1	0.264572E-04	0.126257E-04	0.117455E-05	0.472153E-06	0.	0.0
2 1	2	2 118	0	-3	4	18.6	5	273	W	0	0	360	4	4	0.00	1	0.295866E-04	0.141191E-04	0.131347E-05	0.527999E-06	0.	0.0
2 1	2	2 119	0	-3	4	19.3	5	265	W	0	0	360	4	4	0.00	1	0.285135E-04	0.136070E-04	0.126584E-05	0.508848E-06	0.	0.0
2 1	2	2 120	0	-3	4	16.3	5	257	WSW	0	0	360	4	4	0.00	1	0.337613E-04	0.161113E-04	0.149881E-05	0.602502E-06	0.	0.0
2 1	2	2 121	0	-4	4	13.5	5	273	W	0	0	360	4	4	0.00	1	0.407637E-04	0.194530E-04	0.180968E-05	0.727465E-06	0.	0.0
2 1	2	2 122	0	-4	4	11.7	4	294	WNW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
2 1	2	2 123	0	-4	4	13.3	5	312	NW	0	0	360	4	4	1.01	1	0.413767E-04	0.197455E-04	0.183689E-05	0.738404E-06	0.	0.0
2 1	2	2 124	0	-4	4	16.3	5	311	NW	0	0	360	4	4	0.00	1	0.337613E-04	0.161113E-04	0.149881E-05	0.602502E-06	0.	0.0
2 2	2	2 2 1	0	-4	4	12.5	4	320	NW	0	0	360	4	4	1.05	1	0.440248E-04	0.210092E-04	0.195445E-05	0.785662E-06	0.	0.0
2 2	2	2 2 2	0	-4	4	16.2	5	321	NW	0	0	360	4	4	0.00	1	0.339697E-04	0.162108E-04	0.150806E-05	0.606221E-06	0.	0.0

L YE 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 21

TR	0DATR		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
2 2	2	2 3	0	-4	4	11.7	4	326	NW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0							
2 2	2	2 4	0	-4	4	9.9	4	329	NNW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0							
2 2	2	2 5	0	-4	4	13.0	5	318	NW	0	0	360	4	4	1.02	1	0.423315E-04	0.202011E-04	0.187928E-05	0.755444E-06	0.	0.0							
2 2	2	2 6	0	-4	4	10.2	4	327	NNW	0	0	360	4	4	1.19	1	0.539519E-04	0.257466E-04	0.234490E-05	0.962821E-06	0.	0.0							
2 2	2	2 7	0	-4	4	8.0	4	342	NNW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0							
2 2	2	2 8	0	-4	4	8.0	4	345	NNW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0							
2 2	2	2 9	0	-6	4	8.4	4	331	NNW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0							
2 2	2	210	0	-6	4	8.6	4	343	NNW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0							
2 2	2	211	0	-6	4	10.8	4	330	NNW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0							
2 2	2	212	0	-7	4	10.2	4	330	NNW	0	0	360	4	4	1.19	1	0.539519E-04	0.257466E-04	0.234490E-05	0.962821E-06	0.	0.0							
2 2	2	213	0	-6	4	12.6	5	318	NW	0	0	360	4	4	1.04	1	0.436754E-04	0.208424E-04	0.193894E-05	0.779427E-06	0.	0.0							
2 2	2	214	0	-6	4	10.8	4	328	NNW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0							
2 2	2	215	0	-6	4	11.2	4	325	NW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0							
2 2	2	216	0	-6	4	9.3	4	304	NW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0							
2 2	2	217	0	-5	4	7.4	3	307	NW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0							
2 2	2	218	0	-3	4	7.6	4	326	NW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0							
2 2	2	219	0	3	5	5.0	3	4	N	0	0	360	5	5	2.68	3	0.121758E-03	0.678344E-04	0.818918E-05	0.297159E-05	0.	0.0							
2 2	2	220	0	0	5	2.3	2	104	ESE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0							
2 2	2	221	0	4	5	1.5	2	68	ENE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0							

2 2:	2 2	222	0	8	6	2.2	2	69	ENE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
2 2:	2 2	223	0	6	5	2.2	2	73	ENE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
2 2:	2 2	224	0	4	5	1.6	2	92	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 3	2 2	3 1	0	0	5	1.3	2	93	E	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
2 3	2 2	3 2	0	3	5	1.6	2	76	ENE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 3	2 2	3 3	0	7	5	2.3	2	72	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
2 3	2 2	3 4	0	9	6	2.7	2	67	ENE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
2 3	2 2	3 5	0	10	6	2.9	2	64	ENE	0	0	360	6	6	4.00	3	0.311055E-03	0.183256E-03	0.316839E-04	0.820253E-05	0.	0.0
2 3	2 2	3 6	0	10	6	2.6	2	63	ENE	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0
2 3	2 2	3 7	0	20	6	2.5	2	65	ENE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
2 3	2 2	3 8	0	22	6	2.0	2	77	ENE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
2 3	2 2	3 9	0	34	7	1.5	2	51	NE	0	0	360	7	7	6.00	3	0.943278E-03	0.549671E-03	0.110414E-03	0.196679E-04	0.	0.0
2 3:	2 2	310	0	13	6	1.9	2	127	SE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
2 3.	2 2	311	0	-7	4	7.6	4	196	SSW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
2 3.	2 2	312	0	-8	3	11.2	4	206	SSW	0	0	360	3	3	0.00	1	0.228524E-04	0.166207E-04	0.551572E-06	0.331535E-06	0.	0.0
2 3.	2 2	313	0	-9	2	11.2	4	217	SW	0	0	360	2	2	0.00	1	0.109601E-04	0.111338E-04	0.100964E-06	0.839698E-07	0.	0.0
2 3.	2 2	314	0	-9	2	11.6	4	222	SW	0	0	360	2	2	0.00	1	0.105822E-04	0.107499E-04	0.974828E-07	0.810743E-07	0.	0.0
2 3	2 2	315	0	-7	4	8.6	4	211	SSW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
2 3:	2 2	316	0	-6	4	8.1	4	196	SSW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
2 3:	2 2	317	0	-4	4	7.0	3	198	SSW	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
2 3:	2 2	318	0	0	5	3.3	2	194	SSW	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0
2 3.	2 2	319	0	-1	5	4.2	3	212	SSW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
2 3:	2 2	320	0	1	5	3.5	2	194	SSW	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
2 3:	2 2	321	0	5	5	3.7	3	213	SSW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
2 3:	2 2	322	0	8	6	4.3	3	224	SW	0	0	360	6	6	4.00	3	0.209782E-03	0.123591E-03	0.213682E-04	0.553194E-05	0.	0.0
2 3:	2 2	323	0	17	6	1.6	2	97	E	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
2 3:	2 2	324	0	6	5	1.5	2	82	E	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
2 4	2 2	4 1	0	9	6	2.4	2	146	SE	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
2 4	2 2	4 2	0	9	6	2.2	2	177	S	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
2 4	2 2	4 3	0	9	6	1.1	2	156	SSE	0	0	360	6	6	4.00	3	0.820055E-03	0.483129E-03	0.835303E-04	0.216248E-04	0.	0.0
2 4	2 2	4 4	0	11	6	1.7	2	161	SSE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
2 4	2 2	4 5	0	4	5	3.3	2	184	S	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0:	0.0
2 4	2 2	4 6	0	8	6	1.3	2	68	ENE	0	0	360	6	6	4.00	3	0.693893E-03	0.408802E-03	0.706795E-04	0.182979E-04	0.	0.0
2 4	2 2	4 7	0	12	6	1.6	2	78	ENE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
2 4	2 2	4 8	0	10	6	1.7	2	74	ENE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
2 4	2 2	4 9	0	13	6	1.3	2	82	E	0	0	360	6	6	4.00	3	0.693893E-03	0.408802E-03	0.706795E-04	0.182979E-04	0.	0.0

: YE 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 22

TE	ODATE			TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
2 4	2 2	410	0	5	5	1.6	2	67	ENE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 4	2 2	411	0	-1	5	2.0	2	100	E	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
2 4	2 2	412	0	-5	4	4.2	3	230	SW	0	0	360	4	4	2.00	3	0.978254E-04	0.625274E-04	0.494516E-05	0.233828E-05	0.	0.0
2 4	2 2	413	0	-4	4	2.8	2	131	SE	0	0	360	4	4	2.00	3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0
2 4	2 2	414	0	-4	4	5.0	3	255	WSW	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
2 4	2 2	415	0	-3	4	9.4	4	295	WNW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
2 4	2 2	416	0	-4	4	7.5	3	243	WSW	0	0	360	4	4	1.44	1	0.733746E-04	0.350153E-04	0.304420E-05	0.130944E-05	0.	0.0
2 4	2 2	417	0	-4	4	9.3	4	316	NW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0
2 4	2 2	418	0	-5	4	13.9	5	337	NNW	0	0	360	4	4	0.00	1	0.395906E-04	0.188932E-04	0.175760E-05	0.706531E-06	0.	0.0
2 4	2 2	419	0	-5	4	11.7	4	331	NNW	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
2 4:	2 2	420	0	-5	4	11.8	4	331	NNW	0	0	360	4	4	1.08	1	0.466364E-04	0.222555E-04	0.206730E-05	0.832269E-06	0.	0.0
2 4:	2 2	421	0	-6	4	12.8	5	322	NW	0	0	360	4	4	1.03	1	0.429930E-04	0.205168E-04	0.190864E-05	0.767248E-06	0.	0.0
2 4.	2 2	422	0	-5	4	10.6	4	341	NNW	0	0	360	4	4	1.16	1	0.519160E-04	0.247750E-04	0.226850E-05	0.926488E-06	0.	0.0
2 4.	2 2	423	0	-5	4	10.2	4	332	NNW	0	0	360	4	4	1.19	1	0.539519E-04	0.257466E-04	0.234490E-05	0.962821E-06	0.	0.0
2 4:	2 2	424	0	-5	4	10.9	4	336	NNW	0	0	360	4	4	1.14	1	0.504871E-04	0.240931E-04	0.221449E-05	0.900989E-06	0.	0.0
2 5	2 2	5 1	0	-5	4	7.8	4	336	NNW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
2 5	2 2	5 2	0	-5	4	10.0	4	321	NW	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0
2 5	2 2	5 3	0	-5	4	5.8	3	339	NNW	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
2 5	2 2	5 4	0	-5	4	6.5	3	340	NNW	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
2 5	2 2	5 5	0	-4	4	6.8	3	348	NNW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
2 5	2 2	5 6	0	-5	4	7.3	3	325	NW	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0
2 5	2 2	5 7	0	-5	4	6.6	3	331	NNW	0	0	360	4	4	1.56	3	0.795599E-04	0.397901E-04	0.338605E-05	0.148800E-05	0.	0.0
2 5	2 2	5 8	0	-5	4	5.9	3	308	NW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0

2 5	2 2 5 9 0	-6 4	6.7 3	313	NW	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0
2 51	2 2 510 0	-6 4	7.6 4	322	NW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
2 51	2 2 511 0	-6 4	9.3 4	293	WNW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0
2 51	2 2 512 0	-7 4	9.7 4	259	W	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
2 51	2 2 513 0	-10 1	11.4 4	238	WSW	0	0	360	1	1	0.00	1	0.357881E-05	0.495358E-05	0.739612E-07	0.824967E-07	0.	0.0
2 51	2 2 514 0	-11 1	12.7 5	228	SW	0	0	360	1	1	0.00	1	0.321248E-05	0.444652E-05	0.663904E-07	0.740521E-07	0.	0.0
2 51	2 2 515 0	-9 2	12.9 5	227	SW	0	0	360	2	2	0.00	1	0.951574E-05	0.966659E-05	0.876589E-07	0.729040E-07	0.	0.0
2 51	2 2 516 0	-8 3	14.2 5	237	WSW	0	0	360	3	3	0.00	1	0.180245E-04	0.131093E-04	0.435042E-06	0.261492E-06	0.	0.0
2 51	2 2 517 0	-6 4	14.5 5	237	WSW	0	0	360	4	4	0.00	1	0.379524E-04	0.181114E-04	0.168487E-05	0.677295E-06	0.	0.0
2 51	2 2 518 0	-4 4	11.1 4	231	SW	0	0	360	4	4	1.13	1	0.495775E-04	0.236590E-04	0.217994E-05	0.884755E-06	0.	0.0
2 51	2 2 519 0	-3 4	9.8 4	232	SW	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0
2 52	2 2 520 0	-1 5	7.2 3	223	SW	0	0	360	5	5	1.86	1	0.114585E-03	0.471072E-04	0.647452E-05	0.206360E-05	0.	0.0
2 52	2 2 521 0	0 5	4.9 3	231	SW	0	0	360	5	5	2.74	3	0.121758E-03	0.692188E-04	0.828896E-05	0.303223E-05	0.	0.0
2 52	2 2 522 0	-3 4	2.7 2	110	ESE	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
2 52	2 2 523 0	0 5	2.6 2	202	SSW	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
2 52	2 2 524 0	0 5	3.0 2	249	WSW	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
2 6	2 2 6 1 0	-1 5	4.2 3	280	W	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
2 6	2 2 6 2 0	-1 5	2.7 2	261	W	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
2 6	2 2 6 3 0	-2 5	2.6 2	239	WSW	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
2 6	2 2 6 4 0	-1 5	3.0 2	237	WSW	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
2 6	2 2 6 5 0	-3 4	2.7 2	223	SW	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
2 6	2 2 6 6 0	-3 4	2.2 2	102	ESE	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0
2 6	2 2 6 7 0	-3 4	1.9 2	102	ESE	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
2 6	2 2 6 8 0	3 5	2.0 2	190	S	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
2 6	2 2 6 9 0	0 5	4.2 3	208	SSW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
2 61	2 2 610 0	-6 4	7.2 3	221	SW	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
2 61	2 2 611 0	-9 2	10.2 4	224	SW	0	0	360	2	2	0.00	1	0.120346E-04	0.122254E-04	0.110863E-06	0.922021E-07	0.	0.0
2 61	2 2 612 0	-9 2	12.0 4	228	SW	0	0	360	2	2	0.00	1	0.102294E-04	0.103916E-04	0.942333E-07	0.783718E-07	0.	0.0
2 61	2 2 613 0	-9 2	11.2 4	227	SW	0	0	360	2	2	0.00	1	0.109601E-04	0.111338E-04	0.100964E-06	0.839698E-07	0.	0.0
2 61	2 2 614 0	-10 1	11.1 4	228	SW	0	0	360	1	1	0.00	1	0.367554E-05	0.508746E-05	0.759602E-07	0.847263E-07	0.	0.0
2 61	2 2 615 0	-9 2	10.0 4	220	SW	0	0	360	2	2	0.00	1	0.122753E-04	0.124699E-04	0.113080E-06	0.940462E-07	0.	0.0
2 61	2 2 616 0	-7 4	8.7 4	226	SW	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04··· PAGE 23

E	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
2 61	2 2 617 0	-4 4	5.7 3	209	SSW	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
2 61	2 2 618 0	0 5	4.2 3	192	SSW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
2 61	2 2 619 0	1 5	2.1 2	165	SSE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 62	2 2 620 0	10 6	2.4 2	168	SSE	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
2 62	2 2 621 0	7 5	1.6 2	102	ESE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 62	2 2 622 0	3 5	1.6 2	223	SW	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 62	2 2 623 0	6 5	1.7 2	102	ESE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
2 62	2 2 624 0	4 5	1.6 2	68	ENE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2 7	2 2 7 1 0	2 5	1.3 2	216	SW	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
2 7	2 2 7 2 0	13 6	1.5 2	78	ENE	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
2 7	2 2 7 3 0	6 5	1.0 2	56	NE	0	0	360	5	5	3.00	3	0.544721E-03	0.339172E-03	0.391144E-04	0.148579E-04	0.	0.0
2 7	2 2 7 4 0	11 6	1.3 2	94	E	0	0	360	6	6	4.00	3	0.693893E-03	0.408802E-03	0.706795E-04	0.182979E-04	0.	0.0
2 7	2 2 7 5 0	6 5	1.3 2	53	NE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
2 7	2 2 7 6 0	9 6	1.6 2	58	ENE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
2 7	2 2 7 7 0	10 6	1.8 2	70	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
2 7	2 2 7 8 0	6 5	1.4 2	76	ENE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 7	2 2 7 9 0	5 5	1.4 2	79	E	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
2 71	2 2 710 0	0 5	2.1 2	50	NE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
2 71	2 2 711 0	-2 5	2.5 2	66	ENE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
2 71	2 2 712 0	-3 4	1.6 2	100	E	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0
2 71	2 2 713 0	-3 4	2.4 2	31	NNE	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0
2 71	2 2 714 0	-3 4	2.5 2	56	NE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
2 71	2 2 715 0	-8 3	5.3 3	217	SW	0	0	360	3	3	0.00	1	0.482920E-04	0.351230E-04	0.116559E-05	0.700602E-06	0.	0.0
2 71	2 2 716 0	-8 3	6.4 3	233	SW	0	0	360	3	3	0.00	1	0.399918E-04	0.290863E-04	0.965250E-06	0.580186E-06	0.	0.0
2 71	2 2 717 0	-6 4	6.4 3	237	WSW	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
2 71	2 2 718 0	-1 5	2.6 2	199	SSW	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
2 71	2 2 719 0	12 6	2.0 2	77	ENE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0

2 7:	2 2 720 0	23 6	2.2 2	72	ENE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
2 7:	2 2 721 0	17 6	1.8 2	62	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
2 7:	2 2 722 0	12 6	1.2 2	57	ENE	0	0	360	6	6	4.00	3	0.751717E-03	0.442869E-03	0.765694E-04	0.198228E-04	0.	0.0
2 7:	2 2 723 0	21 6	1.3 2	66	ENE	0	0	360	6	6	4.00	3	0.693893E-03	0.408802E-03	0.706795E-04	0.182979E-04	0.	0.0
2 7:	2 2 724 0	23 6	2.1 2	71	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
2 8	2 2 8 1 0	17 6	7.2 3	351	N	0	0	360	6	6	2.19	2	0.167049E-03	0.738114E-04	0.165179E-04	0.330380E-05	0.	0.0
2 8	2 2 8 2 0	0 5	6.0 3	338	NNW	0	0	360	5	5	2.24	3	0.121758E-03	0.565287E-04	0.730930E-05	0.247632E-05	0.	0.0
2 8	2 2 8 3 0	3 5	4.5 3	300	WNW	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
2 8	2 2 8 4 0	7 5	3.4 2	223	SW	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
2 8	2 2 8 5 0	3 5	4.0 3	220	SW	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
2 8	2 2 8 6 0	-1 5	4.9 3	259	W	0	0	360	5	5	2.74	3	0.121758E-03	0.692188E-04	0.828896E-05	0.303223E-05	0.	0.0
2 8	2 2 8 7 0	0 5	4.2 3	257	WSW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
2 8	2 2 8 8 0	1 5	3.9 3	250	WSW	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
2 8	2 2 8 9 0	0 5	3.4 2	153	SSE	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
2 8:	2 2 810 0	-1 5	3.7 3	126	SE	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
2 8:	2 2 811 0	-6 4	6.4 3	269	W	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
2 8:	2 2 812 0	-9 2	9.1 4	246	WSW	0	0	360	2	2	0.00	1	0.134893E-04	0.137032E-04	0.124264E-06	0.103347E-06	0.	0.0
2 8:	2 2 813 0	-10 1	10.8 4	227	SW	0	0	360	1	1	0.00	1	0.377763E-05	0.522878E-05	0.780702E-07	0.870798E-07	0.	0.0
2 8:	2 2 814 0	-10 1	10.5 4	220	SW	0	0	360	1	1	0.00	1	0.388557E-05	0.537818E-05	0.803008E-07	0.895678E-07	0.	0.0
2 8:	2 2 815 0	-9 2	9.4 4	226	SW	0	0	360	2	2	0.00	1	0.130588E-04	0.132659E-04	0.120298E-06	0.100049E-06	0.	0.0
2 8:	2 2 816 0	-7 4	10.5 4	226	SW	0	0	360	4	4	1.17	1	0.524105E-04	0.250109E-04	0.228711E-05	0.935312E-06	0.	0.0
2 8:	2 2 817 0	-5 4	12.0 4	230	SW	0	0	360	4	4	1.07	1	0.458592E-04	0.218846E-04	0.203588E-05	0.818398E-06	0.	0.0
2 8:	2 2 818 0	0 5	5.7 3	215	SW	0	0	360	5	5	2.35	3	0.121758E-03	0.595039E-04	0.755275E-05	0.260666E-05	0.	0.0
2 8:	2 2 819 0	10 6	1.7 2	117	ESE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
2 8:	2 2 820 0	21 6	2.8 2	148	SSE	0	0	360	6	6	4.00	3	0.322165E-03	0.189801E-03	0.328155E-04	0.849547E-05	0.	0.0
2 8:	2 2 821 0	19 6	2.6 2	184	S	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0
2 8:	2 2 822 0	25 7	2.4 2	143	SE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
2 8:	2 2 823 0	18 6	6.1 3	9	N	0	0	360	6	6	2.70	2	0.197173E-03	0.871217E-04	0.179985E-04	0.389956E-05	0.	0.0

, YE 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 24

'E	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
2 8:	2 2 824 0	-2	5	7.2	3	2	N	0	0	360	5	5	1.86	1	0.114585E-03	0.471072E-04	0.647452E-05	0.206360E-05	0.	0.0					
2 9	2 2 9 1 0	-1	5	7.0	3	10	N	0	0	360	5	5	1.92	1	0.117859E-03	0.484531E-04	0.660015E-05	0.212256E-05	0.	0.0					
2 9	2 2 9 2 0	-1	5	7.4	3	359	N	0	0	360	5	5	1.81	1	0.111488E-03	0.458340E-04	0.635358E-05	0.200783E-05	0.	0.0					
2 9	2 2 9 3 0	-1	5	5.1	3	7	N	0	0	360	5	5	2.63	3	0.121758E-03	0.665043E-04	0.809177E-05	0.291332E-05	0.	0.0					
2 9	2 2 9 4 0	4	5	3.4	2	217	SW	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0					
2 9	2 2 9 5 0	15	6	2.3	2	31	NNE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0					
2 9	2 2 9 6 0	17	6	3.7	3	36	NE	0	0	360	6	6	4.00	3	0.243800E-03	0.143633E-03	0.248333E-04	0.642901E-05	0.	0.0					
2 9	2 2 9 7 0	14	6	3.0	2	33	NNE	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0					
2 9	2 2 9 8 0	14	6	2.0	2	145	SE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0					
2 9	2 2 9 9 0	13	6	2.3	2	67	ENE	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0					
2 9:	2 2 910 0	-6	4	5.1	3	54	NE	0	0	360	4	4	1.84	3	0.875033E-04	0.514931E-04	0.418013E-05	0.192564E-05	0.	0.0					
2 9:	2 2 911 0	-7	4	5.0	3	81	E	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0					
2 9:	2 2 912 0	-6	4	4.3	3	94	E	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0					
2 9:	2 2 913 0	-5	4	4.0	3	345	NNW	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0					
2 9:	2 2 914 0	-6	4	2.8	2	40	NE	0	0	360	4	4	2.00	3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0					
2 9:	2 2 915 0	-8	3	5.2	3	193	SSW	0	0	360	3	3	0.00	1	0.492207E-04	0.357985E-04	0.118800E-05	0.714076E-06	0.	0.0					
2 9:	2 2 916 0	-7	4	7.1	3	146	SE	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0					
2 9:	2 2 917 0	-5	4	8.1	4	150	SSE	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0					
2 9:	2 2 918 0	-1	5	4.8	3	153	SSE	0	0	360	5	5	2.80	3	0.121758E-03	0.706608E-04	0.839120E-05	0.309540E-05	0.	0.0					
2 9:	2 2 919 0	-1	5	3.9	3	160	SSE	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0					
2 9:	2 2 920 0	0	5	4.0	3	165	SSE	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0					
2 9:	2 2 921 0	2	5	3.8	3	167	SSE	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0					
2 9:	2 2 922 0	0	5	6.9	3	158	SSE	0	0	360	5	5	1.95	1	0.119567E-03	0.491554E-04	0.666481E-05	0.215333E-05	0.	0.0					
2 9:	2 2 923 0	-1	5	6.1	3	171	S	0	0	360	5	5	2.20	3	0.121758E-03	0.556020E-04	0.723160E-05	0.243573E-05	0.	0.0					
2 9:	2 2 924 0	-1	5	6.2	3	170	S	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0					
210	2 210 1 0	-1	5	5.8	3	159	SSE	0	0	360	5	5	2.31	3	0.121758E-03	0.584779E-04	0.746982E-05	0.256171E-05	0.	0.0					
210	2 210 2 0	-3	4	5.6	3	157	SSE	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0					
210	2 210 3 0	-4	4	6.0	3	153	SSE	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0					
210	2 210 4 0	-4	4	6.1	3	145	SE	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0					
210	2 210 5 0	-4	4	4.1	3	152	SSE	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0					
210	2 210 6 0	-3	4	4.2	3	171	S	0	0	360	4	4	2.00	3	0.978254E-04	0.625274E-04	0.494516E-05	0.233828E-05	0.	0.0					

210	2	210	7	0	-3	4	5.6	3	153	SSE	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
210	2	210	8	0	-4	4	5.0	3	156	SSE	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
210	2	210	9	0	-4	4	4.1	3	175	S	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
2101	2	21010	0		-5	4	7.3	3	157	SSE	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0
2101	2	21011	0		-4	4	8.3	4	147	SSE	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
2101	2	21012	0		-3	4	4.6	3	162	SSE	0	0	360	4	4	1.97	3	0.909002E-04	0.570902E-04	0.454079E-05	0.213495E-05	0.	0.0
2101	2	21013	0		-4	4	3.7	3	160	SSE	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
2101	2	21014	0		-4	4	5.8	3	170	S	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
2101	2	21015	0		-4	4	6.3	3	189	S	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
2101	2	21016	0		-4	4	7.8	4	168	SSE	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
2101	2	21017	0		-2	5	8.9	4	184	S	0	0	360	5	5	1.51	1	0.926981E-04	0.381092E-04	0.557287E-05	0.166943E-05	0.	0.0
2101	2	21018	0		0	5	6.9	3	216	SW	0	0	360	5	5	1.95	1	0.119567E-03	0.491554E-04	0.666481E-05	0.215333E-05	0.	0.0
2101	2	21019	0		1	5	4.3	3	224	SW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
2102	2	21020	0		10	6	3.5	2	196	SSW	0	0	360	6	6	4.00	3	0.257732E-03	0.151841E-03	0.262524E-04	0.679638E-05	0.	0.0
2102	2	21021	0		6	5	6.9	3	224	SW	0	0	360	5	5	1.95	1	0.119567E-03	0.491554E-04	0.666481E-05	0.215333E-05	0.	0.0
2102	2	21022	0		-1	5	8.5	4	234	SW	0	0	360	5	5	1.58	1	0.970603E-04	0.399026E-04	0.576166E-05	0.174799E-05	0.	0.0
2102	2	21023	0		0	5	4.1	3	208	SSW	0	0	360	5	5	3.00	3	0.132859E-03	0.827249E-04	0.954009E-05	0.362389E-05	0.	0.0
2102	2	21024	0		2	5	1.8	2	104	ESE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
211	2	211	1	0	4	5	3.8	3	215	SW	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
211	2	211	2	0	2	5	3.8	3	201	SSW	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
211	2	211	3	0	3	5	3.8	3	202	SSW	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
211	2	211	4	0	0	5	7.3	3	223	SW	0	0	360	5	5	1.84	1	0.113015E-03	0.464619E-04	0.641348E-05	0.203533E-05	0.	0.0
211	2	211	5	0	-2	5	12.1	4	230	SW	0	0	360	5	5	1.11	1	0.681829E-04	0.280307E-04	0.436766E-05	0.122793E-05	0.	0.0
211	2	211	6	0	-4	4	15.0	5	279	W	0	0	360	4	4	0.00	1	0.366873E-04	0.175077E-04	0.162871E-05	0.654718E-06	0.	0.0

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04*** PAGE 25

E 0DATE TEMP GP SPED GP DIR GP RA RB RANG IRY IRZ XQ LE 8 XQ GT 8 XQ(ELEV) LE 8 XQ(ELV) GT 8 H2 TER

211	2	211	7	0	-5	4	15.7	5	331	NNW	0	0	360	4	4	0.00	1	0.350516E-04	0.167271E-04	0.155609E-05	0.625527E-06	0.	0.0
211	2	211	8	0	-5	4	13.2	5	328	NNW	0	0	360	4	4	1.01	1	0.416901E-04	0.198951E-04	0.185080E-05	0.743998E-06	0.	0.0
211	2	211	9	0	-5	4	14.2	5	332	NNW	0	0	360	4	4	0.00	1	0.387542E-04	0.184940E-04	0.172047E-05	0.691604E-06	0.	0.0
2111	2	21110	0		-6	4	16.9	5	337	NNW	0	0	360	4	4	0.00	1	0.325627E-04	0.155393E-04	0.144560E-05	0.581111E-06	0.	0.0
2111	2	21111	0		-7	4	14.6	5	331	NNW	0	0	360	4	4	0.00	1	0.376925E-04	0.179873E-04	0.167333E-05	0.672656E-06	0.	0.0
2111	2	21112	0		-7	4	13.4	5	339	NNW	0	0	360	4	4	1.00	1	0.410679E-04	0.195981E-04	0.182318E-05	0.732894E-06	0.	0.0
2111	2	21113	0		-6	4	14.4	5	327	NNW	0	0	360	4	4	0.00	1	0.382160E-04	0.182371E-04	0.169657E-05	0.681998E-06	0.	0.0
2111	2	21114	0		-7	4	13.9	5	332	NNW	0	0	360	4	4	0.00	1	0.395906E-04	0.188932E-04	0.175760E-05	0.706531E-06	0.	0.0
2111	2	21115	0		-6	4	13.6	5	340	NNW	0	0	360	4	4	0.00	1	0.404640E-04	0.193099E-04	0.179637E-05	0.722116E-06	0.	0.0
2111	2	21116	0		-6	4	13.5	5	342	NNW	0	0	360	4	4	0.00	1	0.407637E-04	0.194530E-04	0.180968E-05	0.727465E-06	0.	0.0

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04*** PAGE 31

E 0DATE TEMP GP SPED GP DIR GP RA RB RANG IRY IRZ XQ LE 8 XQ GT 8 XQ(ELEV) LE 8 XQ(ELV) GT 8 H2 TER

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04*** PAGE 37

0 CENTERLINE XQ AVERAGE XQ

ECTI	DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED
	N	0.500869E-05	0.306754E-06	0.286053E-05	0.114026E-06
N	NNE	0.109450E-04	0.794343E-06	0.649206E-05	0.264617E-06
N	NE	0.216164E-04	0.193147E-05	0.129597E-04	0.528391E-06
E	ENE	0.638027E-04	0.661565E-05	0.377329E-04	0.152580E-05
	E	0.270313E-04	0.251236E-05	0.162322E-04	0.684855E-06
E	ESE	0.149830E-04	0.130833E-05	0.905907E-05	0.376569E-06
S	SE	0.102577E-04	0.820533E-06	0.623564E-05	0.256379E-06
S	SSE	0.973791E-05	0.779638E-06	0.586647E-05	0.243324E-06
	S	0.111305E-04	0.821891E-06	0.670843E-05	0.280680E-06
S	SSW	0.104988E-04	0.722366E-06	0.628751E-05	0.256259E-06
S	SW	0.866229E-05	0.490506E-06	0.501638E-05	0.188173E-06
W	WSW	0.432113E-05	0.229393E-06	0.242023E-05	0.903137E-07
	W	0.239223E-05	0.124716E-06	0.133458E-05	0.512202E-07
W	WNW	0.160022E-05	0.846236E-07	0.862397E-06	0.336968E-07
N	NW	0.223720E-05	0.112913E-06	0.117163E-05	0.452726E-07
N	NNW	0.305805E-05	0.159326E-06	0.161976E-05	0.618825E-07

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04*** PAGE 38

0 AVERAGE X/Q HOUR OF THE DAY 1 2 3

ECTI 0DIRECTION GROUND ELEVATED GROUND ELEVATED GROUND ELEVATED

	N	0.349728E-05	0.151908E-06	0.215575E-05	0.923180E-07	0.260444E-05	0.110604E-06
N	NNE	0.991547E-05	0.426699E-06	0.642068E-05	0.260614E-06	0.767335E-05	0.321461E-06
N	NE	0.245811E-04	0.980962E-06	0.216607E-04	0.915352E-06	0.228188E-04	0.942551E-06
E	ENE	0.792124E-04	0.319730E-05	0.812208E-04	0.327244E-05	0.858028E-04	0.352098E-05
	E	0.258472E-04	0.109234E-05	0.317685E-04	0.134232E-05	0.296635E-04	0.124034E-05
E	ESE	0.129633E-04	0.502491E-06	0.180569E-04	0.748425E-06	0.825910E-05	0.364065E-06
S	SE	0.939312E-05	0.411396E-06	0.350352E-05	0.138644E-06	0.443179E-05	0.181642E-06
S	SSE	0.586299E-05	0.235111E-06	0.697916E-05	0.295557E-06	0.101902E-04	0.418699E-06
	S	0.581532E-05	0.247100E-06	0.818600E-05	0.361425E-06	0.828998E-05	0.362185E-06
S	SSW	0.960743E-05	0.418274E-06	0.585539E-05	0.253795E-06	0.545935E-05	0.234315E-06
S	SW	0.399194E-05	0.170895E-06	0.373040E-05	0.159950E-06	0.303388E-05	0.125634E-06
W	WSW	0.165331E-05	0.631925E-07	0.180902E-05	0.727308E-07	0.308357E-05	0.128960E-06
	W	0.158168E-05	0.643444E-07	0.208823E-05	0.841835E-07	0.720254E-06	0.275235E-07
W	WNW	0.951839E-06	0.390987E-07	0.178615E-05	0.735526E-07	0.135005E-05	0.582882E-07
N	NW	0.653595E-06	0.259272E-07	0.925788E-06	0.368879E-07	0.570268E-06	0.219514E-07
N	NNW	0.178913E-05	0.705037E-07	0.129182E-05	0.502484E-07	0.156904E-05	0.611136E-07

ECT	0 ODIRECTION	0 GROUND	AVERAGE X/Q HOUR OF THE DAY 0 ELEVATED	4 GROUND	4 ELEVATED	5 GROUND	5 ELEVATED
	N	0.268419E-05	0.113801E-06	0.317208E-05	0.135396E-06	0.337454E-05	0.139654E-06
N	NNE	0.114460E-04	0.482073E-06	0.119303E-04	0.512529E-06	0.664517E-05	0.282464E-06
N	NE	0.158429E-04	0.655822E-06	0.225386E-04	0.948530E-06	0.191123E-04	0.777040E-06
E	ENE	0.694856E-04	0.287506E-05	0.599264E-04	0.245192E-05	0.669709E-04	0.276387E-05
	E	0.339403E-04	0.145982E-05	0.257821E-04	0.111777E-05	0.325146E-04	0.141337E-05
E	ESE	0.176761E-04	0.735191E-06	0.209144E-04	0.876931E-06	0.140255E-04	0.610076E-06
S	SE	0.994386E-05	0.437227E-06	0.103611E-04	0.430115E-06	0.925853E-05	0.387664E-06
S	SSE	0.769966E-05	0.341396E-06	0.619134E-05	0.272029E-06	0.767711E-05	0.322785E-06
	S	0.429028E-05	0.185358E-06	0.892217E-05	0.382706E-06	0.792556E-05	0.344244E-06
S	SSW	0.579984E-05	0.246482E-06	0.390566E-05	0.158658E-06	0.581572E-05	0.242706E-06
S	SW	0.436671E-05	0.186926E-06	0.543572E-05	0.233644E-06	0.209325E-05	0.876100E-07
W	WSW	0.253278E-05	0.100072E-06	0.172572E-05	0.707322E-07	0.156255E-05	0.631430E-07
	W	0.554083E-06	0.207206E-07	0.132628E-05	0.531098E-07	0.153614E-05	0.632504E-07
W	WNW	0.545069E-06	0.222035E-07	0.100612E-05	0.422452E-07	0.841733E-06	0.323403E-07
N	NW	0.885322E-06	0.360876E-07	0.560218E-06	0.222847E-07	0.794158E-06	0.314240E-07
N	NNW	0.223463E-05	0.895223E-07	0.935287E-06	0.357269E-07	0.105399E-05	0.431135E-07

YE 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 39

ECT	0 ODIRECTION	0 GROUND	AVERAGE X/Q HOUR OF THE DAY 0 ELEVATED	7 GROUND	7 ELEVATED	8 GROUND	8 ELEVATED
	N	0.447368E-05	0.177371E-06	0.139951E-05	0.555172E-07	0.205434E-05	0.710830E-07
N	NNE	0.770010E-05	0.331097E-06	0.738660E-05	0.286429E-06	0.440697E-05	0.163654E-06
N	NE	0.127835E-04	0.521247E-06	0.100881E-04	0.411553E-06	0.729691E-05	0.285775E-06
E	ENE	0.461275E-04	0.187080E-05	0.285214E-04	0.111089E-05	0.156744E-04	0.632667E-06
	E	0.352295E-04	0.149354E-05	0.224843E-04	0.919787E-06	0.189583E-04	0.769431E-06
E	ESE	0.213058E-04	0.894430E-06	0.176755E-04	0.716571E-06	0.129825E-04	0.535524E-06
S	SE	0.171236E-04	0.720963E-06	0.115705E-04	0.479134E-06	0.128425E-04	0.493959E-06
S	SSE	0.318063E-05	0.135171E-06	0.103847E-04	0.438585E-06	0.735990E-05	0.287131E-06
	S	0.724768E-05	0.314896E-06	0.807203E-05	0.331572E-06	0.695188E-05	0.271911E-06
S	SSW	0.804051E-05	0.342871E-06	0.934952E-05	0.364414E-06	0.509489E-05	0.196569E-06
S	SW	0.281541E-05	0.119262E-06	0.348899E-05	0.135844E-06	0.619320E-05	0.217292E-06
W	WSW	0.231538E-05	0.949542E-07	0.187218E-05	0.734099E-07	0.148395E-05	0.568960E-07
	W	0.144824E-06	0.541587E-08	0.256959E-05	0.109630E-06	0.436263E-06	0.173354E-07
W	WNW	0.653504E-06	0.244385E-07	0.329282E-06	0.123139E-07	0.697052E-06	0.260670E-07
N	NW	0.179860E-05	0.745140E-07	0.949891E-06	0.355222E-07	0.121998E-05	0.469318E-07
N	NNW	0.725090E-06	0.277513E-07	0.139664E-05	0.539844E-07	0.109656E-05	0.435257E-07

ECT	0 ODIRECTION	0 GROUND	AVERAGE X/Q HOUR OF THE DAY 0 ELEVATED	10 GROUND	10 ELEVATED	11 GROUND	11 ELEVATED
	N	0.169359E-05	0.628627E-07	0.145842E-05	0.493985E-07	0.125813E-05	0.397335E-07
N	NNE	0.409909E-05	0.148316E-06	0.387839E-05	0.140325E-06	0.390036E-05	0.137767E-06
N	NE	0.421685E-05	0.162854E-06	0.229558E-05	0.852726E-07	0.210914E-05	0.719280E-07

E	ENE	0.730738E-05	0.276399E-06	0.129559E-05	0.378229E-07	0.213113E-05	0.803315E-07
	E	0.831536E-05	0.336910E-06	0.562535E-05	0.225781E-06	0.230887E-05	0.744203E-07
E	ESE	0.800786E-05	0.307225E-06	0.573163E-05	0.229421E-06	0.222005E-05	0.882677E-07
S	SE	0.939324E-05	0.375351E-06	0.367513E-05	0.144217E-06	0.385680E-05	0.147254E-06
S	SSE	0.428392E-05	0.167548E-06	0.380514E-05	0.146936E-06	0.273489E-05	0.961479E-07
	S	0.621060E-05	0.228761E-06	0.484529E-05	0.192431E-06	0.211990E-05	0.640212E-07
S	SSW	0.319556E-05	0.102987E-06	0.273753E-05	0.799781E-07	0.410958E-05	0.137722E-06
S	SW	0.708550E-05	0.229510E-06	0.571057E-05	0.162834E-06	0.533645E-05	0.159552E-06
W	WSW	0.303082E-05	0.117223E-06	0.265647E-05	0.901982E-07	0.265286E-05	0.806480E-07
	W	0.800717E-06	0.338553E-07	0.171549E-05	0.615744E-07	0.112358E-05	0.402078E-07
W	WNW	0.113309E-05	0.423733E-07	0.935559E-06	0.361908E-07	0.778062E-06	0.290965E-07
N	NW	0.762841E-06	0.270318E-07	0.183493E-05	0.670943E-07	0.750585E-06	0.269004E-07
N	NNW	0.170604E-05	0.615960E-07	0.152182E-05	0.519313E-07	0.124341E-05	0.414986E-07

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 40

0 AVERAGE X/Q HOUR OF THE DAY 13 14 15

ECTI	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
	N	0.223893E-05	0.747048E-07	0.172468E-05	0.546492E-07	0.153836E-05	0.513600E-07
N	NNE	0.349660E-05	0.123591E-06	0.275865E-05	0.962776E-07	0.236952E-05	0.849556E-07
N	NE	0.226025E-05	0.701734E-07	0.300432E-05	0.103084E-06	0.336235E-05	0.115277E-06
E	ENE	0.272791E-05	0.103564E-06	0.132034E-05	0.496699E-07	0.812715E-06	0.274899E-07
	E	0.133287E-05	0.358104E-07	0.135967E-05	0.508462E-07	0.168422E-05	0.604837E-07
E	ESE	0.994363E-06	0.337162E-07	0.208849E-05	0.764673E-07	0.108906E-05	0.329975E-07
S	SE	0.188318E-05	0.730698E-07	0.130522E-05	0.448407E-07	0.286832E-05	0.102112E-06
S	SSE	0.250205E-05	0.898086E-07	0.215250E-05	0.740976E-07	0.276859E-05	0.992724E-07
	S	0.214887E-05	0.745905E-07	0.244566E-05	0.848036E-07	0.272599E-05	0.892135E-07
S	SSW	0.351703E-05	0.120949E-06	0.278403E-05	0.923781E-07	0.362202E-05	0.126469E-06
S	SW	0.546565E-05	0.158381E-06	0.518952E-05	0.148738E-06	0.547334E-05	0.164516E-06
W	WSW	0.206563E-05	0.612263E-07	0.325239E-05	0.998763E-07	0.221852E-05	0.676120E-07
	W	0.201769E-05	0.764185E-07	0.128941E-05	0.387798E-07	0.185406E-05	0.642493E-07
W	WNW	0.518256E-06	0.193808E-07	0.775834E-06	0.268604E-07	0.148065E-05	0.522841E-07
N	NW	0.512662E-06	0.170917E-07	0.148721E-05	0.544027E-07	0.749601E-06	0.269664E-07
N	NNW	0.165569E-05	0.590911E-07	0.147510E-05	0.492496E-07	0.829904E-06	0.255050E-07

0 AVERAGE X/Q HOUR OF THE DAY 16 17 18

ECTI	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
	N	0.211837E-05	0.842168E-07	0.362979E-05	0.131660E-06	0.364544E-05	0.139446E-06
N	NNE	0.282916E-05	0.910375E-07	0.438723E-05	0.171168E-06	0.640788E-05	0.269609E-06
N	NE	0.364744E-05	0.139776E-06	0.354678E-05	0.134606E-06	0.734517E-05	0.296828E-06
E	ENE	0.187648E-05	0.668557E-07	0.151583E-05	0.566863E-07	0.539095E-05	0.221055E-06
	E	0.164676E-05	0.599747E-07	0.357434E-05	0.139052E-06	0.493423E-05	0.206501E-06
E	ESE	0.187991E-05	0.703013E-07	0.238846E-05	0.945031E-07	0.233393E-05	0.935430E-07
S	SE	0.362206E-05	0.135451E-06	0.135807E-05	0.507867E-07	0.639186E-05	0.277304E-06
S	SSE	0.302486E-05	0.109725E-06	0.323081E-05	0.119965E-06	0.588812E-05	0.249655E-06
	S	0.377800E-05	0.143593E-06	0.659976E-05	0.266210E-06	0.614308E-05	0.257796E-06
S	SSW	0.446869E-05	0.154997E-06	0.742003E-05	0.299650E-06	0.930905E-05	0.387788E-06
S	SW	0.572455E-05	0.182965E-06	0.724727E-05	0.279466E-06	0.802815E-05	0.327483E-06
W	WSW	0.301057E-05	0.985908E-07	0.358303E-05	0.131278E-06	0.331953E-05	0.127909E-06
	W	0.179903E-05	0.622000E-07	0.180836E-05	0.686266E-07	0.152571E-05	0.605616E-07
W	WNW	0.926478E-06	0.334224E-07	0.705787E-06	0.263937E-07	0.101773E-05	0.406704E-07
N	NW	0.100335E-05	0.364951E-07	0.171173E-05	0.640121E-07	0.232248E-05	0.890579E-07
N	NNW	0.125611E-05	0.436113E-07	0.172329E-05	0.652786E-07	0.257781E-05	0.100696E-06

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 41

0 AVERAGE X/Q HOUR OF THE DAY 19 20 21

ECTI	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
	N	0.358859E-05	0.146629E-06	0.412431E-05	0.166702E-06	0.490839E-05	0.206214E-06
N	NNE	0.784788E-05	0.321780E-06	0.101446E-04	0.427023E-06	0.852544E-05	0.357617E-06
N	NE	0.143125E-04	0.610906E-06	0.160289E-04	0.692014E-06	0.184358E-04	0.761478E-06
E	ENE	0.159423E-04	0.682263E-06	0.363508E-04	0.152634E-05	0.654516E-04	0.261402E-05
	E	0.793587E-05	0.327928E-06	0.179986E-04	0.774464E-06	0.180204E-04	0.784371E-06

E	ESE	0.708453E-05	0.310129E-06	0.656026E-05	0.288451E-06	0.602889E-05	0.254321E-06
S	SE	0.220047E-05	0.933514E-07	0.429124E-05	0.186374E-06	0.677025E-05	0.283415E-06
S	SSE	0.840018E-05	0.362971E-06	0.886126E-05	0.380499E-06	0.944072E-05	0.414191E-06
	S	0.123679E-04	0.533560E-06	0.125419E-04	0.544570E-06	0.786479E-05	0.348936E-06
S	SSW	0.112873E-04	0.490204E-06	0.120587E-04	0.529481E-06	0.724741E-05	0.309031E-06
S	SW	0.723374E-05	0.305567E-06	0.445358E-05	0.192017E-06	0.405924E-05	0.176586E-06
W	WSW	0.225928E-05	0.897869E-07	0.237319E-05	0.973865E-07	0.214992E-05	0.869534E-07
	W	0.141474E-05	0.571532E-07	0.737480E-06	0.290089E-07	0.637727E-06	0.238485E-07
W	WNW	0.992984E-06	0.400097E-07	0.426038E-06	0.159322E-07	0.248004E-06	0.927437E-08
N	NW	0.184694E-05	0.733849E-07	0.211529E-05	0.879403E-07	0.195310E-05	0.785280E-07
N	NNW	0.213407E-05	0.826440E-07	0.190725E-05	0.780143E-07	0.211072E-05	0.839285E-07

0 AVERAGE X/Q HOUR OF THE DAY 22 23 24

ECT1	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
	N	0.463714E-05	0.195963E-06	0.372423E-05	0.159078E-06	0.293149E-05	0.125475E-06
N	NNE	0.612759E-05	0.261935E-06	0.703566E-05	0.304466E-06	0.843083E-05	0.345786E-06
N	NE	0.222617E-04	0.920010E-06	0.279201E-04	0.111509E-05	0.233929E-04	0.955944E-06
N	ENE	0.705109E-04	0.280123E-05	0.793873E-04	0.317529E-05	0.801280E-04	0.318405E-05
	E	0.213312E-04	0.933671E-06	0.145506E-04	0.635115E-06	0.227717E-04	0.942466E-06
E	ESE	0.747482E-05	0.317395E-06	0.820828E-05	0.363570E-06	0.115077E-04	0.495235E-06
S	SE	0.505456E-05	0.198943E-06	0.282044E-05	0.123898E-06	0.579984E-05	0.238534E-06
S	SSE	0.856854E-05	0.362503E-06	0.535783E-05	0.234806E-06	0.422278E-05	0.183835E-06
	S	0.736274E-05	0.314340E-06	0.996507E-05	0.434012E-06	0.813422E-05	0.356314E-06
S	SSW	0.737872E-05	0.316189E-06	0.698177E-05	0.299474E-06	0.582709E-05	0.243289E-06
S	SW	0.515476E-05	0.220600E-06	0.284461E-05	0.120375E-06	0.621035E-05	0.248871E-06
W	WSW	0.115553E-05	0.454271E-07	0.173861E-05	0.693046E-07	0.457088E-05	0.179484E-06
	W	0.132168E-05	0.494258E-07	0.193752E-05	0.742788E-07	0.109381E-05	0.437643E-07
W	WNW	0.104625E-05	0.444508E-07	0.729912E-06	0.286306E-07	0.816975E-06	0.329541E-07
N	NW	0.107471E-05	0.409406E-07	0.607687E-06	0.243240E-07	0.102525E-05	0.407055E-07
N	NNW	0.178026E-05	0.726612E-07	0.228628E-05	0.880332E-07	0.255988E-05	0.105331E-06

. YE/ 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 42

'AL I 0TOTAL PERIOD OF RECORD 8760
'AL (0TOTAL GOOD HOURS 8675
IRS (0HOURS OF RANGE EXCLUSION HORIZONTAL 0 VERTICAL 0
IRS (0HOURS OF BAD DATA 85
IRS (0HOURS OF SPEED EXCLUSION HORIZONTAL 0 VERTICAL 0
IRS (0HOURS OF CALM 0
:CEN: 0PERCENT CALM 0.00
:RAGI 0AVERAGE WIND SPEED (MPH) 4.93
:RAGI 0AVERAGE RANGE (DEG) 359
:RAGI 0AVERAGE TEMPERATURE X10 1
NCH 0BRANCH TECH USAGE 1,2,3 2544 5 6126
'UP,I ISTUP,MODE,IWOD 1 1 1
. YE/ 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 43
:NDO 0 WINDOW LENGTH (HOURS) = 1
UND 0GROUND RELEASE

:ECT:	0DIRECTION	SUM(X/Q)/N	MAX1	DATE	CT	SUM(X/Q)/N	MAX2	DATE	CT	SUM(X/Q)/N	MAX3	DATE	CT	SUM(X/Q)/N	MAX4	DATE	CT	SUM(X/Q)/N	MAX5	DATE	CT
N	N	0.1128E-02	210	3 1	1	0.8323E-03	2	129 7	1	0.6014E-03	2	1 521	1	0.5136E-03	2	51118	1	0.4510E-03	21231	2	1
NNI	NNE	0.1179E-02	210	1 4	1	0.1128E-02	2	512 1	2	0.1088E-02	210	1 2	1	0.8323E-03	21222	8	1	0.8201E-03	2	416 7	2
NE	NE	0.1179E-02	210	1 3	2	0.1128E-02	2	512 2	1	0.1088E-02	2	12623	1	0.1011E-02	2	129 5	3	0.9433E-03	2	2 3 9	3
ENI	ENE	0.1179E-02	2	93023	3	0.1128E-02	2	51122	2	0.1088E-02	2	62224	2	0.1011E-02	2	51524	4	0.1002E-02	210	3 2	1
E	E	0.1415E-02	212	8 9	1	0.1286E-02	2	9 324	1	0.1128E-02	2	513 4	1	0.1088E-02	2	41521	1	0.1011E-02	2	331 2	2
ESI	ESE	0.1415E-02	21126	7	1	0.1286E-02	21219	5	1	0.1088E-02	2	610 2	3	0.1011E-02	2	729 1	1	0.9433E-03	2	1 810	4
SE	SE	0.1179E-02	212	7 5	2	0.1011E-02	211	4 2	1	0.9433E-03	212	810	1	0.9021E-03	2	623 6	1	0.8323E-03	2	51521	2

SSE	SSE	0.1011E-02	212 7 6	1	0.9433E-03	211 4 3	1	0.8843E-03	21222 9	1	0.8201E-03	2 2 4 3	3	0.7861E-03	2 121 1	3
S	S	0.9021E-03	2 127 3	1	0.8201E-03	21029 2	1	0.6152E-03	2 216 5	1	0.6014E-03	2 1 9 7	4	0.5895E-03	2 51622	1
SSW	SSW	0.9433E-03	212 7 8	1	0.6809E-03	2 51220	1	0.6443E-03	212 7 1	1	0.6014E-03	2 128 6	1	0.5442E-03	2101824	1
SW	SW	0.9433E-03	212 724	1	0.6939E-03	21222 5	1	0.6809E-03	2 128 5	1	0.4190E-03	2 2 7 1	1	0.4100E-03	2 1 4 4	1
WSW	WSW	0.1088E-02	2 12624	1	0.4510E-03	2 8 724	1	0.3405E-03	2111210	1	0.2867E-03	2 1 624	1	0.2594E-03	212 620	1
W	W	0.2867E-03	2 1 7 8	1	0.2734E-03	2 221 8	1	0.2594E-03	2 5 324	2	0.2476E-03	211 6 1	1	0.2179E-03	2 815 2	2
WNW	WNW	0.4190E-03	2 1 7 5	1	0.3922E-03	2 1 4 3	1	0.3608E-03	2101922	1	0.2935E-03	2 120 2	1	0.2368E-03	2102618	1
NW	NW	0.4510E-03	2 7 620	1	0.2476E-03	2 43021	1	0.2368E-03	2 1 7 7	1	0.2179E-03	2 1 7 4	1	0.2065E-03	2122518	1
NNW	NNW	0.5053E-03	2 71523	1	0.4748E-03	2 7 524	1	0.2935E-03	2 9 917	1	0.2739E-03	2103024	1	0.2724E-03	2 314 6	1

/ATE 0ELEVATED RELEASE

ECTI	0DIRECTION	SUM(X/Q)/N	MAX1 DATE	CT	SUM(X/Q)/N	MAX2 DATE	CT	SUM(X/Q)/N	MAX3 DATE	CT	SUM(X/Q)/N	MAX4 DATE	CT	SUM(X/Q)/N	MAX5 DATE	CT
N	N	0.1149E-03	210 3 1	1	0.9742E-04	2 129 7	1	0.6126E-04	2 1 521	1	0.4594E-04	21231 2	1	0.3828E-04	2112124	1
NNE	NNE	0.1380E-03	210 1 4	1	0.1274E-03	210 1 2	1	0.1149E-03	2 512 1	2	0.9742E-04	21222 8	1	0.9201E-04	2 91020	1
NE	NE	0.1380E-03	210 1 3	2	0.1274E-03	2 12623	1	0.1183E-03	2 129 5	3	0.1149E-03	2 512 2	1	0.1104E-03	2 2 3 9	3
ENE	ENE	0.1380E-03	2 93023	3	0.1274E-03	2 62224	2	0.1183E-03	2 51524	4	0.1149E-03	2 51122	2	0.1104E-03	2 1 8 9	8
E	E	0.1656E-03	212 8 9	1	0.1506E-03	2 9 324	1	0.1274E-03	2 41521	1	0.1183E-03	2 331 2	2	0.1149E-03	2 513 4	1
ESE	ESE	0.1656E-03	21126 7	1	0.1506E-03	21219 5	1	0.1274E-03	2 610 2	3	0.1183E-03	2 729 1	1	0.1104E-03	2 1 810	4
SE	SE	0.1380E-03	212 7 5	2	0.1183E-03	211 4 2	1	0.1104E-03	212 810	1	0.9742E-04	2 51521	2	0.9201E-04	211 8 5	1
SSE	SSE	0.1183E-03	212 7 6	1	0.1104E-03	211 4 3	1	0.1035E-03	21222 9	1	0.9201E-04	2 121 1	3	0.8717E-04	2 9 5 3	1
S	S	0.9188E-04	2 127 3	1	0.8353E-04	21029 2	1	0.7201E-04	2 216 5	1	0.6901E-04	2 51622	1	0.6625E-04	212 8 1	1
SSW	SSW	0.1104E-03	212 7 8	1	0.6563E-04	212 7 1	1	0.6370E-04	2101824	1	0.6126E-04	2 128 6	1	0.5405E-04	210 3 8	1
SW	SW	0.1104E-03	212 724	1	0.7068E-04	21222 5	1	0.4889E-04	2 128 5	1	0.4177E-04	2 1 4 4	1	0.3995E-04	2 41722	2
WSW	WSW	0.1274E-03	2 12624	1	0.4594E-04	2 8 724	1	0.2625E-04	2 312 3	1	0.2445E-04	2111210	1	0.2059E-04	2 1 624	1
W	W	0.2784E-04	2 221 8	1	0.2059E-04	2 1 7 8	1	0.1984E-04	2 510 5	1	0.1863E-04	2 5 324	2	0.1778E-04	211 6 1	1
WNW	WNW	0.3995E-04	2 1 4 3	1	0.3675E-04	2101922	1	0.3009E-04	2 1 7 5	1	0.1701E-04	2102618	1	0.1484E-04	2 120 2	1
NW	NW	0.4594E-04	2 7 620	1	0.1984E-04	2122518	1	0.1778E-04	2 43021	1	0.1701E-04	2 1 7 7	1	0.1565E-04	2 1 7 4	1
NNW	NNW	0.5915E-04	2 71523	1	0.4836E-04	2 7 524	1	0.2702E-04	212 324	1	0.2483E-04	2 71522	1	0.1956E-04	2 314 6	1

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04*** PAGE 44

NDOW 0 WINDOW LENGTH (HOURS) = 1

VAL THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL

JND 0GROUND RELEASE

VTS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
VTS	COUNTS	8675	8675	8675	8675	8675	8675	8675	8675	8675	8675
3.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
VTS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
VTS	COUNTS	8675	8675	8675	8675	8670	8604	8480	8354	8309	8267
3.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9994E+00	0.9918E+00	0.9775E+00	0.9630E+00	0.9578E+00	0.9530E+00
VTS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
VTS	COUNTS	8115	7998	7925	7861	7788	7686	7367	6983	6600	5732
3.	PROB.	0.9354E+00	0.9220E+00	0.9135E+00	0.9062E+00	0.8978E+00	0.8860E+00	0.8492E+00	0.8050E+00	0.7608E+00	0.6607E+00
VTS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
VTS	COUNTS	5049	3989	3333	2958	2467	2138	1728	1451	1018	612
3.	PROB.	0.5820E+00	0.4598E+00	0.3842E+00	0.3410E+00	0.2844E+00	0.2465E+00	0.1992E+00	0.1673E+00	0.1173E+00	0.7055E-01
VTS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
VTS	COUNTS	294	99	43	2	0	0	0			
3.	PROB.	0.3389E-01	0.1141E-01	0.4957E-02	0.2305E-03	0.0000E+00	0.0000E+00	0.0000E+00			

/ATE 0ELEVATED RELEASE

VTS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
VTS	COUNTS	8675	8675	8675	8675	8650	8465	8188	8008	7911	7867
3.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9971E+00	0.9758E+00	0.9439E+00	0.9231E+00	0.9119E+00	0.9069E+00
VTS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
VTS	COUNTS	7815	7749	7667	7460	6510	5670	5101	4349	3832	3512
3.	PROB.	0.9009E+00	0.8933E+00	0.8838E+00	0.8599E+00	0.7504E+00	0.6536E+00	0.5880E+00	0.5013E+00	0.4417E+00	0.4048E+00
VTS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
VTS	COUNTS	2759	2312	1997	1798	1605	1376	1052	719	474	200
3.	PROB.	0.3180E+00	0.2665E+00	0.2302E+00	0.2073E+00	0.1850E+00	0.1586E+00	0.1213E+00	0.8288E-01	0.5464E-01	0.2305E-01
VTS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
VTS	COUNTS	89	12	0	0	0	0	0	0	0	0
3.	PROB.	0.1026E-01	0.1383E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
VTS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
VTS	COUNTS	0	0	0	0	0	0	0			

```
B.      PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
 YEA    1PPL YEAR 2002 DT 60-10A                8-NOV-04***                                                    PAGE      45
NDOW    0 WINDOW LENGTH (HOURS) =      2
UND     0GROUND RELEASE
ECTI    0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N          N      0.5638E-03  210 224  2  0.4162E-03  2 129 6  2  0.3115E-03  2 414 4  1  0.3007E-03  2 1 520  2  0.2568E-03  2 51117  2
 NNE        NNE    0.7570E-03  2 416 6  1  0.7454E-03  2 512 4  1  0.6935E-03  2 51124  1  0.6123E-03  2 716 3  1  0.5895E-03  210 1 3  2
 NE         NE     0.8583E-03  2 418 5  1  0.7468E-03  211 824  2  0.6906E-03  2 12921  1  0.6809E-03  2 51120  1  0.6613E-03  2 12922  1
 ENE        ENE    0.1015E-02  2 513 6  1  0.9770E-03  2 6 2 1  1  0.9522E-03  210 3 2  1  0.9201E-03  2 62224  1  0.8984E-03  2 51524  1
 E          E      0.8878E-03  21219 7  1  0.8440E-03  21219 6  1  0.8323E-03  2 215 8  1  0.8233E-03  210 8 6  1  0.8201E-03  2 6 9 5  1
 ESE        ESE    0.1150E-02  21126 7  1  0.8201E-03  2 6 123  1  0.7228E-03  2 7 624  1  0.7075E-03  21126 6  1  0.6939E-03  2 81820  1
 SE         SE     0.6980E-03  2 8 7 3  1  0.5895E-03  212 7 4  4  0.5053E-03  211 4 1  2  0.5027E-03  2 62220  1  0.4914E-03  211 1 6  1
 SSE        SSE    0.6753E-03  2 2 4 3  1  0.6078E-03  2 716 1  1  0.5341E-03  2 730 3  1  0.5325E-03  2122923  1  0.5053E-03  212 7 5  2
 S          S      0.6884E-03  2 127 2  1  0.5262E-03  2 1 9 7  1  0.5159E-03  210 223  1  0.4827E-03  2 51621  1  0.4609E-03  212 623  1
 SSW        SSW    0.4716E-03  212 7 7  2  0.4493E-03  2 110 6  1  0.4025E-03  2 110 5  1  0.3940E-03  2101824  1  0.3835E-03  2 110 4  1
 SW         SW     0.4716E-03  212 723  2  0.3516E-03  2 41721  1  0.3469E-03  21222 4  2  0.3405E-03  2 128 4  2  0.2570E-03  2 71720  1
 WSW        WSW    0.5442E-03  2 12623  2  0.2255E-03  2 8 723  2  0.1955E-03  2 2 6 3  1  0.1702E-03  21112 9  2  0.1675E-03  211 3 3  1
 W          W      0.1657E-03  2 2 6 1  1  0.1618E-03  2 122 8  1  0.1433E-03  2 1 7 7  2  0.1381E-03  2 510 5  1  0.1367E-03  2 221 7  2
 WNW        WNW    0.2413E-03  2101922  1  0.2095E-03  2 1 7 4  2  0.1961E-03  2 1 4 2  2  0.1804E-03  2101921  1  0.1774E-03  2 314 2  1
 NW         NW     0.2782E-03  2 7 619  1  0.2255E-03  2 7 620  1  0.1641E-03  2122518  1  0.1604E-03  2 4 4 6  1  0.1487E-03  2102619  1
 NNW        NNW    0.3746E-03  2 71522  1  0.2527E-03  2 71523  1  0.2374E-03  2 7 523  2  0.2102E-03  2 720 3  1  0.1618E-03  21126 3  1
VATE    0ELEVATED RELEASE
ECTI    0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N          N      0.5743E-04  210 224  2  0.4871E-04  2 129 6  2  0.3063E-04  2 1 520  2  0.2297E-04  21231 1  2  0.2237E-04  2 414 4  1
 NNE        NNE    0.7710E-04  2 416 6  1  0.7047E-04  2 512 4  1  0.6901E-04  210 1 3  2  0.6674E-04  2 51124  1  0.6370E-04  210 1 1  2
 NE         NE     0.1005E-03  2 418 5  1  0.8741E-04  211 824  2  0.8084E-04  2 12921  1  0.7741E-04  2 12922  1  0.7708E-04  2 62124  1
 ENE        ENE    0.1144E-03  2 6 2 1  1  0.1052E-03  2 51524  1  0.1039E-03  2 611 3  1  0.1034E-03  2 513 6  1  0.1020E-03  2 62224  1
 E          E      0.1039E-03  21219 7  1  0.9879E-04  21219 6  1  0.9742E-04  2 215 8  1  0.8386E-04  210 8 6  1  0.8353E-04  2 6 9 5  1
 ESE        ESE    0.1346E-03  21126 7  1  0.8353E-04  2 6 123  1  0.8281E-04  21126 6  1  0.7528E-04  21219 4  2  0.7362E-04  2 7 624  1
 SE         SE     0.7110E-04  2 8 7 3  1  0.6901E-04  212 7 4  4  0.5915E-04  211 4 1  2  0.5521E-04  212 8 9  2  0.5120E-04  2 62220  1
 SSE        SSE    0.6879E-04  2 2 4 3  1  0.6788E-04  2 716 1  1  0.5978E-04  2 730 3  1  0.5915E-04  212 7 5  2  0.5521E-04  211 4 2  2
 S          S      0.7012E-04  2 127 2  1  0.5365E-04  2 51621  1  0.5360E-04  2 1 9 7  1  0.5255E-04  210 223  1  0.4594E-04  2 127 3  1
 SSW        SSW    0.5521E-04  212 7 7  2  0.5259E-04  2 110 6  1  0.4711E-04  2 110 5  1  0.4489E-04  2 110 4  1  0.4427E-04  2101824  1
 SW         SW     0.5521E-04  212 723  2  0.3582E-04  2 41721  1  0.3534E-04  21222 4  2  0.2445E-04  2 128 4  2  0.2428E-04  2 71720  1
 WSW        WSW    0.6370E-04  2 12623  2  0.2297E-04  2 8 723  2  0.1404E-04  2 2 6 3  1  0.1313E-04  2 312 2  2  0.1222E-04  21112 9  2
 W          W      0.1392E-04  2 221 7  2  0.1190E-04  2 2 6 1  1  0.1137E-04  2 510 5  1  0.1094E-04  2 122 8  1  0.1029E-04  2 1 7 7  2
 WNW        WNW    0.2273E-04  2101922  1  0.1997E-04  2 1 4 2  2  0.1838E-04  2101921  1  0.1504E-04  2 1 7 4  2  0.1274E-04  2 314 2  1
 NW         NW     0.2563E-04  2 7 619  1  0.2297E-04  2 7 620  1  0.1396E-04  2122518  1  0.1151E-04  2 4 4 6  1  0.1045E-04  2102619  1
 NNW        NNW    0.4199E-04  2 71522  1  0.2958E-04  2 71523  1  0.2418E-04  2 7 523  2  0.1351E-04  212 323  2  0.1242E-04  2 71521  1
 YEA    1PPL YEAR 2002 DT 60-10A                8-NOV-04***                                                    PAGE      46
NDOW    0 WINDOW LENGTH (HOURS) =      2
 VAI     THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
UND     0GROUND RELEASE
NTS     0QUANTS 0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS      COUNTS      8675        8675        8675        8675        8675        8675        8675        8675        8675        8675
B.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
NTS     0QUANTS 0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
NTS      COUNTS      8675        8675        8675        8666        8612        8576        8500        8409        8360        8312
B.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.9990E+00  0.9927E+00  0.9886E+00  0.9798E+00  0.9693E+00  0.9637E+00  0.9582E+00
NTS     0QUANTS 0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
NTS      COUNTS      8179        8067        7927        7767        7584        7302        6564        6050        5372        4623
B.       PROB.   0.9428E+00  0.9299E+00  0.9138E+00  0.8953E+00  0.8742E+00  0.8417E+00  0.7567E+00  0.6974E+00  0.6193E+00  0.5329E+00
NTS     0QUANTS 0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
NTS      COUNTS      4062        3166        2554        2184        1771        1366         995         783         445         200
B.       PROB.   0.4682E+00  0.3650E+00  0.2944E+00  0.2518E+00  0.2041E+00  0.1575E+00  0.1147E+00  0.9026E-01  0.5130E-01  0.2305E-01
NTS     0QUANTS 0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
NTS      COUNTS        85          12           2           0           0           0           0
B.       PROB.   0.9798E-02  0.1383E-02  0.2305E-03  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
VATE    0ELEVATED RELEASE
NTS     0QUANTS 0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
NTS      COUNTS      8675        8675        8675        8675        8557        8409        8239        8141        8104        8043
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3.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9864E+00	0.9693E+00	0.9497E+00	0.9384E+00	0.9342E+00	0.9271E+00
VTS	QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
VTS	COUNTS	7992	7913	7484	6941	5856	5018	4493	3676	3289	2947
3.	PROB.	0.9213E+00	0.9122E+00	0.8627E+00	0.8001E+00	0.6750E+00	0.5784E+00	0.5179E+00	0.4237E+00	0.3791E+00	0.3397E+00
VTS	QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
NTS	COUNTS	2314	1965	1666	1354	1096	866	558	319	171	49
8.	PROB.	0.2667E+00	0.2265E+00	0.1920E+00	0.1561E+00	0.1263E+00	0.9983E-01	0.6432E-01	0.3677E-01	0.1971E-01	0.5648E-02
NTS	QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
NTS	COUNTS	11	1	0	0	0	0	0	0	0	0
3.	PROB.	0.1268E-02	0.1153E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
NTS	QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
NTS	COUNTS	0	0	0	0	0	0	0			
3.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 47

NDOW 0 WINDOW LENGTH (HOURS) = 8

JND 0GROUND RELEASE

ECTI	0DIRECTION	SUM(X/Q)/N	MAX1 DATE	CT	SUM(X/Q)/N	MAX2 DATE	CT	SUM(X/Q)/N	MAX3 DATE	CT	SUM(X/Q)/N	MAX4 DATE	CT	SUM(X/Q)/N	MAX5 DATE	CT
N	N	0.1409E-03	210 218	8	0.1054E-03	2112123	2	0.1040E-03	2 12824	8	0.8785E-04	2122513	3	0.8543E-04	21014 3	1
NNE	NNE	0.4302E-03	2 51122	3	0.3978E-03	2 512 1	1	0.2892E-03	2 51121	1	0.2834E-03	2 93021	6	0.2644E-03	2 41524	5
NE	NE	0.3945E-03	2121820	3	0.3916E-03	2 93020	3	0.3816E-03	2 51119	2	0.3426E-03	2 12918	4	0.3409E-03	2 41723	3
ENE	ENE	0.6723E-03	2 61023	2	0.6637E-03	2 11021	1	0.6632E-03	2 329 2	1	0.6600E-03	2 61021	2	0.6599E-03	2 7 820	1
E	E	0.5128E-03	2 73023	2	0.4755E-03	21219 3	2	0.4475E-03	2 6 824	2	0.4261E-03	2 73022	1	0.4244E-03	2 731 1	1
ESE	ESE	0.4228E-03	2 7 624	1	0.3802E-03	2 7 623	1	0.3684E-03	2 72821	1	0.3631E-03	2 61122	1	0.3539E-03	2 72823	1
SE	SE	0.3085E-03	2 8 624	2	0.2948E-03	212 624	6	0.2685E-03	2 8 621	3	0.2148E-03	211 4 2	1	0.2146E-03	2 8 7 2	2
SSE	SSE	0.1993E-03	2 1 823	5	0.1895E-03	2122919	5	0.1847E-03	212 7 3	4	0.1688E-03	2 2 321	7	0.1664E-03	212 7 2	1
S	S	0.2843E-03	2 12520	1	0.2749E-03	2 12521	1	0.2635E-03	2 12518	2	0.2360E-03	2 12522	2	0.2308E-03	2 1 9 4	4
SSW	SSW	0.2379E-03	2 1 924	2	0.2229E-03	2 1 923	1	0.2082E-03	2 110 2	3	0.1985E-03	212 7 1	1	0.1981E-03	2 1 922	1
SW	SW	0.1331E-03	212 717	1	0.1281E-03	2121122	1	0.1191E-03	2 41715	5	0.1179E-03	212 718	7	0.1128E-03	2121121	1
WSW	WSW	0.1360E-03	2 12617	8	0.8935E-04	2 515 1	2	0.8583E-04	2 51424	1	0.7950E-04	2 515 3	1	0.7610E-04	2 51423	1
W	W	0.6586E-04	2 51418	1	0.6055E-04	2 122 2	4	0.5788E-04	2 42921	3	0.5704E-04	2 51419	2	0.5155E-04	21229 3	6
WNW	WNW	0.6032E-04	2101916	7	0.5439E-04	2 11923	4	0.5324E-04	2 31019	1	0.5238E-04	2 1 622	8	0.5230E-04	2102618	1
NW	NW	0.9903E-04	2122518	1	0.8892E-04	2122517	1	0.8725E-04	2122521	1	0.8182E-04	2122519	1	0.7985E-04	2 7 613	6
NNW	NNW	0.1131E-03	2 71516	3	0.1040E-03	2 71519	1	0.9364E-04	2 71520	3	0.8284E-04	2 92724	1	0.8120E-04	2 928 1	1

/ATE 0ELEVATED RELEASE

ECTI	0DIRECTION	SUM(X/Q)/N	MAX1 DATE	CT	SUM(X/Q)/N	MAX2 DATE	CT	SUM(X/Q)/N	MAX3 DATE	CT	SUM(X/Q)/N	MAX4 DATE	CT	SUM(X/Q)/N	MAX5 DATE	CT
N	N	0.1436E-04	210 218	8	0.1218E-04	2 12824	8	0.8982E-05	2112123	2	0.7657E-05	2 1 514	8	0.7405E-05	2112122	1
NNE	NNE	0.4148E-04	2 51122	3	0.3915E-04	2 512 1	1	0.3318E-04	2 93021	6	0.2712E-04	2 51121	1	0.2693E-04	2 41524	5
NE	NE	0.4584E-04	2 93020	3	0.4302E-04	2121820	3	0.4011E-04	2 12918	4	0.3990E-04	2 41723	3	0.3627E-04	2121823	1
ENE	ENE	0.7870E-04	2 61023	2	0.7769E-04	2 11021	1	0.7725E-04	2 61021	2	0.7708E-04	2 7 821	1	0.7683E-04	2 329 1	1
E	E	0.5480E-04	21219 3	2	0.5201E-04	2 73023	2	0.4905E-04	21219 1	2	0.4558E-04	2 6 824	2	0.4317E-04	2 73022	1
ESE	ESE	0.4178E-04	2 7 624	1	0.3944E-04	2 72821	1	0.3906E-04	2 61122	1	0.3873E-04	2 7 623	1	0.3715E-04	2 72823	1
SE	SE	0.3450E-04	212 624	6	0.3022E-04	2 8 624	2	0.2735E-04	2 8 621	3	0.2514E-04	211 4 2	1	0.2065E-04	2 8 7 2	2
SSE	SSE	0.1930E-04	2122919	5	0.1859E-04	212 7 3	4	0.1766E-04	212 7 2	1	0.1756E-04	2 1 823	5	0.1732E-04	2 121 1	1
S	S	0.2896E-04	2 12520	1	0.2800E-04	2 12521	1	0.2605E-04	2 12518	2	0.2404E-04	2 12522	2	0.2272E-04	2 1 9 4	4
SSW	SSW	0.2739E-04	2 1 924	2	0.2564E-04	2 1 923	1	0.2437E-04	2 110 2	3	0.2228E-04	2 1 922	1	0.2201E-04	212 7 1	1
SW	SW	0.1469E-04	212 717	1	0.1380E-04	212 718	7	0.1099E-04	2 41715	5	0.1021E-04	2 41720	1	0.9484E-05	21222 5	1
WSW	WSW	0.1593E-04	2 12617	8	0.5743E-05	2 8 717	8	0.5140E-05	2 2 521	4	0.5089E-05	2 515 1	2	0.5005E-05	2 51424	1
W	W	0.3702E-05	21229 3	6	0.3603E-05	2 122 2	4	0.3480E-05	2 221 1	8	0.3133E-05	2 122 6	1	0.3061E-05	2 51418	1
WNW	WNW	0.5683E-05	2101916	7	0.4994E-05	2 1 320	8	0.4594E-05	2101915	1	0.3761E-05	2 1 622	8	0.3756E-05	2102618	1
NW	NW	0.6970E-05	2122518	1	0.6866E-05	2 7 613	6	0.6408E-05	2 7 619	1	0.6340E-05	2122517	1	0.5743E-05	2 7 620	1
NNW	NNW	0.1134E-04	2 71516	3	0.1096E-04	2 71519	1	0.1050E-04	2 71520	3	0.7394E-05	2 71523	1	0.6045E-05	2 7 517	8

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 48

NDOW 0 WINDOW LENGTH (HOURS) = 8

VAL THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL

JND 0GROUND RELEASE

VTS	QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
VTS	COUNTS	8675	8675	8675	8675	8675	8675	8675	8675	8675	8675
3.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
VTS	QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
VTS	COUNTS	8675	8675	8675	8675	8674	8668	8663	8651	8645	8634
3.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9999E+00	0.9992E+00	0.9986E+00	0.9972E+00	0.9965E+00	0.9953E+00

ITS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
ITS	COUNTS	8520	8328	8014	7620	7125	6616	5579	4761	4145	3387
1.	PROB.	0.9821E+00	0.9600E+00	0.9238E+00	0.8784E+00	0.8213E+00	0.7627E+00	0.6431E+00	0.5488E+00	0.4778E+00	0.3904E+00
ITS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
ITS	COUNTS	2902	2202	1677	1347	907	606	398	244	80	17
1.	PROB.	0.3345E+00	0.2538E+00	0.1933E+00	0.1553E+00	0.1046E+00	0.6986E-01	0.4588E-01	0.2813E-01	0.9222E-02	0.1960E-02
ITS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
ITS	COUNTS	0	0	0	0	0	0	0			
1.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			
ATE	0ELEVATED RELEASE										
ITS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
ITS	COUNTS	8675	8675	8675	8675	8661	8659	8652	8645	8635	8592
1.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9984E+00	0.9982E+00	0.9973E+00	0.9965E+00	0.9954E+00	0.9904E+00
ITS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
ITS	COUNTS	8479	8187	7524	6727	5541	4685	4101	3257	2875	2596
1.	PROB.	0.9774E+00	0.9437E+00	0.8673E+00	0.7754E+00	0.6387E+00	0.5401E+00	0.4727E+00	0.3754E+00	0.3314E+00	0.2993E+00
ITS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
ITS	COUNTS	1897	1395	995	703	508	353	153	59	17	0
1.	PROB.	0.2187E+00	0.1608E+00	0.1147E+00	0.8104E-01	0.5856E-01	0.4069E-01	0.1764E-01	0.6801E-02	0.1960E-02	0.0000E+00
ITS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
ITS	COUNTS	0	0	0	0	0	0	0	0	0	0
1.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
ITS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
ITS	COUNTS	0	0	0	0	0	0	0			
1.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04... PAGE 49

DOW 0 WINDOW LENGTH (HOURS) = 16

ND 0GROUND RELEASE

CTI	0DIRECTION	SUM(X/Q)/N	MAX1	DATE	CT	SUM(X/Q)/N	MAX2	DATE	CT	SUM(X/Q)/N	MAX3	DATE	CT	SUM(X/Q)/N	MAX4	DATE	CT	SUM(X/Q)/N	MAX5	DATE	CT
N	N	0.4792E-04	2	511 3	1	0.4400E-04	2	511 4	1	0.4152E-04		210 210	16	0.3918E-04	2	511 5	1	0.3757E-04	2	32015	2
NNE	NNE	0.1428E-03	2	51114	1	0.1383E-03	2	51115	5	0.1280E-03	2	51120	5	0.1217E-03	2	512 1	1	0.1013E-03	2	51113	1
NE	NE	0.1294E-03	2	31217	1	0.1233E-03	2	31218	3	0.1230E-03	2	31216	1	0.1206E-03	2	12916	6	0.1182E-03	2	31214	2
ENE	ENE	0.3164E-03	2	32818	3	0.2942E-03	2	32821	1	0.2926E-03	2	32817	1	0.2909E-03	2	12818	2	0.2685E-03	2	12820	1
E	E	0.1517E-03	2	73015	10	0.1424E-03	2121821		8	0.1387E-03	2121819		2	0.1318E-03	2	6 816	10	0.1261E-03	2	73014	1
ESE	ESE	0.1252E-03	2	7 616	9	0.1247E-03	2	72816	6	0.1166E-03	2	72815	1	0.1124E-03	2	72822	2	0.1120E-03	2	7 615	1
SE	SE	0.9155E-04	2	8 616	10	0.8589E-04	212	616	14	0.7987E-04	211	4 1	2	0.7908E-04	2	8 613	3	0.7800E-04	211	324	1
SSE	SSE	0.6023E-04	2	1 815	13	0.5649E-04	2122922		2	0.5582E-04	2122911		11	0.5514E-04	212	619	12	0.5096E-04	210	2 6	1
S	S	0.1030E-03	2	12513	7	0.9481E-04	2	12520	1	0.9189E-04	2	12512	1	0.8591E-04	2	1 820	7	0.8097E-04	2	12521	1
SSW	SSW	0.1004E-03	2	1 916	4	0.9065E-04	2	1 920	3	0.8380E-04	2	1 915	1	0.8167E-04	2	1 923	1	0.8007E-04	212	617	5
SW	SW	0.4535E-04	21222	5	1	0.4503E-04	212	724	1	0.4440E-04	2121122		1	0.4284E-04	212	723	1	0.4135E-04	21222	2	3
WSW	WSW	0.4058E-04	2	12623	2	0.3964E-04	2	126 9	14	0.2455E-04	2	2 513	1	0.2440E-04	212	6 5	6	0.2424E-04	2	2 514	3
W	W	0.2225E-04	211	215	4	0.2029E-04	211	219	1	0.2009E-04	2122314		2	0.1917E-04	2	51410	5	0.1907E-04	211	222	1
WNW	WNW	0.2224E-04	2101920		3	0.2021E-04	2	11924	3	0.1800E-04	21019 8		12	0.1757E-04	2	4 313	1	0.1738E-04	2	11915	9
NW	NW	0.3348E-04	2122518		1	0.2887E-04	2122513		5	0.2778E-04	2	4 318	1	0.2701E-04	2	4 321	1	0.2683E-04	2122512		1
NNW	NNW	0.3232E-04	2	715 8	11	0.3107E-04	2	71519	1	0.2934E-04	2	71522	1	0.2895E-04	2	71521	1	0.2864E-04	2	71520	1

ATE 0ELEVATED RELEASE

CTI	0DIRECTION	SUM(X/Q)/N	MAX1	DATE	CT	SUM(X/Q)/N	MAX2	DATE	CT	SUM(X/Q)/N	MAX3	DATE	CT	SUM(X/Q)/N	MAX4	DATE	CT	SUM(X/Q)/N	MAX5	DATE	CT
N	N	0.1905E-05	2	511 3	1	0.1858E-05	210	210	16	0.1733E-05	2	511 4	1	0.1646E-05	2	32015	2	0.1522E-05	2	511 5	1
NNE	NNE	0.6261E-05	2	51114	1	0.6091E-05	2	51115	5	0.5707E-05	2	51120	5	0.5405E-05	2	512 1	1	0.4403E-05	2	51113	1
NE	NE	0.5284E-05	2	31217	1	0.5109E-05	2	51111	10	0.5056E-05	2	31218	3	0.5002E-05	2	31216	1	0.4796E-05	2	31221	1
ENE	ENE	0.1173E-04	2	32818	3	0.1092E-04	2	12818	2	0.1074E-04	2	32821	1	0.1067E-04	2	32817	1	0.1012E-04	2	12820	1
E	E	0.6541E-05	2	73015	10	0.5900E-05	2	6 816	10	0.5619E-05	2	731 1	1	0.5533E-05	2	52115	8	0.5398E-05	2	73014	1
ESE	ESE	0.5593E-05	2	7 616	9	0.5237E-05	2	72816	6	0.5013E-05	2	7 615	1	0.4880E-05	2	72815	1	0.4687E-05	2	72822	2
SE	SE	0.4086E-05	2	8 616	10	0.3540E-05	2	8 613	3	0.3144E-05	2	62215	6	0.3073E-05	212	616	14	0.2847E-05	2	8 7 2	2
SSE	SSE	0.2669E-05	2	1 815	13	0.2510E-05	2122922		2	0.2498E-05	2122911		11	0.2281E-05	210	2 6	1	0.2226E-05	2	2 313	15
S	S	0.4601E-05	2	12513	7	0.4244E-05	2	12520	1	0.4105E-05	2	12512	1	0.3838E-05	2	1 820	7	0.3624E-05	2	12521	1
SSW	SSW	0.3840E-05	2	1 916	4	0.3403E-05	2	1 920	3	0.3268E-05	212	617	5	0.3245E-05	2	1 915	1	0.3001E-05	2	1 923	1
SW	SW	0.1950E-05	21222	5	1	0.1916E-05	2121122		1	0.1775E-05	21222	2	3	0.1745E-05	2121114		8	0.1656E-05	212	724	1
WSW	WSW	0.1425E-05	2	12623	2	0.1418E-05	2	126 9	14	0.1040E-05	2	2 513	1	0.1035E-05	2	2 514	3	0.1019E-05	2	2 517	1
W	W	0.8650E-06	211	215	4	0.8159E-06	2122314		2	0.7920E-06	211	219	1	0.7701E-06	2122316		3	0.7462E-06	211	222	1
WNW	WNW	0.9868E-06	2101920		3	0.8010E-06	21019 8		12	0.7559E-06	2	11924	3	0.7143E-06	2	1 614	16	0.7133E-06	2102610		9

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NW        NW     0.1473E-05  2122518  1  0.1271E-05  2122513  5  0.1182E-05  2122512  1  0.1170E-05  2122519  1  0.1119E-05  2 4 318  1
NNW       NNW    0.1245E-05  2 715 8 11  0.1171E-05  2 71519  1  0.1085E-05  2 71522  1  0.1078E-05  2 71521  1  0.1073E-05  2 71520  1
, YE/  1PPL YEAR 2002 DT 60-10A              8-NOV-04***                                                                    PAGE      50
INDO   0 WINDOW LENGTH (HOURS) =     16
: VA   THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
)UND   0GROUND RELEASE
ANTS   0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
JNTS    COUNTS        8675        8675        8675        8675        8675        8675        8675        8675        8675        8675
)B.     PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
ANTS   0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
JNTS    COUNTS        8675        8675        8675        8675        8675        8675        8674        8665        8609        8533
)B.     PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9999E+00  0.9988E+00  0.9924E+00  0.9836E+00
ANTS   0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
JNTS    COUNTS        7991        7055        6107        5368        4732        4163        3354        2769        2318        1746
)B.     PROB.   0.9212E+00  0.8133E+00  0.7040E+00  0.6188E+00  0.5455E+00  0.4799E+00  0.3866E+00  0.3192E+00  0.2672E+00  0.2013E+00
ANTS   0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
JNTS    COUNTS        1274         651         253         100          22           3           0           0           0           0
)B.     PROB.   0.1469E+00  0.7504E-01  0.2916E-01  0.1153E-01  0.2536E-02  0.3458E-03  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS   0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
JNTS    COUNTS           0           0           0           0           0           0           0
)B.     PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
:VATI  0ELEVATED RELEASE
ANTS   0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
JNTS    COUNTS        8675        8675        8675        8675        8675        8675        8675        8674        8612        8329
)B.     PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9999E+00  0.9927E+00  0.9601E+00
ANTS   0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
JNTS    COUNTS        7554        6199        4677        3561        2213        1329         779         171          54           8
)B.     PROB.   0.8708E+00  0.7146E+00  0.5391E+00  0.4105E+00  0.2551E+00  0.1532E+00  0.8980E-01  0.1971E-01  0.6225E-02  0.9222E-03
ANTS   0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
JNTS    COUNTS           0           0           0           0           0           0           0           0           0           0
)B.     PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS   0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
JNTS    COUNTS           0           0           0           0           0           0           0           0           0           0
)B.     PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
ANTS   0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
JNTS    COUNTS           0           0           0           0           0           0           0
)B.     PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
, YE/  1PPL YEAR 2002 DT 60-10A              8-NOV-04***                                                                    PAGE      51
:NDO   0 WINDOW LENGTH (HOURS) =     72
)UND   0GROUND RELEASE
:ECT:  0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N         N     0.1850E-04  2 5 914 34  0.1763E-04  2 511 4  1  0.1656E-04  2 511 5  1  0.1519E-04  2 5 912  2  0.1460E-04  2 511 6  4
NNI       NNE   0.4126E-04  2 51022  9  0.4047E-04  2 51021  1  0.3976E-04  21010 9  1  0.3968E-04  21010 7  2  0.3943E-04  2 510 2 15
NE        NE    0.5011E-04  2 418 5  1  0.4738E-04  2 12810 20  0.4710E-04  2 128 3  1  0.4681E-04  2 31019 27  0.4641E-04  2 128 2  1
ENI       ENE   0.1389E-03  2 9 8 1  1  0.1381E-03  2 127 3  2  0.1374E-03  2 9 8 5  1  0.1356E-03  2 9 8 2  1  0.1355E-03  2 9 8 3  1
E         E     0.6290E-04  2 73021  4  0.6066E-04  2 730 6 15  0.5818E-04  2 730 4  2  0.5718E-04  2 731 1  1  0.5540E-04  2 6 9 1  1
ESI       ESE   0.4878E-04  2 727 3  8  0.4738E-04  2 72711 20  0.4736E-04  2 72814  8  0.4638E-04  2 728 8  6  0.4581E-04  2 622 5  2
SE        SE    0.3518E-04  212 511 15  0.3372E-04  212 6 2  5  0.3265E-04  212 6 7  3  0.3106E-04  212 610 20  0.2960E-04  2 622 7  1
SSI       SSE   0.2561E-04  2122724  1  0.2457E-04  2122722  2  0.2426E-04  21228 1  3  0.2421E-04  21228 9  2  0.2347E-04  2122721  1
S         S     0.4409E-04  2 124 4  8  0.3999E-04  2 12412  6  0.3904E-04  2 123 5  1  0.3846E-04  2 123 6  1  0.3786E-04  2 123 7  6
SSW       SSW   0.3801E-04  2 1 813  6  0.3751E-04  2 1 819  1  0.3709E-04  2 1 8 7  6  0.3672E-04  2 1 820  1  0.3666E-04  2 1 718 13
SW        SW    0.2128E-04  2121923  5  0.2071E-04  2121921  2  0.2068E-04  21220 4  1  0.2026E-04  2122010  2  0.1982E-04  2121918  3
WSW       WSW   0.1203E-04  2 124 1 14  0.1150E-04  21031 4  1  0.1055E-04  2 12415 20  0.1024E-04  2 514 1  2  0.1018E-04  21031 5 36
W         W     0.9743E-05  211 219  1  0.9489E-05  211 217  2  0.9182E-05  211 220  2  0.8729E-05  211 216  1  0.8644E-05  2103114  1
WNW       WNW   0.7609E-05  2 11716  4  0.7189E-05  2 11720  3  0.6980E-05  2 117 7  9  0.6728E-05  2 11723  2  0.6352E-05  2101716 19
NW        NW    0.1092E-04  2 4 319  1  0.1080E-04  2 4 318  1  0.1060E-04  2 4 320  1  0.1036E-04  2 4 315  3  0.1029E-04  2 4 321  1
NNW       NNW   0.7735E-05  2 51820  1  0.7676E-05  2 51814  3  0.7617E-05  2 71314 53  0.7560E-05  2 4 320 15  0.7532E-05  2 71313  1
:VATI  0ELEVATED RELEASE
:ECT:  0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N         N     0.7338E-06  2 5 914 34  0.6956E-06  2 511 4  1  0.6487E-06  2 511 5  1  0.6098E-06  2 5 912  2  0.5781E-06  2 5 911  1
NNI       NNE   0.1796E-05  2 51022  9  0.1766E-05  2 51021  1  0.1727E-05  2 510 2 15  0.1698E-05  2 511 7  8  0.1678E-05  21010 9  1
```

NE	NE	0.2063E 05	2 418 5	1	0.1900E-05	2 31019	27	0.1857E-05	2 418 4	1	0.1838E-05	2 31014	5	0.1822E-05	2 418 6	1
ENE	ENE	0.5355E-05	2 9 8 5	1	0.5346E-05	2 929 3	1	0.5318E-05	2 9 8 1	1	0.5267E-05	2 9 8 4	1	0.5252E-05	2 9 8 6	1
E	E	0.2754E-05	2 73021	4	0.2655E-05	2 730 6	15	0.2549E-05	2 731 1	1	0.2547E-05	2 730 4	2	0.2444E-05	2 6 9 1	1
ESE	ESE	0.2033E-05	2 727 3	8	0.1999E-05	2 622 5	2	0.1980E-05	2 72711	20	0.1973E-05	2 72814	8	0.1936E-05	2 728 8	6
SE	SE	0.1304E-05	212 511	15	0.1303E-05	2 622 7	1	0.1250E-05	212 6 2	5	0.1236E-05	2 622 8	13	0.1210E-05	212 6 7	3
SSE	SSE	0.1065E-05	2122724	1	0.1019E-05	2122722	2	0.1015E-05	21228 9	2	0.1014E-05	21228 1	3	0.9909E-06	2122811	1
S	S	0.1972E-05	2 124 4	8	0.1788E-05	2 12412	6	0.1728E-05	2 123 5	1	0.1702E-05	2 123 6	1	0.1676E-05	2 123 7	6
SSW	SSW	0.1536E-05	2 1 813	6	0.1517E-05	2 1 819	1	0.1496E-05	2 1 8 7	6	0.1483E-05	2 1 820	1	0.1477E-05	2 1 718	13
SW	SW	0.9039E-06	2121923	5	0.8790E-06	2121921	2	0.8777E-06	21220 4	1	0.8557E-06	2122010	2	0.8401E-06	2121918	3
WSW	WSW	0.4384E-06	2 124 1	14	0.4358E-06	21031 4	1	0.4024E-06	2 514 1	2	0.3890E-06	2 514 3	3	0.3864E-06	21031 5	36
W	W	0.3854E-06	211 219	1	0.3759E-06	211 217	2	0.3645E-06	211 220	2	0.3475E-06	211 216	1	0.3428E-06	211 222	1
WNW	WNW	0.2906E-06	2 11716	4	0.2749E-06	2 11720	3	0.2720E-06	2101716	19	0.2671E-06	2 117 7	9	0.2576E-06	2 11723	2
NW	NW	0.4275E-06	2122323	2	0.4260E-06	2 4 319	1	0.4215E-06	2 4 318	1	0.4185E-06	21224 1	1	0.4148E-06	2122322	1
NNW	NNW	0.3066E-06	2 51820	1	0.2997E-06	2 51814	3	0.2901E 06	2 4 320	15	0.2887E-06	2 21710	1	0.2856E-06	2 51817	2

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 52

DOW 0 WINDOW LENGTH (HOURS) = 72

VAI THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL

ND : 0GROUND RELEASE

TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8675	8675	8675	8675	8675	8675	8675	8675	8675	8675
3.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	8675	8675	8675	8675	8675	8675	8675	8673	8599	8450
3.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9998E+00	0.9912E+00	0.9741E+00
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	7782	6916	6152	5185	4312	3520	2350	1625	1171	571
3.	PROB.	0.8971E+00	0.7972E+00	0.7092E+00	0.5977E+00	0.4971E+00	0.4058E+00	0.2709E+00	0.1873E+00	0.1350E+00	0.6582E-01
TS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
TS	COUNTS	299	46	0	0	0	0	0	0	0	0
3.	PROB.	0.3447E-01	0.5303E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
TS	COUNTS	0	0	0	0	0	0	0			
3.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

ATE 0ELEVATED RELEASE

TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8675	8675	8675	8675	8675	8675	8675	8675	8636	8311
3.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9955E+00	0.9580E+00
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	7422	6251	4061	2497	848	271	36	0	0	0
3.	PROB.	0.8556E+00	0.7206E+00	0.4681E+00	0.2878E+00	0.9775E-01	0.3124E-01	0.4150E-02	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	0	0	0	0	0	0	0	0	0	0
3.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
TS	COUNTS	0	0	0	0	0	0	0	0	0	0
3.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
TS	COUNTS	0	0	0	0	0	0	0			
3.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 53

DOW 0 WINDOW LENGTH (HOURS) = 624

ND : 0GROUND RELEASE

CTI	0DIRECTION	SUM(X/Q)/N	MAX1 DATE	CT	SUM(X/Q)/N	MAX2 DATE	CT	SUM(X/Q)/N	MAX3 DATE	CT	SUM(X/Q)/N	MAX4 DATE	CT	SUM(X/Q)/N	MAX5 DATE	CT
N	N	0.5492E-05	2121217	28	0.5448E-05	2121216	1	0.5407E-05	2121215	1	0.5400E-05	2121321	14	0.5355E-05	2121214	1
NNE	NNE	0.1403E-04	2 921 5	49	0.1395E-04	2 930 8	19	0.1389E-04	2 923 6	1	0.1378E-04	2 92017	12	0.1374E-04	210 5 6	22
NE	NE	0.1984E-04	2 527 2	1	0.1961E-04	2 91711	4	0.1951E-04	2 527 3	2	0.1950E-04	2 91715	3	0.1946E-04	2 917 4	7
ENE	ENE	0.6897E-04	2 9 6 3	1	0.6870E-04	2 9 6 4	3	0.6837E-04	2 9 6 7	1	0.6826E-04	2 9 6 2	1	0.6818E-04	2 9 6 8	1
E	E	0.2982E-04	2 7 7 4	1	0.2980E-04	2 714 7	1	0.2949E-04	2 7 7 6	14	0.2936E-04	2 714 6	1	0.2928E-04	2 623 2	2
ESE	ESE	0.1754E-04	2 529 4	5	0.1728E-04	2 529 2	2	0.1715E-04	2 529 9	1	0.1705E-04	2 529 1	1	0.1701E-04	2 52910	11
SE	SE	0.1054E-04	2 1 914	11	0.1039E-04	2 1 9 2	12	0.1035E-04	2 1 811	1	0.1003E-04	2 1 812	14	0.9945E-05	2122121	4
SSE	SSE	0.1057E-04	2 120 1	4	0.1052E-04	2121421	25	0.1032E-04	2 120 5	3	0.1029E-04	2121723	20	0.1025E-04	2 11922	3

S	S	0.1590E-04	2 1 1 4	7	0.1578E-04	2 1 111	19	0.1542E-04	2 1 2 6	1	0.1537E-04	2 1 4 6	6	0.1524E-04	2 1 412	16
SSW	SSW	0.1290E-04	2121710	18	0.1276E-04	21217 9	1	0.1269E-04	21218 5	13	0.1263E-04	21217 8	1	0.1261E-04	21220 8	1
SW	SW	0.8243E-05	2 1 318	11	0.8237E-05	2 1 216	2	0.8219E-05	2 1 218	18	0.8183E-05	2 1 317	1	0.8174E-05	2 1 215	1
WSW	WSW	0.4775E-05	2 1 1 1	2	0.4731E-05	2 113 9	1	0.4655E-05	2 1 1 3	9	0.4630E-05	2 111 5	9	0.4599E-05	2 11310	1
W	W	0.3282E-05	2122318	1	0.3254E-05	2122315	1	0.3225E-05	2122224	1	0.3223E-05	2122314	1	0.3222E-05	2122316	2
WNW	WNW	0.2871E-05	2 31014	5	0.2839E-05	2 31019	1	0.2812E-05	2 31020	1	0.2811E-05	2 3 9 5	33	0.2783E-05	2 31021	1
NW	NW	0.2857E-05	2 31020	8	0.2812E-05	2 311 4	1	0.2811E-05	21213 3	37	0.2796E-05	21212 8	7	0.2768E-05	2 31018	2
NNW	NNW	0.3063E-05	212 115	37	0.3043E-05	21121 9111		0.3029E-05	212 3 4	1	0.3006E-05	212 1 1	13	0.2995E-05	212 3 5	1

/ATE: 0ELEVATED RELEASE

CTI	0DIRECTION	SUM(X/Q)/N	MAX1 DATE	CT	SUM(X/Q)/N	MAX2 DATE	CT	SUM(X/Q)/N	MAX3 DATE	CT	SUM(X/Q)/N	MAX4 DATE	CT	SUM(X/Q)/N	MAX5 DATE	CT
N	N	0.2246E-06	2121217	28	0.2230E-06	2121216	1	0.2214E-06	2121215	1	0.2206E-06	2121321	14	0.2195E-06	2121214	1
NNE	NNE	0.5638E-06	2 921 5	49	0.5629E-06	210 5 6	22	0.5621E-06	2 930 8	19	0.5577E-06	2 923 6	1	0.5539E-06	21010 4	5
NE	NE	0.8068E-06	2 91711	4	0.8047E-06	2 527 2	1	0.8026E-06	2 91715	3	0.8010E-06	2 917 4	7	0.7975E-06	2 91718	2
ENE	ENE	0.2749E-05	2 9 6 3	1	0.2737E-05	2 9 6 4	3	0.2722E-05	2 9 6 7	1	0.2717E-05	2 9 6 2	1	0.2714E-05	2 9 6 8	1
E	E	0.1282E-05	2 7 7 4	1	0.1277E-05	2 714 7	1	0.1276E-05	2 623 2	2	0.1267E-05	2 7 7 6	14	0.1262E-05	2 62223	3
ESE	ESE	0.7446E-06	2 529 4	5	0.7332E-06	2 529 2	2	0.7256E-06	2 529 9	1	0.7234E-06	2 622 2	5	0.7231E-06	2 529 1	1
SE	SE	0.4357E-06	2 1 914	11	0.4301E-06	2 1 9 2	12	0.4282E-06	2 1 811	1	0.4142E-06	2 110 1	9	0.4142E-06	2 1 812	14
SSE	SSE	0.4479E-06	2 120 1	4	0.4448E-06	2121421	25	0.4371E-06	2 120 5	3	0.4342E-06	2121723	20	0.4338E-06	2 11922	3
S	S	0.7007E-06	2 1 1 4	7	0.6962E-06	2 1 111	19	0.6803E-06	2 1 2 6	1	0.6784E-06	2 1 4 6	6	0.6734E-06	2 1 9 6	2
SSW	SSW	0.5410E-06	2121710	18	0.5346E-06	21217 9	1	0.5310E-06	21218 5	13	0.5290E-06	21217 8	1	0.5281E-06	21220 8	1
SW	SW	0.3278E-06	2 1 216	2	0.3276E-06	2 1 318	11	0.3272E-06	2 1 218	18	0.3255E-06	2 1 215	1	0.3250E-06	2 1 317	1
WSW	WSW	0.1858E-06	2 113 9	1	0.1847E-06	2 1 1 1	2	0.1803E-06	2 111 5	9	0.1802E-06	2 1 1 3	9	0.1800E-06	2 11310	1
W	W	0.1282E-06	2122318	1	0.1271E-06	2122315	1	0.1261E-06	2122224	1	0.1260E-06	2122314	1	0.1260E-06	2122316	2
WNW	WNW	0.1130E-06	2 31014	5	0.1118E-06	2 31019	1	0.1108E-06	2 31020	1	0.1108E-06	2 3 9 5	33	0.1097E-06	2 31021	1
NW	NW	0.1147E-06	21213 3	37	0.1131E-06	21212 8	7	0.1128E-06	2121416	1	0.1110E-06	2121417	1	0.1104E-06	2 31020	8
NNW	NNW	0.1213E-06	212 115	37	0.1200E-06	21121 9111		0.1200E-06	212 3 4	1	0.1191E-06	212 1 1	13	0.1187E-06	212 3 5	1

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04*** PAGE 54

DOW 0 WINDOW LENGTH (HOURS) = 624

VAL THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL

ND 0GROUND RELEASE

TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8675	8675	8675	8675	8675	8675	8675	8675	8675	8675
3.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	8675	8675	8675	8675	8675	8675	8675	8675	8675	8675
3.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	8675	8537	7754	6869	5449	3375	910	113	0	0
3.	PROB.	0.1000E+01	0.9841E+00	0.8938E+00	0.7918E+00	0.6281E+00	0.3890E+00	0.1049E+00	0.1303E-01	0.0000E+00	0.0000E+00
TS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
TS	COUNTS	0	0	0	0	0	0	0	0	0	0
3.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
TS	COUNTS	0	0	0	0	0	0	0			
3.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

/ATE 0ELEVATED RELEASE

TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8675	8675	8675	8675	8675	8675	8675	8675	8675	8675
3.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	8675	7641	4558	1044	0	0	0	0	0	0
3.	PROB.	0.1000E+01	0.8808E+00	0.5254E+00	0.1203E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	0	0	0	0	0	0	0	0	0	0
3.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
TS	COUNTS	0	0	0	0	0	0	0	0	0	0
3.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
TS	COUNTS	0	0	0	0	0	0	0			
3.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

TURN RETURN FROM PASS7
YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 55
UND 0GROUND RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
1 1

NTI? VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E	0.10E-09	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
35E-	0.35E-08	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
10E-	0.10E-07	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
25E-	0.25E-07	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
70E-	0.70E-07	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
10E-	0.10E-06	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
15E-	0.15E-06	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
22E-	0.22E-06	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
32E-	0.32E-06	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
48E-	0.48E-06	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
70E-	0.70E-06	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
10E-	0.10E-05	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
15E-	0.15E-05	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
20E-	0.20E-05	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1147	0.0628	0.0314	0.0204	0.0296	0.0398	1.0000
30E-	0.30E-05	0.0499	0.0720	0.0827	0.1446	0.0676	0.0451	0.0424	0.0463	0.0678	0.0830	0.1142	0.0627	0.0314	0.0204	0.0296	0.0398	0.9994
40E-	0.40E-05	0.0491	0.0718	0.0827	0.1446	0.0676	0.0451	0.0424	0.0462	0.0672	0.0821	0.1114	0.0610	0.0314	0.0204	0.0295	0.0395	0.9918
50E-	0.50E-05	0.0477	0.0707	0.0827	0.1446	0.0676	0.0447	0.0420	0.0458	0.0661	0.0803	0.1064	0.0590	0.0310	0.0204	0.0295	0.0392	0.9775
70E-	0.70E-05	0.0466	0.0699	0.0823	0.1446	0.0674	0.0447	0.0418	0.0456	0.0655	0.0768	0.1001	0.0580	0.0309	0.0204	0.0295	0.0390	0.9630
85E-	0.85E-05	0.0465	0.0694	0.0816	0.1446	0.0674	0.0446	0.0418	0.0455	0.0655	0.0756	0.0981	0.0575	0.0309	0.0204	0.0295	0.0388	0.9578
10E-	0.10E-04	0.0463	0.0693	0.0813	0.1443	0.0674	0.0446	0.0418	0.0454	0.0649	0.0752	0.0964	0.0568	0.0307	0.0204	0.0295	0.0386	0.9530
15E-	0.15E-04	0.0451	0.0685	0.0805	0.1437	0.0672	0.0443	0.0417	0.0451	0.0639	0.0741	0.0903	0.0538	0.0303	0.0201	0.0292	0.0378	0.9354
20E-	0.20E-04	0.0441	0.0677	0.0802	0.1436	0.0669	0.0443	0.0414	0.0451	0.0634	0.0727	0.0848	0.0514	0.0299	0.0201	0.0290	0.0373	0.9220
25E-	0.25E-04	0.0438	0.0669	0.0800	0.1435	0.0667	0.0443	0.0414	0.0447	0.0625	0.0712	0.0825	0.0504	0.0297	0.0201	0.0289	0.0369	0.9135
30E-	0.30E-04	0.0429	0.0663	0.0794	0.1435	0.0666	0.0443	0.0410	0.0447	0.0622	0.0707	0.0808	0.0496	0.0287	0.0201	0.0288	0.0365	0.9062
35E-	0.35E-04	0.0427	0.0661	0.0793	0.1433	0.0665	0.0440	0.0410	0.0443	0.0618	0.0700	0.0793	0.0478	0.0277	0.0194	0.0285	0.0362	0.8978
40E-	0.40E-04	0.0423	0.0652	0.0792	0.1432	0.0663	0.0439	0.0408	0.0440	0.0612	0.0696	0.0775	0.0451	0.0266	0.0186	0.0277	0.0348	0.8860
50E-	0.50E-04	0.0418	0.0644	0.0786	0.1431	0.0659	0.0433	0.0406	0.0437	0.0604	0.0688	0.0719	0.0372	0.0218	0.0146	0.0234	0.0295	0.8492
60E-	0.60E-04	0.0384	0.0635	0.0782	0.1429	0.0657	0.0430	0.0400	0.0431	0.0583	0.0676	0.0641	0.0295	0.0173	0.0118	0.0181	0.0235	0.8050
70E-	0.70E-04	0.0338	0.0614	0.0772	0.1428	0.0655	0.0423	0.0388	0.0415	0.0554	0.0651	0.0572	0.0237	0.0148	0.0092	0.0135	0.0184	0.7608
85E-	0.85E-04	0.0220	0.0513	0.0716	0.1416	0.0640	0.0402	0.0353	0.0362	0.0514	0.0582	0.0414	0.0171	0.0099	0.0047	0.0067	0.0092	0.6607
10E-	0.10E-03	0.0171	0.0432	0.0632	0.1386	0.0618	0.0371	0.0309	0.0320	0.0448	0.0482	0.0311	0.0124	0.0061	0.0033	0.0047	0.0074	0.5820
13E-	0.13E-03	0.0091	0.0261	0.0549	0.1349	0.0584	0.0338	0.0258	0.0259	0.0331	0.0288	0.0136	0.0055	0.0029	0.0016	0.0021	0.0033	0.4598
17E-	0.17E-03	0.0054	0.0175	0.0459	0.1306	0.0545	0.0308	0.0224	0.0205	0.0252	0.0165	0.0066	0.0027	0.0018	0.0010	0.0009	0.0018	0.3842
20E-	0.20E-03	0.0032	0.0134	0.0399	0.1268	0.0520	0.0280	0.0194	0.0176	0.0196	0.0114	0.0043	0.0014	0.0014	0.0006	0.0006	0.0015	0.3410
25E-	0.25E-03	0.0022	0.0089	0.0320	0.1183	0.0473	0.0240	0.0152	0.0127	0.0122	0.0070	0.0021	0.0008	0.0005	0.0005	0.0001	0.0007	0.2844
30E-	0.30E-03	0.0016	0.0067	0.0277	0.1093	0.0415	0.0219	0.0120	0.0106	0.0082	0.0045	0.0015	0.0003	0.0000	0.0003	0.0001	0.0002	0.2465
35E-	0.35E-03	0.0009	0.0050	0.0213	0.0929	0.0350	0.0168	0.0093	0.0078	0.0055	0.0028	0.0008	0.0002	0.0000	0.0003	0.0001	0.0002	0.1992
40E-	0.40E-03	0.0007	0.0037	0.0179	0.0801	0.0308	0.0142	0.0074	0.0061	0.0035	0.0017	0.0006	0.0002	0.0000	0.0001	0.0001	0.0002	0.1673
50E-	0.50E-03	0.0005	0.0029	0.0119	0.0568	0.0233	0.0108	0.0046	0.0038	0.0015	0.0007	0.0003	0.0001	0.0000	0.0000	0.0000	0.0001	0.1173
60E-	0.60E-03	0.0003	0.0018	0.0071	0.0329	0.0146	0.0073	0.0031	0.0016	0.0008	0.0005	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0705
70E-	0.70E-03	0.0002	0.0012	0.0032	0.0145	0.0073	0.0038	0.0017	0.0014	0.0002	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0339
85E-	0.85E-03	0.0001	0.0005	0.0015	0.0041	0.0022	0.0016	0.0006	0.0003	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0114
10E-	0.10E-02	0.0001	0.0005	0.0008	0.0014	0.0009	0.0007	0.0003	0.0001	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0050
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 56
VATI 0ELEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

EC-ENVR-1057
Page 414

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\BIL:   PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
L          1

NTIZ:   QUANTIZED
/EL      LEVEL          N      NNE    NE     ENE    E      ESE    SE     SSE    S      SSW    SW     WSW    W      WNW    NW     NNW    TOTS
)0E+     0.00E+00 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.000016.0000
10E-     0.10E-09 0.0499 0.0720 0.0827 0.1446 0.0676 0.0451 0.0424 0.0463 0.0678 0.0830 0.1147 0.0628 0.0314 0.0204 0.0296 0.0398 1.0000
15E-     0.35E-08 0.0499 0.0720 0.0827 0.1446 0.0676 0.0451 0.0424 0.0463 0.0678 0.0830 0.1147 0.0628 0.0314 0.0204 0.0296 0.0398 1.0000
10E-     0.10E-07 0.0499 0.0720 0.0827 0.1446 0.0676 0.0451 0.0424 0.0463 0.0678 0.0830 0.1147 0.0628 0.0314 0.0204 0.0296 0.0398 1.0000
25E-     0.25E-07 0.0499 0.0720 0.0827 0.1446 0.0676 0.0451 0.0424 0.0463 0.0678 0.0830 0.1147 0.0628 0.0314 0.0204 0.0296 0.0398 1.0000
70E-     0.70E-07 0.0495 0.0719 0.0827 0.1446 0.0676 0.0451 0.0424 0.0463 0.0678 0.0829 0.1131 0.0624 0.0314 0.0204 0.0296 0.0397 0.9971
10E-     0.10E-06 0.0476 0.0707 0.0827 0.1446 0.0676 0.0450 0.0420 0.0458 0.0663 0.0807 0.1052 0.0582 0.0310 0.0204 0.0295 0.0387 0.9758
15E-     0.15E-06 0.0450 0.0689 0.0822 0.1446 0.0674 0.0447 0.0418 0.0455 0.0648 0.0760 0.0916 0.0539 0.0303 0.0202 0.0292 0.0377 0.9439
22E-     0.22E-06 0.0439 0.0674 0.0807 0.1442 0.0673 0.0444 0.0415 0.0451 0.0632 0.0723 0.0838 0.0524 0.0300 0.0202 0.0292 0.0376 0.9231
32E-     0.32E-06 0.0435 0.0664 0.0793 0.1433 0.0667 0.0440 0.0410 0.0444 0.0626 0.0704 0.0817 0.0521 0.0297 0.0201 0.0292 0.0375 0.9119
48E-     0.48E-06 0.0435 0.0663 0.0792 0.1431 0.0658 0.0436 0.0408 0.0441 0.0617 0.0702 0.0816 0.0512 0.0295 0.0201 0.0290 0.0372 0.9069
70E-     0.70E-06 0.0430 0.0661 0.0792 0.1431 0.0656 0.0436 0.0407 0.0440 0.0612 0.0699 0.0805 0.0496 0.0292 0.0201 0.0288 0.0365 0.9009
10E-     0.10E-05 0.0423 0.0651 0.0791 0.1431 0.0656 0.0436 0.0405 0.0440 0.0607 0.0694 0.0776 0.0483 0.0290 0.0199 0.0287 0.0363 0.8933
15E-     0.15E-05 0.0423 0.0643 0.0782 0.1429 0.0656 0.0435 0.0402 0.0436 0.0603 0.0687 0.0755 0.0473 0.0278 0.0196 0.0284 0.0357 0.8838
20E-     0.20E-05 0.0422 0.0637 0.0778 0.1427 0.0652 0.0429 0.0400 0.0435 0.0602 0.0682 0.0740 0.0412 0.0243 0.0164 0.0257 0.0319 0.8599
30E-     0.30E-05 0.0329 0.0609 0.0768 0.1420 0.0649 0.0416 0.0386 0.0407 0.0558 0.0648 0.0558 0.0232 0.0139 0.0088 0.0126 0.0173 0.7504
40E-     0.40E-05 0.0214 0.0508 0.0705 0.1407 0.0636 0.0399 0.0344 0.0355 0.0515 0.0580 0.0407 0.0163 0.0097 0.0043 0.0068 0.0095 0.6536
50E-     0.50E-05 0.0173 0.0435 0.0632 0.1383 0.0618 0.0370 0.0307 0.0320 0.0453 0.0503 0.0326 0.0131 0.0065 0.0033 0.0053 0.0078 0.5880
70E-     0.70E-05 0.0136 0.0335 0.0563 0.1344 0.0580 0.0334 0.0255 0.0269 0.0377 0.0384 0.0224 0.0071 0.0040 0.0025 0.0030 0.0046 0.5013
85E-     0.85E-05 0.0100 0.0250 0.0521 0.1315 0.0552 0.0312 0.0231 0.0244 0.0323 0.0295 0.0133 0.0047 0.0031 0.0018 0.0016 0.0028 0.4417
10E-     0.10E-04 0.0071 0.0206 0.0488 0.1300 0.0533 0.0292 0.0209 0.0224 0.0289 0.0239 0.0096 0.0038 0.0020 0.0013 0.0012 0.0021 0.4048
15E-     0.15E-04 0.0029 0.0121 0.0368 0.1240 0.0486 0.0251 0.0172 0.0156 0.0172 0.0104 0.0040 0.0012 0.0010 0.0005 0.0006 0.0009 0.3180
20E-     0.20E-04 0.0021 0.0077 0.0301 0.1159 0.0430 0.0220 0.0130 0.0116 0.0104 0.0068 0.0022 0.0006 0.0002 0.0003 0.0001 0.0005 0.2665
25E-     0.25E-04 0.0012 0.0063 0.0262 0.1095 0.0361 0.0169 0.0093 0.0089 0.0081 0.0051 0.0014 0.0003 0.0001 0.0003 0.0001 0.0003 0.2302
30E-     0.30E-04 0.0009 0.0052 0.0236 0.1016 0.0332 0.0146 0.0077 0.0083 0.0067 0.0033 0.0012 0.0002 0.0000 0.0003 0.0001 0.0002 0.2073
35E-     0.35E-04 0.0006 0.0044 0.0201 0.0916 0.0311 0.0135 0.0074 0.0074 0.0050 0.0024 0.0008 0.0002 0.0000 0.0002 0.0001 0.0002 0.1850
40E-     0.40E-04 0.0005 0.0036 0.0166 0.0793 0.0281 0.0126 0.0067 0.0056 0.0029 0.0017 0.0005 0.0002 0.0000 0.0000 0.0001 0.0002 0.1586
50E-     0.50E-04 0.0003 0.0029 0.0119 0.0621 0.0225 0.0104 0.0046 0.0037 0.0015 0.0009 0.0002 0.0001 0.0000 0.0000 0.0000 0.0001 0.1213
60E-     0.60E-04 0.0003 0.0018 0.0084 0.0432 0.0151 0.0071 0.0031 0.0018 0.0010 0.0005 0.0002 0.0001 0.0000 0.0000 0.0000 0.0000 0.0829
70E-     0.70E-04 0.0002 0.0015 0.0061 0.0273 0.0100 0.0048 0.0023 0.0015 0.0003 0.0001 0.0002 0.0001 0.0000 0.0000 0.0000 0.0000 0.0546
85E-     0.85E-04 0.0002 0.0008 0.0025 0.0107 0.0041 0.0024 0.0009 0.0008 0.0001 0.0001 0.0001 0.0001 0.0000 0.0000 0.0000 0.0000 0.0231
10E-     0.10E-03 0.0001 0.0005 0.0015 0.0038 0.0017 0.0015 0.0005 0.0003 0.0000 0.0001 0.0001 0.0001 0.0000 0.0000 0.0000 0.0000 0.0103
13E-     0.13E-03 0.0000 0.0001 0.0002 0.0003 0.0002 0.0002 0.0002 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0014
17E-     0.17E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
20E-     0.20E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
25E-     0.25E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
30E-     0.30E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
35E-     0.35E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
40E-     0.40E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
50E-     0.50E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
60E-     0.60E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
70E-     0.70E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
85E-     0.85E-03 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
10E-     0.10E-02 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
14E-     0.14E-02 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
20E-     0.20E-02 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
30E-     0.30E-02 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
40E-     0.40E-02 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
30E-     0.40E-02
 YEA:    1PPL YEAR 2002 DT 60-10A          8-NOV-04***                                                                          PAGE     57
JND :    0GROUND RELEASE
         0                                  PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
\BIL     PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
2          2

NTIZ:    QUANTIZED
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/EL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
)0E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.7930	0.7398	0.9259	0.9767	0.9293	0.8153	0.5004	0.9253	0.9588	0.9416	0.9214	0.7037	0.6273	0.1850	0.7086	0.7781	12.4303
35E-	0.35E-08	0.0755	0.1101	0.1395	0.5615	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.9425
10E-	0.10E-07	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.5880
25E-	0.25E-07	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.5880
70E-	0.70E-07	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.5880
10E-	0.10E-06	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.5880
15E-	0.15E-06	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.5880
22E-	0.22E-06	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.5880
32E-	0.32E-06	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.5880
48E-	0.48E-06	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.5880
70E-	0.70E-06	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.5880
10E-	0.10E-05	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.5880
15E-	0.15E-05	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1684	0.0978	0.0511	0.0339	0.0460	0.0583	1.5879
20E-	0.20E-05	0.0753	0.1097	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1102	0.1328	0.1668	0.0954	0.0511	0.0339	0.0458	0.0583	1.5820
30E-	0.30E-05	0.0731	0.1082	0.1395	0.2070	0.1192	0.0817	0.0759	0.0784	0.1085	0.1289	0.1608	0.0927	0.0505	0.0339	0.0458	0.0578	1.5617
40E-	0.40E-05	0.0724	0.1077	0.1391	0.2070	0.1190	0.0817	0.0759	0.0779	0.1080	0.1259	0.1577	0.0914	0.0505	0.0339	0.0458	0.0575	1.5514
50E-	0.50E-05	0.0711	0.1065	0.1383	0.2067	0.1190	0.0813	0.0756	0.0776	0.1069	0.1237	0.1540	0.0898	0.0503	0.0339	0.0458	0.0574	1.5378
70E-	0.70E-05	0.0701	0.1049	0.1374	0.2060	0.1185	0.0808	0.0754	0.0772	0.1057	0.1215	0.1479	0.0870	0.0501	0.0335	0.0455	0.0568	1.5185
85E-	0.85E-05	0.0697	0.1043	0.1368	0.2059	0.1182	0.0806	0.0754	0.0771	0.1051	0.1201	0.1442	0.0860	0.0497	0.0333	0.0454	0.0563	1.5081
10E-	0.10E-04	0.0685	0.1039	0.1367	0.2056	0.1179	0.0806	0.0752	0.0771	0.1048	0.1184	0.1399	0.0839	0.0492	0.0333	0.0453	0.0558	1.4961
15E-	0.15E-04	0.0663	0.1018	0.1353	0.2053	0.1176	0.0806	0.0746	0.0765	0.1028	0.1153	0.1326	0.0808	0.0481	0.0333	0.0450	0.0548	1.4705
20E-	0.20E-04	0.0651	0.1003	0.1344	0.2048	0.1170	0.0799	0.0742	0.0754	0.1014	0.1135	0.1269	0.0760	0.0463	0.0319	0.0443	0.0536	1.4452
25E-	0.25E-04	0.0646	0.0991	0.1336	0.2047	0.1165	0.0793	0.0737	0.0750	0.1004	0.1119	0.1209	0.0686	0.0410	0.0287	0.0401	0.0507	1.4090
30E-	0.30E-04	0.0618	0.0983	0.1329	0.2045	0.1161	0.0793	0.0730	0.0745	0.0989	0.1112	0.1147	0.0619	0.0357	0.0246	0.0344	0.0465	1.3682
35E-	0.35E-04	0.0573	0.0964	0.1319	0.2043	0.1156	0.0784	0.0716	0.0729	0.0967	0.1093	0.1085	0.0551	0.0320	0.0209	0.0299	0.0418	1.3224
40E-	0.40E-04	0.0524	0.0918	0.1299	0.2037	0.1144	0.0771	0.0701	0.0701	0.0943	0.1065	0.0971	0.0485	0.0272	0.0163	0.0241	0.0342	1.2576
50E-	0.50E-04	0.0428	0.0805	0.1165	0.1982	0.1108	0.0717	0.0622	0.0619	0.0836	0.0910	0.0749	0.0335	0.0174	0.0093	0.0169	0.0246	1.0958
60E-	0.60E-04	0.0379	0.0742	0.1110	0.1932	0.1082	0.0674	0.0578	0.0569	0.0782	0.0829	0.0629	0.0239	0.0126	0.0077	0.0127	0.0187	1.0062
70E-	0.70E-04	0.0274	0.0612	0.1025	0.1910	0.1035	0.0657	0.0524	0.0506	0.0647	0.0616	0.0399	0.0143	0.0082	0.0043	0.0077	0.0111	0.8661
85E-	0.85E-04	0.0169	0.0489	0.0906	0.1841	0.0988	0.0610	0.0469	0.0427	0.0543	0.0486	0.0251	0.0086	0.0054	0.0023	0.0033	0.0061	0.7437
10E-	0.10E-03	0.0115	0.0394	0.0780	0.1790	0.0944	0.0553	0.0399	0.0360	0.0441	0.0361	0.0166	0.0052	0.0032	0.0015	0.0022	0.0046	0.6471
13E-	0.13E-03	0.0060	0.0211	0.0626	0.1670	0.0833	0.0453	0.0294	0.0258	0.0250	0.0186	0.0063	0.0015	0.0008	0.0012	0.0007	0.0020	0.4966
17E-	0.17E-03	0.0027	0.0129	0.0474	0.1533	0.0697	0.0364	0.0206	0.0183	0.0152	0.0078	0.0028	0.0008	0.0000	0.0008	0.0002	0.0006	0.3896
20E-	0.20E-03	0.0018	0.0090	0.0379	0.1387	0.0593	0.0280	0.0153	0.0134	0.0101	0.0052	0.0016	0.0005	0.0000	0.0003	0.0002	0.0006	0.3220
25E-	0.25E-03	0.0010	0.0065	0.0273	0.1213	0.0463	0.0216	0.0096	0.0084	0.0050	0.0024	0.0009	0.0002	0.0000	0.0000	0.0001	0.0002	0.2508
30E-	0.30E-03	0.0008	0.0045	0.0172	0.0968	0.0308	0.0150	0.0063	0.0048	0.0033	0.0014	0.0008	0.0002	0.0000	0.0000	0.0000	0.0001	0.1821
35E-	0.35E-03	0.0005	0.0030	0.0099	0.0729	0.0197	0.0091	0.0037	0.0039	0.0016	0.0007	0.0003	0.0002	0.0000	0.0000	0.0000	0.0001	0.1256
40E-	0.40E-03	0.0005	0.0022	0.0068	0.0586	0.0141	0.0068	0.0021	0.0023	0.0012	0.0005	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0953
50E-	0.50E-03	0.0002	0.0012	0.0040	0.0350	0.0071	0.0027	0.0009	0.0007	0.0003	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0524
60E-	0.60E-03	0.0000	0.0005	0.0009	0.0164	0.0039	0.0009	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0231
70E-	0.70E-03	0.0000	0.0002	0.0003	0.0067	0.0021	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0098
85E-	0.85E-03	0.0000	0.0000	0.0001	0.0010	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04*** PAGE 58

/ATE ORIEVATED RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

2

NTIZ /EL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
)0E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.0755	0.1101	0.1395	0.9134	0.1844	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	2.3597
35E-	0.35E-08	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.5880

.0E-(	0.10E-07	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1685	0.0978	0.0511	0.0339	0.0460	0.0583	1.5880
!5E-(	0.25E-07	0.0755	0.1101	0.1395	0.2070	0.1192	0.0820	0.0762	0.0788	0.1104	0.1337	0.1684	0.0978	0.0511	0.0339	0.0460	0.0583	1.5879
'0E-(	0.70E-07	0.0715	0.1073	0.1395	0.2070	0.1190	0.0817	0.0759	0.0782	0.1079	0.1267	0.1560	0.0890	0.0500	0.0335	0.0454	0.0568	1.5454
.0E-(	0.10E-06	0.0692	0.1047	0.1379	0.2065	0.1187	0.0813	0.0754	0.0775	0.1055	0.1208	0.1456	0.0852	0.0495	0.0335	0.0454	0.0560	1.5125
.5E-(	0.15E-06	0.0672	0.1021	0.1358	0.2052	0.1182	0.0803	0.0746	0.0764	0.1034	0.1159	0.1349	0.0831	0.0489	0.0333	0.0453	0.0554	1.4800
!2E-(	0.22E-06	0.0666	0.1014	0.1345	0.2048	0.1165	0.0794	0.0740	0.0756	0.1014	0.1139	0.1306	0.0827	0.0485	0.0333	0.0453	0.0552	1.4640
!2E-(	0.32E-06	0.0663	0.1012	0.1344	0.2047	0.1159	0.0794	0.0738	0.0754	0.1010	0.1137	0.1293	0.0807	0.0483	0.0333	0.0452	0.0546	1.4572
!8E-(	0.48E-06	0.0650	0.1001	0.1344	0.2047	0.1159	0.0794	0.0737	0.0753	0.1004	0.1132	0.1261	0.0778	0.0477	0.0331	0.0448	0.0541	1.4456
'0E-(	0.70E-06	0.0649	0.0988	0.1329	0.2045	0.1159	0.0794	0.0733	0.0747	0.0999	0.1116	0.1225	0.0771	0.0474	0.0330	0.0443	0.0536	1.4338
.0E-(	0.10E-05	0.0648	0.0979	0.1322	0.2041	0.1153	0.0783	0.0726	0.0744	0.0998	0.1108	0.1203	0.0709	0.0436	0.0302	0.0417	0.0518	1.4086
.5E-(	0.15E-05	0.0564	0.0956	0.1310	0.2029	0.1146	0.0773	0.0711	0.0716	0.0960	0.1082	0.1051	0.0538	0.0305	0.0203	0.0287	0.0401	1.3033
!0E-(	0.20E-05	0.0476	0.0863	0.1253	0.2017	0.1130	0.0748	0.0662	0.0657	0.0918	0.1012	0.0865	0.0410	0.0234	0.0120	0.0198	0.0287	1.1850
!0E-(	0.30E-05	0.0359	0.0741	0.1105	0.1930	0.1081	0.0671	0.0569	0.0560	0.0776	0.0825	0.0613	0.0231	0.0114	0.0069	0.0103	0.0157	0.9904
!0E-(	0.40E-05	0.0237	0.0590	0.0991	0.1869	0.1010	0.0628	0.0486	0.0485	0.0642	0.0674	0.0373	0.0135	0.0078	0.0043	0.0053	0.0080	0.8376
!0E-(	0.50E-05	0.0181	0.0485	0.0908	0.1827	0.0961	0.0571	0.0424	0.0433	0.0569	0.0538	0.0259	0.0098	0.0044	0.0025	0.0033	0.0060	0.7419
'0E-(	0.70E-05	0.0093	0.0331	0.0733	0.1753	0.0899	0.0498	0.0348	0.0317	0.0390	0.0310	0.0130	0.0033	0.0028	0.0014	0.0018	0.0029	0.5925
!5E-(	0.85E-05	0.0074	0.0242	0.0666	0.1695	0.0851	0.0475	0.0311	0.0289	0.0302	0.0226	0.0083	0.0022	0.0016	0.0012	0.0012	0.0021	0.5296
.0E-(	0.10E-04	0.0055	0.0180	0.0588	0.1645	0.0783	0.0424	0.0265	0.0235	0.0231	0.0175	0.0054	0.0015	0.0008	0.0009	0.0006	0.0010	0.4684
.5E-(	0.15E-04	0.0022	0.0111	0.0452	0.1496	0.0622	0.0284	0.0157	0.0167	0.0139	0.0071	0.0023	0.0005	0.0000	0.0007	0.0002	0.0005	0.3563
!0E-(	0.20E-04	0.0010	0.0078	0.0340	0.1336	0.0533	0.0246	0.0134	0.0115	0.0070	0.0039	0.0014	0.0005	0.0000	0.0001	0.0002	0.0005	0.2928
!5E-(	0.25E-04	0.0007	0.0059	0.0261	0.1176	0.0431	0.0204	0.0091	0.0077	0.0044	0.0021	0.0006	0.0002	0.0000	0.0000	0.0001	0.0002	0.2382
!0E-(	0.30E-04	0.0007	0.0043	0.0187	0.0996	0.0301	0.0144	0.0063	0.0046	0.0035	0.0014	0.0006	0.0002	0.0000	0.0000	0.0000	0.0001	0.1844
!5E-(	0.35E-04	0.0005	0.0035	0.0139	0.0808	0.0227	0.0104	0.0048	0.0038	0.0018	0.0007	0.0006	0.0002	0.0000	0.0000	0.0000	0.0001	0.1439
!0E-(	0.40E-04	0.0005	0.0028	0.0088	0.0649	0.0167	0.0075	0.0024	0.0032	0.0012	0.0007	0.0002	0.0002	0.0000	0.0000	0.0000	0.0001	0.1092
!0E-(	0.50E-04	0.0002	0.0013	0.0054	0.0447	0.0083	0.0038	0.0012	0.0013	0.0005	0.0003	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0674
!0E-(	0.60E-04	0.0000	0.0009	0.0020	0.0272	0.0045	0.0016	0.0006	0.0002	0.0001	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0373
'0E-(	0.70E-04	0.0000	0.0002	0.0008	0.0149	0.0028	0.0008	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197
!5E-(	0.85E-04	0.0000	0.0000	0.0003	0.0048	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0056
.0E-(	0.10E-03	0.0000	0.0000	0.0001	0.0009	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013
.3E-(	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
.7E-(	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!5E-(	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!5E-(	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
'0E-(	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!5E-(	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.0E-(	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4E-(	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.40E-02																	

ND I 0GROUND RELKASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABIL: PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

I 8

TIZI TEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
!0E+(	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.0E-(	0.10E-09	0.5724	0.7605	0.9387	0.9915	0.8365	0.6673	0.6335	0.8752	0.8685	0.9435	0.9033	0.6242	0.1321	0.1003	0.1280	0.2621	10.2376
.5E-(	0.35E-08	0.1786	0.2401	0.3303	0.5959	0.3401	0.2466	0.2375	0.2282	0.2865	0.3363	0.3714	0.2408	0.1321	0.1003	0.1155	0.1358	4.1157
0E-(	0.10E-07	0.1786	0.2401	0.3303	0.4214	0.3401	0.2466	0.2375	0.2282	0.2865	0.3363	0.3714	0.2408	0.1321	0.1003	0.1155	0.1358	3.9413
!5E-(	0.25E-07	0.1786	0.2401	0.3303	0.4214	0.3401	0.2466	0.2375	0.2282	0.2865	0.3363	0.3714	0.2408	0.1321	0.1003	0.1155	0.1358	3.9413
'0E-(	0.70E-07	0.1786	0.2401	0.3303	0.4214	0.3401	0.2466	0.2375	0.2282	0.2865	0.3363	0.3714	0.2408	0.1321	0.1003	0.1155	0.1358	3.9413
0E-(	0.10E-06	0.1786	0.2401	0.3303	0.4214	0.3401	0.2466	0.2375	0.2282	0.2865	0.3363	0.3714	0.2408	0.1321	0.1003	0.1155	0.1358	3.9413

15E-	0.15E-06	0.1786	0.2401	0.3303	0.4214	0.3401	0.2466	0.2375	0.2282	0.2865	0.3363	0.3714	0.2408	0.1321	0.1003	0.1155	0.1358	3.9413
22E-	0.22E-06	0.1786	0.2401	0.3303	0.4214	0.3401	0.2466	0.2375	0.2282	0.2865	0.3363	0.3714	0.2408	0.1321	0.1003	0.1155	0.1358	3.9413
32E-	0.32E-06	0.1786	0.2401	0.3303	0.4214	0.3401	0.2466	0.2375	0.2282	0.2865	0.3363	0.3714	0.2408	0.1321	0.1003	0.1155	0.1358	3.9413
48E-	0.48E-06	0.1786	0.2391	0.3303	0.4214	0.3401	0.2466	0.2375	0.2282	0.2865	0.3343	0.3711	0.2376	0.1321	0.1003	0.1155	0.1358	3.9348
70E-	0.70E-06	0.1778	0.2384	0.3303	0.4214	0.3401	0.2466	0.2365	0.2271	0.2848	0.3291	0.3681	0.2332	0.1308	0.1003	0.1146	0.1346	3.9137
10E-	0.10E-05	0.1772	0.2380	0.3303	0.4214	0.3399	0.2466	0.2365	0.2265	0.2839	0.3238	0.3659	0.2310	0.1308	0.1003	0.1146	0.1345	3.9013
15E-	0.15E-05	0.1751	0.2363	0.3291	0.4206	0.3381	0.2447	0.2365	0.2246	0.2808	0.3187	0.3630	0.2242	0.1300	0.1003	0.1146	0.1343	3.8710
20E-	0.20E-05	0.1746	0.2318	0.3276	0.4196	0.3379	0.2439	0.2362	0.2244	0.2797	0.3115	0.3585	0.2179	0.1290	0.0984	0.1142	0.1337	3.8390
30E-	0.30E-05	0.1731	0.2293	0.3270	0.4190	0.3368	0.2439	0.2353	0.2234	0.2772	0.3056	0.3478	0.2114	0.1275	0.0984	0.1141	0.1329	3.8029
40E-	0.40E-05	0.1675	0.2281	0.3259	0.4184	0.3368	0.2432	0.2350	0.2221	0.2761	0.3001	0.3427	0.2077	0.1252	0.0981	0.1140	0.1298	3.7708
50E-	0.50E-05	0.1662	0.2266	0.3245	0.4184	0.3356	0.2428	0.2349	0.2203	0.2738	0.2964	0.3356	0.2010	0.1218	0.0976	0.1126	0.1284	3.7366
70E-	0.70E-05	0.1637	0.2252	0.3232	0.4174	0.3346	0.2415	0.2325	0.2201	0.2702	0.2926	0.3218	0.1894	0.1123	0.0866	0.1041	0.1239	3.6591
85E-	0.85E-05	0.1567	0.2222	0.3220	0.4165	0.3335	0.2401	0.2294	0.2184	0.2676	0.2907	0.3131	0.1798	0.1076	0.0737	0.0922	0.1165	3.5799
10E-	0.10E-04	0.1499	0.2173	0.3203	0.4153	0.3304	0.2379	0.2251	0.2135	0.2632	0.2880	0.2958	0.1668	0.1011	0.0634	0.0809	0.1074	3.4763
15E-	0.15E-04	0.1258	0.1991	0.3004	0.3961	0.3199	0.2235	0.2052	0.1914	0.2395	0.2486	0.2387	0.1172	0.0663	0.0430	0.0587	0.0853	3.0587
20E-	0.20E-04	0.0983	0.1741	0.2828	0.3851	0.3085	0.2124	0.1806	0.1700	0.2090	0.2003	0.1750	0.0828	0.0448	0.0264	0.0383	0.0591	2.6476
25E-	0.25E-04	0.0791	0.1564	0.2589	0.3736	0.2916	0.1912	0.1568	0.1476	0.1735	0.1646	0.1365	0.0567	0.0317	0.0156	0.0294	0.0496	2.3127
30E-	0.30E-04	0.0677	0.1375	0.2382	0.3548	0.2746	0.1751	0.1350	0.1305	0.1431	0.1342	0.1007	0.0406	0.0225	0.0088	0.0213	0.0350	2.0195
35E-	0.35E-04	0.0544	0.1182	0.2221	0.3476	0.2477	0.1577	0.1160	0.1118	0.1185	0.1104	0.0744	0.0276	0.0133	0.0074	0.0161	0.0252	1.7683
40E-	0.40E-04	0.0420	0.1052	0.2089	0.3382	0.2372	0.1406	0.1009	0.1009	0.1040	0.0916	0.0552	0.0180	0.0082	0.0053	0.0101	0.0175	1.5839
50E-	0.50E-04	0.0237	0.0801	0.1751	0.3120	0.2010	0.1032	0.0708	0.0678	0.0704	0.0662	0.0278	0.0075	0.0027	0.0024	0.0055	0.0090	1.2252
60E-	0.60E-04	0.0128	0.0614	0.1411	0.2901	0.1738	0.0867	0.0482	0.0466	0.0500	0.0424	0.0150	0.0038	0.0006	-0.0008	0.0025	0.0031	0.9790
70E-	0.70E-04	0.0095	0.0466	0.1141	0.2724	0.1467	0.0747	0.0355	0.0330	0.0345	0.0278	0.0081	0.0020	0.0000	0.0000	0.0017	0.0013	0.8077
85E-	0.85E-04	0.0028	0.0326	0.0773	0.2435	0.1167	0.0499	0.0210	0.0243	0.0193	0.0131	0.0056	0.0013	0.0000	0.0000	0.0003	0.0008	0.6085
10E-	0.10E-03	0.0021	0.0201	0.0579	0.2210	0.0895	0.0416	0.0157	0.0151	0.0135	0.0062	0.0023	0.0009	0.0000	0.0000	0.0000	0.0005	0.4862
13E-	0.13E-03	0.0009	0.0058	0.0337	0.1867	0.0542	0.0209	0.0063	0.0063	0.0065	0.0027	0.0001	0.0009	0.0000	0.0000	0.0000	0.0000	0.3250
17E-	0.17E-03	0.0000	0.0032	0.0168	0.1454	0.0338	0.0126	0.0020	0.0016	0.0033	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2197
20E-	0.20E-03	0.0000	0.0024	0.0119	0.1220	0.0199	0.0076	0.0016	0.0000	0.0014	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1675
25E-	0.25E-03	0.0000	0.0021	0.0039	0.0874	0.0086	0.0044	0.0013	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1081
30E-	0.30E-03	0.0000	0.0005	0.0022	0.0624	0.0038	0.0013	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0703
35E-	0.35E-03	0.0000	0.0005	0.0009	0.0418	0.0021	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0459
40E-	0.40E-03	0.0000	0.0003	0.0000	0.0265	0.0012	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0281
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0090	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0092
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 60

VATE 0ELEVATED RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

8 8

NTI? VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.1786	0.2401	0.3303	0.8015	0.3401	0.2466	0.2375	0.2282	0.2865	0.3363	0.3714	0.2408	0.1321	0.1003	0.1155	0.1358	4.3214
35E-	0.35E-08	0.1786	0.2401	0.3303	0.4214	0.3401	0.2466	0.2375	0.2282	0.2865	0.3363	0.3714	0.2408	0.1321	0.1003	0.1155	0.1358	3.9413
10E-	0.10E-07	0.1786	0.2391	0.3303	0.4214	0.3401	0.2466	0.2375	0.2282	0.2865	0.3343	0.3711	0.2375	0.1321	0.1003	0.1155	0.1358	3.9346
25E-	0.25E-07	0.1754	0.2347	0.3293	0.4211	0.3395	0.2466	0.2356	0.2255	0.2810	0.3165	0.3569	0.2167	0.1284	0.0994	0.1142	0.1336	3.8545
70E-	0.70E-07	0.1674	0.2262	0.3248	0.4182	0.3344	0.2416	0.2339	0.2212	0.2720	0.2959	0.3381	0.2084	0.1246	0.0984	0.1140	0.1298	3.7490
10E-	0.10E-06	0.1655	0.2252	0.3238	0.4182	0.3339	0.2416	0.2325	0.2206	0.2712	0.2954	0.3316	0.2054	0.1228	0.0982	0.1140	0.1298	3.7300
15E-	0.15E-06	0.1641	0.2241	0.3229	0.4182	0.3339	0.2416	0.2315	0.2199	0.2697	0.2922	0.3258	0.2018	0.1225	0.0982	0.1119	0.1289	3.7074
22E-	0.22E-06	0.1641	0.2204	0.3218	0.4165	0.3334	0.2402	0.2304	0.2194	0.2696	0.2897	0.3185	0.1973	0.1208	0.0967	0.1108	0.1271	3.6769
32E-	0.32E-06	0.1608	0.2203	0.3205	0.4159	0.3311	0.2383	0.2304	0.2174	0.2666	0.2874	0.3066	0.1814	0.1088	0.0827	0.0983	0.1217	3.5882
48E-	0.48E-06	0.1429	0.2123	0.3168	0.4128	0.3281	0.2341	0.2199	0.2088	0.2597	0.2797	0.2730	0.1520	0.0944	0.0553	0.0740	0.1003	3.3641

EC-ENVR-1057
Page 418

0E-(	0.70E-06	0.1303	0.2007	0.3010	0.3997	0.3209	0.2251	0.2052	0.1948	0.2421	0.2550	0.2335	0.1185	0.0716	0.0437	0.0584	0.0820	3.0824
.0E-(	0.10E-05	0.1061	0.1791	0.2848	0.3857	0.3090	0.2113	0.1801	0.1720	0.2124	0.2165	0.1751	0.0769	0.0461	0.0259	0.0362	0.0574	2.6747
.5E-(	0.15E-05	0.0747	0.1530	0.2595	0.3658	0.2890	0.1831	0.1508	0.1444	0.1772	0.1726	0.1130	0.0444	0.0249	0.0111	0.0213	0.0354	2.2199
0E-(	0.20E-05	0.0531	0.1269	0.2335	0.3552	0.2617	0.1667	0.1254	0.1237	0.1372	0.1216	0.0707	0.0227	0.0134	0.0061	0.0104	0.0196	1.8478
0E-(	0.30E-05	0.0256	0.0889	0.1927	0.3281	0.2231	0.1203	0.0847	0.0863	0.0915	0.0793	0.0314	0.0078	0.0023	0.0037	0.0043	0.0060	1.3760
0E-(	0.40E-05	0.0133	0.0610	0.1600	0.3094	0.2021	0.0953	0.0631	0.0669	0.0646	0.0498	0.0148	0.0033	0.0000	0.0018	0.0029	0.0020	1.1101
0E-(	0.50E-05	0.0075	0.0462	0.1366	0.2934	0.1797	0.0874	0.0528	0.0473	0.0406	0.0296	0.0085	0.0027	0.0000	0.0008	0.0015	0.0018	0.9364
0E-(	0.70E-05	0.0031	0.0269	0.0900	0.2602	0.1315	0.0669	0.0286	0.0273	0.0205	0.0095	0.0031	0.0009	0.0000	0.0000	0.0000	0.0009	0.6694
5E-(	0.85E-05	0.0021	0.0165	0.0717	0.2354	0.1062	0.0466	0.0225	0.0201	0.0137	0.0055	0.0028	0.0009	0.0000	0.0000	0.0000	0.0008	0.5447
0E-(	0.10E-04	0.0018	0.0119	0.0520	0.2197	0.0884	0.0397	0.0142	0.0166	0.0100	0.0044	0.0016	0.0009	0.0000	0.0000	0.0000	0.0008	0.4620
5E-	0.15E-04	0.0000	0.0047	0.0272	0.1651	0.0435	0.0169	0.0029	0.0045	0.0044	0.0013	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000	0.2714
0E-	0.20E-04	0.0000	0.0022	0.0131	0.1270	0.0233	0.0091	0.0018	0.0000	0.0014	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1789
5E-	0.25E-04	0.0000	0.0018	0.0063	0.0945	0.0115	0.0045	0.0014	0.0000	0.0005	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1209
0E-	0.30E-04	0.0000	0.0012	0.0030	0.0712	0.0044	0.0022	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0829
5E-	0.35E-04	0.0000	0.0005	0.0017	0.0537	0.0024	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0590
0E-	0.40E-04	0.0000	0.0003	0.0012	0.0377	0.0014	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0407
5E-	0.50E-04	0.0000	0.0000	0.0000	0.0172	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0176
0E-	0.60E-04	0.0000	0.0000	0.0000	0.0068	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0068
0E-	0.70E-04	0.0000	0.0000	0.0000	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020
5E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-	0.40E-02																	

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 61

JND 0GROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

6 16

NTIZ VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.2843	0.5607	0.7775	0.9654	0.7637	0.6637	0.4028	0.3769	0.6830	0.7386	0.7364	0.3887	0.2199	0.1764	0.1903	0.2201	8.1484
35E-	0.35E-08	0.2843	0.3612	0.4912	0.6213	0.5444	0.4128	0.4028	0.3768	0.4473	0.5081	0.5572	0.3887	0.2199	0.1764	0.1903	0.2201	6.2028
10E-	0.10E-07	0.2843	0.3612	0.4912	0.6213	0.5444	0.4128	0.4028	0.3768	0.4473	0.5081	0.5572	0.3887	0.2199	0.1764	0.1903	0.2201	6.2028
25E-	0.25E-07	0.2843	0.3612	0.4912	0.6213	0.5444	0.4128	0.4028	0.3768	0.4473	0.5081	0.5572	0.3887	0.2199	0.1764	0.1903	0.2201	6.2028
70E-	0.70E-07	0.2843	0.3612	0.4912	0.6213	0.5444	0.4128	0.4028	0.3768	0.4473	0.5081	0.5572	0.3887	0.2199	0.1764	0.1903	0.2201	6.2028
10E-	0.10E-06	0.2843	0.3612	0.4912	0.6213	0.5444	0.4128	0.4028	0.3768	0.4473	0.5081	0.5572	0.3887	0.2199	0.1764	0.1903	0.2201	6.2028
15E-	0.15E-06	0.2843	0.3612	0.4912	0.6213	0.5444	0.4128	0.4028	0.3768	0.4473	0.5081	0.5572	0.3887	0.2199	0.1764	0.1903	0.2201	6.2028
22E-	0.22E-06	0.2843	0.3612	0.4912	0.6213	0.5444	0.4128	0.4028	0.3768	0.4473	0.5081	0.5572	0.3887	0.2199	0.1764	0.1903	0.2201	6.2028
32E-	0.32E-06	0.2843	0.3599	0.4912	0.6213	0.5444	0.4128	0.4028	0.3768	0.4473	0.5043	0.5571	0.3873	0.2199	0.1764	0.1903	0.2201	6.1962
48E-	0.48E-06	0.2840	0.3593	0.4912	0.6213	0.5444	0.4128	0.4009	0.3757	0.4459	0.4998	0.5538	0.3774	0.2178	0.1764	0.1885	0.2196	6.1688
70E-	0.70E-06	0.2836	0.3588	0.4912	0.6213	0.5444	0.4128	0.4009	0.3756	0.4440	0.4933	0.5505	0.3710	0.2178	0.1764	0.1885	0.2194	6.1494
10E-	0.10E-05	0.2808	0.3559	0.4906	0.6213	0.5416	0.4091	0.4009	0.3718	0.4405	0.4885	0.5474	0.3516	0.2137	0.1744	0.1880	0.2191	6.0952
15E-	0.15E-05	0.2763	0.3495	0.4889	0.6212	0.5411	0.4082	0.3987	0.3707	0.4362	0.4760	0.5277	0.3297	0.1988	0.1625	0.1811	0.2149	5.9816
20E-	0.20E-05	0.2616	0.3479	0.4886	0.6211	0.5411	0.4075	0.3967	0.3673	0.4290	0.4667	0.5182	0.3169	0.1866	0.1368	0.1629	0.2003	5.8492

EC-ENVR-1057
Page 419

30E-	0.30E-05	0.2461	0.3363	0.4839	0.6160	0.5348	0.3997	0.3821	0.3552	0.4173	0.4462	0.4747	0.2658	0.1621	0.1032	0.1262	0.1722	5.5217
40E-	0.40E-05	0.2235	0.3251	0.4769	0.6051	0.5301	0.3942	0.3713	0.3478	0.4023	0.4205	0.4212	0.2274	0.1390	0.0856	0.1051	0.1494	5.2247
50E-	0.50E-05	0.1975	0.3123	0.4689	0.5985	0.5214	0.3821	0.3522	0.3221	0.3791	0.3804	0.3869	0.1874	0.1003	0.0633	0.0876	0.1258	4.8657
70E-	0.70E-05	0.1597	0.2784	0.4476	0.5844	0.5058	0.3563	0.3061	0.2814	0.3335	0.3217	0.2951	0.1305	0.0682	0.0305	0.0590	0.0903	4.2485
85E-	0.85E-05	0.1310	0.2501	0.4227	0.5728	0.4787	0.3334	0.2659	0.2609	0.2767	0.2614	0.2383	0.0926	0.0545	0.0219	0.0458	0.0661	3.7727
10E-	0.10E-04	0.1157	0.2267	0.4056	0.5577	0.4579	0.3057	0.2437	0.2349	0.2456	0.2371	0.1870	0.0661	0.0397	0.0178	0.0329	0.0515	3.4256
15E-	0.15E-04	0.0601	0.1682	0.3422	0.5096	0.3772	0.2173	0.1526	0.1544	0.1684	0.1587	0.0859	0.0302	0.0107	0.0066	0.0134	0.0239	2.4793
20E-	0.20E-04	0.0310	0.1159	0.2593	0.4619	0.3057	0.1659	0.0923	0.0968	0.1103	0.0986	0.0369	0.0101	0.0008	0.0007	0.0052	0.0074	1.7987
25E-	0.25E-04	0.0154	0.0821	0.1938	0.4183	0.2514	0.1212	0.0576	0.0663	0.0709	0.0548	0.0169	0.0018	0.0000	0.0000	0.0016	0.0017	1.3539
30E-	0.30E-04	0.0088	0.0616	0.1571	0.3857	0.2018	0.0966	0.0454	0.0451	0.0473	0.0266	0.0101	0.0018	0.0000	0.0000	0.0001	0.0014	1.0895
35E-	0.35E-04	0.0031	0.0405	0.1202	0.3590	0.1582	0.0652	0.0307	0.0292	0.0307	0.0146	0.0058	0.0018	0.0000	0.0000	0.0000	0.0000	0.8589
40E-	0.40E-04	0.0021	0.0295	0.0858	0.3359	0.1314	0.0490	0.0205	0.0161	0.0216	0.0106	0.0013	0.0002	0.0000	0.0000	0.0000	0.0000	0.7040
50E-	0.50E-04	0.0000	0.0146	0.0501	0.2824	0.0906	0.0341	0.0115	0.0046	0.0108	0.0043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5032
60E-	0.60E-04	0.0000	0.0068	0.0342	0.2488	0.0609	0.0211	0.0056	0.0015	0.0041	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3859
70E-	0.70E-04	0.0000	0.0050	0.0196	0.2116	0.0385	0.0143	0.0046	0.0000	0.0025	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2982
85E-	0.85E-04	0.0000	0.0016	0.0126	0.1650	0.0209	0.0074	0.0028	0.0000	0.0018	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2128
10E-	0.10E-03	0.0000	0.0015	0.0063	0.1290	0.0108	0.0035	0.0000	0.0000	0.0008	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1524
13E-	0.13E-03	0.0000	0.0007	0.0000	0.0709	0.0035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0750
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0292	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0292
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0115
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 62

VATE 0ELEVATED RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

6 16

NTIZ VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000
10E-	0.10E-09	0.2843	0.3612	0.4912	0.6213	0.5444	0.4128	0.4028	0.3768	0.4473	0.5081	0.5572	0.3887	0.2199	0.1764	0.1903	0.2201	6.2028
35E-	0.35E-08	0.2843	0.3612	0.4912	0.6213	0.5444	0.4128	0.4028	0.3768	0.4473	0.5081	0.5572	0.3887	0.2199	0.1764	0.1903	0.2201	6.2028
10E-	0.10E-07	0.2835	0.3571	0.4910	0.6213	0.5440	0.4128	0.3991	0.3756	0.4418	0.4929	0.5424	0.3557	0.2135	0.1745	0.1881	0.2189	6.1122
25E-	0.25E-07	0.2754	0.3480	0.4878	0.6212	0.5394	0.4052	0.3968	0.3668	0.4314	0.4635	0.5259	0.3339	0.2062	0.1727	0.1879	0.2127	5.9748
70E-	0.70E-07	0.2622	0.3410	0.4846	0.6197	0.5386	0.4037	0.3902	0.3641	0.4201	0.4508	0.4920	0.3051	0.1855	0.1383	0.1655	0.2031	5.7646
10E-	0.10E-06	0.2462	0.3358	0.4824	0.6175	0.5305	0.3987	0.3839	0.3575	0.4106	0.4445	0.4633	0.2759	0.1674	0.1095	0.1366	0.1789	5.5391
15E-	0.15E-06	0.2248	0.3213	0.4746	0.6024	0.5266	0.3918	0.3676	0.3432	0.3931	0.4137	0.3978	0.2224	0.1333	0.0838	0.1067	0.1470	5.1500
22E-	0.22E-06	0.1840	0.2997	0.4607	0.5923	0.5150	0.3723	0.3291	0.3010	0.3612	0.3605	0.3324	0.1568	0.0874	0.0486	0.0714	0.1112	4.5836
32E-	0.32E-06	0.1401	0.2631	0.4337	0.5753	0.4903	0.3328	0.2822	0.2612	0.3070	0.2987	0.2340	0.0961	0.0578	0.0233	0.0462	0.0694	3.9110
48E-	0.48E-06	0.0882	0.2035	0.3884	0.5473	0.4231	0.2785	0.2114	0.2095	0.2195	0.2056	0.1283	0.0440	0.0244	0.0138	0.0210	0.0353	3.0417
70E-	0.70E-06	0.0478	0.1466	0.3152	0.4922	0.3615	0.1964	0.1299	0.1395	0.1462	0.1360	0.0535	0.0195	0.0037	0.0050	0.0090	0.0139	2.2159
10E-	0.10E-05	0.0165	0.0852	0.2001	0.4218	0.2543	0.1267	0.0649	0.0684	0.0783	0.0610	0.0183	0.0031	0.0000	0.0000	0.0035	0.0017	1.4037
15E-	0.15E-05	0.0024	0.0386	0.1099	0.3526	0.1636	0.0666	0.0304	0.0278	0.0310	0.0143	0.0044	0.0000	0.0000	0.0000	0.0000	0.0000	0.8416
20E-	0.20E-05	0.0000	0.0182	0.0520	0.2930	0.1041	0.0378	0.0113	0.0080	0.0127	0.0067	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5437
30E-	0.30E-05	0.0000	0.0033	0.0173	0.2025	0.0346	0.0123	0.0038	0.0000	0.0031	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2786
40E-	0.40E-05	0.0000	0.0015	0.0055	0.1301	0.0149	0.0041	0.0012	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1584
50E-	0.50E-05	0.0000	0.0014	0.0017	0.0814	0.0051	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0914
70E-	0.70E-05	0.0000	0.0000	0.0000	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197

35E-	0.85E-05	0.0000	0.0000	0.0000	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0062
10E-	0.10E-04	0.0000	0.0000	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009
15E-	0.15E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.40E-02																	

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 63

ND : 0GROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

BIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

: 72

TIZ	QUANTIZED																	
EL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
0E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	0.7336	0.8055	0.9397	0.9916	0.9775	0.8640	0.9016	0.8654	0.9093	0.9268	0.9321	0.8550	0.6218	0.5233	0.5685	0.6101	13.0258
35E-	0.35E-08	0.7336	0.8055	0.9275	0.9847	0.9625	0.8640	0.9016	0.8654	0.9093	0.9268	0.9321	0.8550	0.6218	0.5233	0.5685	0.6101	12.9917
10E-	0.10E-07	0.7336	0.8055	0.9275	0.9847	0.9625	0.8640	0.9016	0.8654	0.9093	0.9268	0.9321	0.8550	0.6218	0.5233	0.5685	0.6101	12.9917
25E-	0.25E-07	0.7336	0.8055	0.9275	0.9847	0.9625	0.8640	0.9016	0.8654	0.9093	0.9268	0.9321	0.8550	0.6218	0.5233	0.5685	0.6101	12.9917
70E-	0.70E-07	0.7336	0.8055	0.9275	0.9847	0.9625	0.8640	0.9016	0.8654	0.9093	0.9244	0.9321	0.8550	0.6218	0.5233	0.5685	0.6101	12.9893
10E-	0.10E-06	0.7335	0.8054	0.9275	0.9847	0.9625	0.8640	0.8989	0.8650	0.9092	0.9235	0.9320	0.8456	0.6216	0.5233	0.5665	0.6097	12.9728
15E-	0.15E-06	0.7335	0.8054	0.9275	0.9847	0.9625	0.8640	0.8989	0.8650	0.9092	0.9214	0.9315	0.8367	0.6133	0.5233	0.5665	0.6097	12.9530
22E-	0.22E-06	0.7314	0.8001	0.9275	0.9847	0.9625	0.8639	0.8989	0.8607	0.9085	0.9207	0.9314	0.8154	0.5968	0.5150	0.5661	0.6093	12.8930
32E-	0.32E-06	0.7281	0.7960	0.9261	0.9847	0.9625	0.8637	0.8982	0.8606	0.9069	0.9169	0.9212	0.8083	0.5855	0.4950	0.5565	0.6036	12.8137
48E-	0.48E-06	0.6941	0.7945	0.9261	0.9847	0.9625	0.8637	0.8966	0.8508	0.9048	0.9112	0.9179	0.7950	0.5484	0.4307	0.5065	0.5726	12.5601
70E-	0.70E-06	0.6892	0.7759	0.9259	0.9843	0.9622	0.8571	0.8750	0.8486	0.9020	0.8984	0.8998	0.7427	0.5168	0.3742	0.4153	0.5341	12.2016
10E-	0.10E-05	0.6618	0.7571	0.9218	0.9834	0.9540	0.8421	0.8567	0.8146	0.8865	0.8821	0.8715	0.6822	0.4308	0.3082	0.3512	0.4861	11.6901
15E-	0.15E-05	0.5714	0.7230	0.9186	0.9814	0.9533	0.8145	0.8252	0.7811	0.8576	0.8108	0.8299	0.5756	0.3153	0.2062	0.2772	0.3914	10.8326
20E-	0.20E-05	0.4733	0.6791	0.8978	0.9796	0.9296	0.7881	0.7628	0.7563	0.7754	0.7608	0.7555	0.4850	0.2473	0.1495	0.1944	0.3142	9.9486
30E-	0.30E-05	0.3512	0.6220	0.8689	0.9659	0.9061	0.7245	0.6634	0.6619	0.6838	0.6682	0.6482	0.3168	0.1607	0.0852	0.1337	0.2205	8.6810
40E-	0.40E-05	0.2881	0.5432	0.8292	0.9467	0.8655	0.6777	0.5701	0.5826	0.6003	0.6089	0.5417	0.2076	0.0900	0.0431	0.0860	0.1518	7.6325
50E-	0.50E-05	0.2252	0.4556	0.7776	0.9298	0.8083	0.6031	0.4837	0.4694	0.5175	0.5391	0.4385	0.1389	0.0528	0.0288	0.0429	0.0778	6.5890
70E-	0.70E-05	0.1212	0.3512	0.6814	0.9032	0.7482	0.5066	0.3357	0.3548	0.3741	0.3730	0.2699	0.0475	0.0093	0.0008	0.0152	0.0206	5.1127
85E-	0.85E-05	0.0658	0.2892	0.6076	0.8761	0.7057	0.4254	0.2595	0.2900	0.2927	0.2575	0.1655	0.0265	0.0010	0.0000	0.0111	0.0000	4.2737
10E-	0.10E-04	0.0318	0.2428	0.5449	0.8601	0.6682	0.3550	0.1938	0.2017	0.2307	0.1889	0.1039	0.0089	0.0000	0.0000	0.0032	0.0000	3.6339
15E-	0.15E-04	0.0044	0.1153	0.3542	0.7818	0.4655	0.2122	0.0740	0.0520	0.0788	0.0619	0.0092	0.0000	0.0000	0.0000	0.0000	0.0000	2.2093
20E-	0.20E-04	0.0000	0.0543	0.2010	0.7052	0.3061	0.0959	0.0375	0.0086	0.0303	0.0243	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	1.4644

5E-0	0.25E-04	0.0000	0.0219	0.1188	0.6277	0.2189	0.0486	0.0171	0.0001	0.0207	0.0108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0847
0E-0	0.30E-04	0.0000	0.0138	0.0604	0.5419	0.1503	0.0362	0.0050	0.0000	0.0088	0.0068	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.8232
5E-0	0.35E-04	0.0000	0.0076	0.0322	0.4545	0.0835	0.0201	0.0017	0.0000	0.0038	0.0035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6068
0E-0	0.40E-04	0.0000	0.0012	0.0168	0.3826	0.0376	0.0078	0.0000	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4469
0E-0	0.50E-04	0.0000	0.0000	0.0001	0.2595	0.0141	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2737
0E-0	0.60E-04	0.0000	0.0000	0.0000	0.1851	0.0022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1873
0E-0	0.70E-04	0.0000	0.0000	0.0000	0.1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1350
5E-0	0.85E-04	0.0000	0.0000	0.0000	0.0658	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0658
0E-0	0.10E-03	0.0000	0.0000	0.0000	0.0345	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0345
3E-0	0.13E-03	0.0000	0.0000	0.0000	0.0053	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0053
7E-0	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-0	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-0	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-0	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4E-0	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.40E-02																	

YEAF 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 64

ATEL 0ELEVATED RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

BILI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

72

TIZE EL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
0E+0	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
0E-0	0.10E-09	0.7336	0.8055	0.9275	0.9847	0.9625	0.8640	0.9016	0.8654	0.9093	0.9268	0.9321	0.8550	0.6218	0.5233	0.5685	0.6101	12.9917
5E-0	0.35E-08	0.7248	0.7984	0.9275	0.9847	0.9625	0.8639	0.8982	0.8583	0.9064	0.9191	0.9241	0.8093	0.5754	0.5150	0.5662	0.6044	12.8384
0E-0	0.10E-07	0.7199	0.7922	0.9261	0.9847	0.9622	0.8637	0.8981	0.8522	0.8983	0.9065	0.9145	0.8002	0.5614	0.5122	0.5557	0.6010	12.7489
5E-0	0.25E-07	0.6892	0.7644	0.9259	0.9847	0.9597	0.8571	0.8720	0.8488	0.8920	0.8968	0.8891	0.7404	0.5173	0.3786	0.4172	0.5359	12.1690
0E-0	0.70E-07	0.5054	0.6997	0.9148	0.9814	0.9436	0.7963	0.7865	0.7593	0.8174	0.7854	0.7545	0.4782	0.2749	0.1631	0.2247	0.3345	10.2197
0E-0	0.10E-06	0.3932	0.6361	0.8883	0.9773	0.9250	0.7479	0.7126	0.7135	0.7372	0.7087	0.6619	0.3441	0.2069	0.1168	0.1479	0.2510	9.1683
5E-0	0.15E-06	0.3029	0.5689	0.8534	0.9493	0.8845	0.6891	0.5859	0.6146	0.6330	0.6191	0.5295	0.2039	0.1101	0.0484	0.0904	0.1603	7.8433
2E-0	0.22E-06	0.2024	0.4319	0.7480	0.9222	0.8036	0.5852	0.4642	0.4503	0.4897	0.4893	0.3647	0.1127	0.0365	0.0181	0.0367	0.0528	6.2084
2E-0	0.32E-06	0.0801	0.3116	0.6350	0.8906	0.7358	0.4620	0.3085	0.3182	0.3436	0.2900	0.1776	0.0285	0.0016	0.0000	0.0119	0.0000	4.5950
8E-0	0.48E-06	0.0130	0.1780	0.4906	0.8375	0.6024	0.2916	0.1568	0.1406	0.1828	0.1245	0.0519	0.0000	0.0000	0.0000	0.0000	0.0000	3.0697
0E-0	0.70E-06	0.0039	0.0817	0.2881	0.7547	0.4154	0.1529	0.0535	0.0311	0.0556	0.0443	0.0047	0.0000	0.0000	0.0000	0.0000	0.0000	1.8859
0E-0	0.10E-05	0.0000	0.0182	0.1207	0.6429	0.2454	0.0620	0.0159	0.0009	0.0219	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1413
5E-0	0.15E-05	0.0000	0.0091	0.0239	0.4258	0.0737	0.0240	0.0000	0.0000	0.0067	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5639
0E-0	0.20E-05	0.0000	0.0000	0.0001	0.2785	0.0124	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2920
0E-0	0.30E-05	0.0000	0.0000	0.0000	0.0978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0978
0E-0	0.40E-05	0.0000	0.0000	0.0000	0.0312	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0312
0E-0	0.50E-05	0.0000	0.0000	0.0000	0.0041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0041
0E-0	0.70E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-0	0.85E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.10E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-0	0.15E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.20E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-0	0.25E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.30E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-0	0.35E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-0	0.40E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

EC-ENVR-1057
Page 422

50E-	0.50E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.60E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																		

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 65

UND 0GROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

4 624

NTIZ	QUANTIZED																		
VEL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS	
00E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000		
10E-	0.10E-09	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9811	0.9813	1.0000	1.0000	15.9624	
35E-	0.35E-08	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9811	0.9813	1.0000	1.0000	15.9624	
10E-	0.10E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9811	0.9813	1.0000	1.0000	15.9624	
25E-	0.25E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9811	0.9813	1.0000	1.0000	15.9624	
70E-	0.70E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9810	0.9754	0.9872	1.0000	15.9436	
10E-	0.10E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9730	0.8858	0.9872	1.0000	15.8460	
15E-	0.15E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9728	0.8471	0.9835	1.0000	15.8035	
22E-	0.22E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9499	0.7059	0.9524	1.0000	15.6082	
32E-	0.32E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9825	0.9109	0.6418	0.9254	1.0000	15.4606	
48E-	0.48E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9454	0.8179	0.5954	0.8880	0.9743	15.2209	
70E-	0.70E-06	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9182	0.6877	0.5268	0.7653	0.9240	14.8220	
10E-	0.10E-05	0.9965	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8786	0.5924	0.3496	0.5397	0.8629	14.2198	
15E-	0.15E-05	0.9276	1.0000	1.0000	1.0000	1.0000	0.9918	1.0000	1.0000	1.0000	1.0000	0.9992	0.7609	0.4005	0.2100	0.2403	0.5500	13.0803	
20E-	0.20E-05	0.8032	0.9949	1.0000	1.0000	1.0000	0.9888	1.0000	0.9923	1.0000	1.0000	0.9850	0.5577	0.2498	0.1186	0.1462	0.2665	12.1031	
30E-	0.30E-05	0.3978	0.8773	1.0000	1.0000	1.0000	0.9675	0.9220	0.9499	0.9972	0.9941	0.8753	0.3647	0.0333	0.0000	0.0000	0.0187	10.3978	
40E-	0.40E-05	0.1622	0.7422	0.9994	1.0000	1.0000	0.9404	0.7857	0.7719	0.9139	0.9244	0.7221	0.0938	0.0000	0.0000	0.0000	0.0000	9.0560	
50E-	0.50E-05	0.0139	0.6799	0.9827	1.0000	1.0000	0.9250	0.6825	0.6277	0.7724	0.6984	0.5761	0.0000	0.0000	0.0000	0.0000	0.0000	7.9587	
70E-	0.70E-05	0.0000	0.4136	0.9232	1.0000	0.9353	0.7473	0.4220	0.3010	0.3652	0.2599	0.0699	0.0000	0.0000	0.0000	0.0000	0.0000	5.4375	
85E-	0.85E-05	0.0000	0.1907	0.8807	1.0000	0.8759	0.5336	0.1734	0.1296	0.1413	0.1164	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4.0415	
10E-	0.10E-04	0.0000	0.1231	0.8076	1.0000	0.8309	0.3304	0.0044	0.0127	0.0915	0.0704	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.2710	
15E-	0.15E-04	0.0000	0.0000	0.2806	1.0000	0.5359	0.0528	0.0000	0.0000	0.0184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.8877	
20E-	0.20E-04	0.0000	0.0000	0.0000	0.9841	0.2575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.2416	
25E-	0.25E-04	0.0000	0.0000	0.0000	0.8938	0.1225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0164	
30E-	0.30E-04	0.0000	0.0000	0.0000	0.7918	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.7918	
35E-	0.35E-04	0.0000	0.0000	0.0000	0.6281	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6281	
40E-	0.40E-04	0.0000	0.0000	0.0000	0.3890	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3890	
50E-	0.50E-04	0.0000	0.0000	0.0000	0.1049	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1049	
60E-	0.60E-04	0.0000	0.0000	0.0000	0.0130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0130	
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

YEA 1PPL YEAR 2002 DT 60-10A 8-NOV-04••• PAGE 66
VATE 0ELEVATED RELEASE
0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)
ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL
4 624

VT1Z VEL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
30E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
10E-	0.10E-09	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9811	0.9813	1.0000	1.0000	15.9624	
35E-	0.35E-08	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9730	0.8858	0.9872	1.0000	15.8460	
10E-	0.10E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9825	0.9078	0.6418	0.9283	1.0000	15.4604
25E-	0.25E-07	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9159	0.7002	0.5297	0.7908	0.9238	14.8603
70E-	0.70E-07	0.8452	0.9992	1.0000	1.0000	1.0000	0.9889	1.0000	0.9977	1.0000	1.0000	0.9866	0.5812	0.3031	0.1584	0.1955	0.3486	12.4044
10E-	0.10E-06	0.5722	0.9354	1.0000	1.0000	1.0000	0.9804	0.9807	0.9754	1.0000	0.9994	0.8901	0.4489	0.0931	0.0187	0.0219	0.0809	10.9973
15E-	0.15E-06	0.2152	0.7547	1.0000	1.0000	1.0000	0.9449	0.8349	0.8459	0.9562	0.9480	0.6994	0.1044	0.0000	0.0000	0.0000	0.0000	9.3036
22E-	0.22E-06	0.0051	0.6279	0.9776	1.0000	0.9967	0.9065	0.6554	0.5266	0.7100	0.6267	0.3797	0.0000	0.0000	0.0000	0.0000	0.0000	7.4122
32E-	0.32E-06	0.0000	0.2669	0.9025	1.0000	0.9058	0.6309	0.2883	0.2450	0.2286	0.1601	0.0053	0.0000	0.0000	0.0000	0.0000	0.0000	4.6333
48E-	0.48E-06	0.0000	0.0628	0.7009	1.0000	0.7850	0.2100	0.0000	0.0000	0.0669	0.0560	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.8816
70E-	0.70E-06	0.0000	0.0000	0.0794	1.0000	0.4496	0.0051	0.0000	0.0000	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.5349
10E-	0.10E-05	0.0000	0.0000	0.0000	0.8808	0.1605	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0413
15E-	0.15E-05	0.0000	0.0000	0.0000	0.5254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5254
20E-	0.20E-05	0.0000	0.0000	0.0000	0.1203	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1203
30E-	0.30E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15E-	0.15E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25E-	0.25E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17E-	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

25E-	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35E-	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50E-	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60E-	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70E-	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85E-	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10E-	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14E-	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20E-	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30E-	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40E-	0.40E-02																	

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*********************************************
*                                           *
*   PPL YEAR 2003 DT 60-10A                 *
*                                           *
*   REQUEST NUMBER BS#0411-01               *
*                                           *
*   PERIOD OF RECORD   3 1 1 1 0 TO  3123124 0 *
*                                           *
*   COMPUTER RUN OF   8-NOV-04***           *
*                                           *
*   TAPE 3 SAVE FILE  FILE3NAME             *
*                                           *
*********************************************
```

1


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*********************************************
*                                           *
*   PPL YEAR 2003 DT 60-10A                 *
*                                           *
*   REQUEST NUMBER BS#0411-01               *
*                                           *
*   PERIOD OF RECORD   3 1 1 1 0 TO  3123124 0 *
*                                           *
*   COMPUTER RUN OF   8-NOV-04***           *
*                                           *
```

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                                        *    TAPE 3 SAVE FILE  FILE3NAME                *
                                        *                                               *
                                        *************************************************
. YE/   1PPL YEAR 2003 DT 60-10A            8-NOV-04***                                          PAGE      1
UTIC    0DILUTION PROCESSING SELECTED

DOW      WINDOW OPTION SELECTED
S OF     NRTS OPTION IS  0   DISTANCE EXPONENTS FOR SIGMA Y      0.00      0.00
VATE    0ELEVATER X/Q COMPUTED FOR PEAK BEYOND DISTANCE READ IN
PLUM    0NO PLUME RISE SELECTED
ED L    0SPEED LESS THAN  0.0 USE ELEVATED EQUATIONS FOR GROUND COMPUTATION
NCH     0BRANCH TECNICAL POSITION PROCESSING FOR MEANDER SELECTED
 HOF    0FOR HORIZONTAL DIFFUSION .
QUII     PASQUILL DIFFUSION SELECTED
 VEF    0FOR VERTICAL DIFFUSION
QUII     PASQUILL DIFFUSION SELECTED
MS F    0CALMS PROCESSING ----    2
LM        CALM       SPEED        DIRECTION       DIFFUSION       SPEED GROUP    FACTOR
1           1        CARDS          CALM HR         CARDS           CARDS        YES
2           2        CARDS          CALM HR         CALM HR         CARDS        NO
3           3    NON CALM HR    NON CALM HR     NON CALM HR     NON CALM HR      NO
4           4        CARDS      NON CALM HR         CARDS           CARDS        YES
5           5        CARDS      NON CALM HR         CALM HR         CARDS        NO

NTER    0 CENTERLINE, AVERAGE CUT OFF AT   8 HOURS
 YEA    1PPL YEAR 2003 DT 60-10A            8-NOV-04***                                          PAGE      2
NDOW    0 WINDOW LENGTHS SELECTED
                1         2         8         16        72        624
EDS     0SPEEDS EXCLUDED LT     0
UP S    0GROUP SPEED UPPER LIMIT
 1          1       0.5
 2          2       3.5
 3          3       7.5
 4          4      12.5
 5          5     999.0

UP U    0GROUP UPPER TEMPERATURE LIMIT
 1          1       -10
 2          2        -9
 3          3        -8
 4          4         3
 5          5         8
 6          6        24
 7          7        24+
UP R    0GROUP RANGE UPPER LIMIT
 7          7        12
 6          6        22
 5          5        45
 4          4        75
 3          3       105
 2          2       135
 1          1       360
UP S    0GROUP S UPPER LIMITS
 7          7       0.0
 6          6       0.0
 5          5       0.0
 4          4       0.0
 3          3       0.0
 2          2       0.0
 1 G        1 GT    0.0
S SO     SITE SO
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 SEL     MET SELECTION
ED       SPEED          1
ECTI     DIRECTION      1
TE T     DELTE TEMP     1
BUL      DRY BULB       1
POI      DEW POINT
YEA     1PPL YEAR 2003 DT 60-10A            8-NOV-04***                                                    PAGE      3


                                        PASQUILL GROUPS
D GR     WIND GROUP                       TEMPERATURE GROUP
                          A          B          C          D          E          F          G
                 1        1          2          3          4          5          6          7
                 2        1          2          3          4          5          6          7
                 3        1          2          3          4          5          6          7
                 4        1          2          3          4          5          6          7
                 5        1          2          3          4          5          6          7


NTIZ     QUANTIZATION LEVELS
.100       0.100000E-09   0.350000E-08   0.100000E-07   0.250000E-07   0.700000E-07   0.100000E-06   0.150000E-06
.220       0.220000E-06   0.320000E-06   0.480000E-06   0.700000E-06   0.100000E-05   0.150000E-05   0.200000E-05
.300       0.300000E-05   0.400000E-05   0.500000E-05   0.700000E-05   0.850000E-05   0.100000E-04   0.150000E-04
.200       0.200000E-04   0.250000E-04   0.300000E-04   0.350000E-04   0.400000E-04   0.500000E-04   0.600000E-04
.700       0.700000E-04   0.850000E-04   0.100000E-03   0.130000E-03   0.170000E-03   0.200000E-03   0.250000E-03
.300       0.300000E-03   0.350000E-03   0.400000E-03   0.500000E-03   0.600000E-03   0.700000E-03   0.850000E-03
.100       0.100000E-02   0.140000E-02   0.200000E-02   0.300000E-02   0.400000E-02
UPPE     0   UPPER HEIGHT   LOWER HEIGHT   EXPONENTS FOR SPEED CORRECTION      EXPONENTS FOR RANGE CORRECTION
                 33.0           33.0 0.250 0.250 0.250 0.330 0.500 0.500 0.500      0.000 0.000 0.000 0.000 0.000 0.000 0.000
ONEN     0EXPONENTIAL SPEED CORRECTION TO BE PERFORMED
QUIL      PASQUILL DIFFUSION GROUPS USED AS EXPONENT SELECTOR
TA T     0DELTA TEMPERATURE CORRECTION =     0.100000E+01
ILDI     0 BUILDING WAKE LIMIT ON X/Q SET TO 1/3
MA R      SIGMA REDUCTION FACTORS 1.00 1.00
IGAT     0FUMIGATION OFF
 YEA     1PPL YEAR 2003 DT 60-10A            8-NOV-04***                                                    PAGE      4
IZON      HORIZONTAL DIFFUSION COEFFICIENTS GROUND RELEASE(SIGY, NO DELTA DISTANCE)
           N     0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          NNE    0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          NE     0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          ENE    0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
           E     0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          ESE    0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          SE     0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          SSE    0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
           S     0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          SSW    0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          SW     0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          WSW    0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
           W     0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          WNW    0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          NW     0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
          NNW    0.117820E+03   0.868600E+02   0.629000E+02   0.423320E+02   0.309460E+02   0.219600E+02   0.144800E+02   0.544100E+02
TICA     0VERTICAL DIFFUSION COEFFICIENTS(LE.  8) GROUND RELEASE(SIG24, NO DELTA DISTANCE)
           N     0.144500E+03   0.618600E+02   0.374340E+02   0.204700E+02   0.140800E+02   0.898600E+01   0.579200E+01   0.299500E+02
          NNE    0.144500E+03   0.618600E+02   0.374340E+02   0.204700E+02   0.140800E+02   0.898600E+01   0.579200E+01   0.299500E+02
          NE     0.144500E+03   0.618600E+02   0.374340E+02   0.204700E+02   0.140800E+02   0.898600E+01   0.579200E+01   0.299500E+02
          ENE    0.144500E+03   0.618600E+02   0.374340E+02   0.204700E+02   0.140800E+02   0.898600E+01   0.579200E+01   0.299500E+02
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EC-ENVR-1057
Page 427

E	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
ESE	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
SE	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
SSE	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
S	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
SSW	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
SW	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
WSW	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
W	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
WNW	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
NW	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02
NNW	0.144500E+03	0.618600E+02	0.374340E+02	0.204700E+02	0.140800E+02	0.898600E+01	0.579200E+01	0.299500E+02

TICA 0VERTICAL DIFFUSION COEFFICIENTS(GT. 8) GROUND RELEASE(SIGAV, WITH DELTA DISTANCE)

N	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
NNE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
NE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
ENE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
E	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
ESE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SSE	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
S	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SSW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
SW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
WSW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
W	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
WNW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
NW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02
NNW	0.146469E+03	0.663296E+02	0.444327E+02	0.314957E+02	0.243866E+02	0.155638E+02	0.100317E+02	0.383401E+02

YEA 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 5

IZON 0HORIZONTAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(SIYEL, NO DELTA DISTANCE)

N	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NNE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
ENE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
E	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
ESE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
SE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
SSE	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
S	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
SSW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
SW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
WSW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
W	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
WNW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03
NNW	0.844050E+03	0.629240E+03	0.455295E+03	0.309620E+03	0.222561E+03	0.153156E+03	0.990590E+02	0.377890E+03

TICA 0VERTICAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(SIZEL, NO DELTA DISTANCE)

N	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
NNE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
NE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
ENE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
E	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
ESE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
SE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
SSE	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
S	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
SSW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
SW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03
WSW	0.100000E+04	0.100000E+04	0.252215E+03	0.927510E+02	0.586160E+02	0.314810E+02	0.210675E+02	0.156194E+03

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          W     0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
         WNW    0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
         NW     0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
         NNW    0.100000E+04   0.100000E+04   0.252215E+03   0.927510E+02   0.586160E+02   0.314810E+02   0.210675E+02   0.156194E+03
TICA    OVERTICAL DIFFUSION COEFFICIENTS ELEVATED RELEASE(GT.  8) GROUND RELEASE(SIZAV, WITH DELTA DISTANCE)
          N     0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
         NNE    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
         NE     0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
         ENE    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
          E     0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
         ESE    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
         SE     0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
         SSE    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
          S     0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
         SSW    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
         SW     0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
         WSW    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
          W     0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
         WNW    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
         NW     0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03
         NNW    0.100029E+04   0.100029E+04   0.253348E+03   0.957899E+02   0.633150E+02   0.395476E+02   0.318873E+02   0.158017E+03

 YRA    1PPL YEAR 2003 DT 60-10A              8-NOV-04***                                                                    PAGE      6
TA D    DELTA DISTANCE
          0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00   0.000000E+00
3: T    NOTE: THE FOLLOWING DISTANCES ARE ENTERED IN WIND
   O          GROUPS FROM - NOT TOWARDS, E.G. GROUP 1 IS FROM N WHERE
   D          DISTANCE IS THE VALUE FROM PLANT TO SOUTH BOUNDARY
JND     GROUND RELEASE DISTANCE ELEVATED RELEASE DISTANCE
          N          549.0                  4827.0
         NNE         549.0                  4827.0
         NE          549.0                  4827.0
         ENE         549.0                  4827.0
          E          549.0                  4827.0
         ESE         549.0                  4827.0
         SE          549.0                  4827.0
         SSE         549.0                  4827.0
          S          549.0                  4827.0
         SSW         549.0                  4827.0
         SW          549.0                  4827.0
         WSW         549.0                  4827.0
          W          549.0                  4827.0
         WNW         549.0                  4827.0
         NW          549.0                  4827.0
         NNW         549.0                  4827.0

LDIN     BUILDING WAKE EFFECTS,C =      0.500 A =  2685.000 EFFECTIVE STACK HEIGHT        0.0
 CAL     FOR CALMS    ISPG =      1    KWRGY =      0    KWRGZ =      0    FIXED SPEED =        0.4
IGMS       SIGMS Y GROUP FACTOR =  1.00SIGMA Z GROUP FACTOR =  1.00DELTA HEIGHT =164.0
IMUM    MINIMUM NON ZERO SPEED =  0.8
JUST     ADJUSTED STACK HEIGHT PARAMETERS  C =      0.00 VS =      0.00 DIAMETER =      0.00 RELEASE RATE =  0.0000E+00
IGHT     HEIGHT OF CONTAINMENT=  60.0
 VAL    MAX VALUE OF SIGMA=    1000.0
rain    terrain factor for plume height adjustment   0.00
 YEA    1PPL YEAR 2003 DT 60-10A              8-NOV-04***                                                                    PAGE      7
3       ODATE      TEMP GP SPED GP  DIR  GP  RA  RB RANG IRY IRZ      XQ LE   8      XQ GT   8  XQ(ELEV) LE   8  XQ(ELV) GT   8  H2 TER
1 1      3 1 1 1 0   12 6  1.6 2   49 NE    0    0  360  6  6 4.00 3   0.563788E-03   0.332151E-03   0.574271E-04   0.148671E-04   0.  0.0
1 1      3 1 1 2 0   15 6  2.1 2  151 SSE   0    0  360  6  6 4.00 3   0.429553E-03   0.253068E-03   0.437540E-04   0.113273E-04   0.  0.0
1 1      3 1 1 3 0   12 6  1.7 2   59 ENE   0    0  360  6  6 4.00 3   0.530624E-03   0.312613E-03   0.540490E-04   0.139925E-04   0.  0.0
1 1      3 1 1 4 0   20 6  2.2 2   81  E    0    0  360  6  6 4.00 3   0.410028E-03   0.241565E-03   0.417652E-04   0.108124E-04   0.  0.0
1 1      3 1 1 5 0   25 7  2.6 2   63 ENE   0    0  360  7  7 6.00 3   0.544199E-03   0.317118E-03   0.637007E-04   0.113468E-04   0.  0.0
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EC-ENVR-1057
Page 429

1	3	1	1	6	0	23	6	2.9	2	65	ENE	0	0	360	6	6	4.00	3	0.311055E-03	0.183256E-03	0.316839E-04	0.820253E-05	0.	0.0
1	3	1	1	7	0	22	6	2.7	2	51	NE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
1	3	1	1	8	0	15	6	4.2	3	37	NE	0	0	360	6	6	4.00	3	0.214776E-03	0.126534E-03	0.218770E-04	0.566365E-05	0.	0.0
1	3	1	1	9	0	0	5	5.9	3	32	NNE	0	0	360	5	5	2.27	3	0.121758E-03	0.574868E-04	0.738868E-05	0.251830E-05	0.	0.0
11	3	1	110	0		-1	5	6.2	3	31	NNE	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0
11	3	1	111	0		-3	4	8.0	4	40	NE	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
11	3	1	112	0		-3	4	8.6	4	41	NE	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
11	3	1	113	0		-2	5	6.9	3	39	NE	0	0	360	5	5	1.95	1	0.119567E-03	0.491554E-04	0.666481E-05	0.215333E-05	0.	0.0
11	3	1	114	0		-1	5	7.3	3	41	NE	0	0	360	5	5	1.84	1	0.113015E-03	0.464619E-04	0.641348E-05	0.203533E-05	0.	0.0
11	3	1	115	0		-1	5	8.3	4	43	NE	0	0	360	5	5	1.62	1	0.993991E-04	0.408641E-04	0.586094E-05	0.179011E-05	0.	0.0
11	3	1	116	0		-1	5	8.0	4	49	NE	0	0	360	5	5	1.68	1	0.103127E-03	0.423965E-04	0.601644E-05	0.185724E-05	0.	0.0
11	3	1	117	0		-1	5	7.8	4	47	NE	0	0	360	5	5	1.72	1	0.105771E-03	0.434836E-04	0.612477E-05	0.190486E-05	0.	0.0
11	3	1	118	0		-1	5	8.6	4	38	NE	0	0	360	5	5	1.56	1	0.959317E-04	0.394386E-04	0.571327E-05	0.172767E-05	0.	0.0
11	3	1	119	0		-1	5	9.6	4	38	NE	0	0	360	5	5	1.40	1	0.859388E-04	0.353304E-04	0.527063E-05	0.154770E-05	0.	0.0
12	3	1	120	0		-1	5	9.1	4	37	NE	0	0	360	5	5	1.47	1	0.906607E-04	0.372716E-04	0.548303E-05	0.163274E-05	0.	0.0
12	3	1	121	0		-1	5	6.6	3	24	NNE	0	0	360	5	5	2.03	3	0.121758E-03	0.513897E-04	0.686663E-05	0.225120E-05	0.	0.0
12	3	1	122	0		-1	5	6.8	3	42	NE	0	0	360	5	5	1.97	1	0.121325E-03	0.498782E-04	0.673075E-05	0.218499E-05	0.	0.0
12	3	1	123	0		-1	5	6.9	3	43	NE	0	0	360	5	5	1.95	1	0.119567E-03	0.491554E-04	0.666481E-05	0.215333E-05	0.	0.0
12	3	1	124	0		0	5	6.7	3	48	NE	0	0	360	5	5	2.00	3	0.121758E-03	0.506227E-04	0.679801E-05	0.221760E-05	0.	0.0
2	3	1	2	1	0	-1	5	4.9	3	43	NE	0	0	360	5	5	2.74	3	0.121758E-03	0.692188E-04	0.828896E-05	0.303223E-05	0.	0.0
2	3	1	2	2	0	-1	5	3.9	3	27	NNE	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
2	3	1	2	3	0	-3	4	2.2	2	333	NNW	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0
2	3	1	2	4	0	-3	4	6.9	3	5	N	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
2	3	1	2	5	0	-3	4	3.9	3	3	N	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
2	3	1	2	6	0	-4	4	4.8	3	16	NNE	0	0	360	4	4	1.91	3	0.894834E-04	0.547114E-04	0.438889E-05	0.204599E-05	0.	0.0
2	3	1	2	7	0	-4	4	5.1	3	36	NE	0	0	360	4	4	1.84	3	0.875033E-04	0.514931E-04	0.418013E-05	0.192564E-05	0.	0.0
2	3	1	2	8	0	-5	4	5.0	3	20	NNE	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
2	3	1	2	9	0	-5	4	6.3	3	49	NE	0	0	360	4	4	1.61	3	0.809378E-04	0.416849E-04	0.351865E-05	0.155885E-05	0.	0.0
21	3	1	210	0		-6	4	7.1	3	48	NE	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
21	3	1	211	0		-6	4	6.9	3	49	NE	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
21	3	1	212	0		-7	4	7.2	3	50	NE	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
21	3	1	213	0		-7	4	8.1	4	46	NE	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
21	3	1	214	0		-6	4	8.0	4	59	ENE	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
21	3	1	215	0		-6	4	5.6	3	31	NNE	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
21	3	1	216	0		-5	4	5.9	3	39	NE	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
21	3	1	217	0		-5	4	5.7	3	43	NE	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
21	3	1	218	0		-4	4	5.3	3	43	NE	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
21	3	1	219	0		-4	4	5.9	3	53	NE	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
22	3	1	220	0		-2	5	4.6	3	91	E	0	0	360	5	5	2.92	3	0.121758E-03	0.737330E-04	0.860344E-05	0.322999E-05	0.	0.0
22	3	1	221	0		-4	4	5.6	3	94	E	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
22	3	1	222	0		-4	4	6.7	3	56	NE	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0
22	3	1	223	0		-4	4	7.6	4	70	ENE	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
22	3	1	224	0		-4	4	7.7	4	67	ENE	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0
3	3	1	3	1	0	-4	4	7.1	3	56	NE	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
3	3	1	3	2	0	-4	4	8.2	4	71	ENE	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
3	3	1	3	3	0	-4	4	6.4	3	52	NE	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
3	3	1	3	4	0	-4	4	6.4	3	42	NE	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
3	3	1	3	5	0	-4	4	7.1	3	34	NE	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0
3	3	1	3	6	0	-3	4	6.1	3	28	NNE	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
3	3	1	3	7	0	-3	4	6.1	3	19	NNE	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 8

;	ODATE				TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
3	3	1	3	8	0	-3	4	5.9	3	19	NNE	0	0	360	4	4	1.68	3	0.829214E-04		0.445110E-04		0.371340E-05		0.166454E-05		0.		0.0
3	3	1	3	9	0	-3	4	5.9	3	21	NNE	0	0	360	4	4	1.68	3	0.829214E-04		0.445110E-04		0.371340E-05		0.166454E-05		0.		0.0
31	3	1	310	0		-3	4	6.2	3	30	NNE	0	0	360	4	4	1.63	3	0.814172E-04		0.423572E-04		0.356530E-05		0.158400E-05		0.		0.0
31	3	1	311	0		-3	4	6.4	3	35	NE	0	0	360	4	4	1.60	3	0.804687E-04		0.410336E-04		0.347326E-05		0.153450E-05		0.		0.0
31	3	1	312	0		-3	4	3.4	2	35	NE	0	0	360	4	4	2.00	3	0.120843E-03		0.772397E-04		0.610873E-05		0.288846E-05		0.		0.0
31	3	1	313	0		-3	4	7.6	4	32	NNE	0	0	360	4	4	1.43	1	0.724092E-04		0.345546E-04		0.301060E-05		0.129221E-05		0.		0.0
31	3	1	314	0		-3	4	8.1	4	48	NE	0	0	360	4	4	1.38	1	0.679395E-04		0.324216E-04		0.285354E-05		0.121244E-05		0.		0.0
31	3	1	315	0		-3	4	8.0	4	50	NE	0	0	360	4	4	1.39	1	0.687887E-04		0.328269E-04		0.288357E-05		0.122760E-05		0.		0.0
31	3	1	316	0		-3	4	8.3	4	44	NE	0	0	360	4	4	1.35	1	0.663024E-04		0.316403E-04		0.279539E-05		0.118323E-05		0.		0.0

L 31	3	1	317	0	-3	4	7.5	3	43	NE	0	0	360	4	4	1.44	1	0.733746E-04	0.350153E-04	0.304420E-05	0.130944E-05	0.	0.0
L 31	3	1	318	0	-3	4	7.7	4	7	N	0	0	360	4	4	1.42	1	0.714688E-04	0.341058E-04	0.297776E-05	0.127543E-05	0.	0.0
L 31	3	1	319	0	-3	4	6.6	3	6	N	0	0	360	4	4	1.56	3	0.795599E-04	0.397901E-04	0.338605E-05	0.148800E-05	0.	0.0
L 32	3	1	320	0	-3	4	5.7	3	7	N	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
L 32	3	1	321	0	-3	4	5.3	3	12	NNE	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
L 32	3	1	322	0	-2	5	4.2	3	17	NNE	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
L 32	3	1	323	0	-1	5	4.3	3	13	NNE	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
L 32	3	1	324	0	-1	5	2.1	2	19	NNE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
L 4	3	1	4	1	0	0	5	2.8	2	244	WSW	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
L 4	3	1	4	2	0	-1	5	1.7	2	253	WSW	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
L 4	3	1	4	3	0	-1	5	1.0	2	118	ESE	0	0	360	5	5	3.00	3	0.544721E-03	0.339172E-03	0.391144E-04	0.148579E-04	0.	0.0
L 4	3	1	4	4	0	0	5	1.3	2	55	NE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
L 4	3	1	4	5	0	1	5	2.1	2	301	WNW	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
L 4	3	1	4	6	0	0	5	3.8	3	3	N	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
L 4	3	1	4	7	0	0	5	2.6	2	344	NNW	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
L 4	3	1	4	8	0	0	5	1.9	2	316	NW	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
L 4	3	1	4	9	0	-1	5	3.9	3	307	NW	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
L 41	3	1	410	0	-2	5	3.2	2	295	WNW	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
L 41	3	1	411	0	-3	4	3.9	3	312	NW	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
L 41	3	1	412	0	-4	4	3.7	3	287	WNW	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
L 41	3	1	413	0	-4	4	4.0	3	284	WNW	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
L 41	3	1	414	0	-3	4	5.3	3	302	WNW	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
L 41	3	1	415	0	-3	4	5.0	3	294	WNW	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
L 41	3	1	416	0	-3	4	5.2	3	309	NW	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
L 41	3	1	417	0	-3	4	4.6	3	302	WNW	0	0	360	4	4	1.97	3	0.909002E-04	0.570902E-04	0.454079E-05	0.213495E-05	0.	0.0
L 41	3	1	418	0	-2	5	3.2	2	264	W	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
L 41	3	1	419	0	-3	4	3.5	2	285	WNW	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0
L 42	3	1	420	0	-3	4	4.2	3	278	W	0	0	360	4	4	2.00	3	0.978254E-04	0.625274E-04	0.494516E-05	0.233828E-05	0.	0.0
L 42	3	1	421	0	-3	4	5.3	3	290	WNW	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
L 42	3	1	422	0	-3	4	6.8	3	303	WNW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
L 42	3	1	423	0	-3	4	6.0	3	317	NW	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
L 42	3	1	424	0	-3	4	5.9	3	320	NW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
L 5	3	1	5	1	0	-2	5	3.1	2	186	S	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
L 5	3	1	5	2	0	-2	5	2.6	2	178	S	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
L 5	3	1	5	3	0	-3	4	4.0	3	271	W	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
L 5	3	1	5	4	0	-3	4	3.1	2	126	SE	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
L 5	3	1	5	5	0	-3	4	3.1	2	136	SE	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
L 5	3	1	5	6	0	-3	4	2.7	2	125	SE	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
L 5	3	1	5	7	0	-3	4	2.5	2	138	SE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
L 5	3	1	5	8	0	-1	5	2.0	2	202	SSW	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
L 5	3	1	5	9	0	-4	4	1.6	2	229	SW	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0
L 51	3	1	510	0	-6	4	1.8	2	197	SSW	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
L 51	3	1	511	0	-8	3	2.3	2	191	S	0	0	360	3	3	0.00	1	0.111282E-03	0.809357E-04	0.268591E-05	0.161443E-05	0.	0.0
L 51	3	1	512	0	-7	4	1.8	2	243	WSW	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
L 51	3	1	513	0	-7	4	1.4	2	249	WSW	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
L 51	3	1	514	0	-6	4	1.5	2	258	WSW	0	0	360	4	4	2.00	3	0.273911E-03	0.175077E-03	0.138464E-04	0.654718E-05	0.	0.0

3	0DATE			TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
L 51	3	1	515	0	-6	4	2.6	2	196	SSW	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
L 51	3	1	516	0	-5	4	3.3	2	211	SSW	0	0	360	4	4	2.00	3	0.124505E-03	0.795803E-04	0.629384E-05	0.297599E-05	0.	0.0
L 51	3	1	517	0	-4	4	2.7	2	181	S	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
L 51	3	1	518	0	-3	4	2.7	2	182	S	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
L 51	3	1	519	0	-3	4	3.3	2	192	SSW	0	0	360	4	4	2.00	3	0.124505E-03	0.795803E-04	0.629384E-05	0.297599E-05	0.	0.0
L 52	3	1	520	0	-1	5	2.2	2	172	S	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
L 52	3	1	521	0	0	5	1.2	2	134	SE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
L 52	3	1	522	0	0	5	1.6	2	132	SE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
L 52	3	1	523	0	-1	5	1.2	2	73	ENE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
L 52	3	1	524	0	-2	5	1.1	2	131	SE	0	0	360	5	5	3.00	3	0.495201E-03	0.308338E-03	0.355585E-04	0.135072E-04	0.	0.0
L 6	3	1	6	1	0	-3	4	1.3	2	42	NE	0	0	360	4	4	2.00	3	0.316051E-03	0.202011E-03	0.159767E-04	0.755444E-05	0.	0.0
L 6	3	1	6	2	0	-3	4	1.6	2	94	E	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0
L 6	3	1	6	3	0	-3	4	1.1	2	134	SE	0	0	360	4	4	2.00	3	0.373515E-03	0.238741E-03	0.188815E-04	0.892798E-05	0.	0.0

1 6	3 1 6 4 0	-3 4	0.9 2	217	SW	0	0	360	4	4	2.00	3	0.456518E-03	0.291794E-03	0.230774E-04	0.109120E-04	0.	0.0
1 6	3 1 6 5 0	-3 4	1.3 2	195	SSW	0	0	360	4	4	2.00	3	0.316051E-03	0.202011E-03	0.159767E-04	0.755444E-05	0.	0.0
1 6	3 1 6 6 0	-3 4	2.0 2	187	S	0	0	360	4	4	2.00	3	0.205433E-03	0.131307E-03	0.103848E-04	0.491039E-05	0.	0.0
1 6	3 1 6 7 0	-1 5	1.0 2	202	SSW	0	0	360	5	5	3.00	3	0.544721E-03	0.339172E-03	0.391144E-04	0.148579E-04	0.	0.0
1 6	3 1 6 8 0	-3 4	0.8 2	317	NW	0	0	360	4	4	2.00	3	0.513583E-03	0.328269E-03	0.259621E-04	0.122760E 04	0.	0.0
1 6	3 1 6 9 0	-4 4	0.8 2	91	E	0	0	360	4	4	2.00	3	0.513583E-03	0.328269E-03	0.259621E-04	0.122760E-04	0.	0.0
1 61	3 1 610 0	-6 4	1.0 2	153	SSE	0	0	360	4	4	2.00	3	0.410867E-03	0.262615E-03	0.207697E-04	0.982078E-05	0.	0.0
1 61	3 1 611 0	-8 3	1.7 2	142	SE	0	0	360	3	3	0.00	1	0.150557E-03	0.109501E-03	0.363388E-05	0.218423E-05	0.	0.0
1 61	3 1 612 0	-8 3	2.4 2	185	S	0	0	360	3	3	0.00	1	0.106645E-03	0.775634E-04	0.257400E-05	0.154716E-05	0.	0.0
1 61	3 1 613 0	-8 3	2.4 2	182	S	0	0	360	3	3	0.00	1	0.106645E-03	0.775634E-04	0.257400E-05	0.154716E-05	0.	0.0
1 61	3 1 614 0	-8 3	2.5 2	186	S	0	0	360	3	3	0.00	1	0.102379E-03	0.744609E-04	0.247104E-05	0.148528E-05	0.	0.0
1 61	3 1 615 0	-6 4	2.8 2	158	SSE	0	0	360	4	4	2.00	3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0
1 61	3 1 616 0	-6 4	2.2 2	99	E	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0
1 61	3 1 617 0	-3 4	6.0 3	8	N	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
1 61	3 1 618 0	-3 4	3.4 2	19	NNE	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
1 61	3 1 619 0	-2 5	1.9 2	31	NNE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
1 62	3 1 620 0	-1 5	2.7 2	270	W	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1 62	3 1 621 0	0 5	4.8 3	242	WSW	0	0	360	5	5	2.80	3	0.121758E-03	0.706608E-04	0.839120E-05	0.309540E-05	0.	0.0
1 62	3 1 622 0	0 5	4.3 3	262	W	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
1 62	3 1 623 0	-1 5	4.4 3	316	NW	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
1 62	3 1 624 0	-2 5	6.8 3	350	N	0	0	360	5	5	1.97	1	0.121325E-03	0.498782E-04	0.673075E-05	0.218499E-05	0.	0.0
1 7	3 1 7 1 0	-2 5	6.5 3	351	N	0	0	360	5	5	2.06	3	0.121758E-03	0.521803E-04	0.693665E-05	0.228584E-05	0.	0.0
1 7	3 1 7 2 0	-2 5	5.7 3	351	N	0	0	360	5	5	2.35	3	0.121758E-03	0.595039E-04	0.755275E-05	0.260666E-05	0.	0.0
1 7	3 1 7 3 0	-3 4	5.1 3	5	N	0	0	360	4	4	1.84	3	0.875033E-04	0.514931E-04	0.418013E-05	0.192564E-05	0.	0.0
1 7	3 1 7 4 0	-3 4	5.7 3	346	NNW	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
1 7	3 1 7 5 0	-3 4	8.2 4	328	NNW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
1 7	3 1 7 6 0	-3 4	8.3 4	318	NW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
1 7	3 1 7 7 0	-4 4	6.8 3	312	NW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
1 7	3 1 7 8 0	-4 4	5.9 3	290	WNW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
1 7	3 1 7 9 0	-4 4	6.4 3	278	W	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
1 71	3 1 710 0	-4 4	6.8 3	321	NW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
1 71	3 1 711 0	-5 4	8.1 4	324	NW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
1 71	3 1 712 0	-7 4	6.1 3	326	NW	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
1 71	3 1 713 0	-10 1	8.4 4	295	WNW	0	0	360	1	1	0.00	1	0.485696E-05	0.672272E-05	0.100376E-06	0.111960E-06	0.	0.0
1 71	3 1 714 0	-13 1	9.4 4	244	WSW	0	0	360	1	1	0.00	1	0.434026E-05	0.600754E-05	0.896977E-07	0.100049E-06	0.	0.0
1 71	3 1 715 0	-12 1	8.5 4	223	SW	0	0	360	1	1	0.00	1	0.479982E-05	0.664363E-05	0.991950E-07	0.110643E-06	0.	0.0
1 71	3 1 716 0	-12 1	7.1 3	207	SSW	0	0	360	1	1	0.00	1	0.574626E-05	0.795364E-05	0.118755E-06	0.132459E-06	0.	0.0
1 71	3 1 717 0	-4 4	5.7 3	193	SSW	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
1 71	3 1 718 0	0 5	5.5 3	199	SSW	0	0	360	5	5	2.44	3	0.121758E-03	0.616676E-04	0.772426E-05	0.270144E-05	0.	0.0
1 71	3 1 719 0	-2 5	5.3 3	206	SSW	0	0	360	5	5	2.53	3	0.121758E-03	0.639947E-04	0.790374E-05	0.280339E-05	0.	0.0
1 72	3 1 720 0	-3 4	5.8 3	214	SW	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
1 72	3 1 721 0	-4 4	5.1 3	205	SSW	0	0	360	4	4	1.84	3	0.875033E-04	0.514931E-04	0.418013E-05	0.192564E-05	0.	0.0

YE 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 10

E	ODATE	TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
1 72	3 1 722 0	-3	4	4.1	3	199	SSW	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0						
1 72	3 1 723 0	-1	5	4.7	3	200	SSW	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0						
1 72	3 1 724 0	0	5	2.9	2	178	S	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0						
1 8	3 1 8 1 0	-1	5	1.4	2	174	S	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0						
1 8	3 1 8 2 0	-1	5	1.0	2	75	ENE	0	0	360	5	5	3.00	3	0.544721E-03	0.339172E-03	0.391144E-04	0.148579E-04	0.	0.0						
1 8	3 1 8 3 0	2	5	1.2	2	72	ENE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0						
1 8	3 1 8 4 0	6	5	1.3	2	126	SE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0						
1 8	3 1 8 5 0	1	5	2.9	2	182	S	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0						
1 8	3 1 8 6 0	1	5	2.6	2	134	SE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0						
1 8	3 1 8 7 0	7	5	2.8	2	136	SE	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0						
1 8	3 1 8 8 0	6	5	2.6	2	202	SSW	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0						
1 8	3 1 8 9 0	-2	5	8.1	4	238	WSW	0	0	360	5	5	1.66	1	0.101853E-03	0.418731E-04	0.596370E-05	0.183431E-05	0.	0.0						
1 81	3 1 810 0	-3	4	8.4	4	234	SW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0						
1 81	3 1 811 0	-3	4	10.8	4	237	WSW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0						
1 81	3 1 812 0	-4	4	9.8	4	241	WSW	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0						
1 81	3 1 813 0	-3	4	7.9	4	250	WSW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0						
1 81	3 1 814 0	-4	4	7.6	4	246	WSW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0						

1 81	3	1	815	0	-3	4	6.4	3	238	WSW	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
1 81	3	1	816	0	-3	4	6.5	3	248	WSW	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
1 81	3	1	817	0	-1	5	6.3	3	247	WSW	0	0	360	5	5	2.13	3	0.121758E-03	0.538368E-04	0.708105E-05	0.235840E-05	0.	0.0
1 81	3	1	818	0	0	5	4.3	3	228	SW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
1 81	3	1	819	0	0	5	3.5	2	197	SSW	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
1 82	3	1	820	0	1	5	3.1	2	198	SSW	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
1 82	3	1	821	0	2	5	3.7	3	198	SSW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
1 82	3	1	822	0	3	5	3.6	3	208	SSW	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
1 82	3	1	823	0	4	5	3.0	2	184	S	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1 82	3	1	824	0	3	5	5.0	3	211	SSW	0	0	360	5	5	2.68	3	0.121758E-03	0.678344E-04	0.818918E-05	0.297159E-05	0.	0.0
1 9	3	1	9	1	0	5	3.9	3	199	SSW	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
1 9	3	1	9	2	0	4	5	3.9	3	202	SSW	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
1 9	3	1	9	3	0	3	5	7.4	3	222	SW	0	0	360	5	5	1.81	1	0.111488E-03	0.458340E-04	0.635358E-05	0.200783E-05	0.	0.0
1 9	3	1	9	4	0	4	5	6.0	3	226	SW	0	0	360	5	5	2.24	3	0.121758E-03	0.565287E-04	0.730930E-05	0.247632E-05	0.	0.0
1 9	3	1	9	5	0	0	5	13.8	5	257	WSW	0	0	360	5	5	0.00	1	0.597835E-04	0.245777E-04	0.382961E-05	0.107666E-05	0.	0.0
1 9	3	1	9	6	0	0	5	12.2	4	256	WSW	0	0	360	5	5	1.10	1	0.676240E-04	0.278010E-04	0.433185E-05	0.121786E-05	0.	0.0
1 9	3	1	9	7	0	-1	5	12.8	5	255	WSW	0	0	360	5	5	1.05	1	0.644541E-04	0.264978E-04	0.412880E-05	0.116078E-05	0.	0.0
1 9	3	1	9	8	0	-1	5	11.4	4	261	W	0	0	360	5	5	1.18	1	0.723695E-04	0.297519E-04	0.462556E-05	0.130333E-05	0.	0.0
1 9	3	1	9	9	0	-2	5	9.9	4	274	W	0	0	360	5	5	1.36	1	0.833346E-04	0.342598E-04	0.515091E-05	0.150080E-05	0.	0.0
1 91	3	1	910	0	-3	4	9.1	4	280	W	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0
1 91	3	1	911	0	-3	4	10.3	4	262	W	0	0	360	4	4	1.18	1	0.534281E-04	0.254966E-04	0.232530E-05	0.953473E-06	0.	0.0
1 91	3	1	912	0	-4	4	10.1	4	269	W	0	0	360	4	4	1.20	1	0.544861E-04	0.260015E-04	0.236484E-05	0.972354E-06	0.	0.0
1 91	3	1	913	0	-3	4	10.8	4	241	WSW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
1 91	3	1	914	0	-4	4	7.8	4	228	SW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
1 91	3	1	915	0	-2	5	7.3	3	230	SW	0	0	360	5	5	1.84	1	0.113015E-03	0.464619E-04	0.641348E-05	0.203533E-05	0.	0.0
1 91	3	1	916	0	-1	5	4.4	3	203	SSW	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
1 91	3	1	917	0	-1	5	2.7	2	181	S	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
1 91	3	1	918	0	9	6	2.1	2	55	NE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
1 91	3	1	919	0	25	7	1.9	2	74	ENE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
1 92	3	1	920	0	24	7	2.1	2	67	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
1 92	3	1	921	0	25	7	1.6	2	78	ENE	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0
1 92	3	1	922	0	23	6	2.0	2	87	E	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
1 92	3	1	923	0	27	7	1.9	2	177	S	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
1 92	3	1	924	0	15	6	5.5	3	222	SW	0	0	360	6	6	3.08	3	0.212836E-03	0.966259E-04	0.188889E-04	0.432497E-05	0.	0.0
110	3	110	1	0	0	5	10.2	4	246	WSW	0	0	360	5	5	1.32	1	0.808836E-04	0.332522E-04	0.503650E-05	0.145666E-05	0.	0.0
110	3	110	2	0	-1	5	8.8	4	267	W	0	0	360	5	5	1.53	1	0.937514E-04	0.385423E-04	0.561890E-05	0.168840E-05	0.	0.0
110	3	110	3	0	-2	5	11.2	4	240	WSW	0	0	360	5	5	1.20	1	0.736619E-04	0.302832E-04	0.468933E-05	0.132660E-05	0.	0.0
110	3	110	4	0	-2	5	8.1	4	230	SW	0	0	360	5	5	1.66	1	0.101853E-03	0.418731E-04	0.596370E-05	0.183431E-05	0.	0.0

YEA 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 11

E	ODATE				TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
110	3	110	5	0	-1	5	6.1	3	222	SW	0	0	360	5	5	2.20	3	0.121758E-03	0.556020E-04	0.723160E-05	0.243573E-05	0.	0.0
110	3	110	6	0	-1	5	6.1	3	220	SW	0	0	360	5	5	2.20	3	0.121758E-03	0.556020E-04	0.723160E-05	0.243573E-05	0.	0.0
110	3	110	7	0	0	5	6.1	3	233	SW	0	0	360	5	5	2.20	3	0.121758E-03	0.556020E-04	0.723160E-05	0.243573E-05	0.	0.0
110	3	110	8	0	0	5	8.4	4	347	NNW	0	0	360	5	5	1.60	1	0.982158E-04	0.403776E-04	0.581088E-05	0.176880E-05	0.	0.0
110	3	110	9	0	0	5	6.2	3	360	N	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0
1101	3	11010		0	-3	4	9.6	4	356	N	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
1101	3	11011		0	-4	4	8.0	4	352	N	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
1101	3	11012		0	-5	4	8.7	4	347	NNW	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0
1101	3	11013		0	-6	4	6.0	3	305	NW	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
1101	3	11014		0	-6	4	9.6	4	260	W	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
1101	3	11015		0	-6	4	9.9	4	244	WSW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
1101	3	11016		0	-6	4	9.8	4	231	SW	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0
1101	3	11017		0	-4	4	11.2	4	250	WSW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
1101	3	11018		0	-3	4	12.2	4	247	WSW	0	0	360	4	4	1.06	1	0.451074E-04	0.215258E-04	0.200251E-05	0.804982E-06	0.	0.0
1101	3	11019		0	-3	4	9.6	4	239	WSW	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
1102	3	11020		0	-1	5	6.2	3	211	SSW	0	0	360	5	5	2.16	3	0.121758E-03	0.547052E-04	0.715554E-05	0.239644E-05	0.	0.0
1102	3	11021		0	-3	4	10.8	4	234	SW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
1102	3	11022		0	-4	4	12.3	4	238	WSW	0	0	360	4	4	1.06	1	0.447406E-04	0.213508E-04	0.198623E-05	0.798437E-06	0.	0.0
1102	3	11023		0	-3	4	11.1	4	248	WSW	0	0	360	4	4	1.13	1	0.495775E-04	0.236590E-04	0.217994E-05	0.884755E-06	0.	0.0
1102	3	11024		0	-4	4	9.9	4	277	W	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
111	3	111	1	0	-3	4	9.6	4	293	WNW	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0

111	3	111	2	0	-4	4	13.4	5	308	NW	0	0	360	4	4	1.00	1	0.410679E-04	0.195981E-04	0.182318E-05	0.732894E-06	0.	0.0
111	3	111	3	0	-4	4	9.7	4	297	WNW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
111	3	111	4	0	-3	4	9.8	4	280	W	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0
111	3	111	5	0	-4	4	9.1	4	256	WSW	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0
111	3	111	6	0	-3	4	8.8	4	233	SW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0
111	3	111	7	0	-4	4	7.6	4	220	SW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
111	3	111	8	0	-4	4	9.2	4	223	SW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
111	3	111	9	0	-6	4	8.3	4	226	SW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
1111	3	11110	0		-6	4	11.3	4	235	SW	0	0	360	4	4	1.11	1	0.487000E-04	0.232403E-04	0.214649E-05	0.869095E-06	0.	0.0
1111	3	11111	0		-6	4	12.7	5	244	WSW	0	0	360	4	4	1.04	1	0.433315E-04	0.206783E-04	0.192367E-05	0.773289E-06	0.	0.0
1111	3	11112	0		-6	4	14.1	5	246	WSW	0	0	360	4	4	0.00	1	0.390291E-04	0.186252E-04	0.173267E-05	0.696509E-06	0.	0.0
1111	3	11113	0		-6	4	13.6	5	255	WSW	0	0	360	4	4	0.00	1	0.404640E-04	0.193099E-04	0.179637E-05	0.722116E-06	0.	0.0
1111	3	11114	0		-7	4	12.3	4	242	WSW	0	0	360	4	4	1.06	1	0.447406E-04	0.213508E-04	0.198623E-05	0.798437E-06	0.	0.0
1111	3	11115	0		-7	4	13.3	5	246	WSW	0	0	360	4	4	1.01	1	0.413767E-04	0.197455E-04	0.183689E-05	0.738404E-06	0.	0.0
1111	3	11116	0		-6	4	12.4	4	235	SW	0	0	360	4	4	1.05	1	0.443798E-04	0.211786E-04	0.197021E-05	0.791998E-06	0.	0.0
1111	3	11117	0		-5	4	11.6	4	236	SW	0	0	360	4	4	1.10	1	0.474405E-04	0.226392E-04	0.209824E-05	0.846619E-06	0.	0.0
1111	3	11118	0		-3	4	9.9	4	228	SW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
1111	3	11119	0		-3	4	8.6	4	227	SW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
1112	3	11120	0		-3	4	9.7	4	227	SW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
1112	3	11121	0		-3	4	9.1	4	231	SW	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0
1112	3	11122	0		-3	4	9.2	4	236	SW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
1112	3	11123	0		-3	4	8.1	4	240	WSW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
1112	3	11124	0		-4	4	9.9	4	233	SW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
112	3	112	1	0	-4	4	9.7	4	242	WSW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
112	3	112	2	0	-4	4	9.7	4	232	SW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
112	3	112	3	0	-4	4	8.8	4	230	SW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0
112	3	112	4	0	-4	4	9.6	4	235	SW	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
112	3	112	5	0	-3	4	9.4	4	231	SW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
112	3	112	6	0	-3	4	6.8	3	219	SW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0
112	3	112	7	0	-4	4	7.3	3	224	SW	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0
112	3	112	8	0	-5	4	7.6	4	222	SW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
112	3	112	9	0	-6	4	6.9	3	224	SW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
1121	3	11210	0		-7	4	9.7	4	229	SW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
1121	3	11211	0		-8	3	10.2	4	236	SW	0	0	360	3	3	0.00	1	0.250929E-04	0.182502E-04	0.605647E-06	0.364039E-06	0.	0.0

E	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE 8	XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	H2	TER	
1121	3	11212	0	-9	2	11.2	4	241	WSW	0	0	360	2	2	0.00	1	0.109601E-04	0.111338E-04	0.100964E-06	0.839698E-07	0.	0.0
1121	3	11213	0	-9	2	9.6	4	253	WSW	0	0	360	2	2	0.00	1	0.127868E-04	0.129895E-04	0.117792E-06	0.979648E-07	0.	0.0
1121	3	11214	0	-7	4	8.2	4	276	W	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
1121	3	11215	0	-7	4	8.8	4	252	WSW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0
1121	3	11216	0	-6	4	9.7	4	245	WSW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
1121	3	11217	0	-4	4	8.0	4	236	SW	0	0	360	4	4	1.39	1	0.687887E-04	0.328269E-04	0.288357E-05	0.122760E-05	0.	0.0
1121	3	11218	0	-1	5	5.8	3	223	SW	0	0	360	5	5	2.31	3	0.121758E-03	0.584779E-04	0.746982E-05	0.256171E-05	0.	0.0
1121	3	11219	0	0	5	6.0	3	223	SW	0	0	360	5	5	2.24	3	0.121758E-03	0.565287E-04	0.730930E-05	0.247632E-05	0.	0.0
1121	3	11220	0	0	5	5.1	3	221	SW	0	0	360	5	5	2.63	3	0.121758E-03	0.665043E-04	0.809177E-05	0.291332E-05	0.	0.0
1121	3	11221	0	0	5	6.1	3	218	SW	0	0	360	5	5	2.20	3	0.121758E-03	0.556020E-04	0.723160E-05	0.243573E-05	0.	0.0
1121	3	11222	0	0	5	5.1	3	213	SSW	0	0	360	5	5	2.63	3	0.121758E-03	0.665043E-04	0.809177E-05	0.291332E-05	0.	0.0
1121	3	11223	0	0	5	6.9	3	224	SW	0	0	360	5	5	1.95	1	0.119567E-03	0.491554E-04	0.666481E-05	0.215333E-05	0.	0.0
1121	3	11224	0	3	5	5.8	3	223	SW	0	0	360	5	5	2.31	3	0.121758E-03	0.584779E-04	0.746982E-05	0.256171E-05	0.	0.0
113	3	113	1	0	4	5	4.3	3	208	SSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
113	3	113	2	0	7	5	4.4	3	205	SSW	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
113	3	113	3	0	10	6	2.8	2	191	S	0	0	360	6	6	4.00	3	0.322165E-03	0.189801E-03	0.328155E-04	0.849547E-05	0.	0.0
113	3	113	4	0	18	6	2.1	2	186	S	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
113	3	113	5	0	18	6	1.8	2	131	SE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
113	3	113	6	0	28	7	1.4	2	127	SE	0	0	360	7	7	6.00	3	0.101066E-02	0.588933E-03	0.118301E-03	0.210727E-04	0.	0.0
113	3	113	7	0	26	7	1.7	2	92	E	0	0	360	7	7	6.00	3	0.832304E-03	0.485004E-03	0.974245E-04	0.173540E-04	0.	0.0
113	3	113	8	0	21	6	1.5	2	8	N	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
113	3	113	9	0	12	6	2.5	2	140	SE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
1131	3	11310	0	13	6	2.5	2	156	SSE	0	0	360	6	6	4.00	3	0.360824E-03	0.212577E-03	0.367533E-04	0.951493E-05	0.	0.0
1131	3	11311	0	-7	4	8.8	4	224	SW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0
1131	3	11312	0	-6	4	13.2	5	234	SW	0	0	360	4	4	1.01	1	0.416901E-04	0.198951E-04	0.185080E-05	0.743998E-06	0.	0.0

1131	3	11313	0	-6	4	13.4	5	230	SW	0	0	360	4	4	1.00	1	0.410679E-04	0.195981E-04	0.182318E-05	0.732894E-06	0.	0.0
1131	3	11314	0	-7	4	11.9	4	232	SW	0	0	360	4	4	1.08	1	0.462445E-04	0.220685E-04	0.205218E-05	0.825275E-06	0.	0.0
1131	3	11315	0	-6	4	15.2	5	248	WSW	0	0	360	4	4	0.00	1	0.362046E-04	0.172773E-04	0.160728E-05	0.646104E-06	0.	0.0
1131	3	11316	0	-6	4	13.3	5	246	WSW	0	0	360	4	4	1.01	1	0.413767E-04	0.197455E-04	0.183689E-05	0.738404E-06	0.	0.0
1131	3	11317	0	-4	4	14.5	5	248	WSW	0	0	360	4	4	0.00	1	0.379524E-04	0.181114E-04	0.168487E-05	0.677295E-06	0.	0.0
1131	3	11318	0	-3	4	13.4	5	300	WNW	0	0	360	4	4	1.00	1	0.410679E-04	0.195981E-04	0.182318E-05	0.732894E-06	0.	0.0
1131	3	11319	0	-4	4	12.4	4	321	NW	0	0	360	4	4	1.05	1	0.443798E-04	0.211786E-04	0.197021E-05	0.791998E-06	0.	0.0
1132	3	11320	0	-4	4	12.2	4	331	NNW	0	0	360	4	4	1.06	1	0.451074E-04	0.215258E-04	0.200251E-05	0.804982E-06	0.	0.0
1132	3	11321	0	-4	4	11.6	4	335	NNW	0	0	360	4	4	1.10	1	0.474405E-04	0.226392E-04	0.209824E-05	0.846619E-06	0.	0.0
1132	3	11322	0	-4	4	9.5	4	330	NNW	0	0	360	4	4	1.24	1	0.579274E-04	0.276437E-04	0.249227E-05	0.103377E-05	0.	0.0
1132	3	11323	0	-4	4	9.9	4	323	NW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
1132	3	11324	0	-3	4	8.1	4	319	NW	0	0	360	4	4	1.38	1	0.679395E-04	0.324216E-04	0.285354E-05	0.121244E-05	0.	0.0
114	3	114	1	0	-2	5	2.4	2	134	SE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
114	3	114	2	0	-2	5	3.8	3	244	WSW	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
114	3	114	3	0	-2	5	2.5	2	162	SSE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
114	3	114	4	0	0	5	2.8	2	263	W	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
114	3	114	5	0	-3	4	3.3	2	272	W	0	0	360	4	4	2.00	3	0.124505E-03	0.795803E-04	0.629384E-05	0.297599E-05	0.	0.0
114	3	114	6	0	-2	5	3.1	2	137	SE	0	0	360	5	5	3.00	3	0.175716E-03	0.109410E-03	0.126175E-04	0.479289E-05	0.	0.0
114	3	114	7	0	0	5	3.8	3	152	SSE	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
114	3	114	8	0	-3	4	2.4	2	125	SE	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0
114	3	114	9	0	-7	4	3.8	3	139	SE	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
1141	3	11410	0	-7	4	3.4	2	182	S	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
1141	3	11411	0	-7	4	3.4	2	153	SSE	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
1141	3	11412	0	-9	2	5.7	3	264	W	0	0	360	2	2	0.00	1	0.215356E-04	0.218770E-04	0.198386E-06	0.164993E-06	0.	0.0
1141	3	11413	0	-9	2	6.8	3	281	W	0	0	360	2	2	0.00	1	0.180519E-04	0.183381E-04	0.166294E-06	0.138303E-06	0.	0.0
1141	3	11414	0	-7	4	8.8	4	322	NW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0
1141	3	11415	0	-7	4	5.9	3	283	WNW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
1141	3	11416	0	-6	4	5.5	3	275	W	0	0	360	4	4	1.76	3	0.850982E-04	0.477482E-04	0.393225E-05	0.178560E-05	0.	0.0
1141	3	11417	0	-5	4	5.1	3	314	NW	0	0	360	4	4	1.84	3	0.875033E-04	0.514931E-04	0.418013E-05	0.192564E-05	0.	0.0
1141	3	11418	0	-4	4	3.1	2	319	NW	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0

YEA IPPL YEAR 2003 DT 60-10A 8-NOV-04*** PAGE 13

R	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IHZ	XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
1141	3	11419	0	-4	4	2.3	2	348	NNW	0	0	360	4	4	2.00	3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0		
1142	3	11420	0	-4	4	2.8	2	129	SE	0	0	360	4	4	2.00	3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0		
1142	3	11421	0	-4	4	2.9	2	129	SE	0	0	360	4	4	2.00	3	0.141678E-03	0.905569E-04	0.716196E-05	0.338647E-05	0.	0.0		
1142	3	11422	0	-4	4	2.8	2	130	SE	0	0	360	4	4	2.00	3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0		
1142	3	11423	0	-3	4	3.9	3	311	NW	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0		
1142	3	11424	0	-4	4	5.4	3	325	NW	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0		
115	3	115	1	0	-4	4	4.8	3	316	NW	0	0	360	4	4	1.91	3	0.894834E-04	0.547114E-04	0.438889E-05	0.204599E-05	0.	0.0		
115	3	115	2	0	-4	4	4.6	3	344	NNW	0	0	360	4	4	1.97	3	0.909002E-04	0.570902E-04	0.454079E-05	0.213495E-05	0.	0.0		
115	3	115	3	0	-3	4	3.8	3	326	NW	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0		
115	3	115	4	0	-3	4	2.8	2	151	SSE	0	0	360	4	4	2.00	3	0.146738E-03	0.937910E-04	0.741774E-05	0.350742E-05	0.	0.0		
115	3	115	5	0	-4	4	2.5	2	143	SE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0		
115	3	115	6	0	-4	4	2.0	2	104	ESE	0	0	360	4	4	2.00	3	0.205433E-03	0.131307E-03	0.103848E-04	0.491039E-05	0.	0.0		
115	3	115	7	0	-2	5	2.0	2	85	E	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0		
115	3	115	8	0	-3	4	3.2	2	197	SSW	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0		
115	3	115	9	0	-4	4	7.1	3	224	SW	0	0	360	4	4	1.49	3	0.774441E-04	0.369880E-04	0.318682E-05	0.138321E-05	0.	0.0		
1151	3	11510	0	-7	4	9.9	4	229	SW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0		
1151	3	11511	0	-9	2	10.6	4	228	SW	0	0	360	2	2	0.00	1	0.115805E-04	0.117641E-04	0.106679E-06	0.887228E-07	0.	0.0		
1151	3	11512	0	-7	4	9.9	4	263	W	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0		
1151	3	11513	0	-7	4	10.9	4	271	W	0	0	360	4	4	1.14	1	0.504871E-04	0.240931E-04	0.221449E-05	0.900989E-06	0.	0.0		
1151	3	11514	0	-6	4	9.8	4	279	W	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0		
1151	3	11515	0	-6	4	11.3	4	279	W	0	0	360	4	4	1.11	1	0.487000E-04	0.232403E-04	0.214649E-05	0.869095E-06	0.	0.0		
1151	3	11516	0	-6	4	9.3	4	283	WNW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0		
1151	3	11517	0	-6	4	10.4	4	250	WSW	0	0	360	4	4	1.17	1	0.529144E-04	0.252514E-04	0.230604E-05	0.944305E-06	0.	0.0		
1151	3	11518	0	-4	4	7.9	4	249	WSW	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0		
1151	3	11519	0	-4	4	11.4	4	255	WSW	0	0	360	4	4	1.11	1	0.482728E-04	0.230364E-04	0.213015E-05	0.861472E-06	0.	0.0		
1152	3	11520	0	-4	4	11.0	4	250	WSW	0	0	360	4	4	1.13	1	0.500282E-04	0.238741E-04	0.219708E-05	0.892798E-06	0.	0.0		
1152	3	11521	0	-4	4	9.9	4	244	WSW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0		
1152	3	11522	0	-3	4	8.8	4	230	SW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0		
1152	3	11523	0	-3	4	9.1	4	231	SW	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0		

115	3	11524	0	-3	4	6.9	3	218	SW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
116	3	116 1	0	-3	4	8.6	4	227	SW	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
116	3	116 2	0	-3	4	4.7	3	221	SW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
116	3	116 3	0	-3	4	4.5	3	233	SW	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
116	3	116 4	0	-1	5	4.0	3	228	SW	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
116	3	116 5	0	-2	5	2.4	2	138	SE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
116	3	116 6	0	-2	5	1.9	2	149	SSE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
116	3	116 7	0	0	5	3.3	2	199	SSW	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0
116	3	116 8	0	0	5	2.2	2	121	ESE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
116	3	116 9	0	-7	4	5.8	3	226	SW	0	0	360	4	4	1.70	3	0.834463E-04	0.452784E-04	0.376568E-05	0.169324E-05	0.	0.0
116	3	11610	0	-10	1	7.8	4	233	SW	0	0	360	1	1	0.00	1	0.523057E-05	0.723985E-05	0.108097E-06	0.120572E-06	0.	0.0
116	3	11611	0	-12	1	7.3	3	231	SW	0	0	360	1	1	0.00	1	0.558883E-05	0.773573E-05	0.115501E-06	0.128830E-06	0.	0.0
116	3	11612	0	-12	1	8.4	4	220	SW	0	0	360	1	1	0.00	1	0.485696E-05	0.672272E-05	0.100376E-06	0.111960E-06	0.	0.0
116	3	11613	0	-12	1	7.9	4	209	SSW	0	0	360	1	1	0.00	1	0.516436E-05	0.714821E-05	0.106729E-06	0.119046E-06	0.	0.0
116	3	11614	0	-11	1	8.3	4	213	SSW	0	0	360	1	1	0.00	1	0.491548E-05	0.680372E-05	0.101585E-06	0.113309E-06	0.	0.0
116	3	11615	0	-9	2	7.3	3	219	SW	0	0	360	2	2	0.00	1	0.168155E-04	0.170821E-04	0.154904E-06	0.128830E-06	0.	0.0
116	3	11616	0	-8	3	5.3	3	215	SW	0	0	360	3	3	0.00	1	0.482920E-04	0.351230E-04	0.116559E-05	0.700602E-06	0.	0.0
116	3	11617	0	-6	4	4.2	3	222	SW	0	0	360	4	4	2.00	3	0.978254E-04	0.625274E-04	0.494516E-05	0.233828E-05	0.	0.0
116	3	11618	0	-3	4	3.1	2	214	SW	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
116	3	11619	0	-1	5	2.7	2	185	S	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
116	3	11620	0	-3	4	4.7	3	181	S	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
116	3	11621	0	-5	4	6.2	3	200	SSW	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
116	3	11622	0	-6	4	5.4	3	196	SSW	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
116	3	11623	0	-6	4	3.4	2	194	SSW	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
116	3	11624	0	-4	4	2.0	2	200	SSW	0	0	360	4	4	2.00	3	0.205433E-03	0.131307E-03	0.103848E-04	0.491039E-05	0.	0.0
117	3	117 1	0	-4	4	1.5	2	28	NNE	0	0	360	4	4	2.00	3	0.273911E-03	0.175077E-03	0.138464E-04	0.654718E-05	0.	0.0

, YE/ 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 14

E	0DATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
117	3	117 2	0	-4	4	1.6	2	58	ENE	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0
117	3	117 3	0	-3	4	1.9	2	15	NNE	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
117	3	117 4	0	0	5	1.4	2	66	ENE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
117	3	117 5	0	5	5	1.4	2	169	S	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0
117	3	117 6	0	7	5	1.6	2	129	SE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
117	3	117 7	0	12	6	1.6	2	69	ENE	0	0	360	6	6	4.00	3	0.563788E-03	0.332151E-03	0.574271E-04	0.148671E-04	0.	0.0
117	3	117 8	0	7	5	1.5	2	157	SSE	0	0	360	5	5	3.00	3	0.363147E-03	0.226115E-03	0.260762E-04	0.990530E-05	0.	0.0
117	3	117 9	0	0	5	4.7	3	221	SW	0	0	360	5	5	2.86	3	0.121758E-03	0.721643E-04	0.849599E-05	0.316126E-05	0.	0.0
117	3	11710	0	-7	4	5.6	3	201	SSW	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
117	3	11711	0	-12	1	4.3	3	173	S	0	0	360	1	1	0.00	1	0.948801E-05	0.131328E-04	0.196083E-06	0.218712E-06	0.	0.0
117	3	11712	0	-7	4	4.3	3	256	WSW	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0
117	3	11713	0	-8	3	7.4	3	314	NW	0	0	360	3	3	0.00	1	0.345875E-04	0.251557E-04	0.834811E-06	0.501783E-06	0.	0.0
117	3	11714	0	-6	4	10.2	4	347	NNW	0	0	360	4	4	1.19	1	0.539519E-04	0.257466E-04	0.234490E-05	0.962821E-06	0.	0.0
117	3	11715	0	-6	4	11.2	4	341	NNW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
117	3	11716	0	-6	4	10.7	4	338	NNW	0	0	360	4	4	1.15	1	0.514308E-04	0.245434E-04	0.225020E-05	0.917829E-06	0.	0.0
117	3	11717	0	-6	4	10.7	4	334	NNW	0	0	360	4	4	1.15	1	0.514308E-04	0.245434E-04	0.225020E-05	0.917829E-06	0.	0.0
117	3	11718	0	-4	4	11.6	4	358	N	0	0	360	4	4	1.10	1	0.474405E-04	0.226392E-04	0.209824E-05	0.846619E-06	0.	0.0
117	3	11719	0	-4	4	12.6	5	357	N	0	0	360	4	4	1.04	1	0.436754E-04	0.208424E-04	0.193894E-05	0.779427E-06	0.	0.0
117	3	11720	0	-4	4	10.7	4	360	N	0	0	360	4	4	1.15	1	0.514308E-04	0.245434E-04	0.225020E-05	0.917829E-06	0.	0.0
117	3	11721	0	-4	4	8.7	4	359	N	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0
117	3	11722	0	-4	4	9.0	4	353	N	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
117	3	11723	0	-4	4	7.5	3	360	N	0	0	360	4	4	1.44	1	0.733746E-04	0.350153E-04	0.304420E-05	0.130944E-05	0.	0.0
117	3	11724	0	-4	4	5.9	3	5	N	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
118	3	118 1	0	-3	4	5.7	3	350	N	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
118	3	118 2	0	-3	4	5.9	3	324	NW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
118	3	118 3	0	-3	4	3.6	3	297	WNW	0	0	360	4	4	2.00	3	0.114130E-03	0.729486E-04	0.576935E-05	0.272799E-05	0.	0.0
118	3	118 4	0	-2	5	2.5	2	164	SSE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
118	3	118 5	0	-3	4	2.3	2	19	NNE	0	0	360	4	4	2.00	3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0
118	3	118 6	0	4	5	2.4	2	104	ESE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
118	3	118 7	0	10	6	2.0	2	64	ENE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
118	3	118 8	0	9	6	2.2	2	81	E	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
118	3	118 9	0	-1	5	2.3	2	196	SSW	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
118	3	11810	0	-1	5	3.0	2	101	E	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0

1811	3	11811	0	-6	4	2.3	2	69	ENE	0	0	360	4	4	2.00	3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0
1812	3	11812	0	-12	1	4.4	3	153	SSE	0	0	360	1	1	0.00	1	0.927238E-05	0.128343E-04	0.191627E-06	0.213741E-06	0.	0.0
1813	3	11813	0	-15	1	5.3	3	188	S	0	0	360	1	1	0.00	1	0.769782E-05	0.106549E-04	0.159086E-06	0.177446E-06	0.	0.0
1814	3	11814	0	-17	1	5.9	3	188	S	0	0	360	1	1	0.00	1	0.691499E-05	0.957133E-05	0.142908E-06	0.159400E-06	0.	0.0
1815	3	11815	0	-15	1	4.9	3	223	SW	0	0	360	1	1	0.00	1	0.832622E-05	0.115247E-04	0.172073E-06	0.191931E-06	0.	0.0
1816	3	11816	0	-12	1	4.6	3	234	SW	0	0	360	1	1	0.00	1	0.886923E-05	0.122763E-04	0.183295E-06	0.204448E-06	0.	0.0
1817	3	11817	0	-7	4	1.9	2	178	S	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
1818	3	11818	0	0	5	2.1	2	149	SSE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
1819	3	11819	0	7	5	1.6	2	77	ENE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
1820	3	11820	0	14	6	1.8	2	113	ESE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1821	3	11821	0	26	7	2.0	2	116	ESE	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
1822	3	11822	0	23	6	1.8	2	57	ENE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
1823	3	11823	0	22	6	2.4	2	55	NE	0	0	360	6	6	4.00	3	0.375859E-03	0.221434E-03	0.382847E-04	0.991139E-05	0.	0.0
1824	3	11824	0	28	7	2.1	2	72	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
19	3	119	1	0	29	7	1.8	2	53	NE	0	0	360	7	7	6.00	3	0.786065E-03	0.458059E-03	0.920121E-04	0.163899E-04	0.	0.0
19	3	119	2	0	28	7	2.3	2	60	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
19	3	119	3	0	33	7	2.5	2	68	ENE	0	0	360	7	7	6.00	3	0.565967E-03	0.329803E-03	0.662487E-04	0.118007E-04	0.	0.0
19	3	119	4	0	26	7	2.4	2	74	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
19	3	119	5	0	16	6	3.4	2	66	ENE	0	0	360	6	6	4.00	3	0.265312E-03	0.156307E-03	0.270245E-04	0.699627E-05	0.	0.0
19	3	119	6	0	10	6	2.7	2	70	ENE	0	0	360	6	6	4.00	3	0.334097E-03	0.196831E-03	0.340309E-04	0.881012E-05	0.	0.0
19	3	119	7	0	3	5	1.9	2	74	ENE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
19	3	119	8	0	-4	4	1.2	2	97	E	0	0	360	4	4	2.00	3	0.342389E-03	0.218846E-03	0.173081E-04	0.818398E-05	0.	0.0

YEAI 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 15

	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LK	8	XQ(ELV)	GT	8	H2	TER	
19	3	119	9	0	-5	4	1.3	2	88	E	0	0	360	4	4	2.00	3	0.316051E-03		0.202011E-03		0.159767E-04		0.755444E-05		0.		0.0
191	3	11910	0		-5	4	2.2	2	138	SE	0	0	360	4	4	2.00	3	0.186758E-03		0.119370E-03		0.944076E-05		0.446399E-05		0.		0.0
191	3	11911	0		-14	1	7.6	4	221	SW	0	0	360	1	1	0.00	1	0.536822E-05		0.743038E-05		0.110942E-06		0.123745E-06		0.		0.0
191	3	11912	0		-12	1	10.0	4	232	SW	0	0	360	1	1	0.00	1	0.407985E-05		0.564709E-05		0.843158E-07		0.940462E-07		0.		0.0
191	3	11913	0		-9	2	13.1	5	247	WSW	0	0	360	2	2	0.00	1	0.937046E-05		0.951901E-05		0.863206E-07		0.717910E-07		0.		0.0
191	3	11914	0		-9	2	11.0	4	247	WSW	0	0	360	2	2	0.00	1	0.111594E-04		0.113363E-04		0.102800E-06		0.854965E-07		0.		0.0
191	3	11915	0		-7	4	10.5	4	266	W	0	0	360	4	4	1.17	1	0.524105E-04		0.250109E-04		0.228711E-05		0.935312E-06		0.		0.0
191	3	11916	0		-7	4	11.8	4	242	WSW	0	0	360	4	4	1.08	1	0.466364E-04		0.222555E-04		0.206730E-05		0.832269E-06		0.		0.0
191	3	11917	0		-6	4	12.7	5	234	SW	0	0	360	4	4	1.04	1	0.433315E-04		0.206783E-04		0.192367E-05		0.773289E-06		0.		0.0
191	3	11918	0		-2	5	8.2	4	217	SW	0	0	360	5	5	1.64	1	0.100611E-03		0.413624E-04		0.591187E-05		0.181194E-05		0.		0.0
191	3	11919	0		-2	5	8.4	4	214	SW	0	0	360	5	5	1.60	1	0.982158E-04		0.403776E-04		0.581088E-05		0.176880E-05		0.		0.0
192	3	11920	0		-1	5	6.1	3	195	SSW	0	0	360	5	5	2.20	3	0.121758E-03		0.556020E-04		0.723160E-05		0.243573E-05		0.		0.0
192	3	11921	0		0	5	4.5	3	188	S	0	0	360	5	5	2.98	3	0.121758E-03		0.753715E-04		0.871364E-05		0.330176E-05		0.		0.0
192	3	11922	0		1	5	4.5	3	188	S	0	0	360	5	5	2.98	3	0.121758E-03		0.753715E-04		0.871364E-05		0.330176E-05		0.		0.0
192	3	11923	0		-1	5	6.6	3	210	SSW	0	0	360	5	5	2.03	3	0.121758E-03		0.513897E-04		0.686663E-05		0.225120E-05		0.		0.0
192	3	11924	0		-2	5	8.4	4	212	SSW	0	0	360	5	5	1.60	1	0.982158E-04		0.403776E-04		0.581088E-05		0.176880E-05		0.		0.0
20	3	120	1	0	-3	4	8.4	4	209	SSW	0	0	360	4	4	1.34	1	0.655131E-04		0.312637E-04		0.276722E-05		0.116914E-05		0.		0.0
.20	3	120	2	0	-3	4	9.8	4	222	SW	0	0	360	4	4	1.22	1	0.561541E-04		0.267974E-04		0.242682E-05		0.100212E-05		0.		0.0
.20	3	120	3	0	-3	4	7.7	4	210	SSW	0	0	360	4	4	1.42	1	0.714688E-04		0.341058E-04		0.297776E-05		0.127543E-05		0.		0.0
.20	3	120	4	0	-4	4	8.3	4	215	SW	0	0	360	4	4	1.35	1	0.663024E-04		0.316403E-04		0.279539E-05		0.118323E-05		0.		0.0
.20	3	120	5	0	-3	4	8.1	4	221	SW	0	0	360	4	4	1.38	1	0.679395E-04		0.324216E-04		0.285354E-05		0.121244E-05		0.		0.0
.20	3	120	6	0	-2	5	6.9	3	223	SW	0	0	360	5	5	1.95	1	0.119567E-03		0.491554E-04		0.666481E-05		0.215333E-05		0.		0.0
.20	3	120	7	0	-2	5	7.8	4	231	SW	0	0	360	5	5	1.72	1	0.105771E-03		0.434836E-04		0.612477E-05		0.190486E-05		0.		0.0
.20	3	120	8	0	-3	4	10.8	4	264	W	0	0	360	4	4	1.15	1	0.509546E-04		0.243162E-04		0.223220E-05		0.909331E-06		0.		0.0
.20	3	120	9	0	-4	4	11.9	4	279	W	0	0	360	4	4	1.08	1	0.462445E-04		0.220685E-04		0.205218E-05		0.825275E-06		0.		0.0
.201	3	12010	0		-6	4	13.4	5	294	WNW	0	0	360	4	4	1.00	1	0.410679E-04		0.195981E-04		0.182318E-05		0.732894E-06		0.		0.0
.201	3	12011	0		-7	4	15.4	5	307	NW	0	0	360	4	4	0.00	1	0.357344E-04		0.170529E-04		0.158640E-05		0.637713E-06		0.		0.0
.201	3	12012	0		-7	4	13.8	5	302	WNW	0	0	360	4	4	0.00	1	0.398775E-04		0.190301E-04		0.177033E-05		0.711650E-06		0.		0.0
.201	3	12013	0		-8	3	12.6	5	272	W	0	0	360	3	3	0.00	1	0.203133E-04		0.147740E-04		0.490286E-06		0.294698E-06		0.		0.0
.201	3	12014	0		-8	3	14.2	5	269	W	0	0	360	3	3	0.00	1	0.180245E-04		0.131093E-04		0.435042E-06		0.261492E-06		0.		0.0
.201	3	12015	0		-7	4	14.5	5	263	W	0	0	360	4	4	0.00	1	0.379524E-04		0.181114E-04		0.168487E-05		0.677295E-06		0.		0.0
.201	3	12016	0		-6	4	14.0	5	271	W	0	0	360	4	4	0.00	1	0.393078E-04		0.187582E-04		0.174504E-05		0.701484E-06		0.		0.0
.201	3	12017	0		-4	4	14.1	5	276	W	0	0	360	4	4	0.00	1	0.390291E-04		0.186252E-04		0.173267E-05		0.696509E-06		0.		0.0
.201	3	12018	0		-4	4	11.9	4	303	WNW	0	0	360	4	4	1.08	1	0.462445E-04		0.220685E-04		0.205218E-05		0.825275E-06		0.		0.0
.201	3	12019	0		-4	4	12.7	5	314	NW	0	0	360	4	4	1.04	1	0.433315E-04		0.206783E-04		0.192367E-05		0.773289E-06		0.		0.0
.202	3	12020	0		-3	4	6.9	3	313	NW	0	0	360	4	4	1.52	3	0.782652E-04		0.380601E-04		0.326350E-05		0.142330E-05		0.		0.0
.202	3	12021	0		-3	4	5.3	3	275	W	0	0	360	4	4	1.80	3	0.862697E-04		0.495500E-04		0.405220E-05		0.185298E-05		0.		0.0

.202	3	12022	0	-3	4	4.7	3	314	NW	0	0	360	4	4	1.94	3	0.901815E-04	0.558755E-04	0.446348E-05	0.208953E-05	0.	0.0
.202	3	12023	0	-2	5	6.0	3	333	NNW	0	0	360	5	5	2.24	3	0.121758E-03	0.565287E-04	0.730930E-05	0.247632E-05	0.	0.0
.202	3	12024	0	-2	5	5.6	3	332	NNW	0	0	360	5	5	2.40	3	0.121758E-03	0.605664E-04	0.763754E-05	0.265320E-05	0.	0.0
.21	3	121	1	0	-2	5	4.8	3	320	NW	0	0	360	5	5	2.80	3	0.121758E-03	0.706608E-04	0.839120E-05	0.309540E-05	0.	0.0
.21	3	121	2	0	-3	4	1.9	2	358	N	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
.21	3	121	3	0	-1	5	2.5	2	187	S	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
.21	3	121	4	0	-1	5	2.8	2	166	SSE	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
.21	3	121	5	0	-2	5	3.4	2	131	SE	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
.21	3	121	6	0	6	5	2.6	2	108	ESE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
.21	3	121	7	0	1	5	2.8	2	117	ESE	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
.21	3	121	8	0	9	6	2.0	2	127	SE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
.21	3	121	9	0	6	5	2.4	2	110	ESE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
.211	3	12110	0	-9	2	3.5	2	104	ESE	0	0	360	2	2	0.00	1	0.350723E-04	0.356283E-04	0.323086E-06	0.268703E-06	0.	0.0
.211	3	12111	0	-7	4	6.0	3	317	NW	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
.211	3	12112	0	-11	1	9.5	4	280	W	0	0	360	1	1	0.00	1	0.429457E-05	0.594430E-05	0.887535E-07	0.989960E-07	0.	0.0
.211	3	12113	0	-14	1	12.4	4	243	WSW	0	0	360	1	1	0.00	1	0.329020E-05	0.455410E-05	0.679966E-07	0.758437E-07	0.	0.0
.211	3	12114	0	-13	1	10.2	4	242	WSW	0	0	360	1	1	0.00	1	0.399985E-05	0.553636E-05	0.826625E-07	0.922021E-07	0.	0.0
.211	3	12115	0	-12	1	8.9	4	259	W	0	0	360	1	1	0.00	1	0.458410E-05	0.634504E-05	0.947369E-07	0.105670E-06	0.	0.0

YEA 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 16

:	0DATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2 TER	
.211	3	12116	0	-9	2	7.7	4	290	WNW	0	0	360	2	2	0.00	1	0.159420E-04	0.161947E-04	0.146857E-06	0.122138E-06	0.	0.0
.211	3	12117	0	-6	4	9.5	4	309	NW	0	0	360	4	4	1.24	1	0.579274E-04	0.276437E-04	0.249227E-05	0.103377E-05	0.	0.0
.211	3	12118	0	-4	4	10.0	4	327	NNW	0	0	360	4	4	1.20	1	0.550310E-04	0.262615E-04	0.238513E-05	0.982078E-06	0.	0.0
.211	3	12119	0	-2	5	6.5	3	346	NNW	0	0	360	5	5	2.06	3	0.121758E-03	0.521803E-04	0.693665E-05	0.228584E-05	0.	0.0
.212	3	12120	0	-3	4	8.5	4	337	NNW	0	0	360	4	4	1.33	1	0.647423E-04	0.308959E-04	0.273964E-05	0.115539E-05	0.	0.0
.212	3	12121	0	-3	4	7.4	3	338	NNW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
.212	3	12122	0	-4	4	10.8	4	328	NNW	0	0	360	4	4	1.15	1	0.509546E-04	0.243162E-04	0.223220E-05	0.909331E-06	0.	0.0
.212	3	12123	0	-3	4	8.4	4	346	NNW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
.212	3	12124	0	-3	4	8.3	4	346	NNW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
.22	3	122	1	0	-3	4	7.8	4	347	NNW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
.22	3	122	2	0	-1	5	5.9	3	350	N	0	0	360	5	5	2.27	3	0.121758E-03	0.574868E-04	0.738868E-05	0.251830E-05	0.	0.0
22	3	122	3	0	-3	4	5.3	3	326	NW	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
.22	3	122	4	0	-4	4	3.5	2	316	NW	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0
.22	3	122	5	0	-1	5	3.3	2	216	SW	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0
.22	3	122	6	0	-3	4	7.8	4	232	SW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
.22	3	122	7	0	-4	4	9.5	4	240	WSW	0	0	360	4	4	1.24	1	0.579274E-04	0.276437E-04	0.249227E-05	0.103377E-05	0.	0.0
.22	3	122	8	0	-4	4	6.4	3	230	SW	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
.22	3	122	9	0	-9	2	8.1	4	230	SW	0	0	360	2	2	0.00	1	0.151547E-04	0.153949E-04	0.139605E-06	0.116106E-06	0.	0.0
.221	3	12210	0	-11	1	8.7	4	248	WSW	0	0	360	1	1	0.00	1	0.468948E-05	0.649090E-05	0.969147E-07	0.108099E-06	0.	0.0
.221	3	12211	0	-9	2	8.6	4	284	WNW	0	0	360	2	2	0.00	1	0.142736E-04	0.144999E-04	0.131488E-06	0.109356E-06	0.	0.0
.221	3	12212	0	-9	2	11.4	4	307	NW	0	0	360	2	2	0.00	1	0.107678E-04	0.109385E-04	0.991930E-07	0.824967E-07	0.	0.0
.221	3	12213	0	-9	2	10.7	4	287	WNW	0	0	360	2	2	0.00	1	0.114722E-04	0.116541E-04	0.105682E-06	0.878936E-07	0.	0.0
.221	3	12214	0	-9	2	9.9	4	292	WNW	0	0	360	2	2	0.00	1	0.123993E-04	0.125959E-04	0.114222E-06	0.949961E-07	0.	0.0
.221	3	12215	0	-9	2	10.8	4	292	WNW	0	0	360	2	2	0.00	1	0.113660E-04	0.115462E-04	0.104704E-06	0.870798E-07	0.	0.0
221	3	12216	0	-7	4	9.8	4	292	WNW	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0
.221	3	12217	0	-5	4	9.7	4	301	WNW	0	0	360	4	4	1.23	1	0.567330E-04	0.270737E-04	0.244824E-05	0.101245E-05	0.	0.0
.221	3	12218	0	-4	4	12.0	4	319	NW	0	0	360	4	4	1.07	1	0.458592E-04	0.218846E-04	0.203588E-05	0.818398E-06	0.	0.0
.221	3	12219	0	-4	4	9.6	4	347	NNW	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
.222	3	12220	0	-4	4	9.9	4	344	NNW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
.222	3	12221	0	-4	4	8.7	4	340	NNW	0	0	360	4	4	1.31	1	0.632540E-04	0.301856E-04	0.268616E-05	0.112882E-05	0.	0.0
.222	3	12222	0	-4	4	10.7	4	330	NNW	0	0	360	4	4	1.15	1	0.514308E-04	0.245434E-04	0.225020E-05	0.917829E-06	0.	0.0
.222	3	12223	0	-4	4	9.1	4	324	NW	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0
.222	3	12224	0	-4	4	7.2	3	338	NNW	0	0	360	4	4	1.48	1	0.764319E-04	0.364743E-04	0.314987E-05	0.136400E-05	0.	0.0
.23	3	123	1	0	-4	4	7.8	4	331	NNW	0	0	360	4	4	1.41	1	0.705525E-04	0.336686E-04	0.294566E-05	0.125907E-05	0.	0.0
.23	3	123	2	0	-4	4	5.9	3	312	NW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
.23	3	123	3	0	-4	4	6.1	3	316	NW	0	0	360	4	4	1.64	3	0.819073E-04	0.430516E-04	0.361327E-05	0.160996E-05	0.	0.0
.23	3	123	4	0	-4	4	5.0	3	286	WNW	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
.23	3	123	5	0	-4	4	2.6	2	128	SE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
.23	3	123	6	0	-5	4	3.9	3	252	WSW	0	0	360	4	4	2.00	3	0.105350E-03	0.673372E-04	0.532556E-05	0.251815E-05	0.	0.0
.23	3	123	7	0	-5	4	3.0	2	241	WSW	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
.23	3	123	8	0	-6	4	3.8	3	239	WSW	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0

L23	3	123	9	0	-7	4	6.7	3	263	W	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0
L231	3	12310	0		-7	4	9.1	4	270	W	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0
L231	3	12311	0		-9	2	8.9	4	287	WNW	0	0	360	2	2	0.00	1	0.137925E-04	0.140111E-04	0.127056E-06	0.105670E-06	0.	0.0
L231	3	12312	0		-10	1	8.7	4	294	WNW	0	0	360	1	1	0.00	1	0.468948E-05	0.649090E-05	0.969147E-07	0.108099E-06	0.	0.0
L231	3	12313	0		-8	3	9.3	4	317	NW	0	0	360	3	3	0.00	1	0.275212E-04	0.200164E-04	0.664258E-06	0.399268E-06	0.	0.0
L231	3	12314	0		-7	4	14.0	5	319	NW	0	0	360	4	4	0.00	1	0.393078E-04	0.187582E-04	0.174504E-05	0.701484E-06	0.	0.0
L231	3	12315	0		-7	4	10.2	4	316	NW	0	0	360	4	4	1.19	1	0.539519E-04	0.257466E-04	0.234490E-05	0.962821E-06	0.	0.0
L231	3	12316	0		-6	4	9.9	4	314	NW	0	0	360	4	4	1.21	1	0.555869E-04	0.265268E-04	0.240579E-05	0.991998E-06	0.	0.0
L231	3	12317	0		-6	4	10.2	4	332	NNW	0	0	360	4	4	1.19	1	0.539519E-04	0.257466E-04	0.234490E-05	0.962821E-06	0.	0.0
L231	3	12318	0		-5	4	11.2	4	346	NNW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
L231	3	12319	0		-5	4	12.4	4	342	NNW	0	0	360	4	4	1.05	1	0.443798E-04	0.211786E-04	0.197021E-05	0.791998E-06	0.	0.0
L232	3	12320	0		-5	4	13.1	5	342	NNW	0	0	360	4	4	1.02	1	0.420084E-04	0.200469E-04	0.186493E-05	0.749677E-06	0.	0.0
L232	3	12321	0		-4	4	12.0	4	343	NNW	0	0	360	4	4	1.07	1	0.458592E-04	0.218846E-04	0.203588E-05	0.818398E-06	0.	0.0
L232	3	12322	0		-4	4	9.8	4	356	N	0	0	360	4	4	1.22	1	0.561541E-04	0.267974E-04	0.242682E-05	0.100212E-05	0.	0.0

YEA 1PPL YEAR 2003 DT 60-10A 8-NOV-04... PAGE 17

3	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
L232	3	12323	0		-4	4	10.7	4	359	N	0	0	360	4	4	1.15	1	0.514308E-04		0.245434E-04		0.225020E-05		0.917829E-06		0.	0.0
L232	3	12324	0		-4	4	10.5	4	355	N	0	0	360	4	4	1.17	1	0.524105E-04		0.250109E-04		0.228711E-05		0.935312E-06		0.	0.0
L24	3	124	1	0	-4	4	8.3	4	2	N	0	0	360	4	4	1.35	1	0.663024E-04		0.316403E-04		0.279539E-05		0.118323E-05		0.	0.0
L24	3	124	2	0	-3	4	7.0	3	1	N	0	0	360	4	4	1.51	3	0.778506E-04		0.375164E-04		0.322468E-05		0.140297E-05		0.	0.0
L24	3	124	3	0	-3	4	4.9	3	353	N	0	0	360	4	4	1.89	3	0.888050E-04		0.535949E-04		0.431690E-05		0.200424E-05		0.	0.0
L24	3	124	4	0	-2	5	5.3	3	356	N	0	0	360	5	5	2.53	3	0.121758E-03		0.639947E-04		0.790374E-05		0.280339E-05		0.	0.0
L24	3	124	5	0	-3	4	7.2	3	337	NNW	0	0	360	4	4	1.48	1	0.764319E-04		0.364743E-04		0.314987E-05		0.136400E-05		0.	0.0
L24	3	124	6	0	-3	4	9.0	4	330	NNW	0	0	360	4	4	1.29	1	0.611455E-04		0.291794E-04		0.260988E-05		0.109120E-05		0.	0.0
L24	3	124	7	0	-2	5	9.0	4	337	NNW	0	0	360	5	5	1.49	1	0.916681E-04		0.376858E-04		0.552758E-05		0.165088E-05		0.	0.0
L24	3	124	8	0	-2	5	6.2	3	340	NNW	0	0	360	5	5	2.16	3	0.121758E-03		0.547052E-04		0.715554E-05		0.239644E-05		0.	0.0
L24	3	124	9	0	-6	4	4.8	3	286	WNW	0	0	360	4	4	1.91	3	0.894834E-04		0.547114E-04		0.438889E-05		0.204599E-05		0.	0.0
L241	3	12410	0		-9	2	7.4	3	327	NNW	0	0	360	2	2	0.00	1	0.165882E-04		0.168512E-04		0.152811E-06		0.127089E-06		0.	0.0
L241	3	12411	0		-9	2	5.7	3	319	NW	0	0	360	2	2	0.00	1	0.215356E-04		0.218770E-04		0.198386E-06		0.164993E-06		0.	0.0
L241	3	12412	0		-9	2	4.4	3	282	WNW	0	0	360	2	2	0.00	1	0.278984E-04		0.283407E-04		0.257000E-06		0.213741E-06		0.	0.0
L241	3	12413	0		-9	2	5.7	3	286	WNW	0	0	360	2	2	0.00	1	0.215356E-04		0.218770E-04		0.198386E-06		0.164993E-06		0.	0.0
L241	3	12414	0		-10	1	6.3	3	282	WNW	0	0	360	1	1	0.00	1	0.647595E-05		0.896363E-05		0.133835E-06		0.149280E-06		0.	0.0
L241	3	12415	0		-8	3	10.2	4	324	NW	0	0	360	3	3	0.00	1	0.250929E-04		0.182502E-04		0.605647E-06		0.364039E-06		0.	0.0
L241	3	12416	0		-7	4	11.0	4	344	NNW	0	0	360	4	4	1.13	1	0.500282E-04		0.238741E-04		0.219708E-05		0.892798E-06		0.	0.0
L241	3	12417	0		-4	4	8.6	4	342	NNW	0	0	360	4	4	1.32	1	0.639895E-04		0.305366E-04		0.271263E-05		0.114195E-05		0.	0.0
L241	3	12418	0		-1	5	6.8	3	351	N	0	0	360	5	5	1.97	1	0.121325E-03		0.498782E-04		0.673075E-05		0.218499E-05		0.	0.0
L241	3	12419	0		-1	5	7.1	3	354	N	0	0	360	5	5	1.89	1	0.116199E-03		0.477707E-04		0.653673E-05		0.209267E-05		0.	0.0
L242	3	12420	0		0	5	2.3	2	20	NNE	0	0	360	5	5	3.00	3	0.236835E-03		0.147466E-03		0.170062E-04		0.645998E-05		0.	0.0
L242	3	12421	0		1	5	2.2	2	297	WNW	0	0	360	5	5	3.00	3	0.247600E-03		0.154169E-03		0.177792E-04		0.675361E-05		0.	0.0
L242	3	12422	0		-2	5	4.5	3	294	WNW	0	0	360	5	5	2.98	3	0.121758E-03		0.753715E-04		0.871364E-05		0.330176E-05		0.	0.0
L242	3	12423	0		-3	4	2.7	2	105	ESE	0	0	360	4	4	2.00	3	0.152173E-03		0.972648E-04		0.769247E-05		0.363732E-05		0.	0.0
L242	3	12424	0		-3	4	2.5	2	49	NE	0	0	360	4	4	2.00	3	0.164347E-03		0.105046E-03		0.830787E-05		0.392831E-05		0.	0.0
L25	3	125	1	0	-4	4	2.2	2	85	E	0	0	360	4	4	2.00	3	0.186758E-03		0.119370E-03		0.944076E-05		0.446399E-05		0.	0.0
L25	3	125	2	0	-4	4	2.0	2	150	SSE	0	0	360	4	4	2.00	3	0.205433E-03		0.131307E-03		0.103848E-04		0.491039E-05		0.	0.0
L25	3	125	3	0	-3	4	3.6	3	194	SSW	0	0	360	4	4	2.00	3	0.114130E-03		0.729486E-04		0.576935E-05		0.272799E-05		0.	0.0
L25	3	125	4	0	-2	5	2.8	2	184	S	0	0	360	5	5	3.00	3	0.194543E-03		0.121133E-03		0.139694E-04		0.530641E-05		0.	0.0
L25	3	125	5	0	-4	4	5.8	3	213	SSW	0	0	360	4	4	1.70	3	0.834463E-04		0.452784E-04		0.376568E-05		0.169324E-05		0.	0.0
L25	3	125	6	0	-5	4	6.5	3	216	SW	0	0	360	4	4	1.58	3	0.800095E-04		0.404023E-04		0.342908E-05		0.151089E-05		0.	0.0
L25	3	125	7	0	-5	4	5.3	3	200	SSW	0	0	360	4	4	1.80	3	0.862697E-04		0.495500E-04		0.405220E-05		0.185298E-05		0.	0.0
L25	3	125	8	0	-5	4	4.2	3	202	SSW	0	0	360	4	4	2.00	3	0.978254E-04		0.625274E-04		0.494516E-05		0.233828E-05		0.	0.0
L25	3	125	9	0	-6	4	7.1	3	212	SSW	0	0	360	4	4	1.49	3	0.774441E-04		0.369880E-04		0.318682E-05		0.138321E-05		0.	0.0
L251	3	12510	0		-10	1	9.3	4	222	SW	0	0	360	1	1	0.00	1	0.438693E-05		0.607214E-05		0.906622E-07		0.101125E-06		0.	0.0
L251	3	12511	0		-12	1	11.1	4	221	SW	0	0	360	1	1	0.00	1	0.367554E-05		0.508746E-05		0.759602E-07		0.847263E-07		0.	0.0
L251	3	12512	0		-12	1	11.2	4	223	SW	0	0	360	1	1	0.00	1	0.364272E-05		0.504204E-05		0.752820E-07		0.839698E-07		0.	0.0
L251	3	12513	0		-10	1	11.3	4	229	SW	0	0	360	1	1	0.00	1	0.361048E-05		0.499742E-05		0.746157E-07		0.832267E-07		0.	0.0
L251	3	12514	0		-9	2	11.8	4	233	SW	0	0	360	2	2	0.00	1	0.104028E-04		0.105677E-04		0.958305E-07		0.797002E-07		0.	0.0
L251	3	12515	0		-9	2	10.1	4	230	SW	0	0	360	2	2	0.00	1	0.121538E-04		0.123464E-04		0.111960E-06		0.931150E-07		0.	0.0
L251	3	12516	0		-9	2	10.8	4	227	SW	0	0	360	2	2	0.00	1	0.113660E-04		0.115462E-04		0.104704E-06		0.870798E-07		0.	0.0
L251	3	12517	0		-6	4	8.1	4	213	SSW	0	0	360	4	4	1.38	1	0.679395E-04		0.324216E-04		0.285354E-05		0.121244E-05		0.	0.0
L251	3	12518	0		-4	4	8.3	4	212	SSW	0	0	360	4	4	1.35	1	0.663024E-04		0.316403E-04		0.279539E-05		0.118323E-05		0.	0.0
L251	3	12519	0		-4	4	7.3	3	204	SSW	0	0	360	4	4	1.47	1	0.753849E-04		0.359746E-04		0.311381E-05		0.134531E-05		0.	0.0

2520	3	12520	0	-2	5	5.7	3	197	SSW	0	0	360	5	5	2.35	3	0.121758E-03	0.595039E-04	0.755275E-05	0.260666E-05	0.	0.0
2521	3	12521	0	-2	5	4.5	3	193	SSW	0	0	360	5	5	2.98	3	0.121758E-03	0.753715E-04	0.871364E-05	0.330176E-05	0.	0.0
2522	3	12522	0	2	5	4.4	3	204	SSW	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
2523	3	12523	0	4	5	4.2	3	196	SSW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
2524	3	12524	0	7	5	2.1	2	177	S	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
26 1	3	126 1	0	3	5	1.2	2	125	SE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
26 2	3	126 2	0	3	5	1.2	2	43	NE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
26 3	3	126 3	0	6	5	1.2	2	127	SE	0	0	360	5	5	3.00	3	0.453934E-03	0.282643E-03	0.325953E-04	0.123816E-04	0.	0.0
26 4	3	126 4	0	9	6	2.0	2	152	SSE	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
26 5	3	126 5	0	4	5	1.4	2	107	ESE	0	0	360	5	5	3.00	3	0.389086E-03	0.242266E-03	0.279388E-04	0.106128E-04	0.	0.0

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04*** PAGE 18

ODATE TEMP GP SPED GP DIR GF RA RB RANG IRY IRZ XQ LE 8 XQ GT 8 XQ(ELEV) LE 8 XQ(ELV) GT 8 H2 TER

26 6	3	126 6	0	9	6	1.1	2	92	E	0	0	360	6	6	4.00	3	0.820055E-03	0.483129E-03	0.835303E-04	0.216248E-04	0.	0.0
26 7	3	126 7	0	6	5	1.1	2	150	SSE	0	0	360	5	5	3.00	3	0.495201E-03	0.308338E-03	0.355585E-04	0.135072E-04	0.	0.0
26 8	3	126 8	0	13	6	1.5	2	95	E	0	0	360	6	6	4.00	3	0.601374E-03	0.354295E-03	0.612556E-04	0.158582E-04	0.	0.0
26 9	3	126 9	0	14	6	1.7	2	104	ESE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
2610	3	12610	0	7	5	1.6	2	121	ESE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
2611	3	12611	0	-5	4	2.6	2	160	SSE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
2612	3	12612	0	-8	3	6.9	3	224	SW	0	0	360	3	3	0.00	1	0.370938E-04	0.269786E-04	0.895305E-06	0.538144E-06	0.	0.0
2613	3	12613	0	-7	4	9.4	4	228	SW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
2614	3	12614	0	-7	4	6.9	3	222	SW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
2615	3	12615	0	-7	4	6.5	3	222	SW	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
2616	3	12616	0	-6	4	6.4	3	213	SSW	0	0	360	4	4	1.60	3	0.804687E-04	0.410336E-04	0.347326E-05	0.153450E-05	0.	0.0
2617	3	12617	0	-4	4	6.0	3	212	SSW	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
2618	3	12618	0	-3	4	5.4	3	314	NW	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
2619	3	12619	0	-3	4	5.6	3	324	NW	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
2620	3	12620	0	-4	4	2.4	2	115	ESE	0	0	360	4	4	2.00	3	0.171194E-03	0.109423E-03	0.865403E-05	0.409199E-05	0.	0.0
2621	3	12621	0	-2	5	5.3	3	10	N	0	0	360	5	5	2.53	3	0.121758E-03	0.639947E-04	0.790374E-05	0.280339E-05	0.	0.0
2622	3	12622	0	0	5	7.7	4	8	N	0	0	360	5	5	1.74	1	0.107145E-03	0.440483E-04	0.618042E-05	0.192960E-05	0.	0.0
2623	3	12623	0	-2	5	7.6	4	1	N	0	0	360	5	5	1.77	1	0.108554E-03	0.446279E-04	0.623708E-05	0.195499E-05	0.	0.0
2624	3	12624	0	-2	5	11.4	4	359	N	0	0	360	5	5	1.18	1	0.723695E-04	0.297519E-04	0.462556E-05	0.130333E-05	0.	0.0
27 1	3	127 1	0	-4	4	10.3	4	354	N	0	0	360	4	4	1.18	1	0.534281E-04	0.254966E-04	0.232530E-05	0.953473E-06	0.	0.0
27 2	3	127 2	0	-4	4	5.0	3	16	NNE	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
27 3	3	127 3	0	-3	4	8.2	4	357	N	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
27 4	3	127 4	0	-3	4	8.6	4	349	N	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
27 5	3	127 5	0	-3	4	9.2	4	341	NNW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
27 6	3	127 6	0	-3	4	8.3	4	341	NNW	0	0	360	4	4	1.35	1	0.663024E-04	0.316403E-04	0.279539E-05	0.118323E-05	0.	0.0
27 7	3	127 7	0	-3	4	7.6	4	345	NNW	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
27 8	3	127 8	0	-3	4	9.0	4	343	NNW	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
27 9	3	127 9	0	-6	4	9.3	4	338	NNW	0	0	360	4	4	1.26	1	0.591731E-04	0.282382E-04	0.253797E-05	0.105600E-05	0.	0.0
2710	3	12710	0	-7	4	11.9	4	341	NNW	0	0	360	4	4	1.08	1	0.462445E-04	0.220685E-04	0.205218E-05	0.825275E-06	0.	0.0
2711	3	12711	0	-6	4	10.9	4	331	NNW	0	0	360	4	4	1.14	1	0.504871E-04	0.240931E-04	0.221449E-05	0.900989E-06	0.	0.0
2712	3	12712	0	-6	4	11.2	4	330	NNW	0	0	360	4	4	1.12	1	0.491348E-04	0.234478E-04	0.216308E-05	0.876855E-06	0.	0.0
2713	3	12713	0	-7	4	10.4	4	328	NNW	0	0	360	4	4	1.17	1	0.529144E-04	0.252514E-04	0.230604E-05	0.944305E-06	0.	0.0
2714	3	12714	0	-9	2	9.7	4	353	N	0	0	360	2	2	0.00	1	0.126550E-04	0.128556E-04	0.116577E-06	0.969548E-07	0.	0.0
2715	3	12715	0	-8	3	10.0	4	344	NNW	0	0	360	3	3	0.00	1	0.255947E-04	0.186152E-04	0.617760E-06	0.371319E-06	0.	0.0
2716	3	12716	0	-7	4	10.2	4	345	NNW	0	0	360	4	4	1.19	1	0.539519E-04	0.257466E-04	0.234490E-05	0.962821E-06	0.	0.0
2717	3	12717	0	-7	4	9.4	4	346	NNW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
2718	3	12718	0	-3	4	7.0	3	353	N	0	0	360	4	4	1.51	3	0.778506E-04	0.375164E-04	0.322468E-05	0.140297E-05	0.	0.0
2719	3	12719	0	-1	5	6.7	3	11	N	0	0	360	5	5	2.00	3	0.121758E-03	0.506227E-04	0.679801E-05	0.221760E-05	0.	0.0
2720	3	12720	0	0	5	4.9	3	9	N	0	0	360	5	5	2.74	3	0.121758E-03	0.692188E-04	0.828896E-05	0.303223E-05	0.	0.0
2721	3	12721	0	3	5	2.6	2	37	NE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
2722	3	12722	0	10	6	3.1	2	26	NNE	0	0	360	6	6	4.00	3	0.290987E-03	0.171433E-03	0.296398E-04	0.767333E-05	0.	0.0
2723	3	12723	0	13	6	2.1	2	150	SSE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
2724	3	12724	0	9	6	1.9	2	103	ESE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
28 1	3	128 1	0	9	6	2.1	2	76	ENE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
28 2	3	128 2	0	5	5	2.3	2	51	NE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
28 3	3	128 3	0	12	6	3.0	2	68	ENE	0	0	360	6	6	4.00	3	0.300687E-03	0.177147E-03	0.306278E-04	0.792911E-05	0.	0.0
28 4	3	128 4	0	3	5	2.3	2	70	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
28 5	3	128 5	0	-3	4	1.5	2	64	ENE	0	0	360	4	4	2.00	3	0.273911E-03	0.175077E-03	0.138464E-04	0.654718E-05	0.	0.0
28 6	3	128 6	0	0	5	1.8	2	60	ENE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0

28	3	128	7	0	-3	4	1.7	2	87	E	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0
28	3	128	8	0	-4	4	1.8	2	75	ENE	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
.28	3	128	9	0	-4	4	1.5	2	70	ENE	0	0	360	4	4	2.00	3	0.273911E-03	0.175077E-03	0.138464E-04	0.654718E-05	0.	0.0
281	3	12810	0	-6	4	1.2	2	124	SE	0	0	360	4	4	2.00	3	0.342389E-03	0.218846E-03	0.173081E-04	0.818398E-05	0.	0.0
.281	3	12811	0	-6	4	1.7	2	55	NE	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0
281	3	12812	0	-7	4	1.8	2	310	NW	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04... PAGE 19

ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
.281	3	12813	0	-14	1	5.1	3	199	SSW	0	0	360	1	1	0.00	1	0.799970E-05	0.110727E-04	0.165325E-06	0.184404E-06	0.	0.0				
.281	3	12814	0	-10	1	5.7	3	220	SW	0	0	360	1	1	0.00	1	0.715763E-05	0.990717E-05	0.147922E-06	0.164993E-06	0.	0.0				
.281	3	12815	0	-9	2	5.4	3	233	SW	0	0	360	2	2	0.00	1	0.227320E-04	0.230924E-04	0.209407E-06	0.174160E-06	0.	0.0				
.281	3	12816	0	-7	4	4.8	3	219	SW	0	0	360	4	4	1.91	3	0.894834E-04	0.547114E-04	0.438889E-05	0.204599E-05	0.	0.0				
.281	3	12817	0	-6	4	3.5	2	194	SSW	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0				
.281	3	12818	0	-4	4	1.2	2	176	S	0	0	360	4	4	2.00	3	0.342389E-03	0.218846E-03	0.173081E-04	0.818398E-05	0.	0.0				
.281	3	12819	0	-4	4	0.9	2	97	E	0	0	360	4	4	2.00	3	0.456518E-03	0.291794E-03	0.230774E-04	0.109120E-04	0.	0.0				
.282	3	12820	0	-4	4	1.0	2	48	NE	0	0	360	4	4	2.00	3	0.410867E-03	0.262615E-03	0.207697E-04	0.982078E-05	0.	0.0				
.282	3	12821	0	-4	4	0.9	2	68	ENE	0	0	360	4	4	2.00	3	0.456518E-03	0.291794E-03	0.230774E-04	0.109120E-04	0.	0.0				
282	3	12822	0	-4	4	1.3	2	52	NE	0	0	360	4	4	2.00	3	0.316051E-03	0.202011E-03	0.159767E-04	0.755444E-05	0.	0.0				
.282	3	12823	0	-3	4	1.8	2	35	NE	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0				
.282	3	12824	0	0	5	1.6	2	62	ENE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0				
.29	3	129	1	0	-3	4	1.7	2	51	NE	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0				
.29	3	129	2	0	-3	4	2.1	2	40	NE	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0				
.29	3	129	3	0	-2	5	2.7	2	30	NNE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0				
.29	3	129	4	0	-3	4	2.3	2	1	N	0	0	360	4	4	2.00	3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0				
.29	3	129	5	0	-3	4	1.6	2	44	NE	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0				
.29	3	129	6	0	-2	5	2.2	2	37	NE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0				
.29	3	129	7	0	0	5	1.7	2	67	ENE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0				
.29	3	129	8	0	0	5	2.3	2	57	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0				
29	3	129	9	0	-3	4	1.0	2	96	E	0	0	360	4	4	2.00	3	0.410867E-03	0.262615E-03	0.207697E-04	0.982078E-05	0.	0.0				
.291	3	12910	0	-4	4	1.1	2	20	NNE	0	0	360	4	4	2.00	3	0.373515E-03	0.238741E-03	0.188815E-04	0.892798E-05	0.	0.0				
.291	3	12911	0	-6	4	1.6	2	86	E	0	0	360	4	4	2.00	3	0.256792E-03	0.164134E-03	0.129810E-04	0.613798E-05	0.	0.0				
.291	3	12912	0	-7	4	1.7	2	109	ESE	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0				
.291	3	12913	0	-7	4	2.0	2	86	E	0	0	360	4	4	2.00	3	0.205433E-03	0.131307E-03	0.103848E-04	0.491039E-05	0.	0.0				
.291	3	12914	0	-9	2	2.4	2	200	SSW	0	0	360	2	2	0.00	1	0.511471E-04	0.519579E-04	0.471167E-06	0.391859E-06	0.	0.0				
.291	3	12915	0	-8	3	2.9	2	236	SW	0	0	360	3	3	0.00	1	0.882577E-04	0.641904E-04	0.213021E-05	0.128041E-05	0.	0.0				
.291	3	12916	0	-6	4	4.0	3	240	WSW	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0				
.291	3	12917	0	-4	4	4.8	3	242	WSW	0	0	360	4	4	1.91	3	0.894834E-04	0.547114E-04	0.438889E-05	0.204599E-05	0.	0.0				
.291	3	12918	0	-3	4	2.6	2	223	SW	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0				
.291	3	12919	0	-1	5	1.3	2	108	ESE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0				
292	3	12920	0	4	5	2.6	2	28	NNE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0				
.292	3	12921	0	-3	4	6.2	3	359	N	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0				
.292	3	12922	0	-3	4	6.8	3	347	NNW	0	0	360	4	4	1.54	3	0.786880E-04	0.386198E-04	0.330331E-05	0.144423E-05	0.	0.0				
.292	3	12923	0	-3	4	4.3	3	4	N	0	0	360	4	4	2.00	3	0.955504E-04	0.610732E-04	0.483015E-05	0.228390E-05	0.	0.0				
.292	3	12924	0	-1	5	3.8	3	14	NNE	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0				
.30	3	130	1	0	-1	5	3.6	3	21	NNE	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0				
.30	3	130	2	0	-3	4	7.6	4	1	N	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0				
.30	3	130	3	0	-3	4	7.9	4	6	N	0	0	360	4	4	1.40	1	0.696595E-04	0.332424E-04	0.291427E-05	0.124314E-05	0.	0.0				
.30	3	130	4	0	-1	5	6.7	3	5	N	0	0	360	5	5	2.00	3	0.121758E-03	0.506227E-04	0.679801E-05	0.221760E-05	0.	0.0				
.30	3	130	5	0	1	5	5.2	3	31	NNE	0	0	360	5	5	2.58	3	0.121758E-03	0.652254E-04	0.799665E-05	0.285730E-05	0.	0.0				
.30	3	130	6	0	2	5	3.3	2	51	NE	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0				
.30	3	130	7	0	5	5	2.9	2	40	NE	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0				
.30	3	130	8	0	18	6	2.9	2	44	NE	0	0	360	6	6	4.00	3	0.311055E-03	0.183256E-03	0.316839E-04	0.820253E-05	0.	0.0				
.30	3	130	9	0	12	6	2.6	2	68	ENE	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0				
.301	3	13010	0	-6	4	2.6	2	102	ESE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0				
.301	3	13011	0	-13	1	2.7	2	88	E	0	0	360	1	1	0.00	1	0.151105E-04	0.209151E-04	0.312281E-06	0.348319E-06	0.	0.0				
.301	3	13012	0	-14	1	3.4	2	212	SSW	0	0	360	1	1	0.00	1	0.119995E-04	0.166091E-04	0.247988E-06	0.276606E-06	0.	0.0				
.301	3	13013	0	-16	1	4.1	3	196	SSW	0	0	360	1	1	0.00	1	0.995084E-05	0.137734E-04	0.205648E-06	0.229381E-06	0.	0.0				
.301	3	13014	0	-11	1	3.8	3	200	SSW	0	0	360	1	1	0.00	1	0.107364E-04	0.148608E-04	0.221884E-06	0.247490E-06	0.	0.0				
.301	3	13015	0	-10	1	2.7	2	158	SSE	0	0	360	1	1	0.00	1	0.151105E-04	0.209151E-04	0.312281E-06	0.348319E-06	0.	0.0				
.301	3	13016	0	-6	4	3.1	2	43	NE	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0				
.301	3	13017	0	-6	4	2.6	2	85	E	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0				

.301	3	13018	0	1	5	3.0	2	148	SSE	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
1301	3	13019	0	3	5	1.6	2	152	SSE	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0

YEAI 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 20

	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER
1302	3	13020	0	12	6	1.9	2	59	ENE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
1302	3	13021	0	26	7	2.1	2	63	ENE	0	0	360	7	7	6.00	3	0.673770E-03	0.392622E-03	0.788675E-04	0.140485E-04	0.	0.0
1302	3	13022	0	29	7	2.6	2	65	ENE	0	0	360	7	7	6.00	3	0.544199E-03	0.317118E-03	0.637007E-04	0.113468E-04	0.	0.0
1302	3	13023	0	36	7	2.9	2	60	ENE	0	0	360	7	7	6.00	3	0.487902E-03	0.284313E-03	0.571109E-04	0.101730E-04	0.	0.0
1302	3	13024	0	46	7	2.4	2	72	ENE	0	0	360	7	7	6.00	3	0.589549E-03	0.343544E-03	0.690091E-04	0.122924E-04	0.	0.0
131	3	131 1	0	34	7	3.2	2	63	ENE	0	0	360	7	7	6.00	3	0.442162E-03	0.257658E-03	0.517568E-04	0.921931E-05	0.	0.0
131	3	131 2	0	33	7	2.3	2	76	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
131	3	131 3	0	28	7	2.3	2	68	ENE	0	0	360	7	7	6.00	3	0.615181E-03	0.358481E-03	0.720095E-04	0.128269E-04	0.	0.0
131	3	131 4	0	20	6	2.6	2	72	ENE	0	0	360	6	6	4.00	3	0.346946E-03	0.204401E-03	0.353397E-04	0.914897E-05	0.	0.0
131	3	131 5	0	10	6	2.2	2	65	ENE	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
131	3	131 6	0	4	5	1.8	2	154	SSE	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
131	3	131 7	0	0	5	2.3	2	67	ENE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
131	3	131 8	0	-3	4	2.3	2	29	NNE	0	0	360	4	4	2.00	3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0
131	3	131 9	0	-4	4	3.1	2	17	NNE	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
1311	3	13110	0	-6	4	3.1	2	16	NNE	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
1311	3	13111	0	-7	4	3.8	3	24	NNE	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
1311	3	13112	0	-7	4	4.4	3	347	NNW	0	0	360	4	4	2.00	3	0.933788E-04	0.596852E-04	0.472038E-05	0.223199E-05	0.	0.0
1311	3	13113	0	-7	4	2.2	2	344	NNW	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0
1311	3	13114	0	-7	4	1.9	2	117	ESE	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
1311	3	13115	0	-5	4	2.6	2	43	NE	0	0	360	4	4	2.00	3	0.158026E-03	0.101006E-03	0.798833E-05	0.377722E-05	0.	0.0
1311	3	13116	0	-4	4	2.9	2	25	NNE	0	0	360	4	4	2.00	3	0.141678E-03	0.905569E-04	0.716196E-05	0.338647E-05	0.	0.0
1311	3	13117	0	-3	4	3.2	2	26	NNE	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
1311	3	13118	0	-1	5	4.3	3	20	NNE	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
1311	3	13119	0	-1	5	3.9	3	19	NNE	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
1312	3	13120	0	-2	5	4.0	3	14	NNE	0	0	360	5	5	3.00	3	0.136180E-03	0.847930E-04	0.977859E-05	0.371449E-05	0.	0.0
1312	3	13121	0	1	5	3.6	3	38	NE	0	0	360	5	5	3.00	3	0.151311E-03	0.942144E-04	0.108651E-04	0.412721E-05	0.	0.0
1312	3	13122	0	1	5	3.4	2	41	NE	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
1312	3	13123	0	0	5	4.2	3	45	NE	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
1312	3	13124	0	-3	4	3.7	3	47	NE	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
2 1	3	2 1 1	0	-3	4	3.2	2	93	E	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
2 1	3	2 1 2	0	-2	5	3.5	2	76	ENE	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
2 1	3	2 1 3	0	-3	4	4.0	3	57	ENE	0	0	360	4	4	2.00	3	0.102717E-03	0.656537E-04	0.519242E-05	0.245519E-05	0.	0.0
2 1	3	2 1 4	0	-3	4	3.8	3	46	NE	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
2 1	3	2 1 5	0	-3	4	4.9	3	51	NE	0	0	360	4	4	1.89	3	0.888050E-04	0.535949E-04	0.431690E-05	0.200424E-05	0.	0.0
2 1	3	2 1 6	0	-2	5	3.2	2	67	ENE	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
2 1	3	2 1 7	0	-2	5	3.9	3	82	E	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
2 1	3	2 1 8	0	-2	5	3.8	3	46	NE	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
2 1	3	2 1 9	0	-1	5	4.2	3	34	NE	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
2 11	3	2 110	0	0	5	3.8	3	11	N	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
2 11	3	2 111	0	-2	5	2.5	2	17	NNE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
2 11	3	2 112	0	-4	4	2.7	2	353	N	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
2 11	3	2 113	0	-5	4	2.0	2	347	NNW	0	0	360	4	4	2.00	3	0.205433E-03	0.131307E-03	0.103848E-04	0.491039E-05	0.	0.0
2 11	3	2 114	0	-6	4	1.8	2	54	NE	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
2 11	3	2 115	0	-4	4	1.9	2	69	ENE	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
2 11	3	2 116	0	-2	5	1.3	2	108	ESE	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
2 11	3	2 117	0	-2	5	1.8	2	340	NNW	0	0	360	5	5	3.00	3	0.302623E-03	0.188429E-03	0.217302E-04	0.825441E-05	0.	0.0
2 11	3	2 118	0	-3	4	2.7	2	207	SSW	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
2 11	3	2 119	0	-3	4	3.1	2	173	S	0	0	360	4	4	2.00	3	0.132538E-03	0.847145E-04	0.669989E-05	0.316799E-05	0.	0.0
2 12	3	2 120	0	-2	5	3.3	2	174	S	0	0	360	5	5	3.00	3	0.165067E-03	0.102779E-03	0.118528E-04	0.450241E-05	0.	0.0
2 12	3	2 121	0	-1	5	4.4	3	186	S	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0
2 12	3	2 122	0	-2	5	4.2	3	198	SSW	0	0	360	5	5	3.00	3	0.129695E-03	0.807552E-04	0.931294E-05	0.353761E-05	0.	0.0
2 12	3	2 123	0	-1	5	4.3	3	194	SSW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
2 12	3	2 124	0	0	5	5.7	3	203	SSW	0	0	360	5	5	2.35	3	0.121758E-03	0.595039E-04	0.755275E-05	0.260666E-05	0.	0.0
2 2	3	2 2 1	0	1	5	5.8	3	210	SSW	0	0	360	5	5	2.31	3	0.121758E-03	0.584779E-04	0.746982E-05	0.256171E-05	0.	0.0
2 2	3	2 2 2	0	5	5	4.4	3	341	NNW	0	0	360	5	5	3.00	3	0.123800E-03	0.770845E-04	0.888962E-05	0.337681E-05	0.	0.0

YEA 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 21

	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER

2	3	2	2	3	0	-1	5	5.4	3	336	NNW	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
2	3	2	2	4	0	-3	4	6.9	3	321	NW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
2	3	2	2	5	0	-3	4	5.6	3	323	NW	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
2	3	2	2	6	0	-1	5	5.1	3	311	NW	0	0	360	5	5	2.63	3	0.121758E-03	0.665043E-04	0.809177E-05	0.291332E-05	0.	0.0
2	3	2	2	7	0	-3	4	5.4	3	294	WNW	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
2	3	2	2	8	0	-3	4	7.4	3	309	NW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
2	3	2	2	9	0	-3	4	5.3	3	300	WNW	0	0	360	4	4	1.80	3	0.862697E-04	0.495500E-04	0.405220E-05	0.185298E-05	0.	0.0
21	3	2	210	0	-4	4	3.5	2	277	W	0	0	360	4	4	2.00	3	0.117390E-03	0.750328E-04	0.593419E-05	0.280594E-05	0.	0.0
21	3	2	211	0	-3	4	5.6	3	301	WNW	0	0	360	4	4	1.74	3	0.845341E-04	0.468955E-04	0.387503E-05	0.175371E-05	0.	0.0
21	3	2	212	0	-4	4	9.4	4	317	NW	0	0	360	4	4	1.25	1	0.585436E-04	0.279378E-04	0.251490E-05	0.104476E-05	0.	0.0
21	3	2	213	0	-4	4	9.5	4	314	NW	0	0	360	4	4	1.24	1	0.579274E-04	0.276437E-04	0.249227E-05	0.103377E-05	0.	0.0
21	3	2	214	0	-4	4	13.1	5	312	NW	0	0	360	4	4	1.02	1	0.420084E-04	0.200469E-04	0.186493E-05	0.749677E-06	0.	0.0
21	3	2	215	0	-4	4	10.7	4	318	NW	0	0	360	4	4	1.15	1	0.514308E-04	0.245434E-04	0.225020E-05	0.917829E-06	0.	0.0
21	3	2	216	0	-4	4	11.4	4	314	NW	0	0	360	4	4	1.11	1	0.482728E-04	0.230364E-04	0.213015E-05	0.861472E-06	0.	0.0
21	3	2	217	0	-4	4	8.2	4	316	NW	0	0	360	4	4	1.36	1	0.671110E-04	0.320262E-04	0.282415E-05	0.119766E-05	0.	0.0
21	3	2	218	0	-4	4	8.8	4	319	NW	0	0	360	4	4	1.31	1	0.625352E-04	0.298426E-04	0.266023E-05	0.111600E-05	0.	0.0
21	3	2	219	0	-3	4	6.5	3	288	WNW	0	0	360	4	4	1.58	3	0.800095E-04	0.404023E-04	0.342908E-05	0.151089E-05	0.	0.0
22	3	2	220	0	-4	4	4.1	3	287	WNW	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
22	3	2	221	0	-3	4	4.5	3	266	W	0	0	360	4	4	1.99	3	0.916406E-04	0.583589E-04	0.462100E-05	0.218239E-05	0.	0.0
22	3	2	222	0	-3	4	5.9	3	283	WNW	0	0	360	4	4	1.68	3	0.829214E-04	0.445110E-04	0.371340E-05	0.166454E-05	0.	0.0
22	3	2	223	0	-2	5	6.4	3	295	WNW	0	0	360	5	5	2.10	3	0.121758E-03	0.529956E-04	0.700811E-05	0.232155E-05	0.	0.0
22	3	2	224	0	-3	4	6.9	3	333	NNW	0	0	360	4	4	1.52	3	0.782652E-04	0.380601E-04	0.326350E-05	0.142330E-05	0.	0.0
3	3	2	3	1	0	-3	4	6.0	3	334	NNW	0	0	360	4	4	1.66	3	0.824086E-04	0.437691E-04	0.366262E-05	0.163680E-05	0.	0.0
3	3	2	3	2	0	-3	4	6.2	3	320	NW	0	0	360	4	4	1.63	3	0.814172E-04	0.423572E-04	0.356530E-05	0.158400E-05	0.	0.0
3	3	2	3	3	0	-2	5	6.3	3	324	NW	0	0	360	5	5	2.13	3	0.121758E-03	0.538368E-04	0.708105E-05	0.235840E-05	0.	0.0
3	3	2	3	4	0	-2	5	6.1	3	328	NNW	0	0	360	5	5	2.20	3	0.121758E-03	0.556020E-04	0.723160E-05	0.243573E-05	0.	0.0
3	3	2	3	5	0	0	5	5.5	3	309	NW	0	0	360	5	5	2.44	3	0.121758E-03	0.616676E-04	0.772426E-05	0.270144E-05	0.	0.0
3	3	2	3	6	0	0	5	4.3	3	233	SW	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
3	3	2	3	7	0	3	5	3.9	3	236	SW	0	0	360	5	5	3.00	3	0.139672E-03	0.869672E-04	0.100293E-04	0.380973E-05	0.	0.0
3	3	2	3	8	0	0	5	4.9	3	254	WSW	0	0	360	5	5	2.74	3	0.121758E-03	0.692188E-04	0.828896E-05	0.303223E-05	0.	0.0
3	3	2	3	9	0	-1	5	3.8	3	191	S	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
31	3	2	310	0	-7	4	1.8	2	180	S	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
31	3	2	311	0	-9	2	2.8	2	107	ESE	0	0	360	2	2	0.00	1	0.438404E-04	0.445354E-04	0.403857E-06	0.335879E-06	0.	0.0
31	3	2	312	0	-9	2	2.7	2	114	ESE	0	0	360	2	2	0.00	1	0.454641E-04	0.461848E-04	0.418815E-06	0.348319E-06	0.	0.0
31	3	2	313	0	-8	3	3.4	2	158	SSE	0	0	360	3	3	0.00	1	0.752787E-04	0.547506E-04	0.181694E-05	0.109212E-05	0.	0.0
31	3	2	314	0	-6	4	1.9	2	17	NNE	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
31	3	2	315	0	-8	3	2.6	2	182	S	0	0	360	3	3	0.00	1	0.984413E-04	0.715970E-04	0.237600E-05	0.142815E-05	0.	0.0
31	3	2	316	0	-4	4	2.7	2	207	SSW	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
31	3	2	317	0	1	5	2.3	2	161	SSE	0	0	360	5	5	3.00	3	0.236835E-03	0.147466E-03	0.170062E-04	0.645998E-05	0.	0.0
31	3	2	318	0	7	5	3.2	2	176	S	0	0	360	5	5	3.00	3	0.170225E-03	0.105991E-03	0.122232E-04	0.464311E-05	0.	0.0
31	3	2	319	0	0	5	2.9	2	169	S	0	0	360	5	5	3.00	3	0.187835E-03	0.116956E-03	0.134877E-04	0.512343E-05	0.	0.0
32	3	2	320	0	4	5	2.0	2	140	SE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
32	3	2	321	0	9	6	2.8	2	138	SE	0	0	360	6	6	4.00	3	0.322165E-03	0.189801E-03	0.328155E-04	0.849547E-05	0.	0.0
32	3	2	322	0	1	5	2.6	2	129	SE	0	0	360	5	5	3.00	3	0.209508E-03	0.130451E-03	0.150440E-04	0.571459E-05	0.	0.0
32	3	2	323	0	0	5	5.0	3	192	SSW	0	0	360	5	5	2.68	3	0.121758E-03	0.678344E-04	0.818918E-05	0.297159E-05	0.	0.0
32	3	2	324	0	-1	5	3.0	2	187	S	0	0	360	5	5	3.00	3	0.181574E-03	0.113057E-03	0.130381E-04	0.495265E-05	0.	0.0
4	3	2	4	1	0	2	5	3.4	2	154	SSE	0	0	360	5	5	3.00	3	0.160212E-03	0.997564E-04	0.115042E-04	0.436998E-05	0.	0.0
4	3	2	4	2	0	-1	5	4.8	3	156	SSE	0	0	360	5	5	2.80	3	0.121758E-03	0.706608E-04	0.839120E-05	0.309540E-05	0.	0.0
4	3	2	4	3	0	0	5	2.7	2	40	NE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
4	3	2	4	4	0	0	5	3.5	2	43	NE	0	0	360	5	5	3.00	3	0.155634E-03	0.969063E-04	0.111755E-04	0.424513E-05	0.	0.0
4	3	2	4	5	0	1	5	3.8	3	159	SSE	0	0	360	5	5	3.00	3	0.143348E-03	0.892558E-04	0.102933E-04	0.390999E-05	0.	0.0
4	3	2	4	6	0	0	5	2.7	2	175	S	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
4	3	2	4	7	0	0	5	4.8	3	150	SSE	0	0	360	5	5	2.80	3	0.121758E-03	0.706608E-04	0.839120E-05	0.309540E-05	0.	0.0
4	3	2	4	8	0	0	5	5.2	3	167	SSE	0	0	360	5	5	2.58	3	0.121758E-03	0.652254E-04	0.799665E-05	0.285730E-05	0.	0.0
4	3	2	4	9	0	1	5	5.1	3	158	SSE	0	0	360	5	5	2.63	3	0.121758E-03	0.665043E-04	0.809177E-05	0.291332E-05	0.	0.0

YEA 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 22

S	ODATE				TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
2	41	3	2	410	0	1	5	6.4	3	140	SE	0	0	360	5	5	2.10	3	0.121758E-03	0.529956E-04	0.700811E-05	0.232155E-05	0.	0.0
2	41	3	2	411	0	3	5	7.2	3	230	SW	0	0	360	5	5	1.86	1	0.114585E-03	0.471072E-04	0.647452E-05	0.206360E-05	0.	0.0
2	41	3	2	412	0	-2	5	13.9	5	234	SW	0	0	360	5	5	0.00	1	0.593534E-04	0.244009E-04	0.380206E-05	0.106892E-05	0.	0.0
2	41	3	2	413	0	-3	4	12.2	4	246	WSW	0	0	360	4	4	1.06	1	0.451074E-04	0.215258E-04	0.200251E-05	0.804982E-06	0.	0.0

414	3	2	414	0	-3	4	17.6	5	246	WSW	0	0	360	4	4	0.00	1	0.312676E-04	0.149213E-04	0.138810E-05	0.557999E-06	0.	0.0
415	3	2	415	0	-4	4	20.1	5	242	WSW	0	0	360	4	4	0.00	1	0.273786E-04	0.130654E-04	0.121545E-05	0.488596E-06	0.	0.0
416	3	2	416	0	-3	4	19.5	5	250	WSW	0	0	360	4	4	0.00	1	0.282210E-04	0.134674E-04	0.125285E-05	0.503629E-06	0.	0.0
417	3	2	417	0	-3	4	15.4	5	265	W	0	0	360	4	4	0.00	1	0.357344E-04	0.170529E-04	0.158640E-05	0.637713E-06	0.	0.0
418	3	2	418	0	-3	4	14.2	5	246	WSW	0	0	360	4	4	0.00	1	0.387542E-04	0.184940E-04	0.172047E-05	0.691604E-06	0.	0.0
419	3	2	419	0	-3	4	15.0	5	247	WSW	0	0	360	4	4	0.00	1	0.366873E-04	0.175077E-04	0.162871E-05	0.654718E-06	0.	0.0
420	3	2	420	0	-3	4	14.4	5	244	WSW	0	0	360	4	4	0.00	1	0.382160E-04	0.182371E-04	0.169657E-05	0.681998E-06	0.	0.0
421	3	2	421	0	-3	4	14.9	5	248	WSW	0	0	360	4	4	0.00	1	0.369335E-04	0.176252E-04	0.163964E-05	0.659112E-06	0.	0.0
422	3	2	422	0	-3	4	14.8	5	249	WSW	0	0	360	4	4	0.00	1	0.371831E-04	0.177442E-04	0.165072E-05	0.663566E-06	0.	0.0
423	3	2	423	0	-3	4	13.1	5	246	WSW	0	0	360	4	4	1.02	1	0.420084E-04	0.200469E-04	0.186493E-05	0.749677E-06	0.	0.0
424	3	2	424	0	-3	4	13.9	5	254	WSW	0	0	360	4	4	0.00	1	0.395906E-04	0.188932E-04	0.175760E-05	0.706531E-06	0.	0.0
5 1	3	2	5	1	0	-3	4	14.3	5	256	WSW	0	0	360	4	4	0.00	1	0.384832E-04	0.183647E-04	0.170843E-05	0.686768E-06	0.	0.0
5 2	3	2	5	2	0	-4	4	15.4	5	252	WSW	0	0	360	4	4	0.00	1	0.357344E-04	0.170529E-04	0.158640E-05	0.637713E-06	0.	0.0
5 3	3	2	5	3	0	-4	4	13.4	5	251	WSW	0	0	360	4	4	1.00	1	0.410679E-04	0.195981E-04	0.182318E-05	0.732894E-06	0.	0.0
5 4	3	2	5	4	0	-4	4	13.5	5	257	WSW	0	0	360	4	4	0.00	1	0.407637E-04	0.194530E-04	0.180968E-05	0.727465E-06	0.	0.0
5 5	3	2	5	5	0	-4	4	11.7	4	260	W	0	0	360	4	4	1.09	1	0.470350E-04	0.224457E-04	0.208265E-05	0.839383E-06	0.	0.0
5 6	3	2	5	6	0	-4	4	10.4	4	254	WSW	0	0	360	4	4	1.17	1	0.529144E-04	0.252514E-04	0.230604E-05	0.944305E-06	0.	0.0
5 7	3	2	5	7	0	-4	4	8.4	4	258	WSW	0	0	360	4	4	1.34	1	0.655131E-04	0.312637E-04	0.276722E-05	0.116914E-05	0.	0.0
5 8	3	2	5	8	0	-5	4	9.1	4	266	W	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0
5 9	3	2	5	9	0	-6	4	12.1	4	311	NW	0	0	360	4	4	1.07	1	0.454802E-04	0.217037E-04	0.201906E-05	0.811634E-06	0.	0.0
510	3	2	510	0	-6	4	9.2	4	302	WNW	0	0	360	4	4	1.27	1	0.598163E-04	0.285451E-04	0.256148E-05	0.106748E-05	0.	0.0
511	3	2	511	0	-6	4	10.7	4	287	WNW	0	0	360	4	4	1.15	1	0.514308E-04	0.245434E-04	0.225020E-05	0.917829E-06	0.	0.0
512	3	2	512	0	-8	3	12.1	4	310	NW	0	0	360	3	3	0.00	1	0.211527E-04	0.153845E-04	0.510546E-06	0.306875E-06	0.	0.0
513	3	2	513	0	-7	4	13.5	5	310	NW	0	0	360	4	4	0.00	1	0.407637E-04	0.194530E-04	0.180968E-05	0.727465E-06	0.	0.0
514	3	2	514	0	-7	4	12.5	4	304	NW	0	0	360	4	4	1.05	1	0.440248E-04	0.210092E-04	0.195445E-05	0.785662E-06	0.	0.0
515	3	2	515	0	-8	3	12.0	4	271	W	0	0	360	3	3	0.00	1	0.213290E-04	0.155127E-04	0.514800E-06	0.309433E-06	0.	0.0
516	3	2	516	0	-7	4	12.0	4	263	W	0	0	360	4	4	1.07	1	0.458592E-04	0.218846E-04	0.203588E-05	0.818398E-06	0.	0.0
517	3	2	517	0	-7	4	10.7	4	270	W	0	0	360	4	4	1.15	1	0.514308E-04	0.245434E-04	0.225020E-05	0.917829E-06	0.	0.0
518	3	2	518	0	-4	4	8.6	4	269	W	0	0	360	4	4	1.32	1	0.639895E-04	0.305366E-04	0.271263E-05	0.114195E-05	0.	0.0
519	3	2	519	0	-3	4	5.2	3	234	SW	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
520	3	2	520	0	-3	4	7.4	3	242	WSW	0	0	360	4	4	1.46	1	0.743662E-04	0.354885E-04	0.307859E-05	0.132713E-05	0.	0.0
521	3	2	521	0	-4	4	6.7	3	244	WSW	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0
522	3	2	522	0	-4	4	5.7	3	272	W	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
523	3	2	523	0	-4	4	3.8	3	265	W	0	0	360	4	4	2.00	3	0.108123E-03	0.691092E-04	0.546570E-05	0.258441E-05	0.	0.0
524	3	2	524	0	-3	4	2.5	2	117	ESE	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
6 1	3	2	6	1	0	-3	4	1.9	2	120	ESE	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
6 2	3	2	6	2	0	-4	4	1.8	2	102	ESE	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
6 3	3	2	6	3	0	0	5	2.2	2	143	SE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
6 4	3	2	6	4	0	9	6	1.7	2	117	ESE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
6 5	3	2	6	5	0	1	5	1.7	2	96	E	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
6 6	3	2	6	6	0	-1	5	1.7	2	70	ENE	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
6 7	3	2	6	7	0	0	5	2.2	2	77	ENE	0	0	360	5	5	3.00	3	0.247600E-03	0.154169E-03	0.177792E-04	0.675361E-05	0.	0.0
6 8	3	2	6	8	0	-3	4	1.9	2	63	ENE	0	0	360	4	4	2.00	3	0.216246E-03	0.138218E-03	0.109314E-04	0.516883E-05	0.	0.0
6 9	3	2	6	9	0	-6	4	1.8	2	88	E	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
610	3	2	610	0	-9	2	4.1	3	202	SSW	0	0	360	2	2	0.00	1	0.299398E-04	0.304144E-04	0.275805E-06	0.229381E-06	0.	0.0
611	3	2	611	0	-14	1	6.8	3	229	SW	0	0	360	1	1	0.00	1	0.599977E-05	0.830454E-05	0.123994E-06	0.138303E-06	0.	0.0
612	3	2	612	0	-15	1	7.5	3	215	SW	0	0	360	1	1	0.00	1	0.543979E-05	0.752945E-05	0.112421E-06	0.125395E-06	0.	0.0
613	3	2	613	0	-12	1	6.9	3	213	SSW	0	0	360	1	1	0.00	1	0.591282E-05	0.818418E-05	0.122197E-06	0.136299E-06	0.	0.0
614	3	2	614	0	-11	1	6.8	3	229	SW	0	0	360	1	1	0.00	1	0.599977E-05	0.830454E-05	0.123994E-06	0.138303E-06	0.	0.0
615	3	2	615	0	-10	1	5.4	3	228	SW	0	0	360	1	1	0.00	1	0.755527E-05	0.104576E-04	0.156140E-06	0.174160E-06	0.	0.0
616	3	2	616	0	-7	4	2.7	2	195	SSW	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04*** PAGE 23

ODATE				TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
617	3	2	617	0	-5	4	2.7	2	147	SSE	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
618	3	2	618	0	-5	4	5.4	3	183	S	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
619	3	2	619	0	-6	4	5.2	3	189	S	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
620	3	2	620	0	-4	4	3.0	2	184	S	0	0	360	4	4	2.00	3	0.136956E-03	0.875383E-04	0.692322E-05	0.327359E-05	0.	0.0
621	3	2	621	0	-3	4	3.4	2	174	S	0	0	360	4	4	2.00	3	0.120843E-03	0.772397E-04	0.610873E-05	0.288846E-05	0.	0.0
622	3	2	622	0	-5	4	5.2	3	176	S	0	0	360	4	4	1.82	3	0.868784E-04	0.505029E-04	0.411512E-05	0.188861E-05	0.	0.0
623	3	2	623	0	-6	4	4.1	3	186	S	0	0	360	4	4	2.00	3	0.100211E-03	0.640524E-04	0.506577E-05	0.239531E-05	0.	0.0
624	3	2	624	0	-4	4	2.2	2	177	S	0	0	360	4	4	2.00	3	0.186758E-03	0.119370E-03	0.944076E-05	0.446399E-05	0.	0.0

7 1	3	2	7	1	0	-4	4	1.4	2	156	SSE	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
7 2	3	2	7	2	0	-3	4	1.3	2	101	E	0	0	360	4	4	2.00	3	0.316051E-03	0.202011E-03	0.159767E-04	0.755444E-05	0.	0.0
7 3	3	2	7	3	0	-3	4	1.4	2	85	E	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
7 4	3	2	7	4	0	-3	4	1.5	2	49	NE	0	0	360	4	4	2.00	3	0.273911E-03	0.175077E-03	0.138464E-04	0.654718E-05	0.	0.0
7 5	3	2	7	5	0	-3	4	2.3	2	39	NE	0	0	360	4	4	2.00	3	0.178638E-03	0.114180E-03	0.903029E-05	0.426990E-05	0.	0.0
7 6	3	2	7	6	0	-3	4	2.7	2	17	NNE	0	0	360	4	4	2.00	3	0.152173E-03	0.972648E-04	0.769247E-05	0.363732E-05	0.	0.0
7 7	3	2	7	7	0	-3	4	1.8	2	19	NNE	0	0	360	4	4	2.00	3	0.228259E-03	0.145897E-03	0.115387E-04	0.545599E-05	0.	0.0
7 8	3	2	7	8	0	-4	4	1.4	2	30	NNE	0	0	360	4	4	2.00	3	0.293476E-03	0.187582E-03	0.148355E-04	0.701484E-05	0.	0.0
7 9	3	2	7	9	0	-4	4	0.8	2	90	E	0	0	360	4	4	2.00	3	0.513583E-03	0.328269E-03	0.259621E-04	0.122760E-04	0.	0.0
710	3	2	710	0		-6	4	0.8	2	119	ESE	0	0	360	4	4	2.00	3	0.513583E-03	0.328269E-03	0.259621E-04	0.122760E-04	0.	0.0
711	3	2	711	0		-9	2	2.0	2	183	S	0	0	360	2	2	0.00	1	0.613765E-04	0.623495E-04	0.565400E-06	0.470231E-06	0.	0.0
712	3	2	712	0		-11	1	4.3	3	210	SSW	0	0	360	1	1	0.00	1	0.948801E-05	0.131328E-04	0.196083E-06	0.218712E-06	0.	0.0
713	3	2	713	0		-10	1	4.0	3	197	SSW	0	0	360	1	1	0.00	1	0.101996E-04	0.141177E-04	0.210789E-06	0.235115E-06	0.	0.0
714	3	2	714	0		-7	4	3.2	2	155	SSE	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
715	3	2	715	0		-5	4	3.2	2	309	NW	0	0	360	4	4	2.00	3	0.128396E-03	0.820672E-04	0.649052E-05	0.306899E-05	0.	0.0
716	3	2	716	0		-4	4	3.7	3	5	N	0	0	360	4	4	2.00	3	0.111045E-03	0.709770E-04	0.561342E-05	0.265426E-05	0.	0.0
717	3	2	717	0		-4	4	2.5	2	320	NW	0	0	360	4	4	2.00	3	0.164347E-03	0.105046E-03	0.830787E-05	0.392831E-05	0.	0.0
718	3	2	718	0		-3	4	7.6	4	355	N	0	0	360	4	4	1.43	1	0.724092E-04	0.345546E-04	0.301060E-05	0.129221E-05	0.	0.0
719	3	2	719	0		-2	5	6.7	3	2	N	0	0	360	5	5	2.00	3	0.121758E-03	0.506227E-04	0.679801E-05	0.221760E-05	0.	0.0
720	3	2	720	0		-3	4	9.6	4	360	N	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
721	3	2	721	0		-4	4	9.1	4	358	N	0	0	360	4	4	1.28	1	0.604736E-04	0.288588E-04	0.258545E-05	0.107921E-05	0.	0.0
722	3	2	722	0		-4	4	9.0	4	346	NNW	0	0	360	4	4	1.29	1	0.611455E-04	0.291794E-04	0.260988E-05	0.109120E-05	0.	0.0
723	3	2	723	0		-4	4	7.3	3	354	N	0	0	360	4	4	1.47	1	0.753849E-04	0.359746E-04	0.311381E-05	0.134531E-05	0.	0.0
724	3	2	724	0		-3	4	7.5	3	355	N	0	0	360	4	4	1.44	1	0.733746E-04	0.350153E-04	0.304420E-05	0.130944E-05	0.	0.0
8 1	3	2	8	1	0	0	5	4.3	3	356	N	0	0	360	5	5	3.00	3	0.126679E-03	0.788772E-04	0.909636E-05	0.345534E-05	0.	0.0
8 2	3	2	8	2	0	3	5	2.5	2	147	SSE	0	0	360	5	5	3.00	3	0.217888E-03	0.135669E-03	0.156457E-04	0.594318E-05	0.	0.0
8 3	3	2	8	3	0	0	5	1.9	2	106	ESE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
8 4	3	2	8	4	0	4	5	1.9	2	106	ESE	0	0	360	5	5	3.00	3	0.286695E-03	0.178512E-03	0.205865E-04	0.781997E-05	0.	0.0
8 5	3	2	8	5	0	14	6	1.9	2	105	ESE	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
8 6	3	2	8	6	0	1	5	2.4	2	107	ESE	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
8 7	3	2	8	7	0	8	6	2.1	2	141	SE	0	0	360	6	6	4.00	3	0.429553E-03	0.253068E-03	0.437540E-04	0.113273E-04	0.	0.0
8 8	3	2	8	8	0	6	5	2.8	2	163	SSE	0	0	360	5	5	3.00	3	0.194543E-03	0.121133E-03	0.139694E-04	0.530641E-05	0.	0.0
8 9	3	2	8	9	0	-7	4	4.6	3	218	SW	0	0	360	4	4	1.97	3	0.909002E-04	0.570902E-04	0.454079E-05	0.213495E-05	0.	0.0
810	3	2	810	0		-10	1	10.1	4	224	SW	0	0	360	1	1	0.00	1	0.403945E-05	0.559117E-05	0.834810E-07	0.931150E-07	0.	0.0
811	3	2	811	0		-10	1	14.3	5	231	SW	0	0	360	1	1	0.00	1	0.285304E-05	0.394901E-05	0.589621E-07	0.657666E-07	0.	0.0
812	3	2	812	0		-11	1	14.4	5	230	SW	0	0	360	1	1	0.00	1	0.283323E-05	0.392159E-05	0.585526E-07	0.653098E-07	0.	0.0
813	3	2	813	0		-12	1	12.2	4	228	SW	0	0	360	1	1	0.00	1	0.334414E-05	0.462876E-05	0.691113E-07	0.770870E-07	0.	0.0
814	3	2	814	0		-12	1	11.1	4	231	SW	0	0	360	1	1	0.00	1	0.367554E-05	0.508746E-05	0.759602E-07	0.847263E-07	0.	0.0
815	3	2	815	0		-14	1	10.7	4	222	SW	0	0	360	1	1	0.00	1	0.381294E-05	0.527765E-05	0.787998E-07	0.878936E-07	0.	0.0
816	3	2	816	0		-10	1	12.2	4	234	SW	0	0	360	1	1	0.00	1	0.334414E-05	0.462876E-05	0.691113E-07	0.770870E-07	0.	0.0
817	3	2	817	0		-8	3	9.9	4	224	SW	0	0	360	3	3	0.00	1	0.258533E-04	0.188032E-04	0.624000E-06	0.375070E-06	0.	0.0
818	3	2	818	0		-1	5	7.3	3	214	SW	0	0	360	5	5	1.84	1	0.113015E-03	0.464619E-04	0.641348E-05	0.203533E-05	0.	0.0
819	3	2	819	0		4	5	4.8	3	192	SSW	0.	0	360	5	5	2.80	3	0.121758E-03	0.706608E-04	0.839120E-05	0.309540E-05	0.	0.0
820	3	2	820	0		6	5	3.7	3	195	SSW	0	0	360	5	5	3.00	3	0.147222E-03	0.916681E-04	0.105714E-04	0.401566E-05	0.	0.0
821	3	2	821	0		9	6	3.8	3	206	SSW	0	0	360	6	6	4.00	3	0.237384E-03	0.139853E-03	0.241798E-04	0.625982E-05	0.	0.0
822	3	2	822	0		20	6	1.8	2	165	SSE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
823	3	2	823	0		19	6	1.2	2	137	SE	0	0	360	6	6	4.00	3	0.751717E-03	0.442869E-03	0.765694E-04	0.198228E-04	0.	0.0

YEAI 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 24

ODATE				TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ LE 8	XQ GT 8	XQ(ELEV) LE 8	XQ(ELV) GT 8	H2 TER	
824	3	2	824	0	19	6	1.7	2	95	E	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
9 1	3	2	9	1	0	9	6	1.4	2	138	SE	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
9 2	3	2	9	2	0	18	6	2.0	2	196	SSW	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
9 3	3	2	9	3	0	18	6	1.4	2	201	SSW	0	0	360	6	6	4.00	3	0.644329E-03	0.379602E-03	0.656310E-04	0.169909E-04	0.	0.0
9 4	3	2	9	4	0	7	5	2.0	2	130	SE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
9 5	3	2	9	5	0	9	6	2.3	2	180	S	0	0	360	6	6	4.00	3	0.392200E-03	0.231062E-03	0.399493E-04	0.103423E-04	0.	0.0
9 6	3	2	9	6	0	6	5	2.1	2	156	SSE	0	0	360	5	5	3.00	3	0.259391E-03	0.161510E-03	0.186259E-04	0.707521E-05	0.	0.0
9 7	3	2	9	7	0	4	5	1.3	2	94	E	0	0	360	5	5	3.00	3	0.419016E-03	0.260902E-03	0.300880E-04	0.114292E-04	0.	0.0
9 8	3	2	9	8	0	7	5	2.0	2	62	ENE	0	0	360	5	5	3.00	3	0.272360E-03	0.169586E-03	0.195572E-04	0.742897E-05	0.	0.0
9 9	3	2	9	9	0	6	5	1.6	2	99	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
910	3	2	910	0	-1	5	1.6	2	100	E	0	0	360	5	5	3.00	3	0.340450E-03	0.211982E-03	0.244465E-04	0.928621E-05	0.	0.0
911	3	2	911	0	-12	1	5.4	3	212	SSW	0	0	360	1	1	0.00	1	0.755527E-05	0.104576E-04	0.156140E-06	0.174160E-06	0.	0.0

91	3	2	912	0	-12	1	10.4	4	228	SW	0	0	360	1	1	0.00	1	0.392293E-05	0.542989E-05	0.810729E-07	0.904290E-07	0.	0.0
91	3	2	913	0	-10	1	12.4	4	231	SW	0	0	360	1	1	0.00	1	0.329020E-05	0.455410E-05	0.679966E-07	0.758437E-07	0.	0.0
91	3	2	914	0	-9	2	13.2	5	234	SW	0	0	360	2	2	0.00	1	0.929947E-05	0.944690E-05	0.856667E-07	0.712471E-07	0.	0.0
91	3	2	915	0	-7	4	10.4	4	226	SW	0	0	360	4	4	1.17	1	0.529144E-04	0.252514E-04	0.230604E-05	0.944305E-06	0.	0.0
91	3	2	916	0	-7	4	10.3	4	226	SW	0	0	360	4	4	1.18	1	0.534281E-04	0.254966E-04	0.232530E-05	0.953473E-06	0.	0.0
91	3	2	917	0	-4	4	10.2	4	228	SW	0	0	360	4	4	1.19	1	0.539519E-04	0.257466E-04	0.234490E-05	0.962821E-06	0.	0.0
91	3	2	918	0	-1	5	7.2	3	215	SW	0	0	360	5	5	1.86	1	0.114585E-03	0.471072E-04	0.647452E-05	0.206360E-05	0.	0.0
91	3	2	919	0	1	5	5.3	3	199	SSW	0	0	360	5	5	2.53	3	0.121758E-03	0.639947E-04	0.790374E-05	0.280339E-05	0.	0.0
92	3	2	920	0	5	5	5.4	3	212	SSW	0	0	360	5	5	2.49	3	0.121758E-03	0.628096E-04	0.781297E-05	0.275147E-05	0.	0.0
92	3	2	921	0	4	5	2.4	2	175	S	0	0	360	5	5	3.00	3	0.226967E-03	0.141322E-03	0.162976E-04	0.619081E-05	0.	0.0
92	3	2	922	0	2	5	1.1	2	143	SE	0	0	360	5	5	3.00	3	0.495201E-03	0.308338E-03	0.355585E-04	0.135072E-04	0.	0.0
92	3	2	923	0	6	5	1.7	2	188	S	0	0	360	5	5	3.00	3	0.320424E-03	0.199513E-03	0.230084E-04	0.873997E-05	0.	0.0
92	3	2	924	0	14	6	2.0	2	177	S	0	0	360	6	6	4.00	3	0.451030E-03	0.265721E-03	0.459417E-04	0.118937E-04	0.	0.0
10	3	210	1	0	11	6	2.2	2	184	S	0	0	360	6	6	4.00	3	0.410028E-03	0.241565E-03	0.417652E-04	0.108124E-04	0.	0.0
10	3	210	2	0	16	6	1.9	2	185	S	0	0	360	6	6	4.00	3	0.474769E-03	0.279707E-03	0.483597E-04	0.125196E-04	0.	0.0
10	3	210	3	0	31	7	1.5	2	75	ENE	0	0	360	7	7	6.00	3	0.943278E-03	0.549671E-03	0.110414E-03	0.196679E-04	0.	0.0
10	3	210	4	0	25	7	1.7	2	63	ENE	0	0	360	7	7	6.00	3	0.832304E-03	0.485004E-03	0.974245E-04	0.173540E-04	0.	0.0
10	3	210	5	0	20	6	1.8	2	41	NE	0	0	360	6	6	4.00	3	0.501145E-03	0.295246E-03	0.510463E-04	0.132152E-04	0.	0.0
10	3	210	6	0	27	7	1.6	2	79	E	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0
10	3	210	7	0	34	7	1.9	2	67	ENE	0	0	360	7	7	6.00	3	0.744693E-03	0.433951E-03	0.871693E-04	0.155273E-04	0.	0.0
10	3	210	8	0	39	7	2.0	2	71	ENE	0	0	360	7	7	6.00	3	0.707459E-03	0.412253E-03	0.828109E-04	0.147509E-04	0.	0.0
10	3	210	9	0	29	7	1.6	2	47	NE	0	0	360	7	7	6.00	3	0.884323E-03	0.515317E-03	0.103514E-03	0.184386E-04	0.	0.0
101	3	21010	0		18	6	1.7	2	108	ESE	0	0	360	6	6	4.00	3	0.530624E-03	0.312613E-03	0.540490E-04	0.139925E-04	0.	0.0
101	3	21011	0		2	5	2.7	2	143	SE	0	0	360	5	5	3.00	3	0.201748E-03	0.125619E-03	0.144868E-04	0.550294E-05	0.	0.0
101	3	21012	0		-5	4	5.0	3	148	SSE	0	0	360	4	4	1.86	3	0.881452E-04	0.525230E-04	0.424735E-05	0.196416E-05	0.	0.0
101	3	21013	0		-6	4	5.4	3	159	SSE	0	0	360	4	4	1.78	3	0.856765E-04	0.486324E-04	0.399127E-05	0.181866E-05	0.	0.0
101	3	21014	0		-6	4	3.6	3	162	SSE	0	0	360	4	4	2.00	3	0.114130E-03	0.729486E-04	0.576935E-05	0.272799E-05	0.	0.0
101	3	21015	0		-7	4	2.1	2	198	SSW	0	0	360	4	4	2.00	3	0.195651E-03	0.125055E-03	0.989032E-05	0.467656E-05	0.	0.0
101	3	21016	0		-6	4	1.7	2	181	S	0	0	360	4	4	2.00	3	0.241686E-03	0.154479E-03	0.122175E-04	0.577693E-05	0.	0.0
101	3	21017	0		-5	4	4.6	3	206	SSW	0	0	360	4	4	1.97	3	0.909002E-04	0.570902E-04	0.454079E-05	0.213495E-05	0.	0.0
101	3	21018	0		-3	4	6.6	3	210	SSW	0	0	360	4	4	1.56	3	0.795599E-04	0.397901E-04	0.338605E-05	0.148800E-05	0.	0.0
101	3	21019	0		-3	4	7.5	3	218	SW	0	0	360	4	4	1.44	1	0.733746E-04	0.350153E-04	0.304420E-05	0.130944E-05	0.	0.0
102	3	21020	0		-3	4	6.7	3	210	SSW	0	0	360	4	4	1.55	3	0.791195E-04	0.391963E-04	0.334415E-05	0.146579E-05	0.	0.0
102	3	21021	0		-3	4	5.7	3	212	SSW	0	0	360	4	4	1.72	3	0.839837E-04	0.460728E-04	0.381953E-05	0.172294E-05	0.	0.0
102	3	21022	0		-1	5	7.8	4	227	SW	0	0	360	5	5	1.72	1	0.105771E-03	0.434836E-04	0.612477E-05	0.190486E-05	0.	0.0
102	3	21023	0		0	5	8.1	4	256	WSW	0	0	360	5	5	1.66	1	0.101853E-03	0.418731E-04	0.596370E-05	0.183431E-05	0.	0.0
102	3	21024	0		0	5	8.6	4	250	WSW	0	0	360	5	5	1.56	1	0.959317E-04	0.394386E-04	0.571327E-05	0.172767E-05	0.	0.0
11	3	211	1	0	-2	5	13.6	5	337	NNW	0	0	360	5	5	0.00	1	0.606627E-04	0.249391E-04	0.388593E-05	0.109250E-05	0.	0.0
11	3	211	2	0	-1	5	13.6	5	326	NW	0	0	360	5	5	0.00	1	0.606627E-04	0.249391E-04	0.388593E-05	0.109250E-05	0.	0.0
11	3	211	3	0	-3	4	11.1	4	306	NW	0	0	360	4	4	1.13	1	0.495775E-04	0.236590E-04	0.217994E-05	0.884755E-06	0.	0.0
11	3	211	4	0	-4	4	14.6	5	318	NW	0	0	360	4	4	0.00	1	0.376925E-04	0.179873E-04	0.167333E-05	0.672656E-06	0.	0.0
11	3	211	5	0	-3	4	9.6	4	318	NW	0	0	360	4	4	1.24	1	0.573239E-04	0.273557E-04	0.247005E-05	0.102300E-05	0.	0.0
11	3	211	6	0	-3	4	12.3	4	321	NW	0	0	360	4	4	1.06	1	0.447406E-04	0.213508E-04	0.198623E-05	0.798437E-06	0.	0.0

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 25

	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	
11	3	211	7	0	-3	4	9.6	4	316	NW	0	0	360	4	4	1.24	1	0.573239E-04		0.273557E-04		0.247005E-05		0.102300E-05		0.		0.0
11	3	211	8	0	-4	4	3.8	3	339	NNW	0	0	360	4	4	2.00	3	0.108123E-03		0.691092E-04		0.546570E-05		0.258441E-05		0.		0.0
11	3	211	9	0	-9	2	4.1	3	332	NNW	0	0	360	2	2	0.00	1	0.299398E-04		0.304144E-04		0.275805E-06		0.229381E-06		0.		0.0
111	3	21110	0		-10	1	5.2	3	331	NNW	0	0	360	1	1	0.00	1	0.784586E-05		0.108598E-04		0.162146E-06		0.180858E-06		0.		0.0
111	3	21111	0		-12	1	5.8	3	290	WNW	0	0	360	1	1	0.00	1	0.703422E-05		0.973635E-05		0.145372E-06		0.162149E-06		0.		0.0
111	3	21112	0		-21	1	6.6	3	202	SSW	0	0	360	1	1	0.00	1	0.618158E-05		0.855619E-05		0.127751E-06		0.142494E-06		0.		0.0
111	3	21113	0		-22	1	8.0	4	202	SSW	0	0	360	1	1	0.00	1	0.509981E-05		0.705886E-05		0.105395E-06		0.117558E-06		0.		0.0
111	3	21114	0		-15	1	7.3	3	220	SW	0	0	360	1	1	0.00	1	0.558883E-05		0.773573E-05		0.115501E-06		0.128830E-06		0.		0.0
111	3	21115	0		-15	1	6.3	3	214	SW	0	0	360	1	1	0.00	1	0.647595E-05		0.896363E-05		0.133835E-06		0.149280E-06		0.		0.0
111	3	21116	0		-10	1	6.5	3	229	SW	0	0	360	1	1	0.00	1	0.627669E-05		0.868782E-05		0.129717E-06		0.144686E-06		0.		0.0

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 31

	ODATE		TEMP	GP	SPED	GP	DIR	GP	RA	RB	RANG	IRY	IRZ		XQ	LE	8	XQ	GT	8	XQ(ELEV)	LE	8	XQ(ELV)	GT	8	H2	TER	

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 37

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CTIO	DIRECTION	CENTERLINE XQ GROUND	CENTERLINE XQ ELEVATED	AVERAGE XQ GROUND	AVERAGE XQ ELEVATED
	N	0.410479E-05	0.245223E-06	0.233197E-05	0.935023E-07

NNI	NNE	0.113022E-04	0.777331E-06	0.674950E-05	0.275303E-06
NE	NE	0.276956E-04	0.243075E-05	0.165332E-04	0.677259E-06
ENI	ENE	0.549468E-04	0.547732E-05	0.326585E-04	0.133231E-05
E	E	0.243718E-04	0.215764E-05	0.147152E-04	0.615518E-06
ESI	ESE	0.133691E-04	0.106597E-05	0.811836E-05	0.337874E-06
SE	SE	0.134110E-04	0.999341E-06	0.813817E-05	0.337054E-06
SSI	SSE	0.889765E-05	0.650781E-06	0.540388E-05	0.222531E-06
S	S	0.101304E-04	0.720030E-06	0.617840E-05	0.254255E-06
SSI	SSW	0.902777E-05	0.599245E-06	0.548941E-05	0.223480E-06
SW	SW	0.810090E-05	0.437416E-06	0.458492E-05	0.175468E-06
WSI	WSW	0.441926E-05	0.235316E-06	0.246234E-05	0.944939E-07
W	W	0.244258E-05	0.136835E-06	0.136845E-05	0.532178E-07
WNI	WNW	0.158084E-05	0.808258E-07	0.877930E-06	0.335436E-07
NW	NW	0.218552E-05	0.109940E-06	0.117593E-05	0.452171E-07
NNI	NNW	0.261222E-05	0.135817E-06	0.138784E-05	0.539604E-07

0 AVERAGE X/Q HOUR OF THE DAY 1 2 3

'TIO	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	N	0.227342E-05	0.928438E-07	0.202107E-05	0.823195E-07	0.139345E-05	0.546285E-07
NNI	NNE	0.861497E-05	0.372792E-06	0.906888E-05	0.385001E-06	0.127715E-04	0.519790E-06
NE	NE	0.306889E-04	0.125303E-05	0.275938E-04	0.117672E-05	0.270259E-04	0.109076E-05
ENI	ENE	0.666133E-04	0.272647E-05	0.574149E-04	0.228754E-05	0.581999E-04	0.238088E-05
E	E	0.189058E-04	0.809637E-06	0.286211E-04	0.122973E-05	0.209184E-04	0.873095E-06
ESI	ESE	0.759086E-05	0.315705E-06	0.131322E-04	0.566355E-06	0.187470E-04	0.811550E-06
SE	SE	0.111990E-04	0.473950E-06	0.118517E-04	0.514112E-06	0.175170E-04	0.736545E-06
SSI	SSE	0.715732E-05	0.308389E-06	0.581978E-05	0.238883E-06	0.679849E-05	0.291835E-06
S	S	0.547015E-05	0.240747E-06	0.464375E-05	0.202863E-06	0.413270E-05	0.181450E-06
SSI	SSW	0.401010E-05	0.173516E-06	0.443670E-05	0.188026E-06	0.448992E-05	0.195686E-06
SW	SW	0.331402E-05	0.139335E-06	0.286820E-05	0.120970E-06	0.265121E-05	0.110111E-06
WSI	WSW	0.240384E-05	0.992501E-07	0.176796E-05	0.727685E-07	0.122937E-05	0.505179E-07
W	W	0.193802E-05	0.833092E-07	0.165730E-05	0.718110E-07	0.214733E-05	0.900653E-07
WNI	WNW	0.759755E-06	0.310432E-07	0.862930E-06	0.338345E-07	0.642678E-06	0.240337E-07
NW	NW	0.783880E-06	0.320303E-07	0.643117E-06	0.244917E-07	0.170697E-05	0.688393E-07
NNI	NNW	0.104033E-05	0.431829E-07	0.153259E-05	0.633091E-07	0.163721E-05	0.660915E-07

0 AVERAGE X/Q HOUR OF THE DAY 4 5 6

'TIO	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	N	0.223243E-05	0.925607E-07	0.259210E-05	0.106874E-06	0.276792E-05	0.117559E-06
NNI	NNE	0.936784E-05	0.392612E-06	0.661720E-05	0.284732E-06	0.612839E-05	0.249564E-06
NE	NE	0.261854E-04	0.108043E-05	0.271959E-04	0.111493E-05	0.280682E-04	0.116220E-05
ENI	ENE	0.641662E-04	0.262250E-05	0.579308E-04	0.240013E-05	0.485728E-04	0.198046E-05
E	E	0.211706E-04	0.912010E-06	0.226448E-04	0.953497E-06	0.294610E-04	0.124661E-05
ESI	ESE	0.152148E-04	0.651892E-06	0.109132E-04	0.482037E-06	0.127144E-04	0.536801E-06
SE	SE	0.753150E-05	0.321455E-06	0.160679E-04	0.675793E-06	0.124733E-04	0.526447E-06
SSI	SSE	0.858897E-05	0.349488E-06	0.589837E-05	0.247412E-06	0.639814E-05	0.278333E-06
S	S	0.436383E-05	0.180496E-06	0.614213E-05	0.260577E-06	0.548825E-05	0.221890E-06
SSI	SSW	0.421513E-05	0.186525E-06	0.415431E-05	0.170208E-06	0.306883E-05	0.131509E-06
SW	SW	0.508875E-05	0.208731E-06	0.399057E-05	0.168211E-06	0.446948E-05	0.186772E-06
WSI	WSW	0.124998E-05	0.511426E-07	0.928736E-06	0.358337E-07	0.134089E-05	0.530389E-07
W	W	0.289482E-05	0.126183E-06	0.730463E-06	0.273165E-07	0.376470E-06	0.140785E-07
WNI	WNW	0.396223E-06	0.148172E-07	0.998979E-06	0.416829E-07	0.315365E-06	0.117934E-07
NW	NW	0.891620E-06	0.333431E-07	0.134662E-05	0.524513E-07	0.181478E-05	0.734249E-07
NNI	NNW	0.573191E-06	0.233582E-07	0.118598E-05	0.486682E-07	0.174353E-05	0.717981E-07

0 AVERAGE X/Q HOUR OF THE DAY 7 8 9

'TIO	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	N	0.174455E-05	0.714085E-07	0.230040E-05	0.951513E-07	0.193503E-05	0.750732E-07
NNI	NNE	0.751475E-05	0.305435E-06	0.552998E-05	0.221130E-06	0.578369E-05	0.223521E-06
NE	NE	0.246162E-04	0.104062E-05	0.144904E-04	0.586304E-06	0.111399E-04	0.442815E-06

EN	ENE	0.406836E-04	0.166899E-05	0.315479E-04	0.126987E-05	0.128977E-04	0.502269E-06
E	E	0.299090E-04	0.122771E-05	0.262959E-04	0.106974E-05	0.184657E-04	0.740653E-06
ES	ESE	0.111649E-04	0.474123E-06	0.168210E-04	0.679535E-06	0.117618E-04	0.457738E-06
SE	SE	0.142644E-04	0.601921E-06	0.112421E-04	0.465480E-06	0.734212E-05	0.299025E-06
SS	SSE	0.614067E-05	0.264312E-06	0.625399E-05	0.263796E-06	0.869902E-05	0.344572E-06
S	S	0.697988E-05	0.291715E-06	0.656743E-05	0.273463E-06	0.466254E-05	0.184755E-06
SS	SSW	0.310240E-05	0.131896E-06	0.585876E-05	0.238442E-06	0.479315E-05	0.175634E-06
SW	SW	0.253746E-05	0.101132E-06	0.338289E-05	0.130776E-06	0.725767E-05	0.277327E-06
WS	WSW	0.292221E-05	0.119461E-06	0.226273E-05	0.884502E-07	0.355035E-05	0.145086E-06
W	W	0.901838E-06	0.337252E-07	0.677047E-06	0.258458E-07	0.154819E-05	0.594874E-07
WN	WNW	0.102950E-05	0.416603E-07	0.257302E-06	0.962210E-08	0.595015E-06	0.233238E-07
NW	NW	0.139345E-05	0.567027E-07	0.207520E-05	0.816235E-07	0.114468E-05	0.434601E-07
NN	NNW	0.111032E-05	0.455002E-07	0.147144E-05	0.577438E-07	0.134711E-05	0.456936E-07

0 AVERAGE X/Q HOUR OF THE DAY 10 11 12

CTIC	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	N	0.201594E-05	0.786849E-07	0.984473E-06	0.338789E-07	0.232987E-05	0.897973E-07
NN	NNE	0.585360E-05	0.217887E-06	0.453782E-05	0.167249E-06	0.335213E-05	0.125075E-06
NE	NE	0.434821E-05	0.160133E-06	0.428427E-05	0.159887E-06	0.334857E-05	0.121106E-06
EN	ENE	0.657027E-05	0.246917E-06	0.320838E-05	0.117033E-06	0.170959E-05	0.600865E-07
E	E	0.739641E-05	0.291548E-06	0.561916E-05	0.213217E-06	0.256812E-05	0.100038E-06
ES	ESE	0.924340E-05	0.375156E-06	0.542365E-05	0.205482E-06	0.308768E-05	0.102973E-06
SE	SE	0.932856E-05	0.374886E-06	0.560489E-05	0.207845E-06	0.432430E-05	0.161952E-06
SS	SSE	0.589502E-05	0.226386E-06	0.546796E-05	0.214233E-06	0.292308E-05	0.109232E-06
S	S	0.456521E-05	0.172557E-06	0.369324E-05	0.121263E-06	0.514574E-05	0.184272E-06
SS	SSW	0.720499E-05	0.282094E-06	0.558427E-05	0.201417E-06	0.484453E-05	0.174406E-06
SW	SW	0.715032E-05	0.258925E-06	0.569354E-05	0.199150E-06	0.535009E-05	0.175928E-06
WS	WSW	0.181091E-05	0.654792E-07	0.269020E-05	0.102333E-06	0.218622E-05	0.728888E-07
W	W	0.141526E-05	0.544833E-07	0.596624E-06	0.199925E-07	0.693928E-06	0.214952E-07
WN	WNW	0.142703E-05	0.555109E-07	0.999390E-06	0.338214E-07	0.139971E-05	0.484238E-07
NW	NW	0.112667E-05	0.420241E-07	0.186240E-05	0.654464E-07	0.961888E-06	0.337396E-07
NN	NNW	0.148424E-05	0.532420E-07	0.125949E-05	0.466407E-07	0.167204E-05	0.611421E-07

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 40

0 AVERAGE X/Q HOUR OF THE DAY 13 14 15

CTIC	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	N	0.878939E-06	0.315923E-07	0.837233E-06	0.246652E-07	0.233676E-05	0.849031E-07
NN	NNE	0.397442E-05	0.146535E-06	0.409834E-05	0.151359E-06	0.279567E-05	0.106196E-06
NE	NE	0.252251E-05	0.877936E-07	0.311069E-05	0.113925E-06	0.311464E-05	0.113981E-06
EN	ENE	0.254619E-05	0.100739E-06	0.181734E-05	0.648408E-07	0.117701E-05	0.417800E-07
E	E	0.311653E-05	0.112844E-06	0.125642E-05	0.500219E-07	0.173888E-05	0.667434E-07
ES	ESE	0.170768E-05	0.637562E-07	0.355863E-05	0.134608E-06	0.279714E-05	0.108394E-06
SE	SE	0.366782E-05	0.138622E-06	0.348306E-05	0.129824E-06	0.362884E-05	0.140251E-06
SS	SSE	0.336575E-05	0.120172E-06	0.397277E-05	0.145280E-06	0.196751E-05	0.665201E-07
S	S	0.374944E-05	0.130634E-06	0.377830E-05	0.134460E-06	0.526776E-05	0.192019E-06
SS	SSW	0.432059E-05	0.143351E-06	0.300214E-05	0.102125E-06	0.384982E-05	0.136367E-06
SW	SW	0.566684E-05	0.195340E-06	0.527927E-05	0.177206E-06	0.611704E-05	0.206856E-06
WS	WSW	0.275678E-05	0.909987E-07	0.323511E-05	0.103221E-06	0.317653E-05	0.104577E-06
W	W	0.912309E-06	0.299888E-07	0.132056E-05	0.443344E-07	0.149955E-05	0.499728E-07
WN	WNW	0.146904E-05	0.526046E-07	0.470717E-06	0.148549E-07	0.747239E-06	0.247317E-07
NW	NW	0.843038E-06	0.280323E-07	0.123779E-05	0.459208E-07	0.810390E-06	0.294257E-07
NN	NNW	0.151809E-05	0.546184E-07	0.116535E-05	0.426098E-07	0.105291E-05	0.370384E-07

0 AVERAGE X/Q HOUR OF THE DAY 16 17 18

CTIC	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	N	0.215146E-05	0.779783E-07	0.299209E-05	0.115018E-06	0.411979E-05	0.163002E-06
NN	NNE	0.309400E-05	0.112910E-06	0.389294E-05	0.147215E-06	0.745371E-05	0.302725E-06
NE	NE	0.382893E-05	0.150940E-06	0.396617E-05	0.154574E-06	0.907434E-05	0.384111E-06
EN	ENE	0.231940E-05	0.892995E-07	0.386652E-05	0.154926E-06	0.688847E-05	0.298432E-06
E	E	0.174905E-05	0.687535E-07	0.248232E-05	0.942590E-07	0.422248E-05	0.182457E-06
ES	ESE	0.392440E-05	0.157878E-06	0.202928E-05	0.808153E-07	0.447973E-05	0.186314E-06

SE	SE	0.549078E-05	0.203605E-06	0.459322E-05	0.183365E-06	0.506075E-05	0.209444E-06
SS	SSE	0.176378E-05	0.676810E-07	0.479572E-05	0.194494E-06	0.378128E-05	0.163110E-06
S	S	0.377770E-05	0.142777E-06	0.618767E-05	0.249390E-06	0.953017E-05	0.400110E-06
SS	SSW	0.463511E-05	0.168143E-06	0.774846E-05	0.300885E-06	0.757738E-05	0.315054E-06
SW	SW	0.593462E-05	0.198690E-06	0.571943E-05	0.206983E-06	0.611145E-05	0.243228E-06
WS	WSW	0.368345E-05	0.130759E-06	0.323974E-05	0.116981E-06	0.360500E-05	0.138896E-06
W	W	0.160440E-05	0.574540E-07	0.133747E-05	0.500162E-07	0.187085E-05	0.718395E-07
WN	WNW	0.142280E-05	0.523092E-07	0.732102E-06	0.273778E-07	0.568990E-06	0.212780E-07
NW	NW	0.881977E-06	0.320618E-07	0.145555E-05	0.544319E-07	0.205163E-05	0.820965E-07
NN	NNW	0.119847E-05	0.441308E-07	0.249004E-05	0.954485E-07	0.136171E-05	0.554269E-07

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 41

0 AVERAGE X/Q HOUR OF THE DAY 19 20 21

CTIO	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	N	0.560759E-05	0.240149E-06	0.366231E-05	0.152118E-06	0.252943E-05	0.108094E-06
NN	NNE	0.616163E-05	0.259890E-06	0.136159E-04	0.581826E-06	0.592833E-05	0.251698E-06
NE	NE	0.134884E-04	0.568010E-06	0.189034E-04	0.797585E-06	0.355152E-04	0.146703E-05
EN	ENE	0.226518E-04	0.924346E-06	0.349911E-04	0.145097E-05	0.539861E-04	0.222022E-05
E	E	0.946725E-05	0.397439E-06	0.178147E-04	0.753436E-06	0.201562E-04	0.868573E-06
ES	ESE	0.470784E-05	0.198180E-06	0.845248E-05	0.362657E-06	0.609732E-05	0.254436E-06
SE	SE	0.557306E-05	0.236396E-06	0.417456E-05	0.178520E-06	0.805620E-05	0.343154E-06
SS	SSE	0.595192E-05	0.255823E-06	0.549059E-05	0.236724E-06	0.493847E-05	0.214606E-06
S	S	0.861991E-05	0.372228E-06	0.123628E-04	0.536542E-06	0.571294E-05	0.248339E-06
SS	SSW	0.114663E-04	0.491788E-06	0.922355E-05	0.403656E-06	0.638562E-05	0.279094E-06
SW	SW	0.639468E-05	0.272451E-06	0.272712E-05	0.117037E-06	0.253297E-05	0.105060E-06
WS	WSW	0.354490E-05	0.143443E-06	0.216398E-05	0.893058E-07	0.175843E-05	0.728802E-07
W	W	0.110194E-05	0.412083E-07	0.171271E-05	0.679552E-07	0.162788E-05	0.631865E-07
WN	WNW	0.787663E-06	0.294555E-07	0.124612E-05	0.507918E-07	0.156544E-05	0.663747E-07
NW	NW	0.654926E-06	0.252820E-07	0.554367E-06	0.225579E-07	0.792548E-06	0.321855E-07
NN	NNW	0.225859E-05	0.915867E-07	0.753642E-06	0.281833E-07	0.147578E-05	0.588849E-07

0 AVERAGE X/Q HOUR OF THE DAY 22 23 24

CTIO	0DIRECTION	GROUND	ELEVATED	GROUND	ELEVATED	GROUND	ELEVATED
N	N	0.208734E-05	0.878369E-07	0.285581E-05	0.112606E-06	0.128106E-05	0.536390E-07
NN	NNE	0.982235E-05	0.418802E-06	0.874973E-05	0.366701E-06	0.716544E-05	0.292253E-06
NE	NE	0.250071E-04	0.994812E-06	0.199876E-04	0.814178E-06	0.288477E-04	0.119965E-05
EN	ENE	0.647714E-04	0.265021E-05	0.733217E-04	0.300180E-05	0.649427E-04	0.267337E-05
E	E	0.192796E-04	0.802708E-06	0.200951E-04	0.845691E-06	0.194043E-04	0.844763E-06
ES	ESE	0.595534E-05	0.246578E-06	0.265545E-05	0.111289E-06	0.124924E-04	0.537286E-06
SE	SE	0.927976E-05	0.390103E-06	0.667420E-05	0.279085E-06	0.675107E-05	0.291323E-06
SS	SSE	0.701661E-05	0.290304E-06	0.569195E-05	0.244595E-06	0.485408E-05	0.201496E-06
S	S	0.554869E-05	0.241394E-06	0.121548E-04	0.514904E-06	0.966405E-05	0.419514E-06
SS	SSW	0.683760E-05	0.298518E-06	0.467077E-05	0.203429E-06	0.621951E-05	0.269046E-06
SW	SW	0.301998E-05	0.128378E-06	0.356045E-05	0.148464E-06	0.325064E-05	0.134539E-06
WS	WSW	0.214250E-05	0.892316E-07	0.249060E-05	0.106066E-06	0.297004E-05	0.125303E-06
W	W	0.179809E-05	0.732677E-07	0.161864E-05	0.648107E-07	0.850229E-06	0.347892E-07
WN	WNW	0.106854E-05	0.427239E-07	0.764582E-06	0.302724E-07	0.549974E-06	0.228434E-07
NW	NW	0.835307E-06	0.332982E-07	0.105355E-05	0.422864E-07	0.129677E-05	0.498290E-07
NN	NNW	0.163924E-05	0.674300E-07	0.106956E-05	0.419518E-07	0.126700E-05	0.512421E-07

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 42

L PE 0TOTAL PERIOD OF RECORD 8760
L GO 0TOTAL GOOD HOURS 8676
S OF 0HOURS OF RANGE EXCLUSION HORIZONTAL 0 VERTICAL 0
S OF 0HOURS OF BAD DATA 84

EC-ENVR-1057
Page 449

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S OF   0HOURS OF SPEED EXCLUSION   HORIZONTAL      0 VERTICAL      0
S OF   0HOURS OF CALM                 0
ENT    0PERCENT CALM                 0.00
AGE    0AVERAGE WIND SPEED (MPH)     4.83
AGE    0AVERAGE RANGE (DEG)           359
AGE    0AVERAGE TEMPERATURE X10         1
CH 1   0BRANCH TECH USAGE 1,2,3      2349      4  6323
P,MC    ISTUP,MODE,IWOD      1       1       1
YEAI   1PPL YEAR 2003 DT 60-10A              8-NOV-04***                                                    PAGE      43
DOW    0 WINDOW LENGTH (HOURS) =      1
ND I   0GROUND RELEASE
CTI(   0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N          N     0.6014E-03  3 113 8  1  0.5442E-03  3121623  1  0.4190E-03  3 32621  2  0.3922E-03  3 427 6  1  0.3631E-03  3 412 6  1
NNE        NNE    0.1011E-02  3 416 7  1  0.8843E-03  312 1 3  1  0.7861E-03  3 42424  1  0.7517E-03  31222 2  2  0.7447E-03  3122920  1
NE         NE     0.1179E-02  3 82323  1  0.1088E-02  3 312 6  1  0.1002E-02  31222 1  1  0.8843E-03  3 210 9  7  0.8323E-03  3 62824  3
ENE        ENE    0.1088E-02  3 62924  3  0.1011E-02  3 31720  4  0.9433E-03  3 210 3 10  0.8843E-03  3 1 921  3  0.8323E-03  3 210 4 14
E          E      0.1088E-02  3103124  2  0.1011E-02  31222 8  2  0.1002E-02  31228 5  1  0.9433E-03  3 214 7  8  0.9021E-03  3 624 2  3
ESE        ESE    0.1088E-02  3 317 9  2  0.1011E-02  31025 8  1  0.9021E-03  3 727 4  1  0.8843E-03  3 82324  3  0.8323E-03  3112311  1
SE         SE     0.1179E-02  3 312 3  1  0.1011E-02  3 113 6  1  0.8843E-03  31021 7  1  0.8323E-03  3 31223  2  0.8201E-03  311 3 3  1
SSE        SSE    0.1088E-02  31222 9  1  0.8843E-03  3 317 4  1  0.8323E-03  3121710  1  0.7861E-03  3121624  1  0.7075E-03  3 32722  1
S          S      0.7517E-03  31223 3  1  0.7447E-03  3 1 923  1  0.6939E-03  3 21124  1  0.6443E-03  3 221 7  1  0.6431E-03  3 328 5  1
SSW        SSW    0.6443E-03  3 2 9 3  2  0.6014E-03  3 22024  1  0.5638E-03  3 322 4  1  0.5447E-03  3 1 6 7  1  0.5442E-03  3 824 2  1
SW         SW     0.4565E-03  3 1 6 4  1  0.4190E-03  31227 3  1  0.3891E-03  31227 4  1  0.3341E-03  3 415 1  1  0.3026E-03  3 9 419  1
WSW        WSW    0.5011E-03  3 42423  1  0.4539E-03  31219 9  1  0.3204E-03  3 1 4 2  2  0.2935E-03  3 1 513  1  0.2739E-03  3 1 514  1
W          W      0.1002E-02  3 221 4  1  0.6443E-03  31223 2  1  0.6052E-03  31012 3  1  0.5011E-03  3 531 1  1  0.3424E-03  3 43018  1
WNW        WNW    0.3026E-03  3 71821  1  0.2867E-03  312 8 7  1  0.2594E-03  3 1 4 5  1  0.2476E-03  3 12421  1  0.2368E-03  3 6 220  1
NW         NW     0.5136E-03  3 1 6 8  1  0.3026E-03  310 1 3  1  0.2867E-03  3 1 4 8  1  0.2568E-03  3 218 5  1  0.2283E-03  3 12812  1
NNW        NNW    0.4510E-03  3101222  1  0.3891E-03  3 612 6  1  0.3405E-03  3 327 3  1  0.3026E-03  3 2 117  1  0.2506E-03  312 5 1  1
ATE!   0ELEVATED RELEASE
CTI(   0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N          N     0.6370E-04  3121623  1  0.6126E-04  3 113 8  1  0.3995E-04  3 427 6  1  0.3675E-04  3 32721  1  0.3168E-04  3 922 4  1
NNE        NNE    0.1183E-03  3 416 7  1  0.1035E-03  312 1 3  1  0.9201E-04  3 42424  1  0.8717E-04  3122920  1  0.7887E-04  3 925 3  1
NE         NE     0.1380E-03  3 82323  1  0.1274E-03  3 312 6  1  0.1035E-03  3 210 9  7  0.1021E-03  31222 1  1  0.9742E-04  3 62824  3
ENE        ENE    0.1274E-03  3 62924  3  0.1183E-03  3 31720  4  0.1104E-03  3 210 3 10  0.1035E-03  3 1 921  3  0.9742E-04  3 210 4 14
E          E      0.1274E-03  3103124  2  0.1183E-03  31222 8  2  0.1104E-03  3 214 7  8  0.1035E-03  3 210 6  5  0.1021E-03  31228 5  1
ESE        ESE    0.1274E-03  3 317 9  2  0.1183E-03  31025 8  1  0.1035E-03  3 82324  3  0.9742E-04  3112311  1  0.9201E-04  3 416 8  1
SE         SE     0.1380E-03  3 312 3  1  0.1183E-03  3 113 6  1  0.1035E-03  31021 7  1  0.9742E-04  3 31223  2  0.9201E-04  3 214 5  2
SSE        SSE    0.1274E-03  31222 9  1  0.1035E-03  3 317 4  1  0.9742E-04  3121710  1  0.9201E-04  3121624  1  0.8281E-04  3 32722  1
S          S      0.8717E-04  3 1 923  1  0.7657E-04  31223 3  1  0.7528E-04  3 328 5  1  0.7201E-04  3 42823  1  0.7068E-04  3 21124  1
SSW        SSW    0.6563E-04  3 2 9 3  2  0.6370E-04  3 824 2  1  0.6126E-04  3 22024  1  0.5743E-04  3 322 4  1  0.5105E-04  3 31122  1
SW         SW     0.3403E-04  3 415 1  1  0.3009E-04  31227 3  1  0.2964E-04  31016 1  1  0.2794E-04  31227 4  1  0.2784E-04  3 6 2 1  2
WSW        WSW    0.5105E-04  3 42423  1  0.3260E-04  31219 9  1  0.2418E-04  3 429 9  1  0.2356E-04  3 223 7  1  0.2301E-04  3 1 4 2  2
W          W      0.1021E-03  3 221 4  1  0.6563E-04  31223 2  1  0.5105E-04  3 531 1  1  0.4346E-04  31012 3  1  0.1731E-04  3 43018  1
WNW        WNW    0.2173E-04  3 71821  1  0.2059E-04  312 8 7  1  0.1863E-04  3 1 4 5  1  0.1778E-04  3 12421  1  0.1701E-04  3 6 220  1
NW         NW     0.2596E-04  3 1 6 8  1  0.2173E-04  310 1 3  1  0.2059E-04  3 1 4 8  1  0.1664E-04  3 6 123  1  0.1630E-04  3 722 6  1
NNW        NNW    0.4594E-04  3101222  1  0.2794E-04  3 612 6  1  0.2552E-04  312 5 1  1  0.2445E-04  3 327 3  1  0.2173E-04  3 2 117  1
YEA!   1PPL YEAR 2003 DT 60-10A              8-NOV-04***                                                    PAGE      44
DOW    0 WINDOW LENGTH (HOURS) =      1
VAL     THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
ND :   0GROUND RELEASE
TS     0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
TS      COUNTS        8676        8676        8676        8676        8676        8676        8676        8676        8676        8676
3.      PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
TS     0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
TS      COUNTS        8676        8676        8676        8676        8671        8617        8534        8420        8368        8315
3.      PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9994E+00  0.9932E+00  0.9836E+00  0.9705E+00  0.9645E+00  0.9584E+00
TS     0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
TS      COUNTS        8211        8138        8102        8035        7980        7880        7612        7213        6821        5927
3.      PROB.   0.9464E+00  0.9380E+00  0.9338E+00  0.9261E+00  0.9198E+00  0.9083E+00  0.8774E+00  0.8314E+00  0.7862E+00  0.6831E+00
TS     0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
TS      COUNTS        5273        4131        3458        3014        2340        1916        1447        1211         786         464
```

.	PROB.	0.6078E+00	0.4761E+00	0.3986E+00	0.3474E+00	0.2697E+00	0.2208E+00	0.1668E+00	0.1396E+00	0.9059E-01	0.5348E-01
TS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
TS	COUNTS	218	66	23	0	0	0	0			
.	PROB.	0.2513E-01	0.7607E-02	0.2651E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			
ATED	0ELEVATED RELEASE										
TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8676	8676	8676	8676	8659	8532	8331	8177	8110	8066
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9980E+00	0.9834E+00	0.9602E+00	0.9425E+00	0.9348E+00	0.9297E+00
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	8024	7983	7906	7710	6757	5875	5338	4515	3949	3548
.	PROB.	0.9249E+00	0.9201E+00	0.9112E+00	0.8887E+00	0.7788E+00	0.6772E+00	0.6153E+00	0.5204E+00	0.4552E+00	0.4089E+00
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	2717	2109	1708	1500	1264	1089	815	569	356	144
.	PROB.	0.3132E+00	0.2431E+00	0.1969E+00	0.1729E+00	0.1457E+00	0.1255E+00	0.9394E-01	0.6558E-01	0.4103E-01	0.1660E-01
TS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
TS	COUNTS	62	2	0	0	0	0	0	0	0	0
.	PROB.	0.7146E-02	0.2305E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
TS	COUNTS	0	0	0	0	0	0	0			
.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04*** PAGE 45
DOW 0 WINDOW LENGTH (HOURS) = 2
ND R 0GROUND RELEASE

CTIO	0DIRECTION	SUM(X/Q)/N	MAX1 DATE	CT	SUM(X/Q)/N	MAX2 DATE	CT	SUM(X/Q)/N	MAX3 DATE	CT	SUM(X/Q)/N	MAX4 DATE	CT	SUM(X/Q)/N	MAX5 DATE	CT
N	N	0.3007E-03	3 113 7	2	0.2970E-03	3 427 6	1	0.2721E-03	3121622	2	0.2704E-03	3 42919	1	0.2570E-03	3 427 5	1
NNE	NNE	0.6152E-03	3 326 3	1	0.6132E-03	31222 2	1	0.5053E-03	3 416 6	2	0.4422E-03	312 1 2	2	0.3930E-03	3 42423	2
NE	NE	0.9372E-03	3 312 5	1	0.8843E-03	3 32421	1	0.8352E-03	3 312 4	1	0.8261E-03	3 312 6	1	0.8092E-03	3 62824	1
ENE	ENE	0.1088E-02	3 62924	1	0.9864E-03	3 62923	1	0.9215E-03	3 630 3	1	0.8878E-03	3103122	2	0.8878E-03	3 429 5	1
E	E	0.8878E-03	3 214 7	1	0.8647E-03	3 214 6	1	0.7980E-03	3 627 2	2	0.7938E-03	31222 5	1	0.7570E-03	3 727 2	1
ESE	ESE	0.8843E-03	3 82324	1	0.8449E-03	3 317 9	1	0.7530E-03	3112310	1	0.6919E-03	3 221 2	1	0.6451E-03	3 328 8	1
SE	SE	0.7559E-03	3 113 5	1	0.5895E-03	3 312 2	2	0.5053E-03	3 113 6	1	0.4824E-03	3 725 3	1	0.4609E-03	3 630 7	1
SSE	SSE	0.5442E-03	31222 8	2	0.4422E-03	3 317 3	2	0.4162E-03	31217 9	2	0.3985E-03	3 3 122	1	0.3930E-03	3121623	2
S	S	0.5617E-03	3 21123	1	0.4424E-03	3 210 1	2	0.4305E-03	3 2 924	1	0.4197E-03	3 212 4	1	0.4010E-03	3 925 7	1
SSW	SSW	0.5477E-03	3 2 9 2	1	0.3929E-03	3 41523	1	0.3222E-03	3 2 9 3	3	0.3007E-03	3 22023	2	0.2997E-03	3 71122	1
SW	SW	0.4041E-03	31227 3	1	0.2655E-03	3 6 2 1	1	0.2409E-03	312 8 5	1	0.2283E-03	3 1 6 3	2	0.2256E-03	3123119	1
WSW	WSW	0.2837E-03	3 1 513	1	0.2609E-03	3 1 512	1	0.2575E-03	3 1 4 1	1	0.2506E-03	3 42422	2	0.2270E-03	31219 8	2
W	W	0.5011E-03	3 221 3	2	0.3222E-03	31223 1	2	0.3026E-03	31012 2	2	0.2506E-03	3 53024	2	0.1712E-03	3 43017	2
WNW	WNW	0.1847E-03	3 12421	1	0.1642E-03	3 6 219	1	0.1513E-03	3 71820	2	0.1433E-03	312 8 6	2	0.1297E-03	3 1 4 4	2
NW	NW	0.2568E-03	3 1 6 7	2	0.2132E-03	3 1 4 8	1	0.1513E-03	310 1 2	2	0.1433E-03	3 1 4 7	1	0.1345E-03	310 221	1
NNW	NNW	0.2675E-03	3 327 2	1	0.2617E-03	3101222	1	0.2255E-03	3101221	1	0.1945E-03	3 612 5	2	0.1702E-03	3 327 3	1

ATED 0ELEVATED RELEASE

CTIO	0DIRECTION	SUM(X/Q)/N	MAX1 DATE	CT	SUM(X/Q)/N	MAX2 DATE	CT	SUM(X/Q)/N	MAX3 DATE	CT	SUM(X/Q)/N	MAX4 DATE	CT	SUM(X/Q)/N	MAX5 DATE	CT
N	N	0.3185E-04	3121622	2	0.3063E-04	3 113 7	2	0.2722E-04	3 427 6	1	0.2433E-04	3 427 5	1	0.1891E-04	3 42919	1
NNE	NNE	0.7201E-04	3 326 3	1	0.6246E-04	31222 2	1	0.5915E-04	3 416 6	2	0.5176E-04	312 1 2	2	0.4601E-04	3 42423	2
NE	NE	0.1097E-03	3 312 5	1	0.1035E-03	3 32421	1	0.9776E-04	3 312 4	1	0.9472E-04	3 62824	1	0.9241E-04	3 312 6	1
ENE	ENE	0.1274E-03	3 62924	1	0.1155E-03	3 62923	1	0.1079E-03	3 630 3	1	0.1039E-03	3103122	2	0.1039E-03	3 210 3	3
E	E	0.1039E-03	3 214 7	1	0.1012E-03	3 214 6	1	0.8802E-04	31222 5	1	0.8544E-04	3112119	1	0.8128E-04	3 627 2	2
ESE	ESE	0.1035E-03	3 82324	1	0.9433E-04	3 317 9	1	0.8815E-04	3112310	1	0.7094E-04	3 328 8	1	0.7048E-04	3 221 2	1
SE	SE	0.8467E-04	3 113 5	1	0.6901E-04	3 312 2	2	0.5915E-04	3 113 6	1	0.5176E-04	31021 6	2	0.4871E-04	3 31222	4
SSE	SSE	0.6370E-04	31222 8	2	0.5176E-04	3 317 3	2	0.4871E-04	31217 9	2	0.4601E-04	3121623	2	0.4141E-04	3 32721	2
S	S	0.5722E-04	3 21123	1	0.4705E-04	3 212 4	1	0.4506E-04	3 210 1	2	0.4498E-04	3 925 7	1	0.4385E-04	3 2 924	1
SSW	SSW	0.5579E-04	3 2 9 2	1	0.4002E-04	3 41523	1	0.3282E-04	3 2 9 3	3	0.3185E-04	3 824 1	2	0.3063E-04	3 22023	2
SW	SW	0.2901E-04	31227 3	1	0.2705E-04	3 6 2 1	1	0.2146E-04	3123119	1	0.1909E-04	3122119	1	0.1730E-04	312 8 5	1
WSW	WSW	0.2552E-04	3 42422	2	0.1849E-04	3 1 4 1	1	0.1630E-04	31219 8	2	0.1460E-04	3121224	1	0.1434E-04	3 1 513	1
W	W	0.5105E-04	3 221 3	2	0.3282E-04	31223 1	2	0.2552E-04	3 53024	2	0.2173E-04	31012 2	2	0.1013E-04	3 114 4	1
WNW	WNW	0.1325E-04	3 12421	1	0.1087E-04	3 71820	2	0.1081E-04	3 6 219	1	0.1029E-04	312 8 6	2	0.9313E-05	3 1 4 4	2
NW	NW	0.1531E-04	3 1 4 8	1	0.1298E-04	3 1 6 7	2	0.1087E-04	310 1 2	2	0.1029E-04	3 1 4 7	1	0.9332E-05	310 221	1
NNW	NNW	0.2448E-04	3101222	1	0.2297E-04	3101221	1	0.1921E-04	3 327 2	1	0.1397E-04	3 612 5	2	0.1276E-04	312 424	2

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04*** PAGE 46
DOW 0 WINDOW LENGTH (HOURS) = 2
VALU THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL

ND R	0GROUND RELEASE										
TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8676	8676	8676	8676	8676	8676	8676	8676	8676	8676
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	8676	8676	8676	8669	8608	8548	8485	8398	8349	8322
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.9992E+00	0.9922E+00	0.9852E+00	0.9780E+00	0.9680E+00	0.9623E+00	0.9592E+00
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	8252	8190	8112	7949	7771	7537	6830	6363	5587	4849
.	PROB.	0.9511E+00	0.9440E+00	0.9350E+00	0.9162E+00	0.8957E+00	0.8687E+00	0.7872E+00	0.7334E+00	0.6440E+00	0.5589E+00
TS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
TS	COUNTS	4216	3161	2447	2046	1532	1132	806	601	315	148
.	PROB.	0.4859E+00	0.3643E+00	0.2820E+00	0.2358E+00	0.1766E+00	0.1305E+00	0.9290E-01	0.6927E-01	0.3631E-01	0.1706E-01
TS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
TS	COUNTS	57	16	1	0	0	0	0			
.	PROB.	0.6570E-02	0.1844E-02	0.1153E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			
ATEI	0ELEVATED RELEASE										
TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8676	8676	8676	8676	8569	8439	8315	8255	8226	8196
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9877E+00	0.9727E+00	0.9584E+00	0.9515E+00	0.9481E+00	0.9447E+00
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	8165	8103	7729	7219	6121	5242	4602	3726	3253	2860
.	PROB.	0.9411E+00	0.9340E+00	0.8908E+00	0.8321E+00	0.7055E+00	0.6042E+00	0.5304E+00	0.4295E+00	0.3749E+00	0.3296E+00
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	2108	1655	1362	1090	846	677	393	232	133	41
.	PROB.	0.2430E+00	0.1908E+00	0.1570E+00	0.1256E+00	0.9751E-01	0.7803E-01	0.4530E-01	0.2674E-01	0.1533E-01	0.4726E-02
TS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
TS	COUNTS	16	0	0	0	0	0	0	0	0	0
.	PROB.	0.1844E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
TS	COUNTS	0	0	0	0	0	0	0			
.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

YEAI 1PPL YEAR 2003 DT 60-10A 8-NOV-04*** PAGE 47

IDOW 0 WINDOW LENGTH (HOURS) = 8

ND I 0GROUND RELEASE

CTI(	0DIRECTION	SUM(X/Q)/N	MAX1	DATE	CT	SUM(X/Q)/N	MAX2	DATE	CT	SUM(X/Q)/N	MAX3	DATE	CT	SUM(X/Q)/N	MAX4	DATE	CT	SUM(X/Q)/N	MAX5	DATE	CT
N	N	0.1199E-03	3	42624	4	0.1047E-03	3	427 4	1	0.1002E-03	3	61212	2	0.9468E-04	3	42623	1	0.9008E-04	3	427 5	1
NNE	NNE	0.1844E-03	3	926 2	1	0.1730E-03	3	926 3	1	0.1698E-03	3	926 1	1	0.1673E-03	3	1111120	1	0.1555E-03	3	92524	1
NE	NE	0.6369E-03	3	62821	2	0.5975E-03	3	62823	1	0.5484E-03	3	62820	1	0.5132E-03	3	62824	1	0.5021E-03	3	31124	3
ENE	ENE	0.7347E-03	3	62923	1	0.7224E-03	3	31720	1	0.6643E-03	3	62922	1	0.6331E-03	3	1031122	1	0.6242E-03	3	62924	1
E	E	0.5016E-03	3	72622	1	0.4434E-03	3	62621	1	0.4276E-03	3	214 1	3	0.4210E-03	3	72620	2	0.4131E-03	3	62623	2
ESE	ESE	0.3658E-03	3	82423	2	0.3135E-03	3	82422	1	0.2997E-03	3	317 3	1	0.2963E-03	3	82321	4	0.2853E-03	3	825 1	2
SE	SE	0.2360E-03	3	92923	3	0.2341E-03	3	113 2	4	0.2235E-03	3	7 522	1	0.2086E-03	3	2 821	3	0.2079E-03	3	1 520	2
SSE	SSE	0.1802E-03	3121619		1	0.1719E-03	31222	4	6	0.1658E-03	3	3 117	1	0.1650E-03	3121620		1	0.1488E-03	3121621		4
S	S	0.2854E-03	3	21122	1	0.2512E-03	3	21121	1	0.2453E-03	3	21123	1	0.2354E-03	3	2 919	3	0.2070E-03	3	2 922	2
SSW	SSW	0.1850E-03	3	2 820	1	0.1666E-03	3	2 821	1	0.1369E-03	3	2 822	5	0.1342E-03	3	31115	1	0.1289E-03	3	1 819	1
SW	SW	0.1282E-03	31227	3	1	0.1172E-03	31227	2	1	0.1083E-03	3	218 6	1	0.1072E-03	3	218 5	1	0.1051E-03	3122113		1
WSW	WSW	0.1052E-03	3122617		1	0.9946E-04	3	1 5 7	6	0.9875E-04	3122618		1	0.8995E-04	3122616		1	0.8962E-04	3122619		1
W	W	0.1253E-03	3	22021	8	0.8054E-04	3122219		8	0.7566E-04	3101120		8	0.6688E-04	3	92916	1	0.6264E-04	3	53018	8
WNW	WNW	0.8116E-04	3	1 410	1	0.7456E-04	3	1 412	1	0.6980E-04	3	1 4 8	2	0.6758E-04	3	1 4 5	1	0.6250E-04	312	724	1
NW	NW	0.9038E-04	3121515		1	0.8435E-04	3121516		1	0.8067E-04	3121514		1	0.7625E-04	3121517		1	0.6708E-04	3121518		1
NNW	NNW	0.8245E-04	3101219		4	0.8025E-04	31213	5	2	0.7400E-04	3	6 112	1	0.7325E-04	3	6 1 9	1	0.7225E-04	31213	4	1

ATE 0ELEVATED RELEASE

CTI	0DIRECTION	SUM(X/Q)/N	MAX1	DATE	CT	SUM(X/Q)/N	MAX2	DATE	CT	SUM(X/Q)/N	MAX3	DATE	CT	SUM(X/Q)/N	MAX4	DATE	CT	SUM(X/Q)/N	MAX5	DATE	CT
N	N	0.9683E-05	3	42624	4	0.8807E-05	3	427 4	1	0.7963E-05	3121616		8	0.7906E-05	3	427 5	1	0.7873E-05	3	42623	1
NNE	NNE	0.1800E-04	3	32521	7	0.1562E-04	3122120		7	0.1546E-04	3	32719	5	0.1479E-04	3	41524	8	0.1313E-04	3	91120	1
NE	NE	0.7455E-04	3	62821	2	0.6912E-04	3	62823	1	0.6420E-04	3	62820	1	0.5926E-04	3	62824	1	0.5638E-04	3	31124	3
ENE	ENE	0.8456E-04	3	31720	1	0.8415E-04	3	62923	1	0.7698E-04	3	62922	1	0.7411E-04	3103122		1	0.7205E-04	3	31519	2
E	E	0.5109E-04	3	72622	1	0.4842E-04	3	214 1	3	0.4671E-04	3112116		3	0.4517E-04	3	62621	1	0.4295E-04	3	214 4	1
ESE	ESE	0.3393E-04	3	317 3	1	0.3354E-04	3	82321	4	0.2869E-04	3	82423	2	0.2628E-04	3	317 2	1	0.2588E-04	3	82318	3
SE	SE	0.2576E-04	3	113 2	4	0.2329E-04	3102024		8	0.2117E-04	3	11223	3	0.2022E-04	3	2 821	3	0.1983E-04	3	7 522	1

SSE	SSE	0.1966E-04	3121619	1	0.1858E-04	3121620	1	0.1850E-04	31222 4	6	0.1742E-04	3121621	4	0.1593E-04	31222 2	2
S	S	0.2894E-04	3 21122	1	0.2607E-04	3 21123	1	0.2546E-04	3 21121	1	0.2192E-04	3 2 919	3	0.2060E-04	3 21124	1
SSW	SSW	0.1829E-04	3 2 820	1	0.1697E-04	3 2 821	1	0.1395E-04	3 2 822	5	0.1126E-04	3 31115	1	0.1114E-04	3 2 819	1
SW	SW	0.8948E-05	31227 3	1	0.8417E-05	31227 2	1	0.8294E-05	3 51122	1	0.7561E-05	3 51121	1	0.7340E-05	3 6 2 1	1
WSW	WSW	0.6973E-05	3122617	1	0.6692E-05	3122618	1	0.6381E-05	3 42416	8	0.6110E-05	3122619	1	0.5898E-05	3122616	1
W	W	0.1276E-04	3 22021	8	0.8204E-05	3122219	8	0.6381E-05	3 53018	8	0.5433E-05	3101120	8	0.3203E-05	3 92916	1
WNW	WNW	0.4558E-05	3 1 4 5	1	0.4484E-05	3 1 410	1	0.4113E-05	312 724	1	0.3916E-05	3 1 4 8	2	0.3856E-05	3 1 4 3	2
NW	NW	0.4708E-05	3121515	1	0.4493E-05	3 1 4 4	5	0.4441E-05	3121516	1	0.4109E-05	3121514	1	0.4099E-05	3121517	1
NNW	NNW	0.7341E-05	3101219	4	0.6119E-05	3101216	3	0.5743E-05	3101215	1	0.4802E-05	3 32620	7	0.4085E-05	31213 5	2

YEAI 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 48

DOW 0 WINDOW LENGTH (HOURS) = 8

VAIL THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL

ND I 0GROUND RELEASE

TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8676	8676	8676	8676	8676	8676	8676	8676	8676	8676
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	8676	8676	8676	8676	8663	8652	8638	8631	8625	8606
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9985E+00	0.9972E+00	0.9956E+00	0.9948E+00	0.9941E+00	0.9919E+00
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	8529	8382	8146	7788	7278	6787	5751	4816	4048	3241
.	PROB.	0.9831E+00	0.9661E+00	0.9389E+00	0.8976E+00	0.8389E+00	0.7823E+00	0.6629E+00	0.5551E+00	0.4666E+00	0.3736E+00
TS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
TS	COUNTS	2744	2039	1450	1100	692	447	298	188	54	12
.	PROB.	0.3163E+00	0.2350E+00	0.1671E+00	0.1268E+00	0.7976E-01	0.5152E-01	0.3435E-01	0.2167E-01	0.6224E-02	0.1383E-02
TS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
TS	COUNTS	2	0	0	0	0	0	0			
.	PROB.	0.2305E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

ATEI 0ELEVATED RELEASE

TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8676	8676	8676	8676	8651	8640	8633	8629	8616	8581
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9971E+00	0.9959E+00	0.9950E+00	0.9946E+00	0.9931E+00	0.9891E+00
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	8501	8292	7714	6939	5509	4542	3890	2993	2576	2299
.	PROB.	0.9798E+00	0.9557E+00	0.8891E+00	0.7998E+00	0.6350E+00	0.5235E+00	0.4484E+00	0.3450E+00	0.2969E+00	0.2650E+00
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	1597	1102	759	518	364	264	118	38	12	0
.	PROB.	0.1841E+00	0.1270E+00	0.8748E-01	0.5970E-01	0.4195E-01	0.3043E-01	0.1360E-01	0.4380E-02	0.1383E-02	0.0000E+00
TS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
TS	COUNTS	0	0	0	0	0	0	0	0	0	0
.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
TS	COUNTS	0	0	0	0	0	0	0			
.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

YEAI 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 49

DOW 0 WINDOW LENGTH (HOURS) = 16

ND I 0GROUND RELEASE

CTI(	0DIRECTION	SUM(X/Q)/N	MAX1	DATE	CT	SUM(X/Q)/N	MAX2	DATE	CT	SUM(X/Q)/N	MAX3	DATE	CT	SUM(X/Q)/N	MAX4	DATE	CT	SUM(X/Q)/N	MAX5	DATE	CT
N	N	0.3737E-04	3 330 5		1	0.3672E-04	3 427 2		2	0.3661E-04	3 9 1 8		2	0.3427E-04	3 42621		5	0.3385E-04	3 42616		5
NNE	NNE	0.6667E-04	3 9 111		1	0.6436E-04	3 92518		6	0.6138E-04	3 81117		1	0.6137E-04	3 9 112		2	0.6077E-04	3 32618		1
NE	NE	0.2014E-03	3 62815		8	0.1856E-03	3 62813		2	0.1743E-03	3 62823		1	0.1598E-03	3 62812		1	0.1497E-03	3 62824		1
ENE	ENE	0.2766E-03	3103017		2	0.2755E-03	3 31717		4	0.2740E-03	3122818		2	0.2673E-03	3111019		1	0.2642E-03	3103019		2
E	E	0.1477E-03	3 72614		9	0.1472E-03	3 62615		7	0.1408E-03	3112112		7	0.1401E-03	3 214 3		1	0.1375E-03	3 214 4		1
ESE	ESE	0.1125E-03	3 82415		10	0.9624E-04	3 82414		1	0.8882E-04	3 825 1		2	0.8755E-04	3 31619		9	0.8656E-04	3 82313		12
SE	SE	0.8374E-04	3102018		8	0.7347E-04	3 92915		11	0.7195E-04	3 1 520		2	0.6855E-04	3 11218		12	0.6748E-04	3 7 514		9
SSE	SSE	0.8332E-04	3121619		1	0.7871E-04	3121620		1	0.7366E-04	3121621		4	0.6920E-04	3122120		3	0.6652E-04	3121611		6
S	S	0.8451E-04	3 21114		9	0.7445E-04	3 21113		1	0.7204E-04	3 21123		1	0.7132E-04	3102014		5	0.7049E-04	3 2 911		11
SSW	SSW	0.5922E-04	3 2 812		8	0.5546E-04	3 2 820		1	0.5068E-04	3102616		3	0.4973E-04	3 2 821		1	0.4968E-04	31111 9		3
SW	SW	0.4661E-04	3 9 411		2	0.4368E-04	3 9 413		1	0.4238E-04	3122620		8	0.4090E-04	3 9 414		1	0.3978E-04	3122619		1
WSW	WSW	0.3178E-04	3 1 423		14	0.3036E-04	31226 9		6	0.2875E-04	3122615		3	0.2875E-04	3121821		5	0.2722E-04	3122618		1
W	W	0.3691E-04	3 22013		16	0.2437E-04	3 53010		5	0.2373E-04	3122211		16	0.2355E-04	3101112		16	0.2249E-04	3 53015		1

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WNW        WNW    0.3990E-04  3 1 4 4  2  0.3531E-04  3 1 4 7  4  0.3521E-04  3 1 4 2  2  0.3290E-04  3 1 4 6  1  0.3164E-04  3 1 324  2
NW         NW     0.2828E-04  31215 5  1  0.2814E-04  3102223  1  0.2801E-04  31215 6  1  0.2791E-04  31215 7  4  0.2669E-04  3 1 4 8  1
NNW        NNW    0.2873E-04  3 2 112  2  0.2759E-04  3 6 1 4  6  0.2688E-04  31120 4  2  0.2508E-04  31120 6  1  0.2480E-04  3 2 111  1
'ATEI   0ELEVATED RELEASE
:CTI(   0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N          N      0.1595E-05  3 427 2  2  0.1504E-05  3 42621  5  0.1497E-05  3 42616  5  0.1493E-05  3 330 5  1  0.1473E-05  3 9 1 8  2
NNE        NNE    0.2813E-05  3 9 111  1  0.2737E-05  3 92518  6  0.2631E-05  3 32618  1  0.2615E-05  3 9 112  2  0.2562E-05  3 92517  1
NE         NE     0.7347E-05  3 62815  8  0.6639E-05  3 62813  2  0.6377E-05  3 62823  1  0.5718E-05  3 62812  1  0.5668E-05  3 31116 11
ENE        ENE    0.1025E-04  3122818  2  0.9999E-05  3103017  2  0.9965E-05  3111019  1  0.9859E-05  3 31717  4  0.9480E-05  310 817  3
E          E      0.6613E-05  3 72614  9  0.6590E-05  3 62615  7  0.5847E-05  3 62613  2  0.5582E-05  3 91017  4  0.5551E-05  3 72612  2
ESE        ESE    0.4953E-05  3 82415 10  0.4239E-05  3 82414  1  0.3891E-05  3 825 1  2  0.3524E-05  3 82413  1  0.3331E-05  3 31619  9
SE         SE     0.3219E-05  3 92915 11  0.2996E-05  3102018  8  0.2991E-05  3 7 514  9  0.2893E-05  3 1 520  2  0.2765E-05  3 2 813 11
SSE        SSE    0.3059E-05  3121619  1  0.2857E-05  3121620  1  0.2636E-05  3121621  4  0.2566E-05  3121611  6  0.2566E-05  3122120  3
S          S      0.3586E-05  3 21114  9  0.3188E-05  3102014  5  0.3135E-05  3 21113  1  0.3135E-05  3 2 911 11  0.3040E-05  3 21123  1
SSW        SSW    0.2641E-05  3 2 812  8  0.2458E-05  3 2 820  1  0.2207E-05  3 2 821  1  0.2201E-05  3102616  3  0.2196E-05  31111 9  3
SW         SW     0.1920E-05  3 9 411  2  0.1819E-05  3122620  8  0.1811E-05  3 9 413  1  0.1721E-05  3122619  1  0.1707E-05  3 9 414  1
WSW        WSW    0.1310E-05  31226 9  6  0.1250E-05  3122615  3  0.1192E-05  3122618  1  0.1189E-05  3 1 423 14  0.1188E-05  3121821  5
W          W      0.1652E-05  3 22013 16  0.1062E-05  3122211 16  0.1047E-05  3 53010  5  0.1032E-05  3101112 16  0.9767E-06  3 53015  1
WNW        WNW    0.1599E-05  3 1 4 4  2  0.1424E-05  3 1 4 2  2  0.1363E-05  3 1 4 7  4  0.1290E-05  3 1 324  2  0.1273E-05  3 1 4 6  1
NW         NW     0.1161E-05  31215 5  1  0.1150E-05  31215 6  1  0.1145E-05  31215 7  4  0.1105E-05  3 1 4 8  1  0.1052E-05  3102223  1
NNW        NNW    0.1206E-05  3 2 112  2  0.1056E-05  3101211 12  0.1056E-05  31120 4  2  0.1034E-05  3 2 111  1  0.1032E-05  3 6 1 4  6
YEAI    1PPL YEAR 2003 DT 60-10A          8-NOV-04***                                                                    PAGE     50
IDOW    0 WINDOW LENGTH (HOURS) =     16
VALI     THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
IND I   0GROUND RELEASE
TS      0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
TS       COUNTS        8676        8676        8676        8676        8676        8676        8676        8676        8676        8676
I.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
TS      0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
TS       COUNTS        8676        8676        8676        8676        8676        8676        8675        8661        8610        8501
I.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9999E+00  0.9983E+00  0.9924E+00  0.9798E+00
TS      0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
TS       COUNTS        7882        7061        6137        5282        4511        3930        3146        2502        1928        1382
I.       PROB.   0.9085E+00  0.8139E+00  0.7074E+00  0.6088E+00  0.5199E+00  0.4530E+00  0.3626E+00  0.2884E+00  0.2222E+00  0.1593E+00
TS      0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
TS       COUNTS        1010         523         188         102          19           0           0           0           0           0
I.       PROB.   0.1164E+00  0.6028E-01  0.2167E-01  0.1176E-01  0.2190E-02  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
TS      0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
TS       COUNTS           0           0           0           0           0           0           0
I.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
'ATEI   0ELEVATED RELEASE
TS      0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
TS       COUNTS        8676        8676        8676        8676        8676        8676        8676        8673        8602        8196
I.       PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9997E+00  0.9915E+00  0.9447E+00
TS      0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
TS       COUNTS        7499        6165        4397        3306        1923        1107         639         141          36           2
I.       PROB.   0.8643E+00  0.7106E+00  0.5068E+00  0.3811E+00  0.2216E+00  0.1276E+00  0.7365E-01  0.1625E-01  0.4149E-02  0.2305E-03
TS      0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
TS       COUNTS           0           0           0           0           0           0           0           0           0           0
I.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
TS      0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
TS       COUNTS           0           0           0           0           0           0           0           0           0           0
I.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
TS      0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
TS       COUNTS           0           0           0           0           0           0           0
I.       PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
YEAI    1PPL YEAR 2003 DT 60-10A          8-NOV-04***                                                                    PAGE     51
IDOW    0 WINDOW LENGTH (HOURS) =     72
IND I   0GROUND RELEASE
:CTI(   0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
N          N      0.1386E-04  3 830 9 12  0.1365E-04  3 42418  1  0.1320E-04  3 42419  1  0.1319E-04  3 32721  1  0.1311E-04  3 42413  5
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NNE	NNE	0.3461E-04	3	325	3	25	0.3000E-04	3	32424	3	0.2963E-04	3	326	4	1	0.2907E-04	3	83123	6	0.2833E-04	3	911	6	6
NE	NE	0.6030E-04	3	62623	23		0.5978E-04	3	312	2	1	0.5884E-04	3	628	6	2	0.5658E-04	3	626	5	2	0.5649E-04	3	628	8	15
ENE	ENE	0.1565E-03	3	31515		6	0.1564E-03	3	315	9	6	0.1523E-03	3	315	8	1	0.1498E-03	3	31521		1	0.1482E-03	3	315	7	1
E	E	0.5595E-04	31119	4	16		0.5450E-04	31031	8	2	0.5378E-04	3	625	3	5	0.5359E-04	3111920			27	0.5339E-04	31031	2	4
ESE	ESE	0.4686E-04	3	822	7	21	0.4425E-04	3	823	4	21	0.4324E-04	3	822	6	1	0.3962E-04	3	822	5	1	0.3709E-04	3	824	1	1
SE	SE	0.3406E-04	3	7	4	7	14	0.3158E-04	3	7	4	5	2	0.2996E-04	3	7	421	6	0.2944E-04	3	7	4	4	1	0.2839E-04	3	72221	4
SSE	SSE	0.2475E-04	3121611			6	0.2377E-04	3121411			40	0.2292E-04	31216	4		7	0.2273E-04	31216	3		1	0.2250E-04	3121617			2
S	S	0.3756E-04	3	2	9	5	1	0.3659E-04	3	2	9	6	16	0.3463E-04	3	2	922	2	0.3298E-04	3	2	9	1	4	0.3186E-04	3	2	924	1
SSW	SSW	0.2377E-04	3102424			11	0.2373E-04	3	3	823		2	0.2330E-04	3102511			1	0.2326E-04	3	3	9	1	1	0.2324E-04	3	1	6	3	3
SW	SW	0.2086E-04	3122412			2	0.2048E-04	3122414			1	0.2028E-04	3122411			1	0.1999E-04	3122415			6	0.1955E-04	3122410			1
WSW	WSW	0.1250E-04	3	1	322		4	0.1190E-04	31224	1		15	0.1174E-04	3	32120		13	0.1152E-04	3	1	215		31	0.1149E-04	3122416			1
W	W	0.9660E-05	3	221	2	3	0.9459E-05	3	218	5	53	0.9192E-05	3	22024		2	0.8922E-05	3	22022		2	0.8874E-05	3	92624			29
WNW	WNW	0.1009E-04	3	1	123		55	0.9554E-05	3	1	122		1	0.8866E-05	3	1	120	2	0.8465E-05	3	1	4	9	2	0.7847E-05	3	1	4	6	3
NW	NW	0.1316E-04	3	1	4	8	1	0.1262E-04	3	1	4	7	1	0.1218E-04	3	1	324	7	0.1111E-04	3	1	3	9	15	0.1068E-04	3	1	4	9	1
NNW	NNW	0.1092E-04	3	12118			1	0.1078E-04	3	131	5		8	0.1055E-04	3	12119		1	0.1049E-04	3	12117			1	0.1016E-04	3	12111		6

ATED 0ELEVATED RELEASE

CTIO	0DIRECTION	SUM(X/Q)/N	MAX1	DATE	CT	SUM(X/Q)/N	MAX2	DATE	CT	SUM(X/Q)/N	MAX3	DATE	CT	SUM(X/Q)/N	MAX4	DATE	CT	SUM(X/Q)/N	MAX5	DATE	CT
N	N	0.5754E-06	3	42418	1	0.5583E-06	3	42419	1	0.5578E-06	3	830	9	12	0.5550E-06	3	42413	5	0.5535E-06	3	424 8 5
NNE	NNE	0.1379E-05	3	325 3	25	0.1219E-05	3	83123	6	0.1200E-05	3	326	4	1	0.1178E-05	3	911	6	6	0.1172E-05	3 32424 3
NE	NE	0.2406E-05	3	312 2	1	0.2269E-05	3	62623	23	0.2262E-05	3	8 7 1		2	0.2232E-05	3	31113	13	0.2228E-05	3	31111 2
ENE	ENE	0.5703E-05	310	722	1	0.5663E-05	310	723	1	0.5599E-05	310	724		1	0.5598E-05	3	31515	6	0.5596E-05	3	315 9 6
E	E	0.2390E-05	3	625 3	5	0.2282E-05	3	624 7	1	0.2269E-05	31031	8		2	0.2261E-05	3	625	8	13	0.2227E-05	3 724 6 2
ESE	ESE	0.1948E-05	3	822 7	21	0.1833E-05	3	823 4	21	0.1789E-05	3	822	6	1	0.1630E-05	3	822	5	1	0.1577E-05	3 824 1 1
SE	SE	0.1504E-05	3	7 4 7	14	0.1395E-05	3	7 4 5	2	0.1320E-05	3	7 421		6	0.1302E-05	3	7 4 4		1	0.1238E-05	3 72221 4
SSE	SSE	0.9319E-06	3121611		6	0.9101E-06	3121411		40	0.8654E-06	3	8 1 6		3	0.8642E-06	31216	3		1	0.8637E-06	31216 4 7
S	S	0.1617E-05	3	2 9 5	1	0.1574E-05	3	2 9 6	16	0.1488E-05	3	2 922		2	0.1453E-05	3	2 9 1		4	0.1366E-05	3 2 924 1
SSW	SSW	0.1038E-05	3	3 823	2	0.1018E-05	3	3 9 1	1	0.1008E-05	3102424			11	0.9906E-06	3102511			1	0.9828E-06	3 3 9 2 1
SW	SW	0.8363E-06	3122412			2	0.8196E-06	3122414			1	0.8147E-06	3122411			1	0.8014E-06	3122415			6	0.7874E-06	3122410			1
WSW	WSW	0.5022E-06	3	1 322		4	0.4836E-06	31224	1		15	0.4683E-06	3122416			1	0.4592E-06	3	1 215		31	0.4533E-06	3122417			1
W	W	0.4216E-06	3	221 2		3	0.4141E-06	3	218	5	53	0.4041E-06	3	22024		2	0.3940E-06	3	22022		2	0.3813E-06	3 22019 3
WNW	WNW	0.4012E-06	3	1 123		55	0.3811E-06	3	1 122		1	0.3554E-06	3	1 120		2	0.3260E-06	3	1 4 9		2	0.3164E-06	3 1 118 2
NW	NW	0.5225E-06	3	1 4 8		1	0.5024E-06	3	1 4 7		1	0.4860E-06	3	1 324		7	0.4391E-06	3	1 3 9		15	0.4139E-06	3 1 4 9 1
NNW	NNW	0.4373E-06	3	131 5		8	0.4142E-06	3	12118		1	0.4063E-06	3	13113		1	0.4035E-06	3	131 2		3	0.4005E-06	3 12119 1

YEAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 52

DOW 0 WINDOW LENGTH (HOURS) = 72

VALU THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL

ND R 0GROUND RELEASE

TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8676	8676	8676	8676	8676	8676	8676	8676	8676	8676
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	8676	8676	8676	8676	8676	8676	8667	8626	8480	8365
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9990E+00	0.9942E+00	0.9774E+00	0.9642E+00
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	7663	6766	5514	4505	3750	2864	1853	1266	873	555
.	PROB.	0.8832E+00	0.7799E+00	0.6355E+00	0.5192E+00	0.4322E+00	0.3301E+00	0.2136E+00	0.1459E+00	0.1006E+00	0.6397E-01
TS	0QUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
TS	COUNTS	268	71	0	0	0	0	0	0	0	0
.	PROB.	0.3089E-01	0.8183E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
TS	COUNTS	0	0	0	0	0	0	0			
.	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

ATED 0ELEVATED RELEASE

TS	0QUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
TS	COUNTS	8676	8676	8676	8676	8676	8676	8676	8667	8495	8130
.	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9990E+00	0.9791E+00	0.9371E+00
TS	0QUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
TS	COUNTS	7390	5820	3680	2016	714	256	59	0	0	0
.	PROB.	0.8518E+00	0.6708E+00	0.4242E+00	0.2324E+00	0.8230E-01	0.2951E-01	0.6800E-02	0.0000E+00	0.0000E+00	0.0000E+00
TS	0QUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
TS	COUNTS	0	0	0	0	0	0	0	0	0	0

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.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
TS      0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
TS       COUNTS          0           0           0           0           0           0           0           0           0           0
.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
TS      0QUANTS  0.7000E-03  0.8500E-03  0.1000E-02  0.1400E-02  0.2000E-02  0.3000E-02  0.4000E-02
TS       COUNTS          0           0           0           0           0           0           0
.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
YEA     1PPL YEAR 2003 DT 60-10A                 8-NOV-04***                                                                PAGE      53
DOW     0 WINDOW LENGTH (HOURS) =    624
ND I    0GROUND RELEASE
CTI(    0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N          N     0.4919E-05  3 41120 11  0.4711E-05  3 4 714 13  0.4700E-05  3 4 7 6  8  0.4624E-05  3 4 7 5  1  0.4579E-05  3 4 8 3 89
NNE        NNE    0.1346E-04  3 83119 10  0.1331E-04  3 83110  9  0.1329E-04  3 9 1 5  2  0.1319E-04  3 831 9  1  0.1315E-04  3 9 1 7  1
NE         NE     0.2650E-04  3 227 7  1  0.2636E-04  3 227 8  1  0.2625E-04  3 227 9  1  0.2622E-04  3 228 6  2  0.2618E-04  3 3 2 2  2
ENE        ENE    0.6282E-04  31030 4  2  0.6256E-04  31030 3  1  0.6243E-04  31030 6 13  0.6234E-04  31030 2  1  0.6211E-04  3103019  2
E           E     0.2843E-04  3 62210 12  0.2813E-04  3 622 6  4  0.2801E-04  3 62222  9  0.2759E-04  3 623 7 16  0.2752E-04  3 622 5  1
ESE        ESE    0.1590E-04  3 7 316  5  0.1575E-04  3 7 315  1  0.1569E-04  3 7 321  9  0.1561E-04  3 7 314  1  0.1552E-04  3 7 312  2
SE         SE     0.1352E-04  3 62921 11  0.1350E-04  3 613 2  3  0.1349E-04  3 7 1 8  6  0.1339E-04  3 7 114  1  0.1333E-04  3 613 5  2
SSE        SSE    0.8772E-05  312 6 3 88  0.8607E-05  312 919  1  0.8509E-05  312 920  1  0.8366E-05  312 524  2  0.8366E-05  3 1 1 1  1
S           S     0.1046E-04  3 2 3 3  7  0.1032E-04  3 2 310  1  0.1028E-04  3 2 317  2  0.1018E-04  3 2 315  1  0.1018E-04  3 2 316  1
SSW        SSW    0.9495E-05  3 21819  1  0.9463E-05  3 21820  6  0.9394E-05  3 21818  1  0.9377E-05  3 21812  6  0.9370E-05  3 22723 18
SW         SW     0.8631E-05  31218 1  1  0.8595E-05  3121724  1  0.8593E-05  31218 2  1  0.8574E-05  3121722  2  0.8558E-05  31218 3  1
WSW        WSW    0.5964E-05  3121713  1  0.5955E-05  3121716  1  0.5946E-05  31217 2 11  0.5907E-05  3121714  2  0.5903E-05  3121624  2
W           W     0.3409E-05  3 2 419 11  0.3373E-05  3 2 5 6  3  0.3371E-05  3 2 417  1  0.3344E-05  3 2 418  1  0.3326E-05  3 2 5 9  7
WNW        WNW    0.2556E-05  3122923127  0.2478E-05  3112422 18  0.2447E-05  312 923 36  0.2443E-05  3112516141  0.2435E-05  3122922  1
NW         NW     0.4167E-05  3 1 213 44  0.3934E-05  3123120 41  0.3881E-05  3 1 4 9  1  0.3858E-05  3123119  1  0.3781E-05  3122916 51
NNW        NNW    0.3925E-05  3 1 8 5 52  0.3860E-05  3 110 9  4  0.3859E-05  3 11223 22  0.3836E-05  3 1 8 2  3  0.3830E-05  3 1 7 4  1
ATE     0ELEVATED RELEASE
CTI(    0DIRECTION SUM(X/Q)/N MAX1 DATE CT SUM(X/Q)/N MAX2 DATE CT SUM(X/Q)/N MAX3 DATE CT SUM(X/Q)/N MAX4 DATE CT SUM(X/Q)/N MAX5 DATE CT
 N          N     0.2007E-06  3 41120 11  0.1907E-06  3 4 714 13  0.1905E-06  3 4 7 6  8  0.1877E-06  3 4 7 5  1  0.1858E-06  3 4 8 3 89
NNE        NNE    0.5543E-06  3 83119 10  0.5487E-06  3 83110  9  0.5466E-06  3 9 1 5  2  0.5442E-06  3 831 9  1  0.5416E-06  3 9 1 7  1
NE         NE     0.1066E-05  3 227 7  1  0.1061E-05  3 227 8  1  0.1057E-05  3 227 9  1  0.1053E-05  3 228 6  2  0.1051E-05  3 22710  1
ENE        ENE    0.2469E-05  31030 4  2  0.2458E-05  31030 3  1  0.2452E-05  31030 6 13  0.2448E-05  31030 2  1  0.2438E-05  3103019  2
E           E     0.1235E-05  3 62210 12  0.1221E-05  3 622 6  4  0.1216E-05  3 62222  9  0.1198E-05  3 623 7 16  0.1194E-05  3 622 5  1
ESE        ESE    0.6853E-06  3 7 316  5  0.6799E-06  3 7 315  1  0.6762E-06  3 7 321  9  0.6738E-06  3 7 314  1  0.6727E-06  3 7 122 27
SE         SE     0.5824E-06  3 62921 11  0.5811E-06  3 7 1 8  6  0.5796E-06  3 613 2  3  0.5772E-06  3 7 114  1  0.5731E-06  3 7 115  1
SSE        SSE    0.3423E-06  312 6 3 88  0.3351E-06  312 919  1  0.3349E-06  3 71212 14  0.3315E-06  312 920  1  0.3286E-06  3 711 5 31
S           S     0.4387E-06  3 2 3 3  7  0.4330E-06  3 2 317  2  0.4324E-06  3 2 310  1  0.4292E-06  3 2 316  1  0.4274E-06  3 2 315  1
SSW        SSW    0.3820E-06  3 21819  1  0.3817E-06  3 22723 18  0.3813E-06  3 22817  1  0.3807E-06  3 21820  6  0.3776E-06  3 21818  1
SW         SW     0.3436E-06  31218 1  1  0.3422E-06  31218 2  1  0.3416E-06  3121724  1  0.3409E-06  31218 3  1  0.3403E-06  3121722  2
WSW        WSW    0.2367E-06  3121713  1  0.2366E-06  31217 2 11  0.2358E-06  3121716  1  0.2350E-06  3121624  2  0.2340E-06  3121714  2
W           W     0.1317E-06  3 2 419 11  0.1303E-06  3 2 5 6  3  0.1303E-06  3 2 417  1  0.1293E-06  3 2 418  1  0.1286E-06  3 2 5 9  7
WNW        WNW    0.9858E-07  3112422 18  0.9832E-07  3112516141  0.9727E-07  312 113  1  0.9699E-07  3112317 29  0.9633E-07  312 923 36
NW         NW     0.1567E-06  3 1 213 44  0.1480E-06  3123120 41  0.1452E-06  3123119  1  0.1442E-06  3 1 4 9  1  0.1423E-06  3122916 51
NNW        NNW    0.1525E-06  3 1 8 5 52  0.1497E-06  3 110 9  4  0.1496E-06  3 11223 22  0.1486E-06  3 1 8 2  3  0.1484E-06  3 1 7 4  1
YEA     1PPL YEAR 2003 DT 60-10A                 8-NOV-04***                                                                PAGE      54
DOW     0 WINDOW LENGTH (HOURS) =    624
VALI     THE VALUE BELOW THE QUANT IS THE NUMBER OF TIME OR PROBABILITY THAT THE XQ WAS GT OR EQ THE QUANT LEVEL
ND I    0GROUND RELEASE
TS      0QUANTS  0.1000E-09  0.3500E-08  0.1000E-07  0.2500E-07  0.7000E-07  0.1000E-06  0.1500E-06  0.2200E-06  0.3200E-06  0.4800E-06
TS       COUNTS        8676        8676        8676        8676        8676        8676        8676        8676        8676        8676
.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01
TS      0QUANTS  0.7000E-06  0.1000E-05  0.1500E-05  0.2000E-05  0.3000E-05  0.4000E-05  0.5000E-05  0.7000E-05  0.8500E-05  0.1000E-04
TS       COUNTS        8676        8676        8676        8676        8676        8676        8676        8676        8676        8654
.        PROB.   0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.1000E+01  0.9975E+00
TS      0QUANTS  0.1500E-04  0.2000E-04  0.2500E-04  0.3000E-04  0.3500E-04  0.4000E-04  0.5000E-04  0.6000E-04  0.7000E-04  0.8500E-04
TS       COUNTS        8391        7080        6512        5338        3801        2481         519          30           0           0
.        PROB.   0.9672E+00  0.8160E+00  0.7506E+00  0.6153E+00  0.4381E+00  0.2860E+00  0.5982E-01  0.3458E-02  0.0000E+00  0.0000E+00
TS      0QUANTS  0.1000E-03  0.1300E-03  0.1700E-03  0.2000E-03  0.2500E-03  0.3000E-03  0.3500E-03  0.4000E-03  0.5000E-03  0.6000E-03
TS       COUNTS          0           0           0           0           0           0           0           0           0           0
.        PROB.   0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00  0.0000E+00
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'S	OQUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
'S	COUNTS	0	0	0	0	0	0	0			
	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			
ATED	OELEVATED RELEASE										
'S	OQUANTS	0.1000E-09	0.3500E-08	0.1000E-07	0.2500E-07	0.7000E-07	0.1000E-06	0.1500E-06	0.2200E-06	0.3200E-06	0.4800E-06
'S	COUNTS	8676	8676	8676	8676	8676	8676	8676	8676	8676	8583
	PROB.	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.1000E+01	0.9893E+00
'S	OQUANTS	0.7000E-06	0.1000E-05	0.1500E-05	0.2000E-05	0.3000E-05	0.4000E-05	0.5000E-05	0.7000E-05	0.8500E-05	0.1000E-04
'S	COUNTS	7794	6583	3532	379	0	0	0	0	0	0
	PROB.	0.8983E+00	0.7588E+00	0.4071E+00	0.4368E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
'S	OQUANTS	0.1500E-04	0.2000E-04	0.2500E-04	0.3000E-04	0.3500E-04	0.4000E-04	0.5000E-04	0.6000E-04	0.7000E-04	0.8500E-04
'S	COUNTS	0	0	0	0	0	0	0	0	0	0
	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
'S	OQUANTS	0.1000E-03	0.1300E-03	0.1700E-03	0.2000E-03	0.2500E-03	0.3000E-03	0.3500E-03	0.4000E-03	0.5000E-03	0.6000E-03
'S	COUNTS	0	0	0	0	0	0	0	0	0	0
	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
'S	OQUANTS	0.7000E-03	0.8500E-03	0.1000E-02	0.1400E-02	0.2000E-02	0.3000E-02	0.4000E-02			
'S	COUNTS	0	0	0	0	0	0	0			
	PROB.	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

JRN RETURN FROM PASS7

EAR 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 55

ND R OGROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

BILI PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

1

IZE	QUANTIZED																	
EL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
0E+0	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
0E-0	0.10E-09	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
5E-0	0.35E-08	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
0E-0	0.10E-07	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
5E-0	0.25E-07	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
0E-0	0.70E-07	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
0E-0	0.10E-06	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
5E-0	0.15E-06	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
2E-0	0.22E-06	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
2E-0	0.32E-06	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
8E-0	0.48E-06	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
0E-0	0.70E-06	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
0E-0	0.10E-05	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
5E-0	0.15E-05	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
0E-C	0.20E-05	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
0E-0	0.30E-05	0.0391	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1002	0.0619	0.0297	0.0214	0.0287	0.0348	0.9994
0E-0	0.40E-05	0.0390	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0682	0.0974	0.0605	0.0293	0.0213	0.0282	0.0340	0.9932
0E-0	0.50E-05	0.0384	0.0764	0.1089	0.1414	0.0673	0.0497	0.0612	0.0468	0.0599	0.0674	0.0960	0.0592	0.0289	0.0210	0.0277	0.0333	0.9836
0E-0	0.70E-05	0.0380	0.0750	0.1082	0.1413	0.0672	0.0496	0.0609	0.0464	0.0584	0.0656	0.0924	0.0575	0.0286	0.0205	0.0277	0.0331	0.9705
5E-C	0.85E-05	0.0380	0.0750	0.1081	0.1412	0.0671	0.0494	0.0609	0.0460	0.0580	0.0644	0.0908	0.0565	0.0285	0.0203	0.0277	0.0326	0.9645
0E-C	0.10E-04	0.0380	0.0749	0.1078	0.1411	0.0670	0.0493	0.0606	0.0455	0.0573	0.0629	0.0894	0.0559	0.0282	0.0202	0.0277	0.0325	0.9584
5E-C	0.15E-04	0.0376	0.0746	0.1073	0.1408	0.0665	0.0491	0.0605	0.0450	0.0566	0.0614	0.0867	0.0538	0.0277	0.0195	0.0273	0.0320	0.9464
0E-C	0.20E-04	0.0372	0.0742	0.1072	0.1406	0.0657	0.0490	0.0601	0.0446	0.0560	0.0605	0.0847	0.0524	0.0271	0.0194	0.0273	0.0319	0.9380
5E-C	0.25E-04	0.0370	0.0741	0.1066	0.1406	0.0655	0.0489	0.0601	0.0440	0.0560	0.0605	0.0838	0.0523	0.0267	0.0191	0.0270	0.0316	0.9338
0E-C	0.30E-04	0.0365	0.0739	0.1062	0.1405	0.0654	0.0489	0.0597	0.0439	0.0559	0.0601	0.0829	0.0503	0.0257	0.0188	0.0263	0.0314	0.9261
5E-C	0.35E-04	0.0364	0.0738	0.1062	0.1404	0.0652	0.0488	0.0594	0.0436	0.0559	0.0597	0.0816	0.0488	0.0254	0.0174	0.0260	0.0314	0.9198
0E-C	0.40E-04	0.0362	0.0728	0.1059	0.1398	0.0651	0.0486	0.0590	0.0435	0.0558	0.0595	0.0805	0.0453	0.0240	0.0164	0.0252	0.0307	0.9083
0E-C	0.50E-04	0.0348	0.0719	0.1057	0.1395	0.0648	0.0481	0.0584	0.0431	0.0557	0.0591	0.0751	0.0378	0.0210	0.0148	0.0216	0.0260	0.8774
0E-C	0.60E-04	0.0319	0.0710	0.1050	0.1389	0.0643	0.0473	0.0568	0.0422	0.0549	0.0581	0.0664	0.0312	0.0165	0.0111	0.0164	0.0195	0.8314
0E-C	0.70E-04	0.0289	0.0679	0.1030	0.1381	0.0634	0.0464	0.0552	0.0413	0.0529	0.0566	0.0566	0.0258	0.0130	0.0099	0.0126	0.0145	0.7862
5E-C	0.85E-04	0.0201	0.0561	0.0936	0.1357	0.0617	0.0424	0.0485	0.0380	0.0483	0.0500	0.0379	0.0179	0.0093	0.0071	0.0076	0.0089	0.6831
0E-C	0.10E-03	0.0154	0.0493	0.0858	0.1321	0.0602	0.0393	0.0420	0.0338	0.0438	0.0430	0.0267	0.0129	0.0063	0.0047	0.0054	0.0070	0.6078
3E-C	0.13E-03	0.0075	0.0320	0.0723	0.1269	0.0561	0.0340	0.0362	0.0265	0.0317	0.0258	0.0121	0.0060	0.0027	0.0020	0.0021	0.0023	0.4761

.7E-(	0.17E-03	0.0041	0.0217	0.0619	0.1229	0.0528	0.0302	0.0300	0.0209	0.0243	0.0158	0.0060	0.0029	0.0016	0.0009	0.0013	0.0014	0.3986
!0E-(	0.20E-03	0.0030	0.0151	0.0535	0.1168	0.0499	0.0271	0.0252	0.0176	0.0184	0.0112	0.0041	0.0017	0.0013	0.0007	0.0008	0.0009	0.3474
!5E-(	0.25E-03	0.0015	0.0084	0.0385	0.1037	0.0441	0.0216	0.0195	0.0123	0.0100	0.0054	0.0017	0.0009	0.0006	0.0003	0.0005	0.0006	0.2697
!0E-(	0.30E-03	0.0010	0.0045	0.0318	0.0927	0.0368	0.0173	0.0156	0.0083	0.0067	0.0038	0.0006	0.0005	0.0006	0.0001	0.0002	0.0005	0.2208
!5E-(	0.35E-03	0.0008	0.0027	0.0243	0.0732	0.0297	0.0128	0.0114	0.0052	0.0038	0.0015	0.0003	0.0002	0.0005	0.0000	0.0001	0.0002	0.1668
!0E-(	0.40E-03	0.0005	0.0021	0.0212	0.0622	0.0258	0.0113	0.0078	0.0038	0.0027	0.0010	0.0002	0.0002	0.0005	0.0000	0.0001	0.0001	0.1396
!0E-(	0.50E-03	0.0002	0.0013	0.0142	0.0411	0.0183	0.0068	0.0045	0.0014	0.0013	0.0008	0.0000	0.0001	0.0005	0.0000	0.0001	0.0000	0.0906
!0E-(	0.60E-03	0.0001	0.0010	0.0093	0.0225	0.0115	0.0035	0.0031	0.0009	0.0008	0.0003	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0535
!0E-(	0.70E-03	0.0000	0.0007	0.0051	0.0093	0.0055	0.0018	0.0017	0.0006	0.0002	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0251
!5E-(	0.85E-03	0.0000	0.0002	0.0012	0.0023	0.0024	0.0008	0.0003	0.0002	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0076
!0E-(	0.10E-02	0.0000	0.0001	0.0003	0.0008	0.0006	0.0003	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0027
!4E-(	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(	0.40E-02																	

YEA 1PPL YEAR 2003 DT 60-10A 8-NOV-04•••

/ATE 0ELEVATED RELEASE PAGE 56

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

ABIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

1

TIZ QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
)0E+(0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.0E-(0.10E-09	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
!5E-(0.35E-08	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
.0E-(0.10E-07	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
!5E-(0.25E-07	0.0392	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.1004	0.0621	0.0297	0.0214	0.0287	0.0348	1.0000
'0E-(0.70E-07	0.0390	0.0769	0.1096	0.1414	0.0673	0.0497	0.0620	0.0474	0.0610	0.0683	0.0996	0.0615	0.0297	0.0213	0.0287	0.0346	0.9980
.0E-(0.10E-06	0.0385	0.0764	0.1090	0.1414	0.0673	0.0497	0.0613	0.0469	0.0603	0.0677	0.0960	0.0587	0.0287	0.0210	0.0274	0.0331	0.9834
.5E-(0.15E-06	0.0377	0.0746	0.1080	0.1412	0.0670	0.0494	0.0607	0.0461	0.0579	0.0656	0.0900	0.0549	0.0280	0.0196	0.0273	0.0323	0.9602
!2E-(0.22E-06	0.0373	0.0743	0.1068	0.1410	0.0666	0.0490	0.0603	0.0448	0.0564	0.0619	0.0854	0.0530	0.0273	0.0191	0.0271	0.0320	0.9425
!2E-(0.32E-06	0.0371	0.0739	0.1064	0.1405	0.0657	0.0489	0.0598	0.0440	0.0560	0.0601	0.0846	0.0527	0.0272	0.0190	0.0271	0.0318	0.9348
!8E-(0.48E-06	0.0371	0.0737	0.1063	0.1397	0.0650	0.0482	0.0595	0.0437	0.0557	0.0595	0.0843	0.0523	0.0270	0.0190	0.0271	0.0318	0.9297
'0E-(0.70E-06	0.0365	0.0737	0.1060	0.1397	0.0649	0.0482	0.0595	0.0436	0.0554	0.0594	0.0829	0.0516	0.0266	0.0189	0.0266	0.0314	0.9249
.0E-(0.10E-05	0.0363	0.0728	0.1059	0.1397	0.0649	0.0482	0.0591	0.0435	0.0553	0.0591	0.0808	0.0513	0.0266	0.0188	0.0264	0.0314	0.9201
.5E-(0.15E-05	0.0361	0.0725	0.1056	0.1397	0.0649	0.0479	0.0587	0.0432	0.0553	0.0587	0.0799	0.0485	0.0255	0.0174	0.0260	0.0314	0.9112
!0E-(0.20E-05	0.0353	0.0724	0.1055	0.1391	0.0648	0.0479	0.0583	0.0430	0.0551	0.0581	0.0779	0.0416	0.0222	0.0152	0.0231	0.0292	0.8887
!0E-(0.30E-05	0.0286	0.0667	0.1025	0.1380	0.0633	0.0463	0.0549	0.0413	0.0522	0.0558	0.0551	0.0258	0.0124	0.0098	0.0121	0.0141	0.7788
!0E-(0.40E-05	0.0198	0.0551	0.0928	0.1353	0.0618	0.0428	0.0481	0.0377	0.0475	0.0496	0.0370	0.0182	0.0092	0.0066	0.0071	0.0086	0.6772
!0E-(0.50E-05	0.0160	0.0499	0.0868	0.1322	0.0604	0.0392	0.0421	0.0346	0.0441	0.0438	0.0279	0.0139	0.0066	0.0048	0.0055	0.0074	0.6153
'0E-(0.70E-05	0.0108	0.0379	0.0753	0.1285	0.0566	0.0353	0.0364	0.0288	0.0358	0.0340	0.0179	0.0081	0.0038	0.0027	0.0035	0.0051	0.5204
!5E-(0.85E-05	0.0075	0.0318	0.0688	0.1251	0.0542	0.0318	0.0324	0.0240	0.0299	0.0250	0.0106	0.0055	0.0025	0.0017	0.0022	0.0022	0.4552
.0E-(0.10E-04	0.0058	0.0250	0.0633	0.1215	0.0512	0.0290	0.0289	0.0219	0.0256	0.0189	0.0080	0.0043	0.0018	0.0010	0.0015	0.0013	0.4089
.5E-(0.15E-04	0.0024	0.0123	0.0485	0.1126	0.0446	0.0228	0.0226	0.0149	0.0146	0.0097	0.0037	0.0014	0.0010	0.0006	0.0006	0.0008	0.3132
!0E-(0.20E-04	0.0014	0.0066	0.0358	0.0989	0.0382	0.0182	0.0165	0.0100	0.0082	0.0053	0.0017	0.0007	0.0005	0.0002	0.0003	0.0006	0.2431
!5E-(0.25E-04	0.0013	0.0046	0.0303	0.0893	0.0302	0.0129	0.0118	0.0056	0.0059	0.0029	0.0009	0.0002	0.0005	0.0000	0.0001	0.0003	0.1969
!0E-(0.30E-04	0.0008	0.0030	0.0272	0.0823	0.0271	0.0114	0.0086	0.0046	0.0045	0.0023	0.0002	0.0002	0.0005	0.0000	0.0000	0.0001	0.1729
!5E-(0.35E-04	0.0005	0.0027	0.0236	0.0709	0.0229	0.0091	0.0066	0.0038	0.0033	0.0016	0.0000	0.0001	0.0005	0.0000	0.0000	0.0001	0.1457
!0E-(0.40E-04	0.0002	0.0021	0.0209	0.0604	0.0212	0.0084	0.0053	0.0030	0.0024	0.0009	0.0000	0.0001	0.0005	0.0000	0.0000	0.0001	0.1255
!0E-(0.50E-04	0.0002	0.0014	0.0152	0.0448	0.0175	0.0066	0.0043	0.0015	0.0013	0.0007	0.0000	0.0001	0.0003	0.0000	0.0000	0.0000	0.0939
!0E-(0.60E-04	0.0002	0.0012	0.0109	0.0322	0.0120	0.0035	0.0030	0.0009	0.0010	0.0005	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0656
'0E-(0.70E-04	0.0000	0.0010	0.0081	0.0190	0.0071	0.0025	0.0018	0.0007	0.0006	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0410
!5E-(0.85E-04	0.0000	0.0005	0.0036	0.0060	0.0038	0.0012	0.0009	0.0005	0.0001	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0166
.0E-(0.10E-03	0.0000	0.0002	0.0012	0.0023	0.0021	0.0007	0.0003	0.0002	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0071
.3E-(0.13E-03	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
.7E-(0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!5E-(0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
!0E-(0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5E-(	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.5E-(	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.0E-(	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4E-(	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
:0E-(	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.40E-02																	

YEA: 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 57

ND I 0GROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

.BIL: PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

2

TIZ: EL	QUANTIZED LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
0E+(	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.0E-(	0.10E-09	0.8249	0.8094	0.9175	0.9304	0.8850	0.8661	0.8700	0.6890	0.8948	0.9230	0.8889	0.8003	0.6928	0.0694	0.2161	0.7799	12.0573
5E-(	0.35E-08	0.0605	0.1199	0.1743	0.4243	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.8073
.0E-(	0.10E-07	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
:5E-(	0.25E-07	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
'0E-(	0.70E-07	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
.0E-(	0.10E-06	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
5E-(	0.15E-06	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
:2E-(	0.22E-06	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
2E-(	0.32E-06	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
8E-(	0.48E-06	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
'0E-(	0.70E-06	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
.0E-(	0.10E-05	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
.5E-(	0.15E-05	0.0604	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5881
:0E-(	0.20E-05	0.0603	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1448	0.0936	0.0477	0.0355	0.0438	0.0491	1.5844
0E-(	0.30E-05	0.0591	0.1178	0.1732	0.2049	0.1201	0.0868	0.1040	0.0815	0.1000	0.1113	0.1418	0.0913	0.0464	0.0345	0.0430	0.0481	1.5639
.0E-(	0.40E-05	0.0589	0.1173	0.1728	0.2047	0.1199	0.0867	0.1037	0.0808	0.0997	0.1092	0.1373	0.0893	0.0460	0.0339	0.0429	0.0474	1.5504
:0E-(	0.50E-05	0.0589	0.1172	0.1719	0.2046	0.1198	0.0866	0.1027	0.0796	0.0975	0.1067	0.1336	0.0879	0.0458	0.0338	0.0428	0.0470	1.5363
'0E-(	0.70E-05	0.0581	0.1165	0.1709	0.2042	0.1192	0.0861	0.1024	0.0792	0.0965	0.1044	0.1289	0.0849	0.0450	0.0331	0.0422	0.0464	1.5180
:5E-(	0.85E-05	0.0576	0.1163	0.1707	0.2039	0.1185	0.0860	0.1020	0.0785	0.0957	0.1030	0.1271	0.0836	0.0446	0.0326	0.0421	0.0456	1.5078
0E-(	0.10E-04	0.0573	0.1162	0.1706	0.2039	0.1178	0.0858	0.1019	0.0781	0.0953	0.1024	0.1261	0.0824	0.0441	0.0325	0.0421	0.0454	1.5018
.5E-(	0.15E-04	0.0566	0.1156	0.1699	0.2037	0.1172	0.0858	0.1013	0.0769	0.0950	0.1011	0.1236	0.0796	0.0428	0.0317	0.0406	0.0450	1.4862
:0E-(	0.20E-04	0.0559	0.1142	0.1692	0.2029	0.1165	0.0854	0.1005	0.0766	0.0949	0.1004	0.1213	0.0764	0.0411	0.0299	0.0394	0.0445	1.4691
:5E-(	0.25E-04	0.0549	0.1136	0.1689	0.2024	0.1162	0.0849	0.1002	0.0761	0.0946	0.1000	0.1185	0.0709	0.0378	0.0277	0.0364	0.0423	1.4454
:0E-(	0.30E-04	0.0527	0.1130	0.1683	0.2019	0.1161	0.0840	0.0988	0.0755	0.0937	0.0985	0.1127	0.0635	0.0326	0.0231	0.0322	0.0382	1.4047
:5E-(	0.35E-04	0.0503	0.1104	0.1676	0.2009	0.1155	0.0833	0.0976	0.0741	0.0919	0.0969	0.1063	0.0565	0.0286	0.0206	0.0287	0.0345	1.3636
:0E-(	0.40E-04	0.0462	0.1062	0.1637	0.1996	0.1149	0.0807	0.0937	0.0718	0.0902	0.0936	0.0985	0.0474	0.0250	0.0181	0.0259	0.0316	1.3072
:0E-(	0.50E-04	0.0369	0.0917	0.1517	0.1927	0.1109	0.0756	0.0832	0.0643	0.0814	0.0803	0.0748	0.0332	0.0176	0.0120	0.0173	0.0246	1.1482
:0E-(	0.60E-04	0.0317	0.0830	0.1448	0.1908	0.1070	0.0717	0.0793	0.0601	0.0768	0.0712	0.0613	0.0269	0.0129	0.0084	0.0131	0.0183	1.0572
'0E-(	0.70E-04	0.0241	0.0674	0.1323	0.1845	0.1019	0.0657	0.0716	0.0531	0.0634	0.0531	0.0421	0.0152	0.0074	0.0048	0.0070	0.0097	0.9034
:5E-(	0.85E-04	0.0149	0.0539	0.1169	0.1788	0.0983	0.0589	0.0621	0.0451	0.0531	0.0401	0.0235	0.0106	0.0050	0.0031	0.0050	0.0056	0.7749
.0E-(	0.10E-03	0.0104	0.0431	0.1028	0.1702	0.0929	0.0528	0.0518	0.0382	0.0415	0.0310	0.0154	0.0063	0.0036	0.0020	0.0031	0.0035	0.6685
.3E-(	0.13E-03	0.0033	0.0227	0.0766	0.1508	0.0786	0.0414	0.0386	0.0246	0.0207	0.0154	0.0055	0.0024	0.0017	0.0007	0.0008	0.0010	0.4850
.7E-(	0.17E-03	0.0022	0.0116	0.0588	0.1349	0.0624	0.0308	0.0266	0.0137	0.0115	0.0067	0.0016	0.0009	0.0012	0.0001	0.0003	0.0007	0.3640
:0E-(	0.20E-03	0.0013	0.0080	0.0482	0.1201	0.0511	0.0235	0.0180	0.0093	0.0073	0.0040	0.0008	0.0009	0.0009	0.0000	0.0003	0.0003	0.2940
:5E-(	0.25E-03	0.0008	0.0032	0.0324	0.0985	0.0376	0.0151	0.0112	0.0043	0.0043	0.0028	0.0002	0.0006	0.0009	0.0000	0.0002	0.0002	0.2123
:0E-(	0.30E-03	0.0002	0.0022	0.0212	0.0764	0.0255	0.0082	0.0080	0.0023	0.0027	0.0008	0.0001	0.0000	0.0007	0.0000	0.0000	0.0000	0.1482
:5E-(	0.35E-03	0.0000	0.0015	0.0139	0.0551	0.0152	0.0052	0.0047	0.0013	0.0016	0.0002	0.0001	0.0000	0.0002	0.0000	0.0000	0.0000	0.0991
:0E-(	0.40E-03	0.0000	0.0007	0.0090	0.0426	0.0120	0.0037	0.0021	0.0007	0.0007	0.0001	0.0001	0.0000	0.0002	0.0000	0.0000	0.0000	0.0719
:0E-(	0.50E-03	0.0000	0.0005	0.0047	0.0240	0.0050	0.0012	0.0005	0.0002	0.0001	0.0001	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0364
:0E-(	0.60E-03	0.0000	0.0002	0.0030	0.0113	0.0017	0.0007	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0171

0E-(	0.70E-03	0.0000	0.0000	0.0017	0.0036	0.0008	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0066
5E-(	0.85E-03	0.0000	0.0000	0.0002	0.0013	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018
.0E-(	0.10E-02	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
.4E-(	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.40E-02																	

YEA 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 58

ATE DELEVATED RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

BIL PROBABILITY THAT THE XQ IS GREATER THAN THE ADJACENT QUANT LEVEL

2

TIZ	QUANTIZED																	
EL	LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
0E+	0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.0E-	0.10E-09	0.0605	0.1199	0.4737	0.8013	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	2.4837
5E-(	0.35E-08	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
.0E-(	0.10E-07	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
5E-(	0.25E-07	0.0605	0.1199	0.1743	0.2052	0.1202	0.0870	0.1045	0.0823	0.1022	0.1140	0.1456	0.0947	0.0481	0.0356	0.0445	0.0496	1.5882
0E-(	0.70E-07	0.0586	0.1170	0.1729	0.2048	0.1200	0.0866	0.1036	0.0813	0.0998	0.1108	0.1388	0.0888	0.0458	0.0338	0.0424	0.0473	1.5520
.0E-(	0.10E-06	0.0580	0.1169	0.1715	0.2046	0.1193	0.0863	0.1024	0.0795	0.0973	0.1060	0.1315	0.0845	0.0448	0.0327	0.0418	0.0459	1.5231
.5E-(	0.15E-06	0.0571	0.1160	0.1702	0.2037	0.1183	0.0859	0.1014	0.0780	0.0953	0.1028	0.1261	0.0818	0.0443	0.0319	0.0416	0.0454	1.4998
2E-(	0.22E-06	0.0571	0.1150	0.1698	0.2025	0.1166	0.0849	0.1009	0.0768	0.0946	0.1007	0.1245	0.0815	0.0438	0.0318	0.0416	0.0453	1.4874
2E-(	0.32E-06	0.0568	0.1150	0.1695	0.2022	0.1163	0.0847	0.1009	0.0762	0.0941	0.0999	0.1234	0.0809	0.0436	0.0316	0.0413	0.0448	1.4812
8E-(	0.48E-06	0.0560	0.1142	0.1690	0.2022	0.1162	0.0846	0.1005	0.0760	0.0941	0.0997	0.1216	0.0796	0.0432	0.0314	0.0406	0.0448	1.4736
0E-(	0.70E-06	0.0554	0.1136	0.1686	0.2022	0.1162	0.0845	0.0999	0.0758	0.0939	0.0995	0.1198	0.0784	0.0424	0.0311	0.0401	0.0448	1.4663
.0E-(	0.10E-05	0.0550	0.1136	0.1682	0.2017	0.1160	0.0844	0.0995	0.0756	0.0937	0.0985	0.1179	0.0737	0.0393	0.0282	0.0378	0.0439	1.4470
.5E-(	0.15E-05	0.0499	0.1092	0.1671	0.2002	0.1153	0.0831	0.0966	0.0740	0.0908	0.0957	0.1051	0.0561	0.0281	0.0209	0.0284	0.0340	1.3544
0E-(	0.20E-05	0.0423	0.0982	0.1581	0.1974	0.1132	0.0791	0.0893	0.0694	0.0853	0.0883	0.0877	0.0424	0.0219	0.0148	0.0218	0.0279	1.2371
0E-(	0.30E-05	0.0303	0.0820	0.1436	0.1908	0.1071	0.0711	0.0787	0.0603	0.0763	0.0710	0.0554	0.0243	0.0111	0.0081	0.0108	0.0148	1.0356
0E-(	0.40E-05	0.0211	0.0667	0.1275	0.1828	0.1010	0.0630	0.0677	0.0505	0.0630	0.0550	0.0323	0.0157	0.0073	0.0047	0.0070	0.0080	0.8732
0E-(	0.50E-05	0.0150	0.0544	0.1155	0.1753	0.0946	0.0558	0.0573	0.0445	0.0521	0.0418	0.0216	0.0112	0.0045	0.0028	0.0041	0.0043	0.7547
0E-(	0.70E-05	0.0075	0.0347	0.0932	0.1645	0.0840	0.0461	0.0471	0.0322	0.0352	0.0267	0.0107	0.0047	0.0029	0.0013	0.0017	0.0024	0.5950
5E-(	0.85E-05	0.0047	0.0246	0.0805	0.1580	0.0801	0.0417	0.0403	0.0273	0.0250	0.0195	0.0061	0.0030	0.0020	0.0012	0.0008	0.0012	0.5159
.0E-(	0.10E-04	0.0033	0.0184	0.0715	0.1472	0.0720	0.0361	0.0333	0.0216	0.0181	0.0123	0.0043	0.0020	0.0010	0.0007	0.0007	0.0012	0.4436
.5E-(	0.15E-04	0.0016	0.0092	0.0542	0.1277	0.0524	0.0227	0.0183	0.0103	0.0101	0.0058	0.0009	0.0006	0.0009	0.0000	0.0001	0.0003	0.3152
0E-(	0.20E-04	0.0007	0.0045	0.0406	0.1092	0.0417	0.0173	0.0123	0.0068	0.0054	0.0029	0.0003	0.0002	0.0009	0.0000	0.0000	0.0002	0.2431
5E-(	0.25E-04	0.0006	0.0027	0.0303	0.0927	0.0341	0.0135	0.0096	0.0032	0.0036	0.0020	0.0002	0.0002	0.0007	0.0000	0.0000	0.0000	0.1933
0E-(	0.30E-04	0.0005	0.0022	0.0232	0.0784	0.0240	0.0078	0.0066	0.0020	0.0029	0.0012	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000	0.1490
5E-(	0.35E-04	0.0000	0.0020	0.0179	0.0601	0.0165	0.0056	0.0041	0.0015	0.0018	0.0002	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.1100
0E-(	0.40E-04	0.0000	0.0012	0.0127	0.0474	0.0130	0.0037	0.0029	0.0013	0.0009	0.0002	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0834
0E-(	0.50E-04	0.0000	0.0007	0.0062	0.0294	0.0071	0.0016	0.0007	0.0005	0.0001	0.0001	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0467
0E-(	0.60E-04	0.0000	0.0002	0.0039	0.0187	0.0024	0.0009	0.0003	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0267
0E-(	0.70E-04	0.0000	0.0001	0.0028	0.0106	0.0012	0.0006	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0153
5E-	0.85E-04	0.0000	0.0000	0.0010	0.0029	0.0005	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047
0E-	0.10E-03	0.0000	0.0000	0.0002	0.0013	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018
3E-	0.13E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7E-(	0.17E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.20E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-(	0.25E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.30E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-(	0.35E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.40E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.50E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.60E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.70E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5E-(	0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.0E-(	0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4E-(	0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

0E-(	0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(	0.40E-02																	

YEAI 1PPL YEAR 2003 DT 60-10A 8-NOV-04••• PAGE 59

ND I 0GROUND RELEASE

0 PROBABILITY VALUES FOR WINDOW LENGTH (HOURS)

BIL: PROBABILITY THAT THE XO IS GREATER THAN THE ADJACENT QUANT LEVEL

I 8

TI2: QUANTIZED EL LEVEL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTS
0E+(0.00E+00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	16.0000	
.0E-(0.10E-09	0.7352	0.8469	0.9114	0.9343	0.8130	0.7651	0.8299	0.6415	0.8564	0.8874	0.7000	0.3754	0.1270	0.0949	0.1406	0.1971	9.8562
5E-(0.35E-08	0.1512	0.2710	0.3876	0.5221	0.3435	0.2530	0.2825	0.2395	0.2755	0.2937	0.3239	0.2302	0.1270	0.0949	0.1110	0.1105	4.0171
.0E-(0.10E-07	0.1512	0.2710	0.3876	0.4204	0.3435	0.2530	0.2825	0.2395	0.2755	0.2937	0.3239	0.2302	0.1270	0.0949	0.1110	0.1105	3.9153
5E-(0.25E-07	0.1512	0.2710	0.3876	0.4204	0.3435	0.2530	0.2825	0.2395	0.2755	0.2937	0.3239	0.2302	0.1270	0.0949	0.1110	0.1105	3.9153
0E-(0.70E-07	0.1512	0.2710	0.3876	0.4204	0.3435	0.2530	0.2825	0.2395	0.2755	0.2937	0.3239	0.2302	0.1270	0.0949	0.1110	0.1105	3.9153
.0E-(0.10E-06	0.1512	0.2710	0.3876	0.4204	0.3435	0.2530	0.2825	0.2395	0.2755	0.2937	0.3239	0.2302	0.1270	0.0949	0.1110	0.1105	3.9153
.5E-(0.15E-06	0.1512	0.2710	0.3876	0.4204	0.3435	0.2530	0.2825	0.2395	0.2755	0.2937	0.3239	0.2302	0.1270	0.0949	0.1110	0.1105	3.9153
2E-(0.22E-06	0.1512	0.2710	0.3876	0.4204	0.3435	0.2530	0.2825	0.2395	0.2755	0.2937	0.3239	0.2302	0.1270	0.0949	0.1110	0.1105	3.9153
2E-(0.32E-06	0.1512	0.2710	0.3876	0.4204	0.3435	0.2530	0.2825	0.2395	0.2755	0.2937	0.3239	0.2302	0.1270	0.0949	0.1110	0.1105	3.9153
.8E-(0.48E-06	0.1511	0.2710	0.3876	0.4204	0.3435	0.2530	0.2825	0.2395	0.2755	0.2937	0.3235	0.2296	0.1268	0.0947	0.1101	0.1102	3.9126
0E-(0.70E-06	0.1497	0.2703	0.3870	0.4204	0.3434	0.2521	0.2817	0.2388	0.2739	0.2918	0.3219	0.2271	0.1243	0.0921	0.1088	0.1092	3.8923
.0E-(0.10E-05	0.1493	0.2696	0.3861	0.4197	0.3426	0.2521	0.2814	0.2379	0.2731	0.2892	0.3170	0.2230	0.1228	0.0901	0.1087	0.1086	3.8709
.5E-(0.15E-05	0.1487	0.2680	0.3853	0.4195	0.3424	0.2510	0.2796	0.2342	0.2692	0.2819	0.3084	0.2167	0.1191	0.0883	0.1068	0.1075	3.8269
0E-(0.20E-05	0.1471	0.2676	0.3852	0.4184	0.3404	0.2500	0.2785	0.2321	0.2658	0.2786	0.3007	0.2132	0.1179	0.0863	0.1066	0.1053	3.7938
0E-(0.30E-05	0.1450	0.2673	0.3845	0.4184	0.3385	0.2491	0.2781	0.2293	0.2643	0.2729	0.2933	0.2078	0.1169	0.0846	0.1050	0.1044	3.7595
0E-(0.40E-05	0.1443	0.2668	0.3843	0.4180	0.3371	0.2486	0.2759	0.2271	0.2634	0.2701	0.2900	0.2039	0.1148	0.0843	0.1027	0.1036	3.7349
0E-(0.50E-05	0.1440	0.2630	0.3830	0.4166	0.3352	0.2485	0.2744	0.2264	0.2634	0.2676	0.2871	0.1997	0.1130	0.0826	0.1007	0.1030	3.7083
0E-(0.70E-05	0.1415	0.2621	0.3825	0.4146	0.3341	0.2465	0.2736	0.2244	0.2622	0.2656	0.2809	0.1890	0.1049	0.0766	0.0942	0.0991	3.6520
5E-(0.85E-05	0.1388	0.2607	0.3823	0.4131	0.3340	0.2463	0.2703	0.2236	0.2599	0.2631	0.2721	0.1783	0.0982	0.0709	0.0876	0.0935	3.5928
.0E-(0.10E-04	0.1325	0.2580	0.3805	0.4118	0.3331	0.2447	0.2663	0.2200	0.2590	0.2591	0.2636	0.1612	0.0934	0.0654	0.0843	0.0898	3.5226
.5E-(0.15E-04	0.1104	0.2295	0.3685	0.3988	0.3182	0.2296	0.2499	0.2050	0.2362	0.2240	0.2182	0.1234	0.0635	0.0444	0.0632	0.0738	3.1565
0E-(0.20E-04	0.0822	0.2023	0.3447	0.3811	0.3014	0.2084	0.2304	0.1739	0.2017	0.1775	0.1622	0.0816	0.0436	0.0294	0.0459	0.0557	2.7219
5E-(0.25E-04	0.0663	0.1790	0.3192	0.3630	0.2850	0.1871	0.2052	0.1547	0.1676	0.1455	0.1337	0.0617	0.0300	0.0194	0.0311	0.0430	2.3912
0E-(0.30E-04	0.0551	0.1503	0.2910	0.3415	0.2629	0.1719	0.1844	0.1284	0.1391	0.1196	0.1068	0.0413	0.0220	0.0130	0.0203	0.0331	2.0808
5E-(0.35E-04	0.0399	0.1269	0.2695	0.3226	0.2322	0.1508	0.1623	0.1068	0.1092	0.1006	0.0780	0.0294	0.0152	0.0082	0.0153	0.0239	1.7908
0E-(0.40E-04	0.0324	0.1110	0.2532	0.3092	0.2152	0.1359	0.1405	0.0847	0.0893	0.0773	0.0573	0.0224	0.0114	0.0054	0.0096	0.0156	1.5704
0E-(0.50E-04	0.0178	0.0830	0.2125	0.2809	0.1804	0.1044	0.0972	0.0566	0.0609	0.0473	0.0340	0.0107	0.0059	0.0017	0.0045	0.0078	1.2055
0E-(0.60E-04	0.0100	0.0621	0.1749	0.2554	0.1513	0.0776	0.0719	0.0343	0.0410	0.0341	0.0191	0.0068	0.0041	0.0008	0.0029	0.0047	0.9512
0E-(0.70E-04	0.0041	0.0431	0.1480	0.2372	0.1263	0.0611	0.0539	0.0227	0.0275	0.0207	0.0086	0.0028	0.0028	0.0002	0.0005	0.0014	0.7611
5E-(0.85E-04	0.0010	0.0255	0.1102	0.2089	0.0934	0.0386	0.0372	0.0137	0.0148	0.0106	0.0031	0.0012	0.0009	0.0000	0.0001	0.0000	0.5591
.0E-(0.10E-03	0.0008	0.0134	0.0830	0.1914	0.0777	0.0269	0.0221	0.0097	0.0081	0.0061	0.0013	0.0001	0.0009	0.0000	0.0000	0.0000	0.4414
.3E-(0.13E-03	0.0000	0.0041	0.0499	0.1593	0.0447	0.0129	0.0105	0.0022	0.0031	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2877
.7E-(0.17E-03	0.0000	0.0002	0.0280	0.1204	0.0250	0.0063	0.0045	0.0008	0.0021	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1875
0E-(0.20E-03	0.0000	0.0000	0.0143	0.0981	0.0172	0.0029	0.0015	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1349
5E-(0.25E-03	0.0000	0.0000	0.0056	0.0686	0.0061	0.0013	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0818
0E-(0.30E-03	0.0000	0.0000	0.0035	0.0439	0.0045	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0522
5E-(0.35E-03	0.0000	0.0000	0.0021	0.0299	0.0022	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0343
0E-(0.40E-03	0.0000	0.0000	0.0015	0.0186	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0217
0E-(0.50E-03	0.0000	0.0000	0.0009	0.0052	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0062
0E-(0.60E-03	0.0000	0.0000	0.0002	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
0E-(0.70E-03	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
5E-(0.85E-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.0E-(0.10E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4E-(0.14E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(0.20E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(0.30E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(0.40E-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0E-(0.40E-02																	

Attachment G

PAVAN Calculation Results

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:OMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

JT O.OPRINTOUT OF INPUT CARDS

 0    1    00010 01100 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000
      2     COMPARISON CASE 2  5 YEARS OF DATA     GROUND LEVEL  no ter
      3     10.0 METER
 S    4    S:\PAVAN\JFT.DOC
      5     NONE
      6        13 43508     0     7     2    16
      7         0.500  2685.000    60.000    10.000    10.000
      8      0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      1.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  0.000  0.000  1.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  1.000  4.000  7.000  2.000  2.000  2.000  0.000  1.000  0.000  0.000  0.000  0.000  0.000
      9      2.000  3.000  7.000  8.000 26.000 12.000  6.000  6.000 10.000 12.000 10.000  4.000  1.000  1.000  0.000  1.000
      9      3.000  1.000 15.000 17.000  8.000  7.000 14.000 19.000 28.000 38.000 38.000  7.000  2.000  2.000  1.000  0.000
      9     11.000 28.000 45.000 11.000  4.000  8.000 33.000 36.000 62.000105.000177.000 29.000  4.000  6.000  0.000  1.000
      9     28.000 58.000 23.000  4.000  1.000  6.000 20.000 14.000 63.000 88.000261.000125.000 48.000 12.000  6.000 12.000
      9      4.000  4.000  0.000  0.000  0.000  0.000  0.000  1.000  1.000  4.000 28.000 35.000  5.000  0.000  3.000  4.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  1.000  2.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      1.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  1.000  9.000  4.000  2.000  0.000  2.000  1.000  0.000  1.000  0.000  0.000  0.000  0.000
      9      1.000  3.000 12.000 24.000 15.000 11.000 10.000  4.000 11.000 11.000  4.000  1.000  0.000  0.000  0.000  0.000
      9      5.000 20.000 16.000 13.000  7.000 14.000 11.000 11.000 14.000 39.000 36.000  7.000  1.000  1.000  1.000  4.000
      9      9.000 47.000 46.000 10.000 10.000  5.000 16.000 11.000 38.000 55.000105.000 23.000  8.000  1.000  5.000  8.000
      9     42.000 34.000 24.000  2.000  3.000  5.000 11.000  6.000 21.000 28.000175.000100.000 34.000 18.000 10.000 19.000
      9      8.000  3.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  3.000 31.000 43.000  4.000  1.000  2.000  3.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  4.000  2.000  0.000  0.000  0.000  2.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  1.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  0.000  1.000  1.000  0.000  1.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  1.000  0.000  2.000  7.000  6.000  7.000  4.000  4.000  1.000  1.000  1.000  0.000  0.000  1.000  0.000
      9      3.000  8.000 12.000 25.000 19.000 15.000  9.000 12.000 26.000 24.000 18.000  3.000  8.000  0.000  0.000  1.000
      9      7.000 21.000 24.000 20.000  8.000 16.000 17.000 18.000 28.000 35.000 43.000 11.000  7.000  2.000  3.000  1.000
      9     23.000 52.000 45.000 14.000  8.000 10.000 13.000 21.000 50.000 76.000146.000 38.000  7.000 14.000  9.000 19.000
      9     73.000 59.000 20.000  4.000  3.000  3.000 11.000 12.000 28.000 17.000186.000139.000 51.000 31.000 30.000 31.000
      9      6.000  6.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  2.000 37.000 61.000 21.000  1.000  4.000 16.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  1.000  7.000  1.000  0.000  0.000  2.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
      9      2.000  1.000  9.000  8.000 10.000 15.000  7.000 10.000  3.000  0.000  1.000  0.000  0.000  0.000  1.000  0.000
      9      7.000 16.000 33.000 51.000 85.000 67.000 53.000 38.000 26.000 15.000  8.000  3.000  1.000  2.000  2.000  4.000
      9     23.000 64.000119.000130.000158.000144.000110.000 74.000 84.000 54.000 29.000 15.000  6.000  4.000 11.000  8.000
      9     74.000214.000276.000219.000202.000144.000219.000163.000210.000220.000193.000 87.000 38.000 23.000 31.000 33.000
 1    9    119.000267.000281.000153.000124.000117.000169.000158.000204.000242.000242.000132.000 80.000 49.000 45.000 52.000
 4    9    433.000519.000418.000158.000119.000146.000200.000179.000257.000368.000594.000254.000196.000157.000225.000268.000
 7    9    716.000324.000164.000 54.000 32.000 58.000121.000 89.000106.000139.000864.000627.000396.000314.000632.000752.000
      9     98.000 15.000  6.000  3.000  5.000  7.000 14.000  9.000  7.000  2.000170.000425.000172.000108.000178.000280.000
      9      0.000  0.000  0.000  0.000  0.000  3.000  1.000  1.000  0.000  0.000  7.000 90.000 35.000 19.000  6.000  8.000
      9      0.000  0.000  0.000  0.000  0.000  1.000  0.000  0.000  0.000  0.000  0.000  1.000  0.000  0.000  0.000  0.000
      9      0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000
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EC-ENVR-1057
Page 463

	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	1.000	3.000	13.000	20.000	41.000	45.000	37.000	19.000	10.000	3.000	2.000	0.000	2.000	0.000	1.000	0.000
	9	14.000	33.000	124.000	279.000	378.000	265.000	201.000	109.000	75.000	42.000	14.000	4.000	1.000	2.000	2.000	5.000
	9	28.000	112.000	289.000	467.000	361.000	207.000	229.000	183.000	216.000	126.000	39.000	12.000	9.000	7.000	4.000	6.000
	9	90.000	324.000	551.000	493.000	154.000	99.000	152.000	213.000	413.000	397.000	188.000	64.000	36.000	16.000	19.000	21.000
1	9	138.000	269.000	197.000	87.000	33.000	30.000	48.000	95.000	193.000	334.000	209.000	80.000	33.000	23.000	42.000	41.000
1	9	144.000	254.000	159.000	29.000	29.000	24.000	50.000	63.000	151.000	309.000	343.000	83.000	37.000	34.000	87.000	116.000
	9	53.000	79.000	54.000	7.000	5.000	8.000	23.000	40.000	49.000	84.000	210.000	61.000	19.000	13.000	24.000	35.000
	9	2.000	1.000	0.000	3.000	0.000	5.000	10.000	6.000	18.000	4.000	10.000	14.000	4.000	0.000	2.000	2.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	4.000	0.000	0.000	0.000	1.000	3.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	1.000	5.000	13.000	21.000	44.000	23.000	14.000	8.000	2.000	1.000	1.000	0.000	2.000	1.000	0.000	1.000
	9	5.000	21.000	92.000	361.000	371.000	160.000	82.000	32.000	29.000	16.000	4.000	0.000	2.000	0.000	0.000	0.000
	9	6.000	34.000	198.000	806.000	356.000	122.000	82.000	78.000	78.000	24.000	15.000	5.000	3.000	0.000	2.000	3.000
	9	25.000	66.000	257.000	994.000	149.000	15.000	25.000	49.000	121.000	81.000	38.000	6.000	5.000	2.000	1.000	2.000
	9	11.000	32.000	50.000	149.000	9.000	0.000	2.000	6.000	14.000	37.000	21.000	4.000	0.000	2.000	1.000	5.000
	9	5.000	9.000	1.000	6.000	0.000	0.000	0.000	1.000	1.000	4.000	19.000	3.000	1.000	1.000	2.000	2.000
	9	2.000	1.000	1.000	0.000	0.000	0.000	0.000	0.000	1.000	1.000	2.000	1.000	0.000	0.000	1.000	2.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	1.000	1.000	2.000	8.000	13.000	4.000	3.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	2.000	16.000	71.000	167.000	120.000	63.000	31.000	14.000	5.000	2.000	2.000	1.000	0.000	0.000	1.000	2.000
	9	2.000	17.000	168.000	690.000	219.000	55.000	35.000	23.000	12.000	8.000	3.000	0.000	0.000	0.000	0.000	0.000
	9	3.000	17.000	162.000	*******102.000		9.000	12.000	15.000	17.000	7.000	1.000	0.000	0.000	0.000	0.000	1.000
	9	1.000	3.000	19.000	186.000	3.000	0.000	2.000	3.000	0.000	5.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	1.000	1.000	4.000	0.000	0.000	1.000	0.000	0.000	1.000	1.000	0.000	1.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	10	-1.	0.220	0.500	0.750	1.000	1.500	2.000	3.000	5.000	7.000	10.000	13.000	18.000	99.000	0.000	
	11	549.	549.	549.	549.	549.	549.	549.	549.	549.	549.	549.	549.	549.	549.	549.	549.
	11	4827.	4827.	4827.	4827.	4827.	4827.	4827.	4827.	4827.	4827.	4827.	4827.	4827.	4827.	4827.	4827.

COMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
F RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS: COMMENTS: NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
FREQ OJOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS A
PEED WIND SPEED (M/S)

RELE	TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.2	0.22	0.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.5	0.50	0.50	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
0.7	0.75	0.75	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
1.0	1.00	1.00	0.000	0.000	0.000	0.002	0.009	0.016	0.005	0.005	0.005	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.044
1.5	1.50	1.50	0.005	0.007	0.016	0.018	0.060	0.028	0.014	0.014	0.023	0.028	0.023	0.009	0.002	0.002	0.000	0.002	0.251
2.0	2.00	2.00	0.007	0.002	0.034	0.039	0.018	0.016	0.032	0.044	0.064	0.087	0.087	0.016	0.005	0.005	0.002	0.000	0.460
3.0	3.00	3.00	0.025	0.064	0.103	0.025	0.009	0.018	0.076	0.083	0.143	0.241	0.407	0.067	0.009	0.014	0.000	0.002	1.287
5.0	5.00	5.00	0.064	0.133	0.053	0.009	0.002	0.014	0.046	0.032	0.145	0.202	0.600	0.287	0.110	0.028	0.014	0.028	1.767

7.0	7.00	7.00	0.009	0.009	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.009	0.064	0.080	0.011	0.000	0.007	0.009	0.205
0.0	10.00	10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.005	0.000	0.000	0.000	0.000	0.007
.3.0	13.00	13.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8.0	18.00	18.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9.0	99.00	99.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL		0.11	0.22	0.21	0.09	0.10	0.09	0.17	0.18	0.38	0.57	1.19	0.46	0.14	0.05	0.02	0.04	4.02

'REQ'OJOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS B

'EED	WIND SPEED (M/S)																		
'ELE.	TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.2	0.22	0.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.5	0.50	0.50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.7	0.75	0.75	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
1.0	1.00	1.00	0.000	0.000	0.000	0.002	0.021	0.009	0.005	0.000	0.005	0.002	0.000	0.002	0.000	0.000	0.000	0.000	0.046
1.5	1.50	1.50	0.002	0.007	0.028	0.055	0.034	0.025	0.023	0.009	0.025	0.025	0.009	0.002	0.000	0.000	0.000	0.000	0.246
2.0	2.00	2.00	0.011	0.046	0.037	0.030	0.016	0.032	0.025	0.025	0.032	0.090	0.083	0.016	0.002	0.002	0.002	0.009	0.460
3.0	3.00	3.00	0.021	0.108	0.106	0.023	0.023	0.011	0.037	0.025	0.087	0.126	0.241	0.053	0.018	0.002	0.011	0.018	0.912
5.0	5.00	5.00	0.097	0.078	0.055	0.005	0.007	0.011	0.025	0.014	0.048	0.064	0.402	0.230	0.078	0.041	0.023	0.044	1.223
7.0	7.00	7.00	0.018	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.071	0.099	0.009	0.002	0.005	0.007	0.225
.0.0	10.00	10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.005	0.000	0.000	0.000	0.005	0.018
.3.0	13.00	13.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
.8.0	18.00	18.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9.0	99.00	99.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL		0.15	0.25	0.23	0.11	0.10	0.09	0.11	0.07	0.20	0.31	0.82	0.41	0.11	0.05	0.04	0.08	3.13

'REQ'OJOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS C

'EED	WIND SPEED (M/S)																		
'ELE.	TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.2	0.22	0.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.5	0.50	0.50	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
0.7	0.75	0.75	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007
1.0	1.00	1.00	0.000	0.002	0.000	0.005	0.016	0.014	0.016	0.009	0.009	0.002	0.002	0.002	0.000	0.000	0.002	0.000	0.080
1.5	1.50	1.50	0.007	0.018	0.028	0.057	0.044	0.034	0.021	0.028	0.060	0.055	0.041	0.007	0.018	0.000	0.000	0.002	0.421
2.0	2.00	2.00	0.016	0.048	0.055	0.046	0.018	0.037	0.039	0.041	0.064	0.080	0.099	0.025	0.016	0.005	0.007	0.002	0.600
3.0	3.00	3.00	0.053	0.120	0.103	0.032	0.018	0.023	0.030	0.048	0.115	0.175	0.336	0.087	0.016	0.032	0.021	0.044	1.253
5.0	5.00	5.00	0.168	0.136	0.046	0.009	0.007	0.007	0.025	0.028	0.064	0.039	0.428	0.319	0.117	0.071	0.069	0.071	1.604
7.0	7.00	7.00	0.014	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.085	0.140	0.048	0.002	0.009	0.037	0.354
.0.0	10.00	10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.016	0.002	0.000	0.000	0.005	0.025
13.0	13.00	13.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.0	18.00	18.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9.0	99.00	99.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL		0.26	0.34	0.23	0.15	0.11	0.12	0.13	0.16	0.31	0.36	0.99	0.60	0.22	0.11	0.11	0.16	4.35

'REQ'OJOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS D

'EED	WIND SPEED (M/S)																		
'ELE	TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.2	0.22	0.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.5	0.50	0.50	0.005	0.002	0.021	0.018	0.023	0.034	0.016	0.023	0.007	0.000	0.002	0.000	0.000	0.000	0.002	0.000	0.154
0.7	0.75	0.75	0.016	0.037	0.076	0.117	0.195	0.154	0.122	0.087	0.060	0.034	0.018	0.007	0.002	0.005	0.005	0.009	0.945
1.0	1.00	1.00	0.053	0.147	0.274	0.299	0.363	0.331	0.253	0.170	0.193	0.124	0.067	0.034	0.014	0.009	0.025	0.018	2.374
1.5	1.50	1.50	0.170	0.492	0.634	0.503	0.464	0.331	0.503	0.375	0.483	0.506	0.444	0.200	0.087	0.053	0.071	0.076	5.392
2.0	2.00	2.00	0.274	0.614	0.646	0.352	0.285	0.269	0.388	0.363	0.469	0.556	0.556	0.303	0.184	0.113	0.103	0.120	5.594
3.0	3.00	3.00	0.995	1.193	0.961	0.363	0.274	0.336	0.460	0.411	0.591	0.846	1.365	0.584	0.450	0.361	0.517	0.616	10.322
5.0	5.00	5.00	1.646	0.745	0.377	0.124	0.074	0.133	0.278	0.205	0.244	0.319	1.986	1.441	0.910	0.722	1.453	1.728	12.384
7.0	7.00	7.00	0.225	0.034	0.014	0.007	0.011	0.016	0.032	0.021	0.016	0.005	0.391	0.977	0.395	0.248	0.409	0.644	3.445
.0.0	10.00	10.00	0.000	0.000	0.000	0.000	0.000	0.007	0.002	0.002	0.000	0.000	0.016	0.207	0.080	0.044	0.014	0.018	0.391
.3.0	13.00	13.00	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.005
.8.0	18.00	18.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9.0	99.00	99.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TOTAL			3.38	3.26	3.00	1.78	1.69	1.61	2.05	1.66	2.06	2.39	4.85	3.76	2.12	1.55	2.60	3.23	41.01

'REQ0JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS E

'EED WIND SPEED (M/S)																			
'ELE	TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.2	0.22	0.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.5	0.50	0.50	0.002	0.007	0.030	0.046	0.094	0.103	0.085	0.044	0.023	0.007	0.005	0.000	0.005	0.000	0.002	0.000	0.453
0.7	0.75	0.75	0.032	0.076	0.285	0.641	0.869	0.609	0.462	0.251	0.172	0.097	0.032	0.009	0.002	0.005	0.005	0.011	3.558
1.0	1.00	1.00	0.064	0.257	0.664	1.073	0.830	0.476	0.526	0.421	0.496	0.290	0.090	0.028	0.021	0.016	0.009	0.014	5.275
1.5	1.50	1.50	0.207	0.745	1.266	1.133	0.354	0.228	0.349	0.490	0.949	0.912	0.432	0.147	0.083	0.037	0.044	0.048	7.424
2.0	2.00	2.00	0.317	0.618	0.453	0.200	0.076	0.069	0.110	0.218	0.444	0.768	0.480	0.184	0.076	0.053	0.097	0.094	4.257
3.0	3.00	3.00	0.331	0.584	0.365	0.067	0.067	0.055	0.115	0.145	0.347	0.710	0.788	0.191	0.085	0.078	0.200	0.267	4.395
5.0	5.00	5.00	0.122	0.182	0.124	0.016	0.011	0.018	0.053	0.092	0.113	0.193	0.483	0.140	0.044	0.030	0.055	0.080	1.756
7.0	7.00	7.00	0.005	0.002	0.000	0.007	0.000	0.011	0.023	0.014	0.041	0.009	0.023	0.032	0.009	0.000	0.005	0.005	0.186
.0.0	10.00	10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.002	0.007	0.000	0.000	0.000	0.000	0.018
.3.0	13.00	13.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
.8.0	18.00	18.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
)9.0	99.00	99.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL		1.08	2.47	3.19	3.18	2.30	1.57	1.73	1.67	2.59	2.99	2.34	0.74	0.32	0.22	0.42	0.52	27.32

'REQ'0JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS F

'EED WIND SPEED (M/S)																			
'ELE	TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.2	0.22	0.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.5	0.50	0.50	0.002	0.011	0.030	0.048	0.101	0.053	0.032	0.018	0.005	0.002	0.002	0.000	0.005	0.002	0.000	0.002	0.315
0.7	0.75	0.75	0.011	0.048	0.211	0.830	0.853	0.368	0.188	0.074	0.067	0.037	0.009	0.000	0.005	0.000	0.000	0.000	2.701
1.0	1.00	1.00	0.014	0.078	0.455	1.853	0.818	0.280	0.188	0.179	0.179	0.055	0.034	0.011	0.007	0.000	0.005	0.007	4.165
1.5	1.50	1.50	0.057	0.152	0.591	2.285	0.342	0.034	0.057	0.113	0.278	0.186	0.087	0.014	0.011	0.005	0.002	0.005	4.220
2.0	2.00	2.00	0.025	0.074	0.115	0.342	0.021	0.000	0.005	0.014	0.032	0.085	0.048	0.009	0.000	0.005	0.002	0.011	0.788
3.0	3.00	3.00	0.011	0.021	0.002	0.014	0.000	0.000	0.000	0.002	0.002	0.009	0.044	0.007	0.002	0.002	0.005	0.005	0.126
5.0	5.00	5.00	0.005	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.005	0.002	0.000	0.000	0.002	0.005	0.028
7.0	7.00	7.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.0	10.00	10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
.3.0	13.00	13.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
.8.0	18.00	18.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
)9.0	99.00	99.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL		0.13	0.39	1.41	5.37	2.14	0.74	0.47	0.40	0.57	0.38	0.23	0.04	0.03	0.01	0.02	0.03	12.34

'REQ'0JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS G

'EED WIND SPEED (M/S)																			
'ELE	TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.2	0.22	0.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.5	0.50	0.50	0.002	0.002	0.005	0.018	0.030	0.009	0.007	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.076
0.7	0.75	0.75	0.005	0.037	0.163	0.384	0.276	0.145	0.071	0.032	0.011	0.005	0.005	0.002	0.000	0.000	0.002	0.005	1.142
1.0	1.00	1.00	0.005	0.039	0.386	1.586	0.503	0.126	0.080	0.053	0.028	0.018	0.007	0.000	0.000	0.000	0.000	0.000	2.832
1.5	1.50	1.50	0.007	0.039	0.372	2.448	0.234	0.021	0.028	0.034	0.039	0.016	0.002	0.000	0.000	0.000	0.000	0.002	3.243
2.0	2.00	2.00	0.002	0.007	0.044	0.428	0.007	0.000	0.005	0.007	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.510
3.0	3.00	3.00	0.000	0.002	0.002	0.009	0.000	0.000	0.002	0.000	0.000	0.002	0.002	0.000	0.002	0.000	0.000	0.000	0.023
5.0	5.00	5.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.0	7.00	7.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
.0.0	10.00	10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
.3.0	13.00	13.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
.8.0	18.00	18.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
)9.0	99.00	99.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL		0.02	0.13	0.97	4.87	1.05	0.30	0.19	0.13	0.08	0.06	0.02	0.00	0.00	0.00	0.00	0.01	7.83

'ASU0WIND MEASURED AT 10.0 METERS.
'EED WIND SPEED CORRECTED TO THE RELEASE HEIGHT OF 10.0 METERS.
, WI)OOVERALL WIND DIRECTION FREQUENCY

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.REC WIND DIRECTION:          N   NNE   NE   ENE    E   ESE   SE   SSE    S   SSW   SW   WSW    W   WNW   NW   NNW
KY: FREQUENCY:              5.1   7.0  9.2  15.6  7.5   4.5  4.9   4.3  6.2   7.0  10.4   6.0  2.9   2.0  3.2   4.1
, WIOOVERALL WIND SPEED FREQUENCY AS MEASURED ON THE TOWER:
ID S: MAX.WIND SPEED (M/S):     0.220  0.500  0.750  1.000  1.500  2.000  3.000  5.000  7.000 10.000 13.000 18.000 99.000
'EED WIND SPEED FREQUENCY:      0.00   1.00   8.36  14.82  21.20  12.67  18.32  18.76  4.42   0.46   0.00   0.00   0.00
IG AIOBUILDING AND RELEASE CHARACTERISTICS:
; HE: RELEASE HEIGHT:                 10.00 METERS
VOIL MIXING VOLUME COEFFICIENT:          0.50
IG C: BUILDING CROSS-SECTIONAL AREA: 2685.00 SQUARE METERS
:Y D'OBOUNDARY DISTANCES (METERS) FROM THE SOURCE FOR EACH DOWNWIND SECTOR:
ID S: DOWNWIND SECTOR      S    SSW    SW   WSW    W   WNW   NW   NNW    N   NNE   NE   ENE    E   ESE   SE   SSE
:Y 1 BOUNDARY 1          549.  549.  549.  549.  549.  549.  549.  549.  549.  549.  549.  549.  549.  549.  549.  549.
:Y 2 BOUNDARY 2         4827. 4827. 4827. 4827. 4827. 4827. 4827. 4827. 4827. 4827. 4827. 4827. 4827. 4827. 4827. 4827.
:OMPI USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME:  COMPARISON CASE 2                    METEOROLOGICAL INSTRUMENTATION
:RTOI DATA PERIOD: 5 YEARS OF DATA                     WIND SENSORS HEIGHT:  10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL  no ter             DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S:  COMMENTS:  NONE
I: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
:EDS OWINDSPEEDS ADJUSTED TO  10.0 METERS.
' OF OPERCENT OF THE TIME A GIVEN WINDSPEED IS LOWER:
:ED OWINDSPEED    CUMULATIVE FREQUENCY
SEC (METER/SEC)        (PERCENT)
22        0.22          0.00
50        0.50          1.00
75        0.75          9.36
00        1.00         24.17
50        1.50         45.37
00        2.00         58.04
00        3.00         76.36
00        5.00         95.12
00        7.00         99.54
00       10.00        100.00
00       13.00        100.00
00       18.00        100.00
00       99.00        100.00
   0
MAL OLOG-NORMAL INTERPOLATION PERCENTILES
:ED OWINDSPEED    CUMULATIVE FREQUENCY
SEC (METER/SEC)        (PERCENT)
50        0.50          1.00
60        0.60          3.00
66        0.66          5.00
76        0.76         10.00
86        0.86         15.00
94        0.94         20.00
02        1.02         25.00
13        1.13         30.00
24        1.24         35.00
36        1.36         40.00
49        1.49         45.00
67        1.67         50.00
87        1.87         55.00
08        2.08         60.00
31        2.31         65.00
58        2.58         70.00
90        2.90         75.00
```

.21 3.21 80.00
.65 3.65 85.00
.08 4.08 90.00

:OMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
* RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS: COMMENTS: NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
PER OPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE S SECTOR.

ITY S	STABILITY CLASS	WINDSPEED METER/SEC AT 10.0 METERS	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE CA=1342.SQ.METERS	USED
A	A	0.5	0.04	549.	0.	0.	109.0	146.4	109.0	3.991E-05	3.887E-05	3.887E-05
	A	1.5	0.09	549.	0.	0.	109.0	146.4	109.0	1.330E-05	1.296E-05	1.296E-05
	A	2.0	0.13	549.	0.	0.	109.0	146.4	109.0	9.977E-06	9.717E-06	9.717E-06
	A	3.0	0.49	549.	0.	0.	109.0	146.4	109.0	6.651E-06	6.478E-06	6.478E-06
	A	5.0	1.25	549.	0.	0.	109.0	146.4	109.0	3.991E-06	3.887E-06	3.887E-06
	A	7.0	0.18	549.	0.	0.	109.0	146.4	109.0	2.851E-06	2.776E-06	2.776E-06
	B	0.8	0.04	549.	0.	0.	82.0	57.0	82.0	9.088E-05	8.326E-05	8.326E-05
	B	1.5	0.04	549.	0.	0.	82.0	57.0	82.0	4.544E-05	4.163E-05	4.163E-05
	B	2.0	0.22	549.	0.	0.	82.0	57.0	82.0	3.408E-05	3.122E-05	3.122E-05
	B	3.0	0.40	549.	0.	0.	82.0	57.0	82.0	2.272E-05	2.081E-05	2.081E-05
	B	5.0	1.88	549.	0.	0.	82.0	57.0	82.0	1.363E-05	1.249E-05	1.249E-05
	B	7.0	0.36	549.	0.	0.	82.0	57.0	82.0	9.737E-06	8.920E-06	8.920E 06
	C	1.5	0.13	549.	0.	0.	62.2	35.4	62.2	9.636E-05	8.070E 05	8.070E-05
	C	2.0	0.31	549.	0.	0.	62.2	35.4	62.2	7.227E-05	6.052E-05	6.052E-05
	C	3.0	1.03	549.	0.	0.	62.2	35.4	62.2	4.818E-05	4.035E-05	4.035E-05
	C	5.0	3.27	549.	0.	0.	62.2	35.4	62.2	2.891E-05	2.421E-05	2.421E-05
	C	7.0	0.27	549.	0.	0.	62.2	35.4	62.2	2.065E-05	1.729E-05	1.729E-05
	D	0.5	0.09	549.	0.	0.	43.8	19.8	87.6	3.667E-04	4.915E 04	3.667E-04
	D	0.8	0.31	549.	0.	0.	43.8	19.8	87.6	2.445E-04	3.277E-04	2.445E-04
	D	1.0	1.03	549.	0.	0.	43.8	19.8	87.6	1.834E-04	2.457E-04	1.834E-04
	D	1.5	3.31	549.	0.	0.	43.8	19.8	87.6	1.222E-04	1.638E-04	1.222E-04
	D	2.0	5.33	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05
	D	3.0	19.39	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
	D	5.0	32.06	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E-05
	D	7.0	4.39	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
	E	0.5	0.04	549.	0.	0.	31.2	13.9	93.5	4.901E 04	7.400E-04	4.901E-04
	E	0.8	0.63	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
	E	1.0	1.25	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E-04	2.450E-04
	E	1.5	4.03	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
	E	2.0	6.18	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E 04	1.225E-04
	E	3.0	6.45	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E 04	1.225E-04
	E	5.0	2.37	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
	E	7.0	0.09	549.	0.	0.	31.2	13.9	31.2	1.050E-04	5.285E 05	5.285E-05
	F	0.5	0.04	549.	0.	0.	21.5	8.8	86.0	8.401E-04	1.120E-03	8.401E-04
	F	0.8	0.22	549.	0.	0.	21.5	8.8	86.0	5.600E-04	7.467E-04	5.600E-04
	F	1.0	0.27	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04
	F	1.5	1.12	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
	F	2.0	0.49	549.	0.	0.	21.5	8.8	86.0	2.100E-04	2.800E-04	2.100E-04

F	3.0	0.22	549.	0.	0.	21.5	8.8	51.6	2.335E-04	1.867E-04	1.867E-04
F	5.0	0.09	549.	0.	0.	21.5	8.8	27.1	2.670E-04	1.120E 04	1.120E-04
G	0.5	0.04	549.	0.	0.	14.8	5.6	89.1	1.280E-03	2.560E-03	1.280E-03
G	0.8	0.09	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04
G	1.0	0.09	549.	0.	0.	14.8	5.6	89.1	6.400E-04	1.280E-03	6.400E-04
G	1.5	0.13	549.	0.	0.	14.8	5.6	89.1	4.267E-04	8.533E-04	4.267E-04
G	2.0	0.04	549.	0.	0.	14.8	5.6	89.1	3.200E-04	6.400E-04	3.200E-04

:OMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
:RIO DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\JFT.DOC
:S: COMMENTS: NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
:CLUOSITE EXCLUSION BOUNDARY CALCULATIONS:
:CTO'O S SECTOR BOUNDARY DISTANCE = 549.0 METERS
, PL'OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
INCT AS A FUNCTION OF DOWNWIND DISTANCE.
ι CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
KG W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
ARE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
:RD : THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

0E-0	1.280E-03	8.534E-04	8.401E-04	6.400E-04	5.600E-04	4.901E-04	4.267E-04	4.200E-04	3.667E-04	3.267E-04
0.0	0.045	0.134	0.179	0.269	0.493	0.537	0.672	0.940	1.030	1.657
002	0.00230	0.00690	0.00919	0.01379	0.02528	0.02758	0.03448	0.04827	0.05286	0.08504
0E-0	3.200E-04	2.800E-04	2.450E 04	2.445E-04	2.100E-04	1.867E-04	1.834E-04	1.634E-04	1.225E-04	1.225E-04
1.7	1.702	2.821	4.075	4.389	4.881	5.105	6.135	10.166	16.346	22.794
087	0.08734	0.14480	0.20916	0.22525	0.25053	0.26202	0.31488	0.52174	0.83893	1.16990
2E-0	1.222E-04	1.120E-04	9.169E-05	8.326E-05	8.070E-05	7.894E-05	7.400E-05	6.052E-05	5.285E-05	4.915E-05
6.1	26.108	26.198	31.527	31.572	31.706	51.097	53.471	53.784	53.874	85.938
339	1.33998	1.34458	1.61809	1.62039	1.62729	2.62251	2.74432	2.76041	2.76501	4.41068
3E-0	4.163E-05	4.035E-05	3.887E-05	3.511E-05	3.122E-05	2.421E-05	2.081E-05	1.729E-05	1.296E-05	1.249E-05
5.9	85.983	87.013	87.058	91.446	91.670	94.940	95.343	95.611	95.701	97.582
412	4.41298	4.46585	4.46814	4.69339	4.70488	4.87267	4.89335	4.90714	4.91174	5.00828
7E-0	9.717E-06	8.920E-06	6.478E-06	3.887E-06	2.776E-06					
7.7	97.716	98.074	98.567	99.821	100.000					
015	5.01517	5.03356	5.05884	5.12320	5.13239					

:0 X/Q PERCENTILES
ON ' (BASED ON THE UPPER ENVELOPE OF THE
X/(ORDERED X/Q-FREQUENCY VALUES, AND AS
ON PLOTTED ON A LOG-NORMAL GRAPH.)
FT 0I0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
CHI. CHI/Q WITH RESPECT TO WHEN THE WIND BLOWS
IIC ! SEC/CUBIC METER THE TOTAL TIME INTO THIS SECTOR ONLY

HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(2)= 0.009
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(3)= 0.145
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(5)= 1.338
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(6)= 2.620
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(7)= 4.407

X0	K	I	XQSAVE(K,T)	XQINT(K,1)	XQSLOP(K,I)
	1	1	-6.66084	-11.78544	-1.25750
	1	2	-7.08202	-12.47873	-1.44285
	1	3	-8.18064	-11.10838	-0.98283
	1	4	-8.31634	-11.46216	-1.10737
	1	5	-9.00949	-12.53119	-1.59003

```
      1  6      -9.44677 -13.36563  -2.02019
      1  7      -9.92066      NUMXQ(K)=  7
145E     4.345E-04              0.051              1.000
149E     2.749E-04              0.154              3.000
134E     2.334E-04              0.257              5.000
106E     1.806E-04              0.513             10.000
140E     1.540E-04              0.770             15.000
169E     1.369E-04              1.026             20.000
245E     1.245E-04              1.283             25.000
121E     1.121E-04              1.540             30.000
015E     1.015E-04              1.796             35.000
107E     9.307E-05              2.053             40.000
605E     8.605E-05              2.310             45.000
013E     8.013E-05              2.566             50.000
401E     7.401E-05              2.823             55.000
851E     6.851E-05              3.079             60.000
374E     6.374E-05              3.336             65.000
957E     5.957E-05              3.593             70.000
588E     5.588E-05              3.849             75.000
260E     5.260E-05              4.106             80.000
967E     4.967E-05              4.363             85.000
824E 0   1.824E-04              0.5                9.74
 AVE 0ANNUAL AVERAGE =    2.93E-06
    0K=  1      FIVEXQ(K)= 1.824E-04      FIVEPR(K)= 9.742
COMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
 RE  TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS:
 OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
S:   COMMENTS:  NONE
1: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE SSW SECTOR.
TY  STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
5    CLASS   METER/SEC  PERCENT   METERS    METERS      METERS      METERS  METERS   METERS        MEANDER   BLDG WAKE        USED
  A          AT  10.0 METERS                                                                          CA=1342.SQ.METERS

      A        1.5       0.10      549.      0.          0.          109.0   146.4    109.0      1.330E-05  1.296E-05  1.296E-05
      A        2.0       0.03      549.      0.          0.          109.0   146.4    109.0      9.977E-06  9.717E-06  9.717E-06
      A        3.0       0.91      549.      0.          0.          109.0   146.4    109.0      6.651E-06  6.478E-06  6.478E-06
      A        5.0       1.89      549.      0.          0.          109.0   146.4    109.0      3.991E-06  3.887E-06  3.887E 06
      A        7.0       0.13      549.      0.          0.          109.0   146.4    109.0      2.851E-06  2.776E-06  2.776E-06

      B        1.5       0.10      549.      0.          0.           82.0    57.0     82.0      4.544E-05  4.163E-05  4.163E-05
      B        2.0       0.65      549.      0.          0.           82.0    57.0     82.0      3.408E-05  3.122E-05  3.122E-05
      B        3.0       1.53      549.      0.          0.           82.0    57.0     82.0      2.272E-05  2.081E-05  2.081E-05
      B        5.0       1.11      549.      0.          0.           82.0    57.0     82.0      1.363E 05  1.249E-05  1.249E-05
      B        7.0       0.10      549.      0.          0.           82.0    57.0     82.0      9.737E 06  8.920E-06  8.920E-06

      C        1.0       0.03      549.      0.          0.           62.2    35.4     62.2      1.445E-04  1.210E-04  1.210E-04
      C        1.5       0.26      549.      0.          0.           62.2    35.4     62.2      9.636E-05  8.070E-05  8.070E 05
      C        2.0       0.68      549.      0.          0.           62.2    35.4     62.2      7.227E-05  6.052E-05  6.052E-05
      C        3.0       1.70      549.      0.          0.           62.2    35.4     62.2      4.818E-05  4.035E-05  4.035E-05
      C        5.0       1.92      549.      0.          0.           62.2    35.4     62.2      2.891E 05  2.421E-05  2.421E-05
      C        7.0       0.20      549.      0.          0.           62.2    35.4     62.2      2.065E-05  1.729E-05  1.729E 05

      D        0.5       0.03      549.      0.          0.           43.8    19.8     87.6      3.667E-04  4.915E-04  3.667E-04
      D        0.8       0.52      549.      0.          0.           43.8    19.8     87.6      2.445E-04  3.277E-04  2.445E-04
      D        1.0       2.09      549.      0.          0.           43.8    19.8     87.6      1.834E-04  2.457E-04  1.834E-04
```

D	1.5	6.98	549.	0.	0.	43.8	19.8	87.6	1.222E-04	1.638E-04	1.222E-04
D	2.0	8.71	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05
D	3.0	16.93	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
D	5.0	10.57	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E 05
D	7.0	0.49	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
E	0.5	0.10	549.	0.	0.	31.2	13.9	93.5	4.901E-04	7.400E-04	4.901E-04
E	0.8	1.08	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
E	1.0	3.65	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E-04	2.450E-04
E	1.5	10.57	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
E	2.0	8.77	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E-04	1.225E-04
E	3.0	8.28	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E-04	1.225E-04
E	5.0	2.58	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
E	7.0	0.03	549.	0.	0.	31.2	13.9	31.2	1.050E-04	5.285E-05	5.285E-05
F	0.5	0.16	549.	0.	0.	21.5	8.8	86.0	8.401E-04	1.120E-03	8.401E-04
F	0.8	0.68	549.	0.	0.	21.5	8.8	86.0	5.600E-04	7.467E-04	5.600E-04
F	1.0	1.11	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04
F	1.5	2.15	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
F	2.0	1.04	549.	0.	0.	21.5	8.8	86.0	2.100E-04	2.800E-04	2.100E-04
F	3.0	0.29	549.	0.	0.	21.5	8.8	51.6	2.335E-04	1.867E-04	1.867E-04
F	5.0	0.03	549.	0.	0.	21.5	8.8	27.1	2.670E 04	1.120E-04	1.120E-04
G	0.5	0.03	549.	0.	0.	14.8	5.6	89.1	1.280E-03	2.560E-03	1.280E-03
G	0.8	0.52	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04
G	1.0	0.55	549.	0.	0.	14.8	5.6	89.1	6.400E-04	1.280E-03	6.400E-04
G	1.5	0.55	549.	0.	0.	14.8	5.6	89.1	4.267E-04	8.533E-04	4.267E-04
G	2.0	0.10	549.	0.	0.	14.8	5.6	89.1	3.200E-04	6.400E-04	3.200E 04
G	3.0	0.03	549.	0.	0.	14.8	5.6	46.0	4.133E-04	4.266E-04	4.133E 04

:OMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
F RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\JFT.DOC
PS: COMMENTS: NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
XCLU OSITE EXCLUSION BOUNDARY CALCULATIONS:
SCTO 0 SSW SECTOR BOUNDARY DISTANCE = 549.0 METERS
, PL OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
JNCT AS A FUNCTION OF DOWNWIND DISTANCE.
R CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
NG W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
ARE 0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
? NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
IRD THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

30E-0	1.280E-03	8.534E-04	8.401E-04	6.400E-04	5.600E-04	4.901E-04	4.267E-04	4.200E-04	4.133E-04	3.667E-04
0.0	0.033	0.554	0.718	1.272	1.957	2.055	2.609	3.718	3.751	3.783
.002	0.00230	0.03907	0.05057	0.08964	0.13791	0.14480	0.18387	0.26202	0.26432	0.26662
57E-0	3.267E-04	3.200E-04	2.800E-04	2.450E-04	2.445E-04	2.100E-04	1.867E-04	1.834E-04	1.634E-04	1.225E-04
4.8	4.860	4.958	7.110	10.763	11.285	12.329	12.622	14.710	25.277	34.051
.342	0.34247	0.34936	0.50106	0.75848	0.79526	0.86881	0.88949	1.03659	1.78128	2.39956
25E-0	1.225E-04	1.222E-04	1.210E-04	1.120E-04	9.169E-05	8.070E-05	7.894E-05	7.400E-05	6.052E-05	5.285E-05
42.3	42.335	49.315	49.348	49.380	58.089	58.350	75.277	77.854	78.539	78.571
.983	2.98336	3.47522	3.47752	3.47982	4.09350	4.11189	5.30477	5.48635	5.53461	5.53691
15E-0	4.915E-05	4.163E-05	4.035E-05	3.511E-05	3.122E-05	2.421E-05	2.081E-05	1.729E-05	1.296E-05	1.249E-05
39.1	89.139	89.237	90.933	91.422	92.074	93.999	95.532	95.727	95.825	96.934
.281	6.28160	6.28850	6.40802	6.44249	6.48846	6.62407	6.73209	6.74589	6.75278	6.83093
17E-0	9.717E-06	8.920E-06	6.478E-06	3.887E-06	2.776E-06					

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96.9        96.967      97.065      97.978      99.870      100.000
.833       6.83323     6.84012     6.90448     7.03779      7.04698
    0            X/Q PERCENTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
) X/  ORDERED X/Q-FREQUENCY VALUES, AND AS
) ON  PLOTTED ON A LOG-NORMAL GRAPH.)
NT 00 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI         CHI/Q       WITH RESPECT TO      WHEN THE WIND BLOWS
3TC   SEC/CUBIC METER   THE TOTAL TIME       INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.138
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   0.262
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   0.794
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   3.472
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   5.301
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   5.483

  X0  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
      2  1     -6.66084   -8.84002   -0.53474
      2  2     -7.08202  -11.61920   -1.38009
      2  3     -7.48749  -11.76039   -1.42725
      2  4     -7.77517  -11.74416   -1.42144
      2  5     -8.31634  -11.12101   -1.16303
      2  6     -9.00949  -12.99515   -2.19531
      2  7     -9.44677  -15.75813    3.90472
      2  8     -9.51151      NUMXQ(K)=  8
172E     7.372E-04          0.070          1.000
133E     4.633E-04          0.211          3.000
158E     3.658E-04          0.352          5.000
102E     2.602E-04          0.705         10.000
.62E     2.162E-04          1.057         15.000
101E     1.901E-04          1.409         20.000
714E     1.714E-04          1.762         25.000
171E     1.571E-04          2.114         30.000
157E     1.457E-04          2.466         35.000
162E     1.362E-04          2.819         40.000
182E     1.282E-04          3.171         45.000
206E     1.206E-04          3.523         50.000
196E     1.096E-04          3.876         55.000
103E     1.003E-04          4.228         60.000
226E     9.226E-05          4.581         65.000
133E     8.533E-05          4.933         70.000
126E     7.926E-05          5.285         75.000
190E0    3.090E-04          0.5            7.10
 AVE0ANNUAL AVERAGE =    6.16E-06
    0K=  2     FIVEXQ(K)= 3.090E-04     FIVEPR(K)= 7.095
:OMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
:RTO DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL, no ter           DELTA-T HEIGHTS:
 OF SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S:  COMMENTS:  NONE
I: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE  SW SECTOR.
'TY ( STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
;  )  CLASS   METER/SEC  PERCENT   METERS     METERS      METERS      METERS  METERS   METERS        MEANDER   BLDG WAKE        USED
  A'          AT  10.0 METERS                                                                                  CA=1342.SQ.METERS

        A        1.5       0.17      549.        0.          0.        109.0   146.4    109.0      1.330E-05   1.296E-05   1.296E-05
```

EC-ENVR-1057
Page 472

A	2.0	0.37	549.	0.	0.	109.0	146.4	109.0	9.977E-06	9.717E-06	9.717E-06
A	3.0	1.12	549.	0.	0.	109.0	146.4	109.0	6.651E-06	6.478E-06	6.478E-06
A	5.0	0.57	549.	0.	0.	109.0	146.4	109.0	3.991E-06	3.887E-06	3.887E-06
B	1.5	0.30	549.	0.	0.	82.0	57.0	82.0	4.544E-05	4.163E-05	4.163E-05
B	2.0	0.40	549.	0.	0.	82.0	57.0	82.0	3.408E-05	3.122E-05	3.122E-05
B	3.0	1.15	549.	0.	0.	82.0	57.0	82.0	2.272E-05	2.081E-05	2.081E-05
B	5.0	0.60	549.	0.	0.	82.0	57.0	82.0	1.363E-05	1.249E-05	1.249E-05
C	1.5	0.30	549.	0.	0.	62.2	35.4	62.2	9.636E-05	8.070E-05	8.070E-05
C	2.0	0.60	549.	0.	0.	62.2	35.4	62.2	7.227E-05	6.052E-05	6.052E-05
C	3.0	1.12	549.	0.	0.	62.2	35.4	62.2	4.818E-05	4.035E-05	4.035E-05
C	5.0	0.50	549.	0.	0.	62.2	35.4	62.2	2.891E-05	2.421E-05	2.421E-05
D	0.5	0.22	549.	0.	0.	43.8	19.8	87.6	3.667E-04	4.915E-04	3.667E-04
D	0.8	0.82	549.	0.	0.	43.8	19.8	87.6	2.445E-04	3.277E-04	2.445E-04
D	1.0	2.96	549.	0.	0.	43.8	19.8	87.6	1.834E-04	2.457E-04	1.834E-04
D	1.5	6.87	549.	0.	0.	43.8	19.8	87.6	1.222E-04	1.638E-04	1.222E-04
D	2.0	7.00	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05
D	3.0	10.41	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
D	5.0	4.08	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E-05
D	7.0	0.15	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
E	0.5	0.32	549.	0.	0.	31.2	13.9	93.5	4.901E-04	7.400E-04	4.901E-04
E	0.8	3.09	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
E	1.0	7.19	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E-04	2.450E-04
E	1.5	13.72	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
E	2.0	4.90	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E-04	1.225E-04
E	3.0	3.96	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E-04	1.225E-04
E	5.0	1.34	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
F	0.5	0.32	549.	0.	0.	21.5	8.8	86.0	8.401E-04	1.120E-03	8.401E-04
F	0.8	2.29	549.	0.	0.	21.5	8.8	86.0	5.600E-04	7.467E-04	5.600E-04
F	1.0	4.93	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04
F	1.5	6.40	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
F	2.0	1.24	549.	0.	0.	21.5	8.8	86.0	2.100E-04	2.800E-04	2.100E-04
F	3.0	0.02	549.	0.	0.	21.5	8.8	51.6	2.335E-04	1.867E-04	1.867E-04
F	5.0	0.02	549.	0.	0.	21.5	8.8	27.1	2.670E-04	1.120E-04	1.120E-04
G	0.5	0.05	549.	0.	0.	14.8	5.6	89.1	1.280E-03	2.560E-03	1.280E-03
G	0.8	1.77	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04
G	1.0	4.18	549.	0.	0.	14.8	5.6	89.1	6.400E-04	1.280E-03	6.400E-04
G	1.5	4.03	549.	0.	0.	14.8	5.6	89.1	4.267E-04	8.533E-04	4.267E-04
G	2.0	0.47	549.	0.	0.	14.8	5.6	89.1	3.200E-04	6.400E-04	3.200E-04
G	3.0	0.02	549.	0.	0.	14.8	5.6	46.0	4.133E-04	4.266E-04	4.133E-04

COMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME /PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIC DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
P RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS: COMMENTS: NONE
M: P PROGRAM: PAVAN, 10/76, 8/79 REVISION. IMPLEMENTATION OF REGULATORY GUIDE 1.145
KCLU OSITE EXCLUSION BOUNDARY CALCULATIONS:
ECTC 0 SW SECTOR BOUNDARY DISTANCE = 549.0 METERS
L PL OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
UNCT AS A FUNCTION OF DOWNWIND DISTANCE.
R CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
NG W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0

ARE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
P NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
IRD THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

30E-0	1.280E-03	8.534E-04	8.401E-04	6.400E-04	5.600E-04	4.901E-04	4.267E-04	4.200E-04	4.133E-04	3.667E-04
0.0	0.050	1.817	2.141	6.323	8.613	8.937	12.970	17.899	17.924	18.148
.004	0.00460	0.16779	0.19766	0.58380	0.79526	0.82514	1.19748	1.65257	1.65487	1.67555
57E-0	3.267E-04	3.200E-04	2.800E-04	2.450E-04	2.445E-04	2.100E-04	1.867E-04	1.834E-04	1.634E-04	1.225E-04
21.2	21.235	21.708	28.106	35.300	36.121	37.366	37.391	40.354	54.070	58.974
.960	1.96056	2.00423	2.59493	3.25917	3.33502	3.44994	3.45224	3.72575	4.99219	5.44498
25E-0	1.225E-04	1.222E-04	1.120E-04	9.169E-05	8.070E-05	7.894E-05	7.400E-05	6.052E-05	4.915E-05	4.163E-05
52.9	62.933	69.803	69.828	76.824	77.122	87.528	88.872	89.470	93.552	93.851
.810	5.81043	6.44479	6.44709	7.09295	7.12053	8.08127	8.20539	8.26055	8.63749	8.66507
35E-0	4.035E-05	3.511E-05	3.122E-05	2.421E-05	2.081E-05	1.296E-05	1.249E-05	9.717E-06	6.478E-06	3.887E-06
94.9	94.971	95.121	95.519	96.017	97.162	97.336	97.934	98.307	99.427	100.000
.768	8.76850	8.78229	8.81907	8.86504	8.97076	8.98685	9.04202	9.07649	9.17992	9.23279

0 X/Q PERCENTILES
ON (BASED ON THE UPPER ENVELOPE OF THE
) X/ ORDERED X/Q-FREQUENCY VALUES, AND AS
) ON PLOTTED ON A LOG-NORMAL GRAPH.)
VT 00 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

CHI	CHI/Q	WITH RESPECT TO	WHEN THE WIND BLOWS
RIC	SEC/CUBIC METER	THE TOTAL TIME	INTO THIS SECTOR ONLY

HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(4)= 1.651
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(5)= 3.332
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(6)= 4.988
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(7)= 6.441
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(8)= 8.078

X0	K	I	XOSAVE(K,I)	XQINT(K,I)	XQSLOP(K,I)
	3	1	-6.66084	8.26199	-0.40940
	3	2	-7.08202	-9.25939	-0.75545
	3	3	-7.35399	-10.07574	-1.07912
	3	4	-7.77517	-11.64927	-1.81721
	3	5	8.31634	-12.24779	-2.14353
	3	6	-8.71960	-12.47100	-2.27915
	3	7	-9.00949	-14.59498	-3.67762
	3	8	-9.44677	NUMXQ(K)= 8	

237E	9.237E-04	0.092	1.000
743E	7.743E-04	0.277	3.000
807E	6.807E-04	0.462	5.000
353E	5.353E-04	0.923	10.000
530E	4.530E-04	1.385	15.000
871E	3.871E-04	1.847	20.000
271E	3.271E-04	2.308	25.000
838E	2.838E-04	2.770	30.000
508E	2.508E-04	3.231	35.000
214E	2.214E-04	3.693	40.000
970E	1.970E-04	4.155	45.000
771E	1.771E-04	4.616	50.000
603E	1.603E-04	5.078	55.000
454E	1.454E-04	5.540	60.000
328E	1.328E-04	6.001	65.000
216E	1.216E-04	6.463	70.000
067E	1.067E-04	6.925	75.000
419E	9.419E-05	7.386	80.000
366E	8.366E-05	7.848	85.000
667E0	6.667E-04	0.5	5.42

AVE0ANNUAL AVERAGE = 1.42E-05
0K= 3 FIVEXQ(K)= 6.667E-04 FIVEPR(K)= 5.415

EC-ENVR-1057
Page 474

DMP\1USNRC COMPUTER CODE PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2
RIOI DATA PERIOD: 5 YEARS OF DATA
REI TYPE OF RELEASE: GROUND-LEVEL, no ter
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: P/ PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER \0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE WSW SECTOR.*

METEOROLOGICAL INSTRUMENTATION
WIND SENSORS HEIGHT: 10.0 METER
DELTA-T HEIGHTS:

TY \ STABILITY CLASS	WINDSPEED METER/SEC AT 10.0 METERS	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE CA=1342.SQ.METERS	USED
A	1.0	0.01	549.	0.	0.	109.0	146.4	109.0	1.995E-05	1.943E-05	1.943E-05
A	1.5	0.12	549.	0.	0.	109.0	146.4	109.0	1.330E-05	1.296E-05	1.296E-05
A	2.0	0.25	549.	0.	0.	109.0	146.4	109.0	9.977E-06	9.717E-06	9.717E-06
A	3.0	0.16	549.	0.	0.	109.0	146.4	109.0	6.651E-06	6.478E-06	6.478E-06
A	5.0	0.06	549.	0.	0.	109.0	146.4	109.0	3.991E-06	3.887E-06	3.887E-06
B	1.0	0.01	549.	0.	0.	82.0	57.0	82.0	6.816E-05	6.244E-05	6.244E-05
B	1.5	0.35	549.	0.	0.	82.0	57.0	82.0	4.544E-05	4.163E-05	4.163E-05
B	2.0	0.19	549.	0.	0.	82.0	57.0	82.0	3.408E-05	3.122E-05	3.122E-05
B	3.0	0.15	549.	0.	0.	82.0	57.0	82.0	2.272E-05	2.081E-05	2.081E-05
B	5.0	0.03	549.	0.	0.	82.0	57.0	82.0	1.363E-05	1.249E-05	1.249E-05
C	1.0	0.03	549.	0.	0.	62.2	35.4	62.2	1.445E-04	1.210E-04	1.210E-04
C	1.5	0.37	549.	0.	0.	62.2	35.4	62.2	9.636E-05	8.070E-05	8.070E-05
C	2.0	0.30	549.	0.	0.	62.2	35.4	62.2	7.227E-05	6.052E-05	6.052E-05
C	3.0	0.21	549.	0.	0.	62.2	35.4	62.2	4.818E-05	4.035E-05	4.035E-05
C	5.0	0.06	549.	0.	0.	62.2	35.4	62.2	2.891E-05	2.421E-05	2.421E-05
D	0.5	0.12	549.	0.	0.	43.8	19.8	87.6	3.667E-04	4.915E-04	3.667E-04
D	0.8	0.75	549.	0.	0.	43.8	19.8	87.6	2.445E-04	3.277E-04	2.445E-04
D	1.0	1.92	549.	0.	0.	43.8	19.8	87.6	1.834E-04	2.457E-04	1.834E-04
D	1.5	3.23	549.	0.	0.	43.8	19.8	87.6	1.222E-04	1.638E-04	1.222E-04
D	2.0	2.26	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05
D	3.0	2.33	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
D	5.0	0.80	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E-05
D	7.0	0.04	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
E	0.5	0.30	549.	0.	0.	31.2	13.9	93.5	4.901E-04	7.400E-04	4.901E-04
E	0.8	4.12	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
E	1.0	6.89	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E-04	2.450E-04
E	1.5	7.28	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
E	2.0	1.28	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E-04	1.225E-04
E	3.0	0.43	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E-04	1.225E-04
E	5.0	0.10	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
E	7.0	0.04	549.	0.	0.	31.2	13.9	31.2	1.050E-04	5.285E-05	5.285E-05
F	0.5	0.31	549.	0.	0.	21.5	8.8	86.0	8.401E-04	1.120E-03	8.401E-04
F	0.8	5.33	549.	0.	0.	21.5	8.8	86.0	5.600E-04	7.467E-04	5.600E-04
F	1.0	11.90	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04
F	1.5	14.67	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
F	2.0	2.20	549.	0.	0.	21.5	8.8	86.0	2.100E-04	2.800E-04	2.100E-04
F	3.0	0.09	549.	0.	0.	21.5	8.8	51.6	2.335E-04	1.867E-04	1.867E-04
G	0.5	0.12	549.	0.	0.	14.8	5.6	89.1	1.280E-03	2.560E-03	1.280E-03
G	0.8	2.47	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04
G	1.0	10.19	549.	0.	0.	14.8	5.6	89.1	6.400E-04	1.280E-03	6.400E-04

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G        1.5      15.72      549.      0.        0.        14.8    5.6    89.1    4.267E-04   8.533E-04   4.267E-04
G        2.0       2.75      549.      0.        0.        14.8    5.6    89.1    3.200E-04   6.400E-04   3.200E-04
G        3.0       0.06      549.      0.        0.        14.8    5.6    46.0    4.133E-04   4.266E-04   4.133E-04
:OMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
:RIO DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS:
 OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS:  COMMENTS:  NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
XCLUOSITE EXCLUSION BOUNDARY CALCULATIONS:
ECTO0 WSW SECTOR      BOUNDARY DISTANCE =  549.0 METERS
 PLOLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
JNCT AS A FUNCTION OF DOWNWIND DISTANCE.
 CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
NG W BUILDING WAKE CREDIT ALLOWED:   C=  0.5    A=  2685.    D=   60.0
\RE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 NU THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
:RD  THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
30E-0   1.280E-03   8.534E-04   8.401E-04   6.400E-04   5.600E-04   4.901E-04   4.267E-04   4.200E-04   4.133E-04   3.667E-04
 0.1        0.118       2.583       2.893      13.079      18.409      18.704      34.426      46.324      46.383      46.501
.018      0.01839     0.40222     0.45049     2.03641     2.86614     2.91211     5.35993     7.21247     7.22166     7.24005
57E-0   3.267E-04   3.200E-04   2.800E-04   2.450E-04   2.445E-04   2.100E-04   1.867E-04   1.834E-04   1.634E-04   1.225E-04
50.6       50.620      53.366      68.040      74.934      75.686      77.886      77.975      79.894      87.172      88.456
.881      7.88131     8.30882    10.59345    11.66682    11.78404    12.12650    12.14030    12.43909    13.57222    13.77218
25E-0   1.225E-04   1.222E-04   1.210E-04   9.169E-05   8.070E-05   7.894E-05   7.400E-05   6.244E-05   6.052E-05   5.285E-05
38.8       88.884      92.117      92.146      94.405      94.774      97.107      97.210      97.225      97.520      97.564
.838      13.83883    14.34219    14.34679    14.69845    14.75591    15.11906    15.13515    15.13745    15.18342    15.19031
15E-0   4.915E-05   4.163E-05   4.035E-05   3.511E-05   3.122E-05   2.421E-05   2.081E-05   1.943E-05   1.296E-05   1.249E-05
98.3       98.361      98.716      98.922      98.967      99.159      99.218      99.365      99.380      99.498      99.528
.314      15.31443    15.36959    15.40177    15.40866    15.43854    15.44773    15.47072    15.47302    15.49140    15.49600
17E-0   9.717E-06   6.478E-06   3.887E-06
99.7       99.779      99.941     100.000
.535      15.53507    15.56036    15.56955
   0          X/Q PERCENTILES
 ON  (BASED ON THE UPPER ENVELOPE OF THE
 X/ ORDERED X/Q-FREQUENCY VALUES, AND AS
 ON PLOTTED ON A LOG-NORMAL GRAPH.)
VT 00 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
BIC  SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=  10.591
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=  11.782
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=  13.571
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=  14.342
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=  15.119

  X0  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
      4  1      -6.66084  -8.23974  -0.44322
      4  2      -7.08202  -8.33858  -0.48105
      4  3      -7.35399  -8.82430  -0.71837
      4  4      -7.77517 -10.57059  -1.91411
      4  5      -8.18064 -10.88590  -2.16664
      4  6      -8.31634 -13.86619  -4.67961
      4  7      -8.71960 -17.90783  -8.35452
      4  8      -9.00949 -22.80637 -12.95370
      4  9      -9.44677    NUMXQ(K)=  9
787E     9.787E-04              0.156              1.000
```

351E	8.351E-04	0.467	3.000
657E	7.657E-04	0.778	5.000
745E	6.745E-04	1.557	10.000
142E	6.142E-04	2.335	15.000
616E	5.616E-04	3.114	20.000
223E	5.223E-04	3.892	25.000
911E	4.911E-04	4.671	30.000
654E	4.654E-04	5.449	35.000
435E	4.435E-04	6.228	40.000
246E	4.246E-04	7.006	45.000
887E	3.887E-04	7.785	50.000
522E	3.522E-04	8.563	55.000
212E	3.212E-04	9.342	60.000
945E	2.945E-04	10.120	65.000
702E	2.702E-04	10.899	70.000
474E	2.474E-04	11.677	75.000
091E	2.091E-04	12.456	80.000
758E	1.758E-04	13.234	85.000
382E	1.382E-04	14.013	90.000
257E 0	8.257E-04	0.5	3.21

AVE 0ANNUAL AVERAGE = 3.86E-05
0K= 4 FIVEXQ(K)= 8.257E-04 FIVEPR(K)= 3.211
COMI 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME /PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIC DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
F RE TYPE OF RELEASE: GROUND LEVEL, no ter DELTA-T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS: COMMENTS: NONE
M: 1 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
TER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE W SECTOR.

LTY S	STABILITY CLASS	WINDSPEED METER/SEC AT 10.0 METERS	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE CA=1342.SQ.METERS	USED
	A	1.0	0.12	549.	0.	0.	109.0	146.4	109.0	1.995E-05	1.943E-05	1.943E-05
	A	1.5	0.80	549.	0.	0.	109.0	146.4	109.0	1.330E-05	1.296E-05	1.296E 05
	A	2.0	0.25	549.	0.	0.	109.0	146.4	109.0	9.977E-06	9.717E-06	9.717E-06
	A	3.0	0.12	549.	0.	0.	109.0	146.4	109.0	6.651E-06	6.478E-06	6.478E-06
	A	5.0	0.03	549.	0.	0.	109.0	146.4	109.0	3.991E-06	3.887E-06	3.887E 06
	B	1.0	0.28	549.	0.	0.	82.0	57.0	82.0	6.816E-05	6.244E 05	6.244E-05
	B	1.5	0.46	549.	0.	0.	82.0	57.0	82.0	4.544E-05	4.163E-05	4.163E-05
	B	2.0	0.22	549.	0.	0.	82.0	57.0	82.0	3.408E-05	3.122E-05	3.122E-05
	B	3.0	0.31	549.	0.	0.	82.0	57.0	82.0	2.272E-05	2.081E-05	2.081E-05
	B	5.0	0.09	549.	0.	0.	82.0	57.0	82.0	1.363E-05	1.249E 05	1.249E-05
	C	0.8	0.03	549.	0.	0.	62.2	35.4	62.2	1.927E-04	1.614E-04	1.614E-04
	C	1.0	0.22	549.	0.	0.	62.2	35.4	62.2	1.445E 04	1.210E-04	1.210E-04
	C	1.5	0.58	549.	0.	0.	62.2	35.4	62.2	9.636E-05	8.070E-05	8.070E 05
	C	2.0	0.25	549.	0.	0.	62.2	35.4	62.2	7.227E-05	6.052E-05	6.052E-05
	C	3.0	0.25	549.	0.	0.	62.2	35.4	62.2	4.818E-05	4.035E-05	4.035E-05
	C	5.0	0.09	549.	0.	0.	62.2	35.4	62.2	2.891E-05	2.421E-05	2.421E-05
	D	0.5	0.31	549.	0.	0.	43.8	19.8	87.6	3.667E-04	4.915E-04	3.667E-04
	D	0.8	2.61	549.	0.	0.	43.8	19.8	87.6	2.445E-04	3.277E-04	2.445E-04
	D	1.0	4.85	549.	0.	0.	43.8	19.8	87.6	1.834E-04	2.457E-04	1.834E-04
	D	1.5	6.21	549.	0.	0.	43.8	19.8	87.6	1.222E-04	1.638E-04	1.222E-04
	D	2.0	3.81	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05

D	3.0	3.66	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
D	5.0	0.98	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E-05
D	7.0	0.15	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
E	0.5	1.26	549.	0.	0.	31.2	13.9	93.5	4.901E-04	7.400E-04	4.901E-04
E	0.8	11.61	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
E	1.0	11.09	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E-04	2.450E-04
E	1.5	4.73	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
E	2.0	1.01	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E-04	1.225E-04
E	3.0	0.89	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E-04	1.225E-04
E	5.0	0.15	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
F	0.5	1.35	549.	0.	0.	21.5	8.8	86.0	8.401E-04	1.120E-03	8.401E-04
F	0.8	11.40	549.	0.	0.	21.5	8.8	86.0	5.600E-04	7.467E-04	5.600E-04
F	1.0	10.94	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04
F	1.5	4.58	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
F	2.0	0.28	549.	0.	0.	21.5	8.8	86.0	2.100E-04	2.800E-04	2.100E-04
G	0.5	0.40	549.	0.	0.	14.8	5.6	89.1	1.280E-03	2.560E-03	1.280E-03
G	0.8	3.69	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04
G	1.0	6.73	549.	0.	0.	14.8	5.6	89.1	6.400E-04	1.280E-03	6.400E-04
G	1.5	3.13	549.	0.	0.	14.8	5.6	89.1	4.267E-04	8.533E-04	4.267E-04
G	2.0	0.09	549.	0.	0.	14.8	5.6	89.1	3.200E-04	6.400E-04	3.200E-04

COMF 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME /PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIC DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
F RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\JET.DOC
TS: COMMENTS: NONE
M: F PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
XCLU OSITE EXCLUSION BOUNDARY CALCULATIONS:
ECTC 0 W SECTOR BOUNDARY DISTANCE = 549.0 METERS
L PI OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
JNCI AS A FUNCTION OF DOWNWIND DISTANCE.
R CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
NG W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
ARE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
P NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
IRD THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

80E- 0	1.280E-03	8.534E-04	8.401E-04	6.400E-04	5.600E-04	4.901E-04	4.267E-04	4.200E-04	3.667E-04	3.267E-04
0.3	0.399	4.086	5.438	12.166	23.564	24.823	27.957	38.894	39.201	50.814
.025	0.02988	0.30569	0.40682	0.91018	1.76289	1.85713	2.09157	2.90981	2.93279	3.80160
00E- 0	3.200E-04	2.800E-04	2.450E-04	2.445E-04	2.100E-04	1.834E-04	1.634E-04	1.614E-04	1.225E-04	1.225E-04
50.9	50.906	55.484	66.575	69.186	69.462	74.316	79.048	79.078	80.092	80.983
.80E	3.80850	4.15096	4.98069	5.17606	5.19675	5.55990	5.91386	5.91615	5.99200	6.05866
22E- 0	1.222E-04	1.210E-04	9.169E-05	8.070E-05	7.894E-05	7.400E-05	6.244E-05	6.052E-05	4.915E-05	4.163E-05
87.1	87.189	87.404	91.214	91.797	95.453	95.607	95.883	96.129	97.112	97.573
.522	6.52294	6.53903	6.82403	6.86770	7.14122	7.15271	7.17339	7.19178	7.26533	7.29981
35E- 0	4.035E-05	3.511E-05	3.122E-05	2.421E-05	2.081E-05	1.943E-05	1.296E-05	1.249E-05	9.717E-06	6.478E-06
97.8	97.819	97.972	98.187	98.280	98.587	98.710	99.508	99.601	99.846	99.969
.31E	7.31819	7.32969	7.34578	7.35267	7.37566	7.38485	7.44461	7.45150	7.46989	7.47908
87E- 0	3.887E-06									
00.(	100.000									
.481	7.48138									

0 X/Q PERCENTILES
ON (BASED ON THE UPPER ENVELOPE OF THE
D X/ ORDERED X/Q-FREQUENCY VALUES, AND AS
D OF PLOTTED ON A LOG-NORMAL GRAPH.)

EC-ENVR-1057
Page 478

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FT 00 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI          CHI/Q       WITH RESPECT TO      WHEN THE WIND BLOWS
RIC : SEC/CUBIC METER  THE TOTAL TIME       INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   2.907
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   5.172
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   6.519
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   6.535

  XO  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
      5  1      -6.66084   8.50003  -0.53575
      5  2      -7.08202  -9.06597  -0.74958
      5  3      -7.48749 -10.35607  -1.36221
      5  4      -7.77517 -11.62587   2.03242
      5  5      -8.31634 -18.06587  -5.98730
      5  6      -9.00949  20.77723  -7.77981
      5  7      -9.01933     NUMXQ(K)=  7
.15E     1.115E-03              0.075              1.000
127E     9.327E-04              0.224              3.000
529E     8.529E-04              0.374              5.000
.61E     7.161E-04              0.748             10.000
197E     6.397E-04              1.122             15.000
183E     5.883E-04              1.496             20.000
120E     5.420E-04              1.870             25.000
189E     4.889E-04              2.244             30.000
.71E     4.471E-04              2.618             35.000
196E     4.096E-04              2.993             40.000
182E     3.682E-04              3.367             45.000
.41E     3.341E-04              3.741             50.000
155E     3.055E-04              4.115             55.000
111E     2.811E-04              4.489             60.000
100E     2.600E-04              4.863             65.000
.63E     2.363E-04              5.237             70.000
127E     1.927E-04              5.611             75.000
.89E     1.589E-04              5.985             80.000
.22E     1.322E-04              6.359             85.000
168E0    7.968E-04              0.5                6.68
 AVE0ANNUAL AVERAGE =   1.83E-05
    10K=  5      FIVEXQ(K)= 7.968E-04      FIVEPR(K)= 6.683
:OMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
:RIO DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S:  COMMENTS:  NONE
I: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ER 10PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE WNW SECTOR.
'TY I STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
:  I  CLASS   METER/SEC  PERCENT   METERS    METERS      METERS      METERS  METERS   METERS        MEANDER    BLDG WAKE        USED
 A'          AT  10.0 METERS                                                                                  CA=1342.SQ.METERS

      A        0.8       0.05      549.       0.          0.        109.0   146.4    109.0       2.661E-05  2.591E-05  2.591E-05
      A        1.0       0.36      549.       0.          0.        109.0   146.4    109.0       1.995E-05  1.943E-05  1.943E-05
      A        1.5       0.61      549.       0.          0.        109.0   146.4    109.0       1.330E-05  1.296E-05  1.296E-05
      A        2.0       0.36      549.       0.          0.        109.0   146.4    109.0       9.977E-06  9.717E-06  9.717E-06
      A        3.0       0.41      549.       0.          0.        109.0   146.4    109.0       6.651E-06  6.478E-06  6.478E-06
      A        5.0       0.31      549.       0.          0.        109.0   146.4    109.0       3.991E-06  3.887E-06  3.887E-06

      B        1.0       0.20      549.       0.          0.         82.0    57.0     82.0       6.816E-05  6.244E-05  6.244E-05
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B	1.5	0.56	549.	0.	0.	82.0	57.0	82.0	4.544E-05	4.163E-05	4.163E-05
B	2.0	0.71	549.	0.	0.	82.0	57.0	82.0	3.408E-05	3.122E-05	3.122E-05
B	3.0	0.25	549.	0.	0.	82.0	57.0	82.0	2.272E-05	2.081E-05	2.081E-05
B	5.0	0.25	549.	0.	0.	82.0	57.0	82.0	1.363E-05	1.249E-05	1.249E-05
C	0.8	0.05	549.	0.	0.	62.2	35.4	62.2	1.927E-04	1.614E-04	1.614E-04
C	1.0	0.31	549.	0.	0.	62.2	35.4	62.2	1.445E-04	1.210E-04	1.210E-04
C	1.5	0.76	549.	0.	0.	62.2	35.4	62.2	9.636E-05	8.070E-05	8.070E-05
C	2.0	0.81	549.	0.	0.	62.2	35.4	62.2	7.227E-05	6.052E-05	6.052E-05
C	3.0	0.51	549.	0.	0.	62.2	35.4	62.2	4.818E-05	4.035E-05	4.035E-05
C	5.0	0.15	549.	0.	0.	62.2	35.4	62.2	2.891E-05	2.421E-05	2.421E-05
D	0.5	0.76	549.	0.	0.	43.8	19.8	87.6	3.667E-04	4.915E-04	3.667E-04
D	0.8	3.41	549.	0.	0.	43.8	19.8	87.6	2.445E-04	3.277E-04	2.445E-04
D	1.0	7.32	549.	0.	0.	43.8	19.8	87.6	1.834E-04	2.457E-04	1.834E-04
D	1.5	7.32	549.	0.	0.	43.8	19.8	87.6	1.222E-04	1.638E-04	1.222E-04
D	2.0	5.95	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05
D	3.0	7.42	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
D	5.0	2.95	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E-05
D	7.0	0.36	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
D	10.0	0.15	549.	0.	0.	43.8	19.8	43.8	3.667E-05	2.457E-05	2.457E-05
D	13.0	0.05	549.	0.	0.	43.8	19.8	43.8	2.821E-05	1.890E-05	1.890E-05
E	0.5	2.29	549.	0.	0.	31.2	13.9	93.5	4.901E-04	7.400E-04	4.901E-04
E	0.8	13.47	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
E	1.0	10.52	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E-04	2.450E-04
E	1.5	5.03	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
E	2.0	1.53	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E-04	1.225E-04
E	3.0	1.22	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E-04	1.225E-04
E	5.0	0.41	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
E	7.0	0.25	549.	0.	0.	31.2	13.9	31.2	1.050E-04	5.285E-05	5.285E-05
F	0.5	1.17	549.	0.	0.	21.5	8.8	86.0	8.401E-04	1.120E-03	8.401E-04
F	0.8	8.13	549.	0.	0.	21.5	8.8	86.0	5.600E-04	7.467E-04	5.600E-04
F	1.0	6.20	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04
F	1.5	0.76	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
G	0.5	0.20	549.	0.	0.	14.8	5.6	89.1	1.280E-03	2.560E-03	1.280E-03
G	0.8	3.20	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04
G	1.0	2.80	549.	0.	0.	14.8	5.6	89.1	6.400E-04	1.280E-03	6.400E-04
G	1.5	0.46	549.	0.	0.	14.8	5.6	89.1	4.267E-04	8.533E-04	4.267E-04

COMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
F RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\JMT.DOC
TS: COMMENTS: NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
(CIJ OSITE EXCLUSION BOUNDARY CALCULATIONS:
SCTO 0 WNW SECTOR BOUNDARY DISTANCE = 549.0 METERS
. PL OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
JNCT AS A FUNCTION OF DOWNWIND DISTANCE.
R CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
JG W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
ARE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
30E-0 1.280E-03 8.534E-04 8.401E-04 6.400E-04 5.600E-04 4.901E-04 4.267E-04 4.200E-04 3.667E-04 3.267E-04

EC-ENVR-1057
Page 480

0.2	0.203	3.406	4.575	7.372	15.506	17.794	18.251	24.453	25.216	38.688
.00!	0.00919	0.15399	0.20686	0.33327	0.70102	0.80445	0.82514	1.10554	1.14002	1.74910
00E- 0	2.800E-04	2.450E-04	2.445E-04	1.834E-04	1.634E-04	1.614E-04	1.225E-04	1.225E-04	1.222E-04	1.210E-04
39.4	39.451	49.975	53.381	60.702	65.735	65.785	67.311	68.531	75.852	76.157
.78!	1.78358	2.25935	2.41335	2.74432	2.97187	2.97417	3.04312	3.09828	3.42925	3.44304
69E- 0	9.169E-05	8.070E-05	7.894E-05	7.400E-05	6.244E-05	6.052E-05	5.285E-05	4.915E-05	4.163E-05	4.035E-05
82.1	82.105	82.867	90.290	90.696	90.900	91.713	91.967	94.916	95.475	95.984
.711	3.71196	3.74644	4.08201	4.10039	4.10959	4.14636	4.15786	4.29116	4.31645	4.33943
11E- 0	3.511E-05	3.122E-05	2.591E-05	2.457E-05	2.421E-05	2.081E-05	1.943E-05	1.890E-05	1.296E-05	1.249E-05
96.:	96.340	97.051	97.102	97.255	97.407	97.661	98.017	98.068	98.678	98.932
.35!	4.35552	4.38770	4.39000	4.39689	4.40379	4.41528	4.43137	4.43367	4.46125	4.47274
17E- 0	9.717E-06	6.478E-06	3.887E-06							
99.:	99.288	99.695	100.000							
.48!	4.48883	4.50722	4.52101							

```
    0          X/Q PERCENTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
D X,  ORDERED X/Q-FREQUENCY VALUES, AND AS
D OF  PLOTTED ON A LOG-NORMAL GRAPH.)
NT ( 0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI          CHI/Q       WITH RESPECT TO      WHEN THE WIND BLOWS
BIC   SEC/CUBIC METER   THE TOTAL TIME       INTO THIS SECTOR ONLY
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HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.747
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.411
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.969
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   3.426
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   3.440
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   4.079
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(10)=   4.288
```

) 0	K	I	XQSAVE(K,I)	XQINT(K,I)	XQSLOP(K,I)
	6	1	-6.66084	8.46651	-0.48276
	6	2	-7.08202	9.91338	-0.98727
	6	3	-7.48749	11.29131	-1.54805
	6	4	-8.02645	12.60382	-2.17039
	6	5	-8.31634	-17.15987	4.47673
	6	6	-8.71960	-17.28435	-4.54275
	6	7	-9.00949	-18.89856	-5.42893
	6	8	-9.01933	-18.97854	-5.47288
	6	9	-9.44677	-44.71629	-20.25080
	6	10	-9.92066	NUMXQ(K)= 10	

044!	1.044E-03	0.045	1.000
949!	8.949E-04	0.136	3.000
170!	8.170E-04	0.226	5.000
518!	6.518E-04	0.452	10.000
667!	5.667E-04	0.678	15.000
851!	4.851E-04	0.904	20.000
260!	4.260E-04	1.130	25.000
821!	3.821E-04	1.356	30.000
477!	3.477E-04	1.582	35.000
172!	3.172E-04	1.808	40.000
856!	2.856E-04	2.034	45.000
596!	2.596E-04	2.261	50.000
309!	2.309E-04	2.487	55.000
953!	1.953E-04	2.713	60.000
670!	1.670E-04	2.939	65.000
440!	1.440E-04	3.165	70.000
251!	1.251E-04	3.391	75.000
071!	1.071E-04	3.617	80.000
201!	9.201E-05	3.843	85.000

59E- 7.959E-05 4.069 90.000
99E0 6.299E-04 0.5 11.06
AVE0ANNUAL AVERAGE = 9.07E-06
OK- 6 FIVFXQ(K)= 6.299E 04 FIVFPR(K)=11.059
OMPUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: PI PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE NW SECTOR.

TY I STABILITY CLASS	WINDSPEED METER/SEC AT 10.0 METERS	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE CA=1342.SQ.METERS	USED
A	1.0	0.09	549.	0.	0.	109.0	146.4	109.0	1.995E-05	1.943E-05	1.943E-05
A	1.5	0.28	549.	0.	0.	109.0	146.4	109.0	1.330E-05	1.296E-05	1.296E-05
A	2.0	0.66	549.	0.	0.	109.0	146.4	109.0	9.977E-06	9.717E-06	9.717E-06
A	3.0	1.56	549.	0.	0.	109.0	146.4	109.0	6.651E-06	6.478E-06	6.478E-06
A	5.0	0.94	549.	0.	0.	109.0	146.4	109.0	3.991E-06	3.887E-06	3.887E-06
B	1.0	0.09	549.	0.	0.	82.0	57.0	82.0	6.816E-05	6.244E-05	6.244E-05
B	1.5	0.47	549.	0.	0.	82.0	57.0	82.0	4.544E-05	4.163E-05	4.163E-05
B	2.0	0.52	549.	0.	0.	82.0	57.0	82.0	3.408E-05	3.122E-05	3.122E-05
B	3.0	0.75	549.	0.	0.	82.0	57.0	82.0	2.272E-05	2.081E-05	2.081E-05
B	5.0	0.52	549.	0.	0.	82.0	57.0	82.0	1.363E-05	1.249E-05	1.249E-05
C	0.5	0.05	549.	0.	0.	62.2	35.4	62.2	2.891E-04	2.421E-04	2.421E-04
C	1.0	0.33	549.	0.	0.	62.2	35.4	62.2	1.445E-04	1.210E-04	1.210E-04
C	1.5	0.42	549.	0.	0.	62.2	35.4	62.2	9.636E-05	8.070E-05	8.070E-05
C	2.0	0.80	549.	0.	0.	62.2	35.4	62.2	7.227E-05	6.052E-05	6.052E-05
C	3.0	0.61	549.	0.	0.	62.2	35.4	62.2	4.818E-05	4.035E-05	4.035E-05
C	5.0	0.52	549.	0.	0.	62.2	35.4	62.2	2.891E-05	2.421E-05	2.421E-05
D	0.5	0.33	549.	0.	0.	43.8	19.8	87.6	3.667E-04	4.915E-04	3.667E-04
D	0.8	2.50	549.	0.	0.	43.8	19.8	87.6	2.445E-04	3.277E-04	2.445E-04
D	1.0	5.19	549.	0.	0.	43.8	19.8	87.6	1.834E-04	2.457E-04	1.834E-04
D	1.5	10.33	549.	0.	0.	43.8	19.8	87.6	1.222E-04	1.638E-04	1.222E-04
D	2.0	7.97	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05
D	3.0	9.43	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
D	5.0	5.71	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E-05
D	7.0	0.66	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
D	10.0	0.05	549.	0.	0.	43.8	19.8	43.8	3.667E-05	2.457E-05	2.457E-05
E	0.5	1.75	549.	0.	0.	31.2	13.9	93.5	4.901E-04	7.400E-04	4.901E-04
E	0.8	9.48	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
E	1.0	10.80	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E-04	2.450E-04
E	1.5	7.17	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
E	2.0	2.26	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E-04	1.225E-04
E	3.0	2.36	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E-04	1.225E-04
E	5.0	1.08	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
E	7.0	0.47	549.	0.	0.	31.2	13.9	31.2	1.050E-04	5.285E-05	5.285E-05
E	10.0	0.19	549.	0.	0.	31.2	13.9	31.2	7.351E-05	3.700E-05	3.700E-05
F	0.5	0.66	549.	0.	0.	21.5	8.8	86.0	8.401E-04	1.120E-03	8.401E-04
F	0.8	3.87	549.	0.	0.	21.5	8.8	86.0	5.600E-04	7.467E-04	5.600E-04
F	1.0	3.87	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04

F	1.5	1.18	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
F	2.0	0.09	549.	0.	0.	21.5	8.8	86.0	2.100E-04	2.800E-04	2.100E-04
G	0.5	0.14	549.	0.	0.	14.8	5.6	89.1	1.280E-03	2.560E-03	1.280E-03
G	0.8	1.46	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04
G	1.0	1.65	549.	0.	0.	14.8	5.6	89.1	6.400E-04	1.280E-03	6.400E-04
G	1.5	0.57	549.	0.	0.	14.8	5.6	89.1	4.267E-04	8.533E-04	4.267E-04
G	2.0	0.09	549.	0.	0.	14.8	5.6	89.1	3.200E-04	6.400E-04	3.200E-04
G	3.0	0.05	549.	0.	0.	14.8	5.6	46.0	4.133E-04	4.266E-04	4.133E-04

```
COMI 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAMI /PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
ERIC  DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
F RE  TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS:
 OF   SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS:   COMMENTS:  NONE
M: I  PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
XCLU 0SITE EXCLUSION BOUNDARY CALCULATIONS:
ECTC 0  NW SECTOR      BOUNDARY DISTANCE =  549.0 METERS
L PI 0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
UNCT AS A FUNCTION OF DOWNWIND DISTANCE.
R CH MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
NG W BUILDING WAKE CREDIT ALLOWED:   C=  0.5     A=  2685.     D=   60.0
ARE 0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
P NU THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
IRD  THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
80E-0   1.280E-03   8.534E-04   8.401E-04   6.400E-04   5.600E-04   4.901E-04   4.267E-04   4.200E-04   4.133E-04   3.667E-04
 0.1        0.142       1.604       2.264       3.915       7.783       9.528      10.094      13.962      14.009      14.340
.006      0.00690     0.07815     0.11032     0.19077     0.37924     0.46428     0.49186     0.68033     0.68263     0.69872
67E-0   3.267E-04   3.200E-04   2.800E-04   2.450E-04   2.445E-04   2.421E-04   2.100E-04   1.834E-04   1.634E-04   1.225E-04
23.8       23.821      23.915      25.094      35.896      38.396      38.443      38.538      43.726      50.896      53.160
.160      1.16071     1.16530     1.22276     1.74910     1.87092     1.87322     1.87782     2.13064     2.48000     2.59033
25E-0   1.225E-04   1.222E-04   1.210E-04   9.169E-05   8.070E-05   7.894E-05   7.400E-05   6.244E-05   6.052E-05   5.285E-05
55.5       55.519      65.849      66.179      74.151      74.575      84.009      85.094      85.189      85.991      86.462
.705      2.70525     3.20861     3.22469     3.61313     3.63381     4.09350     4.14636     4.15096     4.19003     4.21302
15E-0   4.915E-05   4.163E-05   4.035E-05   3.700E-05   3.511E-05   3.122E-05   2.457E-05   2.421E-05   2.081E-05   1.943E-05
92.1       92.170      92.641      93.255      93.443      94.104      94.623      94.670      95.189      95.943      96.038
.491      4.49113     4.51411     4.54399     4.55318     4.58536     4.61065     4.61294     4.63823     4.67500     4.67960
96E-0   1.296E-05   1.249E-05   9.717E-06   6.478E-06   3.887E-06
96.3       96.321      96.840      97.500      99.057     100.000
.693      4.69339     4.71867     4.75085     4.82670     4.87267
    0          X/Q PERCENTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
D X/  ORDERED X/Q-FREQUENCY VALUES, AND AS
D ON  PLOTTED ON A LOG-NORMAL GRAPH.)
NT C 0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI          CHI/Q       WITH RESPECT TO      WHEN THE WIND BLOWS
BIC   SEC/CUBIC METER  THE TOTAL TIME        INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.379
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.159
                                                HANDCHECK GRAPH:  SLOPE LT  1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.869
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   3.206
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   4.090
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   4.143

 X 0  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
      7  1     -6.66084  -8.79943  -0.56102
      7  2     -7.08202 -10.25792  -1.03746
      7  3     -7.48749 -11.08499  -1.34717
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        7  4       -8.02645 -11.51381  -1.53606
        7  5       -8.31634 -14.58381  -3.01087
        7  6       -9.00949 -16.29843  -3.93700
        7  7       -9.44677 -28.25190 -10.80552
        7  8       -9.51151      NUMXQ(K)=  8
594E      9.594E-04                0.049                1.000
590E      7.690E-04                0.146                3.000
512E      6.512E-04                0.244                5.000
993E      4.993E-04                0.487               10.000
118E      4.118E-04                0.731               15.000
571E      3.571E-04                0.975               20.000
175E      3.175E-04                1.218               25.000
847E      2.847E-04                1.462               30.000
590E      2.590E-04                1.705               35.000
324E      2.324E-04                1.949               40.000
006E      2.006E-04                2.193               45.000
755E      1.755E-04                2.436               50.000
551E      1.551E-04                2.680               55.000
384E      1.384E-04                2.924               60.000
244E      1.244E-04                3.167               65.000
097E      1.097E-04                3.411               70.000
701E      9.701E-05                3.655               75.000
632E      8.632E-05                3.898               80.000
441E      7.441E-05                4.142               85.000
933E 0    4.933E-04                0.5                 10.26
 AVE 0ANNUAL AVERAGE =   7.41E-06
    OK=  7      FIVEXQ(K)= 4.933E-04      FIVEPR(K)=10.261
COMP IUSNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME:  COMPARISON CASE 2                   METEOROLOGICAL INSTRUMENTATION
ERIO  DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
 RE  TYPE OF RELEASE: GROUND-LEVEL  no ter            DELTA-T HEIGHTS:
 OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS:  COMMENTS:  NONE
4: P  PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
TER  0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE NNW SECTOR.
ITY  STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
S      CLASS   METER/SEC  PERCENT   METERS    METERS      METERS      METERS  METERS   METERS        MEANDER   BLDG WAKE        USED
   A          AT  10.0 METERS                                                                                CA=1342.SQ.METERS

        A          1.0       0.11      549.      0.          0.       109.0   146.4    109.0      1.995E-05  1.943E-05  1.943E-05
        A          1.5       0.32      549.      0.          0.       109.0   146.4    109.0      1.330E-05  1.296E-05  1.296E-05
        A          2.0       1.02      549.      0.          0.       109.0   146.4    109.0      9.977E-06  9.717E-06  9.717E-06
        A          3.0       1.94      549.      0.          0.       109.0   146.4    109.0      6.651E-06  6.478E-06  6.478E-06
        A          5.0       0.75      549.      0.          0.       109.0   146.4    109.0      3.991E-06  3.887E-06  3.887E-06
        A          7.0       0.05      549.      0.          0.       109.0   146.4    109.0      2.851E-06  2.776E-06  2.776E-06

        B          1.5       0.22      549.      0.          0.        82.0    57.0     82.0      4.544E-05  4.163E-05  4.163E-05
        B          2.0       0.59      549.      0.          0.        82.0    57.0     82.0      3.408E-05  3.122E-05  3.122E-05
        B          3.0       0.59      549.      0.          0.        82.0    57.0     82.0      2.272E-05  2.081E-05  2.081E-05
        B          5.0       0.32      549.      0.          0.        82.0    57.0     82.0      1.363E-05  1.249E-05  1.249E-05

        C          0.8       0.05      549.      0.          0.        62.2    35.4     62.2      1.927E-04  1.614E-04  1.614E-04
        C          1.0       0.22      549.      0.          0.        62.2    35.4     62.2      1.445E-04  1.210E-04  1.210E-04
        C          1.5       0.65      549.      0.          0.        62.2    35.4     62.2      9.636E-05  8.070E-05  8.070E-05
        C          2.0       0.97      549.      0.          0.        62.2    35.4     62.2      7.227E-05  6.052E-05  6.052E-05
        C          3.0       1.13      549.      0.          0.        62.2    35.4     62.2      4.818E-05  4.035E-05  4.035E-05
        C          5.0       0.65      549.      0.          0.        62.2    35.4     62.2      2.891E-05  2.421E-05  2.421E-05
```

D	0.5	0.54	549.	0.	0.	43.8	19.8	87.6	3.667E-04	4.915E-04	3.667E-04
D	0.8	2.05	549.	0.	0.	43.8	19.8	87.6	2.445E-04	3.277E-04	2.445E-04
D	1.0	3.99	549.	0.	0.	43.8	19.8	87.6	1.834E-04	2.457E-04	1.834E-04
D	1.5	8.78	549.	0.	0.	43.8	19.8	87.6	1.222E-04	1.638E-04	1.222E-04
D	2.0	8.51	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05
D	3.0	9.64	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
D	5.0	4.80	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E-05
D	7.0	0.48	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
D	10.0	0.05	549.	0.	0.	43.8	19.8	43.8	3.667E-05	2.457E-05	2.457E-05
E	0.5	1.02	549.	0.	0.	31.2	13.9	93.5	4.901E-04	7.400E-04	4.901E-04
E	0.8	5.87	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
E	1.0	9.86	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E-04	2.450E-04
E	1.5	11.48	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
E	2.0	5.12	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E-04	1.225E-04
E	3.0	3.39	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E-04	1.225E-04
E	5.0	2.16	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
E	7.0	0.32	549.	0.	0.	31.2	13.9	31.2	1.050E-04	5.285E-05	5.285E-05
F	0.5	0.43	549.	0.	0.	21.5	8.8	86.0	8.401E-04	1.120E-03	8.401E-04
F	0.8	1.72	549.	0.	0.	21.5	8.8	86.0	5.600E-04	7.467E-04	5.600E-04
F	1.0	4.20	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04
F	1.5	2.64	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
F	2.0	0.32	549.	0.	0.	21.5	8.8	86.0	2.100E-04	2.800E-04	2.100E-04
F	3.0	0.05	549.	0.	0.	21.5	8.8	51.6	2.335E-04	1.867E-04	1.867E-04
G	0.8	0.75	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04
G	1.0	1.24	549.	0.	0.	14.8	5.6	89.1	6.400E-04	1.280E-03	6.400E-04
G	1.5	0.81	549.	0.	0.	14.8	5.6	89.1	4.267E-04	8.533E-04	4.267E-04
G	2.0	0.16	549.	0.	0.	14.8	5.6	89.1	3.200E-04	6.400E-04	3.200E-04

:OMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
? RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS: COMMENTS: NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
XCLU OSITE EXCLUSION BOUNDARY CALCULATIONS:
ECTO 0 NNW SECTOR BOUNDARY DISTANCE = 549.0 METERS
, PL OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
JNCT AS A FUNCTION OF DOWNWIND DISTANCE.
R CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
NG W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
ARE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
? NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
IRD THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

34E-0	8.534E-04	8.401E-04	6.400E-04	5.600E-04	4.901E-04	4.267E-04	4.200E-04	3.667E-04	3.267E-04	3.200E-04
0.7	0.754	1.185	2.425	4.149	5.172	5.981	10.183	10.722	16.595	16.756
.032	0.03218	0.05057	0.10343	0.17698	0.22065	0.25513	0.43440	0.45739	0.70792	0.71481
00E-0	2.800E-04	2.450E-04	2.445E-04	2.100E-04	1.867E-04	1.834E-04	1.634E-04	1.614E-04	1.225E-04	1.225E-04
19.3	19.397	29.256	31.304	31.627	31.681	35.668	47.144	47.198	52.317	55.711
.827	0.82743	1.24805	1.33539	1.34918	1.35148	1.52156	2.01112	2.01342	2.23177	2.37657
22E-0	1.222E-04	1.210E-04	9.169E-05	8.070E-05	7.894E-05	7.400E-05	6.052E-05	5.285E-05	4.915E-05	4.163E-05
54.4	64.494	64.709	73.222	73.869	83.513	85.668	86.638	86.961	91.756	91.972
.751	2.75122	2.76041	3.12356	3.15114	3.56256	3.65450	3.69587	3.70966	3.91422	3.92342
35E-0	4.035E-05	3.511E-05	3.122E-05	2.457E-05	2.421E-05	2.081E-05	1.943E-05	1.296E-05	1.249E-05	9.717E-06
93.1	93.103	93.588	94.181	94.235	94.881	95.474	95.582	95.905	96.228	97.252
.971	3.97168	3.99237	4.01765	4.01995	4.04753	4.07281	4.07741	4.09120	4.10499	4.14866

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78E-0   6.478E-06   3.887E-06   2.776E-06
99.1       99.192      99.946     100.000
.231      4.23140     4.26358     4.26588
    0          X/Q PERCENTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
) X/  ORDERED X/Q-FREQUENCY VALUES, AND AS
) ON  PLOTTED ON A LOG-NORMAL GRAPH.)
NT C 0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI         CHI/Q       WITH RESPECT TO      WHEN THE WIND BLOWS
BIC   SEC/CUBIC METER   THE TOTAL TIME       INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.434
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.334
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.749
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   3.559
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   3.651

  X 0  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
       8  1      -7.06631  -7.49482  -0.12556
       8  2      -7.08202 -10.51855  -1.04530
       8  3      -7.77517 -11.25387  -1.32548
       8  4      -8.31634 -13.48691  -2.33307
       8  5      -9.00949 -16.31750  -3.80802
       8  6      -9.44677 -19.50991  -5.57738
       8  7      -9.51151     NUMXQ(K)=  7
451E     8.451E-04              0.043              1.000
328E     6.328E-04              0.128              3.000
362E     5.362E-04              0.213              5.000
228E     4.228E-04              0.427             10.000
513E     3.513E-04              0.640             15.000
061E     3.061E-04              0.853             20.000
741E     2.741E-04              1.066             25.000
499E     2.499E-04              1.280             30.000
207E     2.207E-04              1.493             35.000
949E     1.949E-04              1.706             40.000
743E     1.743E-04              1.920             45.000
574E     1.574E-04              2.133             50.000
434E     1.434E-04              2.346             55.000
315E     1.315E-04              2.560             60.000
207E     1.207E-04              2.773             65.000
066E     1.066E-04              2.986             70.000
492E     9.492E-05              3.199             75.000
502E     8.502E-05              3.413             80.000
548E     7.548E-05              3.626             85.000
940E 0   3.940E-04              0.5               11.72
 AVE 0ANNUAL AVERAGE =   5.62E-06
    OK=  8     FIVEXQ(K)= 3.940E-04     FIVEPR(K)=11.721
COME 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME /PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
ERIC DATA PERIOD: 5 YEARS OF DATA                     WIND SENSORS HEIGHT:  10.0 METER
F RE TYPE OF RELEASE: GROUND-LEVEL  no ter            DELTA-T HEIGHTS:
 OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS:  COMMENTS:  NONE
M: F PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
TER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE   N SECTOR.
ITY  STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
S      CLASS   METER/SEC  PERCENT   METERS    METERS      METERS      METERS  METERS   METERS        MEANDER   BLDG WAKE        USED
   A            AT  10.0 METERS                                                                                CA=1342.SQ.METERS
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EC-ENVR-1057
Page 486

A	1.0	0.07	549.	0.	0.	109.0	146.4	109.0	1.995E-05	1.943E-05	1.943E-05
A	1.5	0.37	549.	0.	0.	109.0	146.4	109.0	1.330E-05	1.296E-05	1.296E-05
A	2.0	1.04	549.	0.	0.	109.0	146.4	109.0	9.977E-06	9.717E-06	9.717E 06
A	3.0	2.30	549.	0.	0.	109.0	146.4	109.0	6.651E-06	6.478E-06	6.478E-06
A	5.0	2.34	549.	0.	0.	109.0	146.4	109.0	3.991E-06	3.887E-06	3.887E-06
A	7.0	0.04	549.	0.	0.	109.0	146.4	109.0	2.851E-06	2.776E 06	2.776E-06
B	1.0	0.07	549.	0.	0.	82.0	57.0	82.0	6.816E-05	6.244E-05	6.244E-05
B	1.5	0.41	549.	0.	0.	82.0	57.0	82.0	4.544E-05	4.163E-05	4.163E-05
B	2.0	0.52	549.	0.	0.	82.0	57.0	82.0	3.408E-05	3.122E-05	3.122E-05
B	3.0	1.41	549.	0.	0.	82.0	57.0	82.0	2.272E-05	2.081E-05	2.081E-05
B	5.0	0.78	549.	0.	0.	82.0	57.0	82.0	1.363E-05	1.249E-05	1.249E-05
C	1.0	0.15	549.	0.	0.	62.2	35.4	62.2	1.445E-04	1.210E-04	1.210E-04
C	1.5	0.97	549.	0.	0.	62.2	35.4	62.2	9.636E-05	8.070E-05	8.070E-05
C	2.0	1.04	549.	0.	0.	62.2	35.4	62.2	7.227E-05	6.052E-05	6.052E-05
C	3.0	1.86	549.	0.	0.	62.2	35.4	62.2	4.818E-05	4.035E-05	4.035E-05
C	5.0	1.04	549.	0.	0.	62.2	35.4	62.2	2.891E-05	2.421E-05	2.421E-05
D	0.5	0.11	549.	0.	0.	43.8	19.8	87.6	3.667E-04	4.915E-04	3.667E-04
D	0.8	0.97	549.	0.	0.	43.8	19.8	87.6	2.445E-04	3.277E-04	2.445E-04
D	1.0	3.12	549.	0.	0.	43.8	19.8	87.6	1.834E-04	2.457E-04	1.834E-04
D	1.5	7.81	549.	0.	0.	43.8	19.8	87.6	1.222E-04	1.638E-04	1.222E-04
D	2.0	7.58	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05
D	3.0	9.55	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
D	5.0	3.94	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E 05
D	7.0	0.26	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
E	0.5	0.37	549.	0.	0.	31.2	13.9	93.5	4.901E-04	7.400E-04	4.901E-04
E	0.8	2.79	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
E	1.0	8.03	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E-04	2.450E-04
E	1.5	15.35	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
E	2.0	7.17	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E-04	1.225E-04
E	3.0	5.61	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E-04	1.225E-04
E	5.0	1.82	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
E	7.0	0.67	549.	0.	0.	31.2	13.9	31.2	1.050E-04	5.285E-05	5.285E-05
F	0.5	0.07	549.	0.	0.	21.5	8.8	86.0	8.401E-04	1.120E-03	8.401E-04
F	0.8	1.08	549.	0.	0.	21.5	8.8	86.0	5.600E-04	7.467E-04	5.600E-04
F	1.0	2.90	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04
F	1.5	4.50	549.	0.	0.	21.5	8.8	86.0	2.800E 04	3.733E-04	2.800E-04
F	2.0	0.52	549.	0.	0.	21.5	8.8	86.0	2.100E-04	2.800E-04	2.100E-04
F	3.0	0.04	549.	0.	0.	21.5	8.8	51.6	2.335E-04	1.867E-04	1.867E-04
F	5.0	0.04	549.	0.	0.	21.5	8.8	27.1	2.670E-04	1.120E-04	1.120E-04
G	0.8	0.19	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04
G	1.0	0.45	549.	0.	0.	14.8	5.6	89.1	6.400E-04	1.280E-03	6.400E-04
G	1.5	0.63	549.	0.	0.	14.8	5.6	89.1	4.267E-04	8.533E-04	4.267E-04

:OMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2
ERIO DATA PERIOD: 5 YEARS OF DATA
RE TYPE OF RELEASE: GROUND-LEVEL, no ter
OF SOURCE OF DATA: S:\PAVAN\JPT.DOC
S: COMMENTS: NONE

METEOROLOGICAL INSTRUMENTATION
WIND SENSORS HEIGHT: 10.0 METER
DELTA-T HEIGHTS:

1: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
(CLU OSITE EXCLUSION BOUNDARY CALCULATIONS:
ECTO 0 N SECTOR BOUNDARY DISTANCE = 549.0 METERS
PL OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED

JNCT AS A FUNCTION OF DOWNWIND DISTANCE.
ℓ CR MEANDER CREDTT IS FOR WINDSPEEDS LESS THAN 6 MPS.
NG W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
ARE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
ℓ NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
CRD : THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

34E-0	8.534E-04	8.401E-04	6.400E-04	5.600E-04	4.901E-04	4.267E-04	4.200E-04	3.667E-04	3.267E-04	2.800E-04
0.1	0.186	0.260	0.706	1.784	2.156	2.788	5.688	5.799	8.587	13.086
.011	0.01149	0.01609	0.04367	0.11032	0.13331	0.17238	0.35166	0.35855	0.53094	0.80905
50E-0	2.450E-04	2.445E-04	2.100E-04	1.867E-04	1.834E-04	1.634E-04	1.225E-04	1.225E-04	1.222E-04	1.210E-04
21.1	21.115	22.082	22.602	22.639	25.762	41.115	48.290	53.903	61.710	61.859
.305	1.30551	1.36527	1.39744	1.39974	1.59281	2.54206	2.98566	3.33272	3.81539	3.82458
20E-0	1.120E-04	9.169E-05	8.070E-05	7.894E-05	7.400E-05	6.244E-05	6.052E-05	5.285E-05	4.915E-05	4.163E-05
51.8	61.896	69.480	70.446	80.000	81.822	81.896	82.937	83.606	87.546	87.955
.826	3.82688	4.29576	4.35552	4.94622	5.05884	5.06344	5.12779	5.16916	5.41280	5.43808
35E-0	4.035E-05	3.511E-05	3.122E-05	2.421E-05	2.081E-05	1.943E-05	1.296E-05	1.249E-05	9.717E-06	6.478E-06
39.8	89.814	90.074	90.595	91.636	93.048	93.123	93.494	94.275	95.316	97.621
.553	5.55300	5.56909	5.60127	5.66562	5.75296	5.75756	5.78055	5.82881	5.89317	6.03567
37E-0	3.887E-06	2.776E-06								
99.9	99.963	100.000								
.180	6.18047	6.18277								

0 X/Q PERCENTILES
ON ' (BASED ON THE UPPER ENVELOPE OF THE
ℓ X/ ORDERED X/Q-FREQUENCY VALUES, AND AS
ℓ ON PLOTTED ON A LOG NORMAL GRAPH.)
NT 00 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

CHI	CHI/Q	WITH RESPECT TO	WHEN THE WIND BLOWS
BIC	SEC/CUBIC METER	THE TOTAL TIME	INTO THIS SECTOR ONLY

HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(5)= 1.364
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(6)= 2.540
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(7)= 3.812
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(8)= 4.943
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(9)= 5.055

X0	K	I	XQSAVE(K,I)	XQINT(K,I)	XQSLOP(K,I)
	9	1	-7.06631	-7.73480	-0.18147
	9	2	-7.08202	-9.80312	-0.75644
	9	3	-7.48749	-9.89645	-0.78693
	9	4	-7.77517	-10.76401	-1.10876
	9	5	-8.31634	-11.81673	-1.58563
	9	6	-8.71960	-11.85957	-1.60756
	9	7	-9.00949	-15.33986	-3.57059
	9	8	-9.44677	-19.23182	-5.92871
	9	9	-9.51151	NUMXQ(K)= 9	

166E	6.366E-04	0.062	1.000
942E	4.942E-04	0.185	3.000
344E	4.344E-04	0.309	5.000
389E	3.389E-04	0.618	10.000
879E	2.879E-04	0.927	15.000
551E	2.551E-04	1.237	20.000
262E	2.262E-04	1.546	25.000
014E	2.014E-04	1.855	30.000
820E	1.820E-04	2.164	35.000
664E	1.664E-04	2.473	40.000
534E	1.534E-04	2.782	45.000
424E	1.424E-04	3.091	50.000
330E	1.330E-04	3.401	55.000
248E	1.248E-04	3.710	60.000
122E	1.122E-04	4.019	65.000

EC-ENVR-1057
Page 488

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913E      9.913E-05              4.328              70.000
819E      8.819E-05              4.637              75.000
894E      7.894E-05              4.946              80.000
679E 0    3.679E-04              0.5                 8.09
 AVE 0ANNUAL AVERAGE =    6.67E-06
    0K=  9      FIVEXQ(K)= 3.679E-04      FIVERR(K)= 8.087
COMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME:  COMPARISON CASE 2                   METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA                     WIND SENSORS HEIGHT:  10.0 METER
? RE TYPE OF RELEASE: GROUND-LEVEL  no tor            DELTA-T HEIGHTS:
 OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS:  COMMENTS:  NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
TER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE NNE SECTOR.
TTY  STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
3      CLASS   METER/SEC  PERCENT   METERS    METERS      METERS     METERS  METERS   METERS        MEANDER   BLDG WAKE      USED
  A            AT  10.0 METERS                                                                                CA=1342.SQ.METERS

      A        1.5        0.39      549.      0.          0.         109.0   146.4    109.0        1.330E-05  1.296E-05  1.296E-05
      A        2.0        1.24      549.      0.          0.         109.0   146.4    109.0        9.977E-06  9.717E-06  9.717E-06
      A        3.0        3.42      549.      0.          0.         109.0   146.4    109.0        6.651E-06  6.478E-06  6.478E-06
      A        5.0        2.87      549.      0.          0.         109.0   146.4    109.0        3.991E-06  3.887E-06  3.887E-06
      A        7.0        0.13      549.      0.          0.         109.0   146.4    109.0        2.851E-06  2.776E-06  2.776E-06

      B        1.0        0.03      549.      0.          0.          82.0    57.0     82.0        6.816E-05  6.244E-05  6.244E-05
      B        1.5        0.36      549.      0.          0.          82.0    57.0     82.0        4.544E-05  4.163E-05  4.163E-05
      B        2.0        1.27      549.      0.          0.          82.0    57.0     82.0        3.408E-05  3.122E-05  3.122E-05
      B        3.0        1.79      549.      0.          0.          82.0    57.0     82.0        2.272E-05  2.081E-05  2.081E-05
      B        5.0        0.91      549.      0.          0.          82.0    57.0     82.0        1.363E-05  1.249E-05  1.249E-05
      B        7.0        0.10      549.      0.          0.          82.0    57.0     82.0        9.737E-06  8.920E-06  8.920E-06

      C        1.0        0.03      549.      0.          0.          62.2    35.4     62.2        1.445E-04  1.210E-04  1.210E-04
      C        1.5        0.78      549.      0.          0.          62.2    35.4     62.2        9.636E-05  8.070E-05  8.070E-05
      C        2.0        1.14      549.      0.          0.          62.2    35.4     62.2        7.227E-05  6.052E-05  6.052E-05
      C        3.0        2.48      549.      0.          0.          62.2    35.4     62.2        4.818E-05  4.035E-05  4.035E-05
      C        5.0        0.55      549.      0.          0.          62.2    35.4     62.2        2.891E-05  2.421E-05  2.421E-05
      C        7.0        0.07      549.      0.          0.          62.2    35.4     62.2        2.065E-05  1.729E-05  1.729E-05

      D        0.8        0.49      549.      0.          0.          43.8    19.8     87.6        2.445E-04  3.277E-04  2.445E-04
      D        1.0        1.76      549.      0.          0.          43.8    19.8     87.6        1.834E-04  2.457E-04  1.834E-04
      D        1.5        7.18      549.      0.          0.          43.8    19.8     87.6        1.222E-04  1.638E-04  1.222E-04
      D        2.0        7.89      549.      0.          0.          43.8    19.8     87.6        9.169E-05  1.229E-04  9.169E-05
      D        3.0       12.00      549.      0.          0.          43.8    19.8     67.9        7.894E-05  8.191E-05  7.894E-05
      D        5.0        4.53      549.      0.          0.          43.8    19.8     49.2        6.538E-05  4.915E-05  4.915E-05
      D        7.0        0.07      549.      0.          0.          43.8    19.8     43.8        5.239E-05  3.511E-05  3.511E-05

      E        0.5        0.10      549.      0.          0.          31.2    13.9     93.5        4.901E-04  7.400E-04  4.901E-04
      E        0.8        1.37      549.      0.          0.          31.2    13.9     93.5        3.267E-04  4.933E-04  3.267E-04
      E        1.0        4.11      549.      0.          0.          31.2    13.9     93.5        2.450E-04  3.700E-04  2.450E-04
      E        1.5       12.95      549.      0.          0.          31.2    13.9     93.5        1.634E-04  2.467E-04  1.634E-04
      E        2.0       10.89      549.      0.          0.          31.2    13.9     93.5        1.225E-04  1.850E-04  1.225E-04
      E        3.0       10.08      549.      0.          0.          31.2    13.9     62.3        1.225E-04  1.233E-04  1.225E-04
      E        5.0        2.74      549.      0.          0.          31.2    13.9     37.4        1.225E-04  7.400E-05  7.400E-05
      E        7.0        0.13      549.      0.          0.          31.2    13.9     31.2        1.050E-04  5.285E-05  5.285E-05

      F        0.5        0.03      549.      0.          0.          21.5     8.8     86.0        8.401E-04  1.120E-03  8.401E-04
      F        0.8        0.52      549.      0.          0.          21.5     8.8     86.0        5.600E-04  7.467E-04  5.600E-04
      F        1.0        0.78      549.      0.          0.          21.5     8.8     86.0        4.200E-04  5.600E-04  4.200E-04
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F	1.5	2.64	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
F	2.0	1.21	549.	0.	0.	21.5	8.8	86.0	2.100E-04	2.800E-04	2.100E-04
F	3.0	0.13	549.	0.	0.	21.5	8.8	51.6	2.335E-04	1.867E-04	1.867E-04
F	5.0	0.03	549.	0.	0.	21.5	8.8	27.1	2.670E-04	1.120E-04	1.120E-04
G	0.5	0.03	549.	0.	0.	14.8	5.6	89.1	1.280E-03	2.560E-03	1.280E-03
G	0.8	0.07	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04
G	1.0	0.26	549.	0.	0.	14.8	5.6	89.1	6.400E-04	1.280E-03	6.400E-04
G	1.5	0.23	549.	0.	0.	14.8	5.6	89.1	4.267E-04	8.533E-04	4.267E-04
G	2.0	0.16	549.	0.	0.	14.8	5.6	89.1	3.200E-04	6.400E-04	3.200E-04
G	3.0	0.03	549.	0.	0.	14.8	5.6	46.0	4.133E-04	4.266E-04	4.133E-04

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COMI 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAMI /PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
ERIC DATA PERIOD: 5 YEARS OF DATA                     WIND SENSORS HEIGHT:  10.0 METER
F RI TYPE OF RELEASE: GROUND-LEVEL  no ter            DELTA-T HEIGHTS:
 OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS:  COMMENTS:  NONE
M: I PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
XCLU OSITE EXCLUSION BOUNDARY CALCULATIONS:
ECTC O NNE SECTOR      BOUNDARY DISTANCE =  549.0 METERS
L PI OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
UNCT AS A FUNCTION OF DOWNWIND DISTANCE.
R CI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
NG W BUILDING WAKE CREDIT ALLOWED:   C=  0.5     A=  2685.     D=   60.0
ARE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
P NU THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
IRD  THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
80E-0   1.280E-03   8.534E-04   8.401E-04   6.400E-04   5.600E-04   4.901E-04   4.267E-04   4.200E-04   4.133E-04   3.267E-04
 0.0       0.033       0.098       0.130       0.391       0.913       1.011       1.239       2.022       2.055       3.425
.002     0.00230     0.00690     0.00919     0.02758     0.06436     0.07125     0.08734     0.14250     0.14480     0.24133
00E-0   3.200E-04   2.800E-04   2.450E-04   2.445E-04   2.100E-04   1.867E-04   1.834E-04   1.634E-04   1.225E-04   1.225E-04
 3.5       3.588       6.230      10.339      10.828      12.035      12.166      13.927      26.875      37.769      47.847
.252     0.25283     0.43900     0.72860     0.76308     0.84812     0.85731     0.98143     1.89390     2.66158     3.37179
22E-0   1.222E-04   1.210E-04   1.120E-04   9.169E-05   8.070E-05   7.894E-05   7.400E-05   6.244E-05   6.052E-05   5.285E-05
55.0      55.023      55.055      55.088      62.981      63.764      75.766      78.506      78.539      79.680      79.811
.877     3.87745     3.87975     3.88204     4.43826     4.49343     5.33925     5.53232     5.53461     5.61506     5.62425
15E-0   4.915E-05   4.163E-05   4.035E-05   3.511E-05   3.122E-05   2.421E-05   2.081E-05   1.729E-05   1.296E-05   1.249E-05
84.3      84.344      84.703      87.182      87.247      88.519      89.074      90.868      90.933      91.324      92.237
.943     5.94373     5.96902     6.14370     6.14829     6.23793     6.27701     6.40342     6.40802     6.43560     6.49995
17E-0   9.717E-06   8.920E-06   6.478E-06   3.887E-06   2.776E-06
93.4      93.477      93.575      96.999      99.870     100.000
.587     6.58729     6.59419     6.83552     7.03779     7.04698
   0          X/Q PERCENTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
D X/  ORDERED X/Q-FREQUENCY VALUES, AND AS
D ON  PLOTTED ON A LOG-NORMAL GRAPH.)
NT C O PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI          CHI/Q       WITH RESPECT TO      WHEN THE WIND BLOWS
3TC  SEC/CUBIC METER  THE TOTAL TIME       INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.762
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   3.874
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   5.335
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   5.529

  X 0  K  T   XQSAVE(K,T)  XQINT(K,I) XQSLOP(K,I)
     10  1     -6.66084 -10.59566  -0.96554
     10  2     -7.48749  10.85403  -1.04580
     10  3      8.31634 -10.86067  -1.04854
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      10  4       -9.00949 -14.07782  -2.87079
      10  5       -9.44677 -15.40556  -3.69386
      10  6       -9.51151      NUMXQ(K)=  6
150E      5.450E-04                0.070                1.000
351E      3.851E-04                0.211                3.000
237E      3.237E-04                0.352                5.000
519E      2.519E-04                0.705               10.000
154E      2.154E-04                1.057               15.000
918E      1.918E-04                1.409               20.000
747E      1.747E-04                1.762               25.000
615E      1.615E-04                2.114               30.000
509E      1.509E-04                2.466               35.000
420E      1.420E-04                2.819               40.000
345E      1.345E-04                3.171               45.000
280E      1.280E-04                3.523               50.000
223E      1.223E-04                3.876               55.000
089E      1.089E-04                4.228               60.000
768E      9.768E-05                4.581               65.000
819E      8.819E-05                4.933               70.000
008E      8.008E-05                5.285               75.000
859E0     2.859E-04                0.5                  7.10
 AVE0ANNUAL AVERAGE =    5.98E-06
    0K= 10      FTVEXQ(K)= 2.859E-04      FIVEPR(K)= 7.095
COMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
SRIO DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
? RE TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS:
 OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS:  COMMENTS:  NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
TER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE  NE SECTOR.
LTY  STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
3      CLASS   METER/SEC  PERCENT   METERS    METERS      METERS     METERS  METERS   METERS       MEANDER   BLDG WAKE        USED
  A            AT  10.0 METERS                                                                          CA=1342.SQ.METERS

        A         1.0       0.02      549.      0.          0.        109.0   146.4    109.0      1.995E-05  1.943E-05  1.943E-05
        A         1.5       0.22      549.      0.          0.        109.0   146.4    109.0      1.330E-05  1.296E-05  1.296E-05
        A         2.0       0.84      549.      0.          0.        109.0   146.4    109.0      9.977E-06  9.717E-06  9.717E-06
        A         3.0       3.90      549.      0.          0.        109.0   146.4    109.0      6.651E-06  6.478E-06  6.478E-06
        A         5.0       5.76      549.      0.          0.        109.0   146.4    109.0      3.991E-06  3.887E-06  3.887E-06
        A         7.0       0.62      549.      0.          0.        109.0   146.4    109.0      2.851E-06  2.776E-06  2.776E-06
        A        10.0       0.02      549.      0.          0.        109.0   146.4    109.0      1.995E-06  1.943E-06  1.943E-06

        B         1.5       0.09      549.      0.          0.         82.0    57.0     82.0      4.544E-05  4.163E-05  4.163E-05
        B         2.0       0.79      549.      0.          0.         82.0    57.0     82.0      3.408E-05  3.122E-05  3.122E-05
        B         3.0       2.32      549.      0.          0.         82.0    57.0     82.0      2.272E-05  2.081E-05  2.081E-05
        B         5.0       3.86      549.      0.          0.         82.0    57.0     82.0      1.363E-05  1.249E-05  1.249E-05
        B         7.0       0.68      549.      0.          0.         82.0    57.0     82.0      9.737E-06  8.920E-06  8.920E-06
        B        10.0       0.09      549.      0.          0.         82.0    57.0     82.0      6.816E-06  6.244E-06  6.244E-06

        C         1.0       0.02      549.      0.          0.         62.2    35.4     62.2      1.445E-04  1.210E-04  1.210E-04
        C         1.5       0.40      549.      0.          0.         62.2    35.4     62.2      9.636E-05  8.070E-05  8.070E-05
        C         2.0       0.95      549.      0.          0.         62.2    35.4     62.2      7.227E-05  6.052E-05  6.052E-05
        C         3.0       3.22      549.      0.          0.         62.2    35.4     62.2      4.818E-05  4.035E-05  4.035E-05
        C         5.0       4.10      549.      0.          0.         62.2    35.4     62.2      2.891E-05  2.421E-05  2.421E-05
        C         7.0       0.82      549.      0.          0.         62.2    35.4     62.2      2.065E-05  1.729E-05  1.729E-05
        C        10.0       0.02      549.      0.          0.         62.2    35.4     62.2      1.445E-05  1.210E-05  1.210E-05
```

D	0.5	0.02	549.	0.	0.	43.8	19.8	87.6	3.667E-04	4.915E-04	3.667E-04
D	0.8	0.18	549.	0.	0.	43.8	19.8	87.6	2.445E-04	3.277E 04	2.445E-04
D	1.0	0.64	549.	0.	0.	43.8	19.8	87.6	1.834E-04	2.457E-04	1.834E-04
D	1.5	4.26	549.	0.	0.	43.8	19.8	87.6	1.222E 04	1.638E-04	1.222E-04
D	2.0	5.34	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05
D	3.0	13.10	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
D	5.0	19.06	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E-05
D	7.0	3.75	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
D	10.0	0.15	549.	0.	0.	43.8	19.8	43.8	3.667E-05	2.457E-05	2.457E-05
E	0.5	0.04	549.	0.	0.	31.2	13.9	93.5	4.901E-04	7.400E-04	4.901E-04
E	0.8	0.31	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
E	1.0	0.86	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E 04	2.450E-04
E	1.5	4.15	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
E	2.0	4.61	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E-04	1.225E-04
E	3.0	7.57	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E-04	1.225E-04
E	5.0	4.63	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
E	7.0	0.22	549.	0.	0.	31.2	13.9	31.2	1.050E-04	5.285E-05	5.285E-05
E	10.0	0.02	549.	0.	0.	31.2	13.9	31.2	7.351E-05	3.700E-05	3.700E-05
F	0.5	0.02	549.	0.	0.	21.5	8.8	86.0	8.401E-04	1.120E-03	8.401E-04
F	0.8	0.09	549.	0.	0.	21.5	8.8	86.0	5.600E-04	7.467E-04	5.600E-04
F	1.0	0.33	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04
F	1.5	0.84	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
F	2.0	0.46	549.	0.	0.	21.5	8.8	86.0	2.100E-04	2.800E-04	2.100E-04
F	3.0	0.42	549.	0.	0.	21.5	8.8	51.6	2.335E-04	1.867E-04	1.867E-04
F	5.0	0.04	549.	0.	0.	21.5	8.8	27.1	2.670E-04	1.120E-04	1.120E-04
G	0.8	0.04	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04
G	1.0	0.07	549.	0.	0.	14.8	5.6	89.1	6.400E-04	1.280E 03	6.400E-04
G	1.5	0.02	549.	0.	0.	14.8	5.6	89.1	4.267E-04	8.533E-04	4.267E-04
G	3.0	0.02	549.	0.	0.	14.8	5.6	46.0	4.133E-04	4.266E-04	4.133E-04

:OMP 1USNRC COMPUTER CODE PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME /PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
? RE TYPE OF RELEASE: GROUND LEVEL no ter DELTA-T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\JPT.DOC
TS: COMMENTS: NONE
M: E PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
XCLU OSITE EXCLUSION BOUNDARY CALCULATIONS:
ECTO 0 NE SECTOR BOUNDARY DISTANCE = 549.0 METERS
L PI OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
UNCT AS A FUNCTION OF DOWNWIND DISTANCE.
R CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
NG W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
ARE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
P NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
IRD THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

34E-0	8.534E-04	8.401E-04	6.400E-04	5.600E-04	4.901E-04	4.267E-04	4.200E-04	4.133E-04	3.667E-04	3.267E-04
0.0	0.044	0.066	0.132	0.221	0.265	0.287	0.618	0.640	0.662	0.970
.004	0.00460	0.00690	0.01379	0.02298	0.02758	0.02988	0.06436	0.06665	0.06895	0.10113
00E-0	2.800E-04	2.450E-04	2.445E-04	2.100E-04	1.867E-04	1.834E-04	1.634E-04	1.225E-04	1.225E-04	1.222E-04
1.8	1.809	2.669	2.845	3.308	3.727	4.367	8.513	13.123	20.688	24.945
.188	0.18847	0.27811	0.29650	0.34476	0.38843	0.45509	0.88719	1.36756	2.15593	2.59952
10E-0	1.210E-04	1.120E-04	9.169E-05	8.070E-05	7.894E-05	7.400E-05	6.052E-05	5.285E-05	4.915E-05	4.163E-05
24.9	24.967	25.011	30.348	30.745	43.846	48.478	49.427	49.647	68.703	68.791
.601	2.60182	2.60642	3.16264	3.20401	4.56927	5.05194	5.15078	5.17376	7.15960	7.16880
35E-0	4.035E-05	3.700E-05	3.511E-05	3.122E-05	2.457E-05	2.421E-05	2.081E-05	1.943E-05	1.729E-05	1.296E-05

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72.0        72.011      72.034      75.783      76.577      76.731      80.834      83.150      83.172      83.988      84.208
.504      7.50437     7.50667     7.89740     7.98014     7.99623     8.42374     8.66507     8.66737     8.75241     8.77540
49E-0   1.249E-05   1.210E-05   9.717E 06   8.920E-06   6.478E-06   6.244E-06   3.887E-06   2.776E-06   1.943E-06
98.0        88.068      88.090      88.928      89.612      93.516      93.604      99.360      99.978     100.000
.177      9.17762     9.17992     9.26726     9.33851     9.74533     9.75453    10.35442    10.41877    10.42107
    0          X/Q PERCENTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
D X/  ORDERED X/Q-FREQUENCY VALUES, AND AS
D ON  PLOTTED ON A LOG-NORMAL GRAPH.)
NT C 0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI         CHI/Q       WITH RESPECT TO      WHEN THE WIND BLOWS
BIC   SEC/CUBIC METER   THE TOTAL TIME       INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.064
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   0.296
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   5.048
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   7.156

   X 0  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
       11  1      -7.06631  -7.68704  -0.15871
       11  2       7.08202 -11.53864  -1.16911
       11  3       7.77517 -11.50483  -1.15861
       11  4      -8.31634 -10.67611  -0.85747
       11  5      -9.00949 -12.22505  -1.65440
       11  6      -9.51151 -13.32651  -2.32594
       11  7      -9.92066     NUMXQ(K)=  7
568E      3.568E-04              0.104              1.000
409E      2.409E-04              0.313              3.000
077E      2.077E-04              0.521              5.000
675E      1.675E-04              1.042             10.000
464E      1.464E-04              1.563             15.000
324E      1.324E-04              2.084             20.000
221E      1.221E-04              2.605             25.000
070E      1.070E-04              3.126             30.000
537E      9.537E-05              3.647             35.000
611E      8.611E-05              4.168             40.000
852E      7.852E-05              4.689             45.000
145E      7.145E-05              5.211             50.000
404E      6.404E-05              5.732             55.000
783E      5.783E-05              6.253             60.000
256E      5.256E-05              6.774             65.000
103E 0    2.103E-04              0.5                4.80
 AVE 0ANNUAL AVERAGE =   5.20E-06
    0K= 11     FIVEXQ(K)= 2.103E-04     FIVEPR(K)= 4.798
COMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME /PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
ERIC  DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
F RE  TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA T HEIGHTS:
 OF   SOURCE OF DATA: S:\PAVAN\JPT.DOC
TS:   COMMENTS:  NONE
M: P  PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
PER  0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE ENE SECTOR.
ITY   STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
S       CLASS   METER/SEC  PERCENT   METERS    METERS      METERS     METERS  METERS   METERS        MEANDER   BLDG WAKE        USED
   A            AT  10.0 METERS                                                                                CA=1342.SQ.METERS

        A          1.5       0.15      549.       0.          0.       109.0   146.4    109.0       1.330E-05  1.296E-05  1.296E-05
        A          2.0       0.27      549.       0.          0.       109.0   146.4    109.0       9.977E-06  9.717E-06  9.717E-06
        A          3.0       1.11      549.       0.          0.       109.0   146.4    109.0       6.651E-06  6.478E-06  6.478E-06
```

A	5.0	4.78	549.	0.	0.	109.0	146.4	109.0	3.991E-06	3.887E-06	3.887E-06
A	7.0	1.34	549.	0.	0.	109.0	146.4	109.0	2.851E-06	2.776E-06	2.776E-06
A	10.0	0.08	549.	0.	0.	109.0	146.4	109.0	1.995E-06	1.943E-06	1.943E-06
B	1.0	0.04	549.	0.	0.	82.0	57.0	82.0	6.816E-05	6.244E-05	6.244E-05
B	1.5	0.04	549.	0.	0.	82.0	57.0	82.0	4.544E-05	4.163E-05	4.163E-05
B	2.0	0.27	549.	0.	0.	82.0	57.0	82.0	3.408E-05	3.122E-05	3.122E-05
B	3.0	0.88	549.	0.	0.	82.0	57.0	82.0	2.272E-05	2.081E-05	2.081E-05
B	5.0	3.83	549.	0.	0.	82.0	57.0	82.0	1.363E-05	1.249E-05	1.249E-05
B	7.0	1.64	549.	0.	0.	82.0	57.0	82.0	9.737E-06	8.920E-06	8.920E-06
B	10.0	0.08	549.	0.	0.	82.0	57.0	82.0	6.816E-06	6.244E-06	6.244E-06
C	1.0	0.04	549.	0.	0.	62.2	35.4	62.2	1.445E-04	1.210E-04	1.210E-04
C	1.5	0.11	549.	0.	0.	62.2	35.4	62.2	9.636E-05	8.070E-05	8.070E-05
C	2.0	0.42	549.	0.	0.	62.2	35.4	62.2	7.227E-05	6.052E-05	6.052E-05
C	3.0	1.45	549.	0.	0.	62.2	35.4	62.2	4.818E-05	4.035E-05	4.035E-05
C	5.0	5.32	549.	0.	0.	62.2	35.4	62.2	2.891E-05	2.421E-05	2.421E-05
C	7.0	2.33	549.	0.	0.	62.2	35.4	62.2	2.065E-05	1.729E-05	1.729E-05
C	10.0	0.27	549.	0.	0.	62.2	35.4	62.2	1.445E-05	1.210E-05	1.210E-05
D	0.8	0.11	549.	0.	0.	43.8	19.8	87.6	2.445E-04	3.277E-04	2.445E-04
D	1.0	0.57	549.	0.	0.	43.8	19.8	87.6	1.834E-04	2.457E-04	1.834E-04
D	1.5	3.33	549.	0.	0.	43.8	19.8	87.6	1.222E-04	1.638E-04	1.222E-04
D	2.0	5.05	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05
D	3.0	9.72	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
D	5.0	23.99	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E-05
D	7.0	16.26	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
D	10.0	3.44	549.	0.	0.	43.8	19.8	43.8	3.667E-05	2.457E-05	2.457E-05
D	13.0	0.04	549.	0.	0.	43.8	19.8	43.8	2.821E-05	1.890E-05	1.890E-05
E	0.8	0.15	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
E	1.0	0.46	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E-04	2.450E-04
E	1.5	2.45	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
E	2.0	3.06	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E-04	1.225E-04
E	3.0	3.18	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E-04	1.225E-04
E	5.0	2.33	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
E	7.0	0.54	549.	0.	0.	31.2	13.9	31.2	1.050E-04	5.285E-05	5.285E-05
E	10.0	0.11	549.	0.	0.	31.2	13.9	31.2	7.351E-05	3.700E-05	3.700E-05
F	1.0	0.19	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04
F	1.5	0.23	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
F	2.0	0.15	549.	0.	0.	21.5	8.8	86.0	2.100E-04	2.800E-04	2.100E-04
F	3.0	0.11	549.	0.	0.	21.5	8.8	51.6	2.335E-04	1.867E-04	1.867E-04
F	5.0	0.04	549.	0.	0.	21.5	8.8	27.1	2.670E-04	1.120E-04	1.120E-04
G	0.8	0.04	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04

COMI 1USNRC COMPUTER CODE PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAMI /PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIC DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
F RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS: COMMENTS: NONE
M: I PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
XCLU OSITE EXCLUSION BOUNDARY CALCULATIONS:
ECTC 0 ENE SECTOR BOUNDARY DISTANCE = 549.0 METERS
L PI OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
UNCT AS A FUNCTION OF DOWNWIND DISTANCE.
R CI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.

```
NG W  BUILDING WAKE CREDIT ALLOWED:   C=  0.5     A=  2685.     D=   60.0
ARE 0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
P NU  THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
IRD  THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
34E-0   8.534E-04   4.200E-04   3.267E-04   2.800E-04   2.450E-04   2.445E-04   2.100E-04   1.867E-04   1.834E-04   1.634E-04
 0.0        0.038       0.230       0.383       0.612       1.071       1.186       1.339       1.454       2.028       4.476
.002      0.00230     0.01379     0.02298     0.03677     0.06436     0.07125     0.08044     0.08734     0.12182     0.26892
25E-0   1.225E-04   1.225E-04   1.222E-04   1.210E-04   1.120E-04   9.169E-05   8.070E-05   7.894E-05   7.400E-05   6.244E-05
 7.5        7.536      10.712      14.040      14.078      14.116      19.166      19.281      28.998      31.331      31.370
.452      0.45279     0.64356     0.84352     0.84582     0.84812     1.15151     1.15841     1.74221     1.88241     1.88471
52E-0   6.052E-05   5.285E-05   4.915E-05   4.163E-05   4.035E-05   3.700E-05   3.511E-05   3.122E-05   2.457E-05   2.421E-05
31.7       31.790      32.326      56.312      56.350      57.804      57.919      74.178      74.445      77.888      83.206
.909      1.90999     1.94217     3.38329     3.38558     3.47292     3.47982     4.45665     4.47274     4.67960     4.99908
81E-0   2.081E-05   1.890E-05   1.729E-05   1.296E-05   1.249E-05   1.210E-05   9.717E-06   8.920E-06   6.478E-06   6.244E-06
84.0       84.086      84.124      86.458      86.611      90.436      90.704      90.972      92.617      93.726      93.803
.051      5.05194     5.05424     5.19445     5.20364     5.43348     5.44957     5.46566     5.56449     5.63115     5.63575
87E-0   3.887E-06   2.776E-06   1.943E-06
98.5       98.585      99.923     100.000
.922      5.92305     6.00349     6.00809
    0          X/Q PERCENTTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
D X/  ORDERED X/Q-FREQUENCY VALUES, AND AS
D ON  PLOTTED ON A LOG-NORMAL GRAPH.)
NT C 0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
BIC  SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=   0.269
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.740
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   3.380
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.453

  > 0  K  1   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
      12  1      -7.06631 -12.28349  -1.28022
      12  2      -8.71960 -10.76849  -0.73600
      12  3      -9.00949 -12.75073  -1.56540
      12  4      -9.44677 -12.98134  -1.67467
      12  5      -9.92066 -14.75249  -2.64376
      12  6     -10.25713      NUMXQ(K)=  6
925E      2.925E-04              0.060              1.000
923E      1.923E-04              0.180              3.000
591E      1.591E-04              0.300              5.000
337E      1.337E-04              0.601             10.000
177E      1.177E-04              0.901             15.000
928E      9.928E-05              1.202             20.000
664E      8.664E-05              1.502             25.000
714E      7.714E-05              1.802             30.000
937E      6.937E-05              2.103             35.000
314E      6.314E-05              2.403             40.000
802E      5.802E-05              2.704             45.000
371E      5.371E-05              3.004             50.000
003E      5.003E-05              3.304             55.000
555E      4.555E-05              3.605             60.000
134E      4.134E-05              3.905             65.000
774E      3.774E-05              4.206             70.000
402E 0    1.402E-04              0.5                8.32
 AVE 0ANNUAL AVERAGE =    2.31E-06
     0K= 12      FIVEXQ(K)= 1.402E-04      FIVEPR(K)= 8.322
COMI 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12
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EC-ENVR-1057
Page 495

NAME /PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIC DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
F RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\DFT.DOC
TS: COMMENTS: NONE
M: I PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
TER OPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE E SECTOR.

ITY S	STABILITY CLASS	WINDSPEED METER/SEC AT 10.0 METERS	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE CA=1342.SQ.METERS	USED
	A	1.5	0.08	549.	0.	0.	109.0	146.4	109.0	1.330E-05	1.296E-05	1.296E-05
	A	2.0	0.16	549.	0.	0.	109.0	146.4	109.0	9.977E-06	9.717E-06	9.717E-06
	A	3.0	0.31	549.	0.	0.	109.0	146.4	109.0	6.651E-06	6.478E-06	6.478E-06
	A	5.0	3.75	549.	0.	0.	109.0	146.4	109.0	3.991E-06	3.887E-06	3.887E-06
	A	7.0	0.39	549.	0.	0.	109.0	146.4	109.0	2.851E-06	2.776E-06	2.776E-06
	B	2.0	0.08	549.	0.	0.	82.0	57.0	82.0	3.408E-05	3.122E-05	3.122E-05
	B	3.0	0.62	549.	0.	0.	82.0	57.0	82.0	2.272E-05	2.081E-05	2.081E-05
	B	5.0	2.65	549.	0.	0.	82.0	57.0	82.0	1.363E-05	1.249E-05	1.249E-05
	B	7.0	0.31	549.	0.	0.	82.0	57.0	82.0	9.737E-06	8.920E-06	8.920E-06
	C	1.5	0.62	549.	0.	0.	62.2	35.4	62.2	9.636E-05	8.070E-05	8.070E-05
	C	2.0	0.55	549.	0.	0.	62.2	35.4	62.2	7.227E-05	6.052E-05	6.052E-05
	C	3.0	0.55	549.	0.	0.	62.2	35.4	62.2	4.818E-05	4.035E-05	4.035E-05
	C	5.0	3.98	549.	0.	0.	62.2	35.4	62.2	2.891E-05	2.421E-05	2.421E-05
	C	7.0	1.64	549.	0.	0.	62.2	35.4	62.2	2.065E-05	1.729E-05	1.729E-05
	C	10.0	0.08	549.	0.	0.	62.2	35.4	62.2	1.445E-05	1.210E-05	1.210E-05
	D	0.8	0.08	549.	0.	0.	43.8	19.8	87.6	2.445E-04	3.277E-04	2.445E-04
	D	1.0	0.47	549.	0.	0.	43.8	19.8	87.6	1.834E-04	2.457E-04	1.834E-04
	D	1.5	2.97	549.	0.	0.	43.8	19.8	87.6	1.222E-04	1.638E-04	1.222E-04
	D	2.0	6.25	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05
	D	3.0	15.30	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
	D	5.0	30.91	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E-05
	D	7.0	13.43	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
	D	10.0	2.73	549.	0.	0.	43.8	19.8	43.8	3.667E-05	2.457E-05	2.457E-05
	E	0.5	0.16	549.	0.	0.	31.2	13.9	93.5	4.901E-04	7.400E-04	4.901E-04
	E	0.8	0.08	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
	E	1.0	0.70	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E-04	2.450E-04
	E	1.5	2.81	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
	E	2.0	2.58	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E-04	1.225E-04
	E	3.0	2.89	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E-04	1.225E-04
	E	5.0	1.48	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
	E	7.0	0.31	549.	0.	0.	31.2	13.9	31.2	1.050E-04	5.285E-05	5.285E-05
	F	0.5	0.16	549.	0.	0.	21.5	8.8	86.0	8.401E-04	1.120E-03	8.401E-04
	F	0.8	0.16	549.	0.	0.	21.5	8.8	86.0	5.600E-04	7.467E-04	5.600E-04
	F	1.0	0.23	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04
	F	1.5	0.39	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
	F	3.0	0.08	549.	0.	0.	21.5	8.8	51.6	2.335E-04	1.867E-04	1.867E-04
	G	3.0	0.08	549.	0.	0.	14.8	5.6	46.0	4.133E-04	4.266E-04	4.133E-04

COMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME /PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIC DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
F RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:

EC-ENVR-1057
Page 496

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OP   SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS:  COMMENTS:  NONE
M: I PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
XCLU OSITE EXCLUSION BOUNDARY CALCULATIONS:
ECTC 0   E SECTOR     BOUNDARY DISTANCE =  549.0 METERS
L PI OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
UNCT AS A FUNCTION OF DOWNWIND DISTANCE.
R CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
NG V BUILDING WAKE CREDIT ALLOWED:   C=  0.5     A=  2685.     D=  60.0
ARE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
P NU THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
IRD  THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
01E- 0   8.401E-04   5.600E-04   4.901E-04   4.200E-04   4.133E-04   3.267E-04   2.800E-04   2.450E 04   2.445E-04   1.867E-04
 0.1        0.156       0.312       0.468       0.703       0.781       0.859       1.249       1.952       2.030       2.108
.00/      0.00460     0.00919     0.01379     0.02069     0.02298     0.02528     0.03677     0.05746     0.05976     0.06206
34E- 0   1.834E-04   1.634E-04   1.225E-04   1.225E-04   1.222E-04   9.169E-05   8.070E-05   7.894E-05   7.400E-05   6.052E-05
 2.5        2.576       5.386       7.963      10.851      13.817      20.062      20.687      35.988      37.471      38.017
.075      0.07585     0.15859     0.23444     0.31948     0.40682     0.59070     0.60908     1.05958     1.10325     1.11933
85E- 0   5.285E-05   4.915E-05   4.035E-05   3.511E-05   3.122E-05   2.457E-05   2.421E-05   2.081E-05   1.729E-05   1.296E-05
38.3       38.329      69.243      69.789      83.216      83.294      86.027      90.008      90.632      92.272      92.350
.126      1.12853     2.03871     2.05479     2.45012     2.45242     2.53287     2.65009     2.66847     2.71674     2.71904
49E- 0   1.249E-05   1.210E-05   9.717E-06   8.920E-06   6.478E-06   3.887E-06   2.776E-06
95.(       95.004      95.082      95.238      95.550      95.863      99.610     100.000
.797      2.79719     2.79948     2.80408     2.81328     2.82247     2.93279     2.94429
    0          X/Q PERCENTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
D X/  ORDERED X/Q-FREQUENCY VALUES, AND AS
D ON  PLOTTED ON A LOG-NORMAL GRAPH.)
NT C 0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI        CHI/Q       WITH RESPECT TO      WHEN THE WIND BLOWS
RIC   SEC/CUBIC METER  THE TOTAL TIME       INTO THIS SECTOR ONLY
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HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=   0.023
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.319
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.058
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.037
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.448
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 > 0  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
      13  1      -7.08202 -13.88763  -1.74012
      13  2      -7.79132 -13.28177  -1.56719
      13  3      -9.00732  -9.08054  -0.02684
      13  4      -9.00949 -12.39608  -1.27953
      13  5      -9.44677 -13.66847  -1.83154
      13  6      -9.92066 -18.83261  -4.35524
      13  7      10.25713     NUMXQ(K)=  7
724E     3.724E-04              0.029              1.000
292E     2.292E-04              0.088              3.000
802E     1.802E-04              0.147              5.000
278E     1.278E-04              0.294             10.000
180E     1.180E-04              0.442             15.000
038E     1.038E-04              0.589             20.000
378E     9.378E-05              0.736             25.000
612E     8.612E-05              0.883             30.000
001E     8.001E-05              1.031             35.000
334E     7.334E-05              1.178             40.000
747E     6.747E-05              1.325             45.000
256E     6.256E-05              1.472             50.000
836E     5.836E-05              1.619             55.000
473E     5.473E-05              1.767             60.000
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EC-ENVR-1057
Page 497

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155E      5.155E-05              1.914              65.000
319E      4.819E 05              2.061              70.000
251E      4.251E-05              2.208              75.000
776E      3.776E-05              2.355              80.000
117E0     1.117E-04              0.5                16.98
 AVE0ANNUAL AVERAGE =    1.29E-06
    0K= 13      FIVEXQ(K)= 1.117E-04      FIVEPR(K)=16.982
COMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
RIO  DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
F RE TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS:
 OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
PS:  COMMENTS:  NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
TER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE ESE SECTOR.
CTY  STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
S      CLASS   METER/SEC  PERCENT   METERS    METERS      METERS      METERS  METERS   METERS        MEANDER   BLDG WAKE        USED
  A          AT  10.0 METERS                                                                                  CA=1342.SQ.METERS

        A        1.5       0.12      549.      0.          0.        109.0   146.4    109.0        1.330E-05  1.296E-05  1.296E-05
        A        2.0       0.23      549.      0.          0.        109.0   146.4    109.0        9.977E-06  9.717E-06  9.717E-06
        A        3.0       0.69      549.      0.          0.        109.0   146.4    109.0        6.651E-06  6.478E-06  6.478E-06
        A        5.0       1.38      549.      0.          0.        109.0   146.4    109.0        3.991E-06  3.887E-06  3.887E-06

        B        2.0       0.12      549.      0.          0.         82.0    57.0     82.0        3.408E-05  3.122E-05  3.122E-05
        B        3.0       0.12      549.      0.          0.         82.0    57.0     82.0        2.272E-05  2.081E-05  2.081E-05
        B        5.0       2.08      549.      0.          0.         82.0    57.0     82.0        1.363E-05  1.249E-05  1.249E-05
        B        7.0       0.12      549.      0.          0.         82.0    57.0     82.0        9.737E-06  8.920E-06  8.920E-06

        C        2.0       0.23      549.      0.          0.         62.2    35.4     62.2        7.227E-05  6.052E-05  6.052E-05
        C        3.0       1.61      549.      0.          0.         62.2    35.4     62.2        4.818E-05  4.035E-05  4.035E-05
        C        5.0       3.58      549.      0.          0.         62.2    35.4     62.2        2.891E-05  2.421E-05  2.421E-05
        C        7.0       0.12      549.      0.          0.         62.2    35.4     62.2        2.065E-05  1.729E-05  1.729E-05

        D        0.8       0.23      549.      0.          0.         43.8    19.8     87.6        2.445E-04  3.277E-04  2.445E-04
        D        1.0       0.46      549.      0.          0.         43.8    19.8     87.6        1.834E-04  2.457E-04  1.834E-04
        D        1.5       2.65      549.      0.          0.         43.8    19.8     87.6        1.222E-04  1.638E-04  1.222E-04
        D        2.0       5.65      549.      0.          0.         43.8    19.8     87.6        9.169E-05  1.229E-04  9.169E-05
        D        3.0      18.11      549.      0.          0.         43.8    19.8     67.9        7.894E-05  8.191E-05  7.894E-05
        D        5.0      36.22      549.      0.          0.         43.8    19.8     49.2        6.538E-05  4.915E-05  4.915E-05
        D        7.0      12.46      549.      0.          0.         43.8    19.8     43.8        5.239E-05  3.511E-05  3.511E-05
        D       10.0       2.19      549.      0.          0.         43.8    19.8     43.8        3.667E-05  2.457E-05  2.457E-05

        E        0.8       0.23      549.      0.          0.         31.2    13.9     93.5        3.267E-04  4.933E-04  3.267E-04
        E        1.0       0.81      549.      0.          0.         31.2    13.9     93.5        2.450E-04  3.700E-04  2.450E-04
        E        1.5       1.85      549.      0.          0.         31.2    13.9     93.5        1.634E-04  2.467E-04  1.634E-04
        E        2.0       2.65      549.      0.          0.         31.2    13.9     93.5        1.225E-04  1.850E-04  1.225E-04
        E        3.0       3.92      549.      0.          0.         31.2    13.9     62.3        1.225E-04  1.233E-04  1.225E-04
        E        5.0       1.50      549.      0.          0.         31.2    13.9     37.4        1.225E-04  7.400E-05  7.400E-05

        F        0.5       0.12      549.      0.          0.         21.5     8.8     86.0        8.401E-04  1.120E-03  8.401E-04
        F        1.5       0.23      549.      0.          0.         21.5     8.8     86.0        2.800E-04  3.733E-04  2.800E-04
        F        2.0       0.23      549.      0.          0.         21.5     8.8     86.0        2.100E-04  2.800E-04  2.100E-04
        F        3.0       0.12      549.      0.          0.         21.5     8.8     51.6        2.335E-04  1.867E-04  1.867E-04

COMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
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RIO  DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
 RE  TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS:
 OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
S:   COMMENTS:  NONE
1: P  PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
CLU OSITE EXCLUSION BOUNDARY CALCULATIONS:
CTO O ESE SECTOR ---- BOUNDARY DISTANCE =  549.0 METERS
 PL OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
NCT  AS A FUNCTION OF DOWNWIND DISTANCE.
 CR  MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
G W  BUILDING WAKE CREDIT ALLOWED:   C=  0.5     A=  2685.     D=   60.0
RE  OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 NU  THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD  THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
1E-0   8.401E-04   3.267E-04   2.800E-04   2.450E-04   2.445E-04   2.100E-04   1.867E-04   1.834E-04   1.634E-04   1.225E-04
 0.1       0.115       0.346       0.577       1.384       1.615       1.845       1.961       2.422       4.268       6.920
.002     0.00230     0.00690     0.01149     0.02758     0.03218     0.03677     0.03907     0.04827     0.08504     0.13791
5E-0   1.225E-04   1.222E-04   9.169E-05   7.894E-05   7.400E-05   6.052E-05   4.915E-05   4.035E-05   3.511E-05   3.122E-05
0.8       10.842      13.495      19.146      37.255      38.754      38.985      75.202      76.817      89.273      89.389
.216     0.21605     0.26892     0.38154     0.74239     0.77227     0.77687     1.49857     1.53075     1.77898     1.78128
7E-0   2.457E-05   2.421E-05   2.081E-05   1.729E-05   1.296E-05   1.249E-05   9.717E-06   8.920E-06   6.478E-06   3.887E-06
1.5       91.580      95.156      95.271      95.386      95.502      97.578      97.809      97.924      98.616     100.000
.824      1.82495     1.89620     1.89850     1.90080     1.90310     1.94447     1.94907     1.95137     1.96516     1.99274
  0          X/Q PERCENTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
 X/  ORDERED X/Q-FREQUENCY VALUES, AND AS
 ON  PLOTTED ON A LOG-NORMAL GRAPH.)
T O0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI        CHI/Q        WITH RESPECT TO      WHEN THE WIND BLOWS
IC   SEC/CUBIC METER   THE TOTAL TIME       INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=   0.085
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   0.742
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.497
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.777

  X0  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
     14  1      -7.08202 -14.20481  -1.74782
     14  2      -8.71960 -11.28599  -0.81776
     14  3      -9.00949 -12.51434  -1.25901
     14  4      -9.44677 -13.79421  -1.78430
     14  5      -9.92066 -20.54244  -4.89278
     14  6     -10.25713     NUMXQ(K)=  6
303E     3.303E-04          0.020          1.000
952E     1.952E-04          0.060          3.000
572E     1.572E-04          0.100          5.000
322E     1.322E-04          0.199         10.000
171E     1.171E 04          0.299         15.000
038E     1.038E-04          0.399         20.000
428E     9.428E-05          0.498         25.000
702E     8.702E-05          0.598         30.000
121E     8.121E-05          0.697         35.000
539E     7.539E-05          0.797         40.000
979E     6.979E-05          0.897         45.000
507E     6.507E-05          0.996         50.000
102E     6.102E-05          1.096         55.000
751E     5.751E-05          1.196         60.000
443E     5.443E-05          1.295         65.000
169E     5.169E-05          1.395         70.000
924E     4.924E-05          1.495         75.000
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357E      4.357E-05              1.594              80.000
869E      3.869E-05              1.694              85.000
413E 0    9.413E-05              0.5                25.09
 AVF 0ANNUAL AVERAGE =    8.56E-07
    0K= 14      FIVEXQ(K)= 9.413E-05      FIVEPR(K)=25.091
COMF 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME /PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
ERIC  DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
F RF  TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS:
 OF   SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS:   COMMENTS:  NONE
M: F  PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
TER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE  SE SECTOR.
ITY   STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
S       CLASS   METER/SEC  PERCENT   METERS    METERS      METERS      METERS  METERS   METERS        MEANDER   BLDG WAKE        USED
  A           AT  10.0 METERS                                                                                    CA=1342.SQ.METERS

        A         2.0       0.07      549.      0.          0.          109.0   146.4    109.0         9.977E-06  9.717E-06  9.717E-06
        A         5.0       0.43      549.      0.          0.          109.0   146.4    109.0         3.991E-06  3.887E-06  3.887E-06
        A         7.0       0.22      549.      0.          0.          109.0   146.4    109.0         2.851E-06  2.776E-06  2.776E-06

        B         2.0       0.07      549.      0.          0.           82.0    57.0     82.0         3.408E-05  3.122E-05  3.122E-05
        B         3.0       0.36      549.      0.          0.           82.0    57.0     82.0         2.272E-05  2.081E-05  2.081E-05
        B         5.0       0.72      549.      0.          0.           82.0    57.0     82.0         1.363E-05  1.249E-05  1.249E-05
        B         7.0       0.14      549.      0.          0.           82.0    57.0     82.0         9.737E-06  8.920E-06  8.920E-06

        C         1.0       0.07      549.      0.          0.           62.2    35.4     62.2         1.445E-04  1.210E-04  1.210E-04
        C         2.0       0.22      549.      0.          0.           62.2    35.4     62.2         7.227E-05  6.052E-05  6.052E-05
        C         3.0       0.65      549.      0.          0.           62.2    35.4     62.2         4.818E-05  4.035E-05  4.035E-05
        C         5.0       2.15      549.      0.          0.           62.2    35.4     62.2         2.891E-05  2.421E-05  2.421E-05
        C         7.0       0.29      549.      0.          0.           62.2    35.4     62.2         2.065E-05  1.729E-05  1.729E-05

        D         0.5       0.07      549.      0.          0.           43.8    19.8     87.6         3.667E-04  4.915E-04  3.667E-04
        D         0.8       0.14      549.      0.          0.           43.8    19.8     87.6         2.445E-04  3.277E-04  2.445E-04
        D         1.0       0.79      549.      0.          0.           43.8    19.8     87.6         1.834E-04  2.457E-04  1.834E-04
        D         1.5       2.22      549.      0.          0.           43.8    19.8     87.6         1.222E-04  1.638E-04  1.222E-04
        D         2.0       3.23      549.      0.          0.           43.8    19.8     87.6         9.169E-05  1.229E-04  9.169E-05
        D         3.0      16.13      549.      0.          0.           43.8    19.8     67.9         7.894E-05  8.191E-05  7.894E-05
        D         5.0      45.30      549.      0.          0.           43.8    19.8     49.2         6.538E-05  4.915E-05  4.915E-05
        D         7.0      12.76      549.      0.          0.           43.8    19.8     43.8         5.239E-05  3.511E-05  3.511E-05
        D        10.0       0.43      549.      0.          0.           43.8    19.8     43.8         3.667E-05  2.457E-05  2.457E-05

        E         0.5       0.07      549.      0.          0.           31.2    13.9     93.5         4.901E-04  7.400E-04  4.901E-04
        E         0.8       0.14      549.      0.          0.           31.2    13.9     93.5         3.267E-04  4.933E-04  3.267E-04
        E         1.0       0.29      549.      0.          0.           31.2    13.9     93.5         2.450E-04  3.700E-04  2.450E-04
        E         1.5       1.36      549.      0.          0.           31.2    13.9     93.5         1.634E-04  2.467E-04  1.634E-04
        E         2.0       3.01      549.      0.          0.           31.2    13.9     93.5         1.225E-04  1.850E-04  1.225E-04
        E         3.0       6.24      549.      0.          0.           31.2    13.9     62.3         1.225E-04  1.233E-04  1.225E-04
        E         5.0       1.72      549.      0.          0.           31.2    13.9     37.4         1.225E-04  7.400E-05  7.400E-05
        E         7.0       0.14      549.      0.          0.           31.2    13.9     31.2         1.050E-04  5.285E-05  5.285E-05

        F         1.0       0.14      549.      0.          0.           21.5     8.8     86.0         4.200E-04  5.600E-04  4.200E-04
        F         1.5       0.07      549.      0.          0.           21.5     8.8     86.0         2.800E-04  3.733E-04  2.800E-04
        F         2.0       0.07      549.      0.          0.           21.5     8.8     86.0         2.100E-04  2.800E-04  2.100E-04
        F         3.0       0.14      549.      0.          0.           21.5     8.8     51.6         2.335E-04  1.867E-04  1.867E-04
        F         5.0       0.07      549.      0.          0.           21.5     8.8     27.1         2.670E-04  1.120E-04  1.120E-04

        G         0.8       0.07      549.      0.          0.           14.8     5.6     89.1         8.534E-04  1.707E-03  8.534E-04
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:OMPILUSNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME:  COMPARISON CASE 2                   METEOROLOGICAL INSTRUMENTATION
:RIOI DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL  no tor            DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S:  COMMENTS:  NONE
I: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
:CLUDSITE EXCLUSION BOUNDARY CALCULATIONS:
:CTOO  SE SECTOR      BOUNDARY DISTANCE =  549.0 METERS
, PIJOLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
INCT AS A FUNCTION OF DOWNWIND DISTANCE.
( CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
IG W. BUILDING WAKE CREDIT ALLOWED:   C=  0.5     A=  2685.     D=   60.0
ARE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NU THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
'RD : THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
14E-0   8.534E-04   4.901E-04   4.200E-04   3.667E-04   3.267E-04   2.800E-04   2.450E-04   2.445E-04   2.100E-04   1.867E-04
 0.0        0.072       0.143       0.287       0.358       0.502       0.573       0.860       1.004       1.075       1.219
 002      0.00230     0.00460     0.00919     0.01149     0.01609     0.01839     0.02758     0.03218     0.03448     0.03907
14E-0   1.834E-04   1.634E-04   1.225E-04   1.225E-04   1.222E-04   1.210E-04   1.120E-04   9.169E-05   7.894E-05   7.400E-05
 2.0        2.007       3.369       6.380      12.616      14.839      14.910      14.982      18.208      34.337      36.057
 064      0.06436     0.10803     0.20456     0.40452     0.47577     0.47807     0.48037     0.58380     1.10095     1.15611
52E-0   6.052E-05   5.285E-05   4.915E-05   4.035E-05   3.511E-05   3.122E-05   2.457E-05   2.421E-05   2.081E-05   1.729E-05
16.2       36.272      36.416      81.720      82.366      95.125      95.197      95.627      97.778      98.136      98.423
 163      1.16300     1.16760     2.62021     2.64089     3.05001     3.05231     3.06610     3.13506     3.14655     3.15574
19E-0   1.249E-05   9.717E-06   8.920E-06   3.887E-06   2.776E-06
19.1       99.140      99.211      99.355      99.785     100.000
.178      3.17873     3.18102     3.18562     3.19941     3.20631
    0          X/Q PERCENTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
> X/  ORDERED X/Q-FREQUENCY VALUES, AND AS
> ON  PLOTTED ON A LOG-NORMAL GRAPH.)
JT 00 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
3IC  SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=   0.032
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   2.618
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   3.047

  XO  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
      15  1     -7.06631 -14.75588  -1.88690
      15  2     -8.31634 -11.20327  -0.84592
      15  3     -9.00949 -12.62742  -1.39508
      15  4     -9.92066 -19.76495  -5.07378
      15  5    -10.25713     NUMXQ(K)=  5
149E     2.449E-04          0.032          1.000
380E     1.880E-04          0.096          3.000
550E     1.650E-04          0.160          5.000
368E     1.368E-04          0.321         10.000
216E     1.216E-04          0.481         15.000
057E     1.057E-04          0.641         20.000
447E     9.447E-05          0.802         25.000
501E     8.601E-05          0.962         30.000
931E     7.931E-05          1.122         35.000
383E     7.383E-05          1.283         40.000
924E     6.924E-05          1.443         45.000
532E     6.532E-05          1.603         50.000
191E     6.191E-05          1.763         55.000
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EC-ENVR-1057
Page 501

892E	5.892E-05	1.924	60.000
626E	5.626E-05	2.084	65.000
388E	5.388E-05	2.244	70.000
173E	5.173E-05	2.405	75.000
978E	4.978E-05	2.565	80.000
508E	4.508E-05	2.725	85.000
973E	3.973E-05	2.886	90.000
194E 0	1.194E-04	0.5	15.59

AVE 0ANNUAL AVERAGE = 1.35E-06
0K= 15 FIVEXQ(K)= 1.194E-04 FIVEPR(K)=15.594
COMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME /PLANT NAME: COMPARISON CASE 2
ERIC DATA PERIOD: 5 YEARS OF DATA
F RE TYPE OF RELEASE: GROUND-LEVEL no ter
OF SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS: COMMENTS: NONE
M: F PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
TER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE SSE SECTOR.

METEOROLOGICAL INSTRUMENTATION
WIND SENSORS HEIGHT: 10.0 METER
DELTA-T HEIGHTS:

ITY S	STABILITY CLASS	WINDSPEED METER/SEC	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE	USED
A		AT 10.0 METERS									CA=1342.SQ.METERS	
	A	1.5	0.06	549.	0.	0.	109.0	146.4	109.0	1.330E-05	1.296E-05	1.296E-05
	A	3.0	0.06	549.	0.	0.	109.0	146.4	109.0	6.651E-06	6.478E-06	6.478E-06
	A	5.0	0.68	549.	0.	0.	109.0	146.4	109.0	3.991E-06	3.887E-06	3.887E-06
	A	7.0	0.23	549.	0.	0.	109.0	146.4	109.0	2.851E-06	2.776E-06	2.776E-06
	B	2.0	0.23	549.	0.	0.	82.0	57.0	82.0	3.408E-05	3.122E-05	3.122E-05
	B	3.0	0.45	549.	0.	0.	82.0	57.0	82.0	2.272E-05	2.081E-05	2.081E-05
	B	5.0	1.07	549.	0.	0.	82.0	57.0	82.0	1.363E-05	1.249E-05	1.249E-05
	B	7.0	0.17	549.	0.	0.	82.0	57.0	82.0	9.737E-06	8.920E-06	8.920E-06
	B	10.0	0.11	549.	0.	0.	82.0	57.0	82.0	6.816E-06	6.244E-06	6.244E-06
	C	1.5	0.06	549.	0.	0.	62.2	35.4	62.2	9.636E-05	8.070E-05	8.070E-05
	C	2.0	0.06	549.	0.	0.	62.2	35.4	62.2	7.227E-05	6.052E-05	6.052E-05
	C	3.0	1.07	549.	0.	0.	62.2	35.4	62.2	4.818E-05	4.035E-05	4.035E-05
	C	5.0	1.75	549.	0.	0.	62.2	35.4	62.2	2.891E-05	2.421E-05	2.421E-05
	C	7.0	0.90	549.	0.	0.	62.2	35.4	62.2	2.065E-05	1.729E-05	1.729E-05
	C	10.0	0.11	549.	0.	0.	62.2	35.4	62.2	1.445E-05	1.210E-05	1.210E-05
	D	0.8	0.23	549.	0.	0.	43.8	19.8	87.6	2.445E-04	3.277E-04	2.445E-04
	D	1.0	0.45	549.	0.	0.	43.8	19.8	87.6	1.834E-04	2.457E-04	1.834E-04
	D	1.5	1.86	549.	0.	0.	43.8	19.8	87.6	1.222E-04	1.638E-04	1.222E-04
	D	2.0	2.93	549.	0.	0.	43.8	19.8	87.6	9.169E-05	1.229E-04	9.169E-05
	D	3.0	15.12	549.	0.	0.	43.8	19.8	67.9	7.894E-05	8.191E-05	7.894E-05
	D	5.0	42.41	549.	0.	0.	43.8	19.8	49.2	6.538E-05	4.915E-05	4.915E-05
	D	7.0	15.79	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
	D	10.0	0.45	549.	0.	0.	43.8	19.8	43.8	3.667E-05	2.457E-05	2.457E-05
	E	0.8	0.28	549.	0.	0.	31.2	13.9	93.5	3.267E-04	4.933E-04	3.267E-04
	E	1.0	0.34	549.	0.	0.	31.2	13.9	93.5	2.450E-04	3.700E-04	2.450E-04
	E	1.5	1.18	549.	0.	0.	31.2	13.9	93.5	1.634E-04	2.467E-04	1.634E-04
	E	2.0	2.31	549.	0.	0.	31.2	13.9	93.5	1.225E-04	1.850E-04	1.225E-04
	E	3.0	6.54	549.	0.	0.	31.2	13.9	62.3	1.225E-04	1.233E-04	1.225E-04
	E	5.0	1.97	549.	0.	0.	31.2	13.9	37.4	1.225E-04	7.400E-05	7.400E-05
	E	7.0	0.11	549.	0.	0.	31.2	13.9	31.2	1.050E-04	5.285E-05	5.285E-05
	F	0.5	0.06	549.	0.	0.	21.5	8.8	86.0	8.401E-04	1.120E-03	8.401E-04

EC-ENVR-1057
Page 502

F	1.0	0.17	549.	0.	0.	21.5	8.8	86.0	4.200E-04	5.600E-04	4.200E-04
F	1.5	0.11	549.	0.	0.	21.5	8.8	86.0	2.800E-04	3.733E-04	2.800E-04
F	2.0	0.28	549.	0.	0.	21.5	8.8	86.0	2.100E-04	2.800E-04	2.100E-04
F	3.0	0.11	549.	0.	0.	21.5	8.8	51.6	2.335E-04	1.867E-04	1.867E-04
F	5.0	0.11	549.	0.	0.	21.5	8.8	27.1	2.670E-04	1.120E-04	1.120E-04
G	0.8	0.11	549.	0.	0.	14.8	5.6	89.1	8.534E-04	1.707E-03	8.534E-04
G	1.5	0.06	549.	0.	0.	14.8	5.6	89.1	4.267E-04	8.533E-04	4.267E-04

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COMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME /PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA                     WIND SENSORS HEIGHT:  10.0 METER
F RE TYPE OF RELEASE: GROUND-LEVEL  no ter            DELTA-T HEIGHTS:
 OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS:  COMMENTS:  NONE
M: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
XCLU 0SITE EXCLUSION BOUNDARY CALCULATIONS:
ECTO 0 SSE SECTOR      BOUNDARY DISTANCE =  549.0 METERS
L PL 0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
JNCT AS A FUNCTION OF DOWNWIND DISTANCE.
R CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
NG W BUILDING WAKE CREDIT ALLOWED:   C=  0.5     A=  2685.     D=   60.0
ARE 0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
P NU THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
IRD  THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
34E-0   8.534E-04   8.401E-04   4.267E-04   4.200E-04   3.267E-04   2.800E-04   2.450E-04   2.445E-04   2.100E-04   1.867E-04
 0.1        0.113       0.169       0.226       0.395       0.677       0.790       1.128       1.354       1.636       1.748
.004      0.00460     0.00690     0.00919     0.01609     0.02758     0.03218     0.04597     0.05516     0.06665     0.07125
34E-0   1.834E-04   1.634E-04   1.225E-04   1.225E-04   1.222E-04   1.120E-04   9.169E-05   8.070E-05   7.894E-05   7.400E-05
 2.2        2.200       3.384       5.697      12.239      14.100      14.213      17.146      17.202      32.318      34.292
.089      0.08964     0.13791     0.23214     0.49876     0.57461     0.57920     0.69872     0.70102     1.31700     1.39744
52E-0   6.052E-05   5.285E-05   4.915E-05   4.035E-05   3.511E-05   3.122E-05   2.457E-05   2.421E-05   2.081E-05   1.729E-05
34.3       34.349      34.461      76.875      77.947      93.739      93.965      94.416      96.165      96.616      97.518
.399      1.39974     1.40434     3.13276     3.17643     3.81999     3.82918     3.84757     3.91882     3.93721     3.97398
96E-0   1.296E-05   1.249E-05   1.210E-05   8.920E-06   6.478E-06   6.244E-06   3.887E-06   2.776E-06
97.5       97.575      98.646      98.759      98.928      98.985      99.098      99.774     100.000
.976      3.97628     4.01995     4.02455     4.03144     4.03374     4.03834     4.06592     4.07511
   0          X/Q PERCENTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
D X/  ORDERED X/Q-FREQUENCY VALUES, AND AS
D ON  PLOTTED ON A LOG-NORMAL GRAPH.)
NT O 0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
BIC  SEC/CUBIC METER  THE TOTAL TIME       INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.090
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   3.130
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   3.817

  X 0  K  T   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
     16  1      -7.06631  -7.68704  -0.15871
     16  2      -7.08202 -15.50120  -2.20861
     16  3      -8.60402 -10.73184   0.68137
     16  4      -9.00949 -12.46918  -1.36867
     16  5      -9.92066 -16.90679  -3.75186
     16  6     -10.25713     NUMXQ(K)=  6
014E      3.014E-04              0.041              1.000
722E      1.722E-04              0.122              3.000
546E      1.546E-04              0.204              5.000
325E      1.325E-04              0.408             10.000
```

87E-	1.187E-04	0.611	15.000
30E-	1.030E-04	0.815	20.000
96E-	9.196E-05	1.019	25.000
63E-	8.363E-05	1.223	30.000
04E-	7.704E-05	1.426	35.000
65E-	7.165E-05	1.630	40.000
13E-	6.713E-05	1.834	45.000
26E	6.326E-05	2.038	50.000
91E	5.991E-05	2.241	55.000
97E-	5.697E-05	2.445	60.000
35E-	5.435E-05	2.649	65.000
01E-	5.201E-05	2.853	70.000
89E-	4.989E-05	3.056	75.000
98E-	4.598E-05	3.260	80.000
51E-	4.151E-05	3.464	85.000
65E-	3.765E-05	3.668	90.000
63E-0	1.263E-04	0.5	12.27

AVEDANNUAL AVERAGE = 1.68E-06
DK= 16 FIVEXQ(K)= 1.263E-04 FIVEPR(K)=12.270
OMPUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: PI PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER OPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE ALL SECTOR.
TY I STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT SIGMA-Y SIGMA-Z MEANDER SY ** CHI/Q VALUES (SEC/CUBIC METER)

I	CLASS	METER/SEC	PERCENT	METERS	METERS	METERS	METERS	METERS	METERS	MEANDER	BLDG WAKE	USED
A'		AT 10.0 METERS									CA=1342.SQ.METERS	
	A	0.5	0.00	549.	0.	0.	109.0	146.4	109.0	3.991E-05	3.887E-05	3.887E-05
	A	0.8	0.00	549.	0.	0.	109.0	146.4	109.0	2.661E-05	2.591E-05	2.591E-05
	A	1.0	0.04	549.	0.	0.	109.0	146.4	109.0	1.995E-05	1.943E-05	1.943E-05
	A	1.5	0.25	549.	0.	0.	109.0	146.4	109.0	1.330E-05	1.296E-05	1.296E-05
	A	2.0	0.46	549.	0.	0.	109.0	146.4	109.0	9.977E-06	9.717E-06	9.717E-06
	A	3.0	1.29	549.	0.	0.	109.0	146.4	109.0	6.651E-06	6.478E-06	6.478E-06
	A	5.0	1.77	549.	0.	0.	109.0	146.4	109.0	3.991E-06	3.887E-06	3.887E-06
	A	7.0	0.20	549.	0.	0.	109.0	146.4	109.0	2.851E-06	2.776E-06	2.776E-06
	A	10.0	0.01	549.	0.	0.	109.0	146.4	109.0	1.995E-06	1.943E-06	1.943E-06
	B	0.8	0.00	549.	0.	0.	82.0	57.0	82.0	9.088E-05	8.326E-05	8.326E-05
	B	1.0	0.05	549.	0.	0.	82.0	57.0	82.0	6.816E-05	6.244E-05	6.244E-05
	B	1.5	0.25	549.	0.	0.	82.0	57.0	82.0	4.544E-05	4.163E-05	4.163E-05
	B	2.0	0.46	549.	0.	0.	82.0	57.0	82.0	3.408E-05	3.122E-05	3.122E-05
	B	3.0	0.91	549.	0.	0.	82.0	57.0	82.0	2.272E-05	2.081E-05	2.081E-05
	B	5.0	1.22	549.	0.	0.	82.0	57.0	82.0	1.363E-05	1.249E-05	1.249E-05
	B	7.0	0.23	549.	0.	0.	82.0	57.0	82.0	9.737E-06	8.920E-06	8.920E-06
	B	10.0	0.02	549.	0.	0.	82.0	57.0	82.0	6.816E-06	6.244E-06	6.244E-06
	C	0.5	0.00	549.	0.	0.	62.2	35.4	62.2	2.891E-04	2.421E-04	2.421E-04
	C	0.8	0.01	549.	0.	0.	62.2	35.4	62.2	1.927E-04	1.614E-04	1.614E-04
	C	1.0	0.08	549.	0.	0.	62.2	35.4	62.2	1.445E-04	1.210E-04	1.210E-04
	C	1.5	0.42	549.	0.	0.	62.2	35.4	62.2	9.636E-05	8.070E-05	8.070E-05
	C	2.0	0.60	549.	0.	0.	62.2	35.4	62.2	7.227E-05	6.052E-05	6.052E-05
	C	3.0	1.25	549.	0.	0.	62.2	35.4	62.2	4.818E-05	4.035E-05	4.035E-05
	C	5.0	1.60	549.	0.	0.	62.2	35.4	62.2	2.891E-05	2.421E-05	2.421E-05
	C	7.0	0.35	549.	0.	0.	62.2	35.4	62.2	2.065E-05	1.729E-05	1.729E-05

C	10.0	0.03	549.	0.	0.	62.2	35.4	62.2	1.445E-05	1.210E-05	1.210E-05
D	0.5	0.15	549.	0.	0.	43.8	19.8	43.8	7.335E-04	4.915E-04	4.915E-04
D	0.8	0.94	549.	0.	0.	43.8	19.8	43.8	4.890E-04	3.277E-04	3.277E-04
D	1.0	2.37	549.	0.	0.	43.8	19.8	43.8	3.667E-04	2.457E-04	2.457E-04
D	1.5	5.39	549.	0.	0.	43.8	19.8	43.8	2.445E-04	1.638E-04	1.638E-04
D	2.0	5.59	549.	0.	0.	43.8	19.8	43.8	1.834E-04	1.229E-04	1.229E-04
D	3.0	10.32	549.	0.	0.	43.8	19.8	43.8	1.222E-04	8.191E-05	8.191E-05
D	5.0	12.38	549.	0.	0.	43.8	19.8	43.8	7.335E-05	4.915E-05	4.915E-05
D	7.0	3.45	549.	0.	0.	43.8	19.8	43.8	5.239E-05	3.511E-05	3.511E-05
D	10.0	0.39	549.	0.	0.	43.8	19.8	43.8	3.667E-05	2.457E-05	2.457E-05
D	13.0	0.00	549.	0.	0.	43.8	19.8	43.8	2.821E-05	1.890E-05	1.890E-05
E	0.5	0.45	549.	0.	0.	31.2	13.9	31.2	1.470E-03	7.400E-04	7.400E-04
E	0.8	3.56	549.	0.	0.	31.2	13.9	31.2	9.801E-04	4.933E-04	4.933E-04
E	1.0	5.27	549.	0.	0.	31.2	13.9	31.2	7.351E-04	3.700E-04	3.700E-04
E	1.5	7.42	549.	0.	0.	31.2	13.9	31.2	4.901E-04	2.467E-04	2.467E-04
E	2.0	4.26	549.	0.	0.	31.2	13.9	31.2	3.675E-04	1.850E-04	1.850E-04
E	3.0	4.39	549.	0.	0.	31.2	13.9	31.2	2.450E-04	1.233E-04	1.233E-04
E	5.0	1.76	549.	0.	0.	31.2	13.9	31.2	1.470E-04	7.400E-05	7.400E-05
E	7.0	0.19	549.	0.	0.	31.2	13.9	31.2	1.050E-04	5.285E-05	5.285E-05
E	10.0	0.02	549.	0.	0.	31.2	13.9	31.2	7.351E-05	3.700E-05	3.700E-05
F	0.5	0.31	549.	0.	0.	21.5	8.8	21.5	3.360E-03	1.120E-03	1.120E-03
F	0.8	2.70	549.	0.	0.	21.5	8.8	21.5	2.240E-03	7.467E-04	7.467E-04
F	1.0	4.16	549.	0.	0.	21.5	8.8	21.5	1.680E-03	5.600E-04	5.600E-04
F	1.5	4.22	549.	0.	0.	21.5	8.8	21.5	1.120E-03	3.733E-04	3.733E-04
F	2.0	0.79	549.	0.	0.	21.5	8.8	21.5	8.401E-04	2.800E-04	2.800E-04
F	3.0	0.13	549.	0.	0.	21.5	8.8	21.5	5.600E-04	1.867E-04	1.867E-04
F	5.0	0.03	549.	0.	0.	21.5	8.8	21.5	3.360E-04	1.120E-04	1.120E-04
G	0.5	0.08	549.	0.	0.	14.8	5.6	14.8	7.680E-03	2.560E-03	2.560E-03
G	0.8	1.14	549.	0.	0.	14.8	5.6	14.8	5.120E-03	1.707E-03	1.707E-03
G	1.0	2.83	549.	0.	0.	14.8	5.6	14.8	3.840E-03	1.280E-03	1.280E-03
G	1.5	3.24	549.	0.	0.	14.8	5.6	14.8	2.560E-03	8.533E-04	8.533E-04
G	2.0	0.51	549.	0.	0.	14.8	5.6	14.8	1.920E-03	6.400E-04	6.400E-04
G	3.0	0.02	549.	0.	0.	14.8	5.6	14.8	1.280E-03	4.266E-04	4.266E-04

:OMPI1USNRC COMPUTER CODE PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
:RIO DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF : SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S: COMMENTS: NONE
I: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
:CLUDSITE EXCLUSION BOUNDARY CALCULATIONS:
'ON- DIRECTION-INDEPENDENT (S.R.P 2.3.4) MODEL.
I BO MINIMUM BOUNDARY DISTANCE = 549.0 METERS.
IG W. BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
ARE :OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NUM THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
:RD I THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

0E-0	2.560E-03	1.707E-03	1.280E-03	1.120E-03	8.533E-04	7.467E-04	7.400E-04	6.400E-04	5.600E-04	4.933E-04
0.0	0.076	1.218	4.050	4.365	7.608	10.308	10.761	11.271	15.436	18.994
075.	0.07585	1.21817	4.04983	4.36472	7.60780	10.30845	10.76124	11.27149	15.43624	18.99421
5E-0	4.915E-04	4.266E-04	3.733E-04	3.700E-04	3.277E-04	2.800E-04	2.467E-04	2.457E-04	2.421E-04	1.867E-04
.9.1.	19.148	19.171	23.391	28.666	29.611	30.399	37.823	40.197	40.200	40.326
148:	19.14820	19.17119	23.39110	28.66599	29.61065	30.39901	37.82293	40.19720	40.19950	40.32592
0E-0	1.850E-04	1.638E-04	1.614E-04	1.233E-04	1.229E-04	1.210E-04	1.120E-04	8.326E-05	8.191E-05	8.070E-05

```
14.5        44.583      49.975      49.982      54.376      59.971      60.051      60.079      60.081      70.403      70.824
.582      44.58261    49.97472    49.98162    54.37621    59.97058    60.05103    60.07861    60.08091    70.40315    70.82376
)0E-0    7.400E-05   6.244E-05   6.052E-05   5.285E-05   4.915E-05   4.163E-05   4.035E-05   3.887E-05   3.700E-05   3.511E-05
72.5        72.580      72.626      73.226      73.412      85.796      86.042      87.294      87.297      87.315      90.760
.579      72.57976    72.62572    73.22562    73.41179    85.79572    86.04165    87.29429    87.29659    87.31497    90.76031
2E-0     3.122E-05   2.591E-05   2.457E-05   2.421E-05   2.081E-05   1.943E-05   1.890E-05   1.729E-05   1.296E-05   1.249E-05
91.2        91.220      91.222      91.613      93.217      94.130      94.173      94.178      94.532      94.783      96.005
.220      91.22000    91.22230    91.61303    93.21733    94.12981    94.17348    94.17808    94.53204    94.78256    96.00533
.0E-0    1.210E-05   9.717E-06   8.920E-06   6.478E-06   6.244E-06   3.887E-06   2.776E-06   1.943E-06
96.0        96.031      96.490      96.716      98.003      98.021      99.789      99.993     100.000
.030      96.03061    96.49030    96.71554    98.00266    98.02104    99.78854    99.99310    99.99999
    0          X/Q PERCENTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
) X/  ORDERED X/Q-FREQUENCY VALUES, AND AS
) ON  PLOTTED ON A LOG-NORMAL GRAPH.)
FT 00 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI        CHI/Q        WITH RESPECT TO      WHEN THE WIND BLOWS
3TC   SEC/CUBIC METER   THE TOTAL TIME       INTO THIS SECTOR ONLY

                                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)= 10.758
764E      1.764E-03                1.000                1.000
383E      1.383E-03                3.000                3.000
.48E      1.148E-03                5.000                5.000
746E      7.746E-04               10.000               10.000
010E      6.010E-04               15.000               15.000
922E      4.922E-04               20.000               20.000
.47E      4.147E-04               25.000               25.000
518E      3.518E-04               30.000               30.000
936E      2.936E-04               35.000               35.000
174E      2.474E-04               40.000               40.000
074E      2.074E-04               45.000               45.000
743E      1.743E-04               50.000               50.000
465E      1.465E-04               55.000               55.000
227E      1.227E-04               60.000               60.000
017E      1.017E-04               65.000               65.000
348E      8.348E-05               70.000               70.000
.59E      7.159E-05               75.000               75.000
.10E      6.110E-05               80.000               80.000
080E      5.080E-05               85.000               85.000
.48E0     1.148E-03                5.0                  5.00
    0K= 17      FIVEXQ(K)= 1.148E-03      FIVEPR(K)= 5.000
COMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

JAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
ERTO DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS:
 OF   SOURCE OF DATA: S:\PAVAN\JFT.DOC
:S:   COMMENTS:  NONE
f: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
CLU0SITE EXCLUSION BOUNDARY CALCULATIONS:
ERCE0FIVE PERCENT OVERALL SITE LIMIT
G W BUILDING WAKE CREDIT ALLOWED:   C=  0.5     A=  2685.     D=   60.0
ARE 0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NU THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
:RD . THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
30E-0    1.280E-03   8.534E-04   8.401E-04   6.400E-04   5.600E-04   4.901E-04   4.267E-04   4.200E-04   4.133E-04   3.667E-04
0.0         0.076       1.218       1.533       4.365       7.065       7.518      10.761      14.926      14.949      15.103
075       0.07585     1.21817     1.53305     4.36471     7.06537     7.51816    10.76124    14.92599    14.94897    15.10297
37E-0    3.267E-04   3.200E-04   2.800E-04   2.450E-04   2.445E-04   2.421E-04   2.100E-04   1.867E-04   1.834E-04   1.634E-04
```

.8.6	18.661	19.171	23.391	28.666	29.611	29.613	30.401	30.528	32.902	40.326
.660	18.66093	19.17118	23.39110	28.66599	29.61064	29.61294	30.40130	30.52771	32.90199	40.32591
.4E-0	1.614E-04	1.225E-04	1.225E-04	1.222E-04	1.210E-04	1.120E-04	9.169E-05	8.326E-05	8.070E-05	7.894E-05
10.3	40.333	44.589	48.984	54.376	54.457	54.484	60.079	60.081	60.502	70.824
332	40.33281	44.58950	48.98409	54.37620	54.45666	54.48425	60.07863	60.08093	60.50154	70.82378
00E-0	7.400E-05	6.244E-05	6.052E-05	5.285E-05	4.915E-05	4.163E-05	4.035E-05	3.887E-05	3.700E-05	3.511E-05
72.5	72.580	72.626	73.226	73.412	85.796	86.042	87.294	87.297	87.315	90.760
.579	72.57978	72.62575	73.22563	73.41183	85.79575	86.04169	87.29433	87.29663	87.31502	90.76037
22E-0	3.122E-05	2.591E-05	2.457E-05	2.421E-05	2.081E-05	1.943E-05	1.890E-05	1.729E-05	1.296E-05	1.249E-05
91.2	91.220	91.222	91.613	93.217	94.130	94.174	94.178	94.532	94.783	96.005
.220	91.22005	91.22234	91.61308	93.21737	94.12984	94.17352	94.17811	94.53207	94.78262	96.00539
:0E-0	1.210E-05	9.717E 06	8.920E-06	6.478E-06	6.244E-06	3.887E-06	2.776E-06	1.943E-06		
96.0	96.031	96.490	96.716	98.003	98.021	99.789	99.993	100.000		
.030	96.03067	96.49036	96.71561	98.00274	98.02113	99.78862	99.99317	100.00007		

0 X/Q PERCENTILES
ON (BASED ON THE UPPER ENVELOPE OF THE
) X/ ORDERED X/Q-FREQUENCY VALUES, AND AS
) ON PLOTTED ON A LOG-NORMAL GRAPH.)
NT 00 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
CHI CHI/Q WITH RESPECT TO WHEN THE WIND BLOWS
AIC SEC/CUBIC METER THE TOTAL TIME INTO THIS SECTOR ONLY

ERROR IN NORMAL TRANSFORMATION FOR A(58)= 100.00007

0
X0 K J XQSAVE(K,I) XQINT(K,I) XQSLOP(K,I)

K	J	XQSAVE(K,I)	XQINT(K,I)	XQSLOP(K,I)
18	1	-6.66084	-7.98373	-0.41709
18	2	-7.08202	-8.35120	-0.58707
18	3	-7.48749	-8.46811	-0.66653
18	4	-7.77517	-8.89063	-1.07295
18	5	-8.31634	-8.89162	-1.07481
18	6	-9.00949	-8.90006	-0.99792
18	7	-9.44677	-8.95070	-0.90547
18	8	-9.92066	NUMXQ(K)= 8	

999E	8.999E-04	1.000	1.000
125E	7.125E-04	3.000	3.000
203E	6.203E-04	5.000	5.000
936E	4.936E-04	10.000	10.000
186E	4.186E-04	15.000	15.000
396E	3.396E-04	20.000	20.000
838E	2.838E-04	25.000	25.000
416E	2.416E-04	30.000	30.000
080E	2.080E-04	35.000	35.000
805E	1.805E-04	40.000	40.000
574E	1.574E-04	45.000	45.000
375E	1.375E-04	50.000	50.000
203E	1.203E-04	55.000	55.000
060E	1.060E-04	60.000	60.000
289E	9.289E-05	65.000	65.000
085E	8.085E-05	70.000	70.000
041E	7.041E-05	75.000	75.000
051E	6.051E-05	80.000	80.000
072E	5.072E-05	85.000	85.000
203E 0	6.203E-04	5.0	5.00

0K= 18 FIVEXQ(K)= 6.203E-04 FIVEPR(K)= 5.000

0 K	HIGHPR	PR	GRNDVT(K)
1	-3.72835	0.00964	5.13239
2	-2.13252	1.64822	7.04698
3	-2.85938	0.21224	9.23278
4	-2.57624	0.49942	15.56955
5	-2.62375	0.43485	7.48138

6	-2.85039	0.21833	4.52101
7	-3.04461	0.11650	4.87267
8	-3.27110	0.05357	4.26588
9	-3.57445	0.01755	6.18277
10	-3.62117	0.01467	7.04698
11	-3.79723	0.00732	10.42107
12	-4.04949	0.00257	6.00809
13	-3.90108	0.00479	2.94429
14	-4.06537	0.00240	1.99274
15	-4.05777	0.00248	3.20631
16	-3.80417	0.00712	4.07511

K	HOURS(K)	TOTHRS
1	0.84444	0.84444
2	144.38379	145.22823
3	18.59215	163.82037
4	43.74876	207.56914
5	38.09262	245.66176
6	19.12607	264.78784
7	10.20526	274.99310
8	4.69281	279.68591
9	1.53755	281.22345
10	1.28487	282.50830
11	0.64112	283.14941
12	0.22493	283.37436
13	0.41961	283.79398
14	0.21016	284.00412
15	0.21711	284.22122
16	0.62340	284.84464

IVE0	K	FIVEXQ	SVANN	SLTIMR	TIMINT	T	TIME	XQT
4E-	1	1.824E-04	2.928E-06	-0.4928	-8.2678			
						1	8.0	-9.29242
						2	16.0	-9.63398
						3	72.0	-10.37512
						4	624.0	-11.43922
0E-	2	3.090E-04	6.163E-06	0.4669	-7.7586			
						1	8.0	-8.72941
						2	16.0	-9.05302
						3	72.0	-9.75523
						4	624.0	-10.76342
7E-	3	6.667E-04	1.417E-05	-0.4593	-6.9948			
						1	8.0	-7.94987
						2	16.0	-8.26823
						3	72.0	-8.95903
						4	624.0	-9.95085
7E-	4	8.257E-04	3.857E-05	-0.3654	-6.8460			
						1	8.0	-7.60578
						2	16.0	-7.85904
						3	72.0	-8.40859
						4	624.0	-9.19761
8E-	5	7.968E-04	1.830E-05	-0.4500	-6.8229			
						1	8.0	-7.75876
						2	16.0	-8.07069
						3	72.0	-8.74758
						4	624.0	-9.71942
9E-	6	6.299E-04	9.070E-06	-0.5057	-7.0194			
						1	8.0	-8.07104
						2	16.0	-8.42159
						3	72.0	-9.18226
						4	624.0	-10.27440

3E-	7	4.933E-04	7.407E-06	0.5007	-7.2673		
						1	8.0 -8.30852
						2	16.0 -8.65561
						3	72.0 -9.40876
						4	624.0 10.49010
0E-	8	3.940E-04	5.616E-06	0.5069	-7.4877		
						1	8.0 -8.54190
						2	16.0 -8.89329
						3	72.0 -9.65577
						4	624.0 -10.75050
9E-	9	3.679E-04	6.671E-06	0.4783	-7.5761		
						1	8.0 -8.57058
						2	16.0 -8.90209
						3	72.0 9.62142
						4	624.0 10.65422
9E-	10	2.859E-04	5.983E-06	-0.4612	-7.8401		
						1	8.0 -8.79909
						2	16.0 -9.11874
						3	72.0 -9.81235
						4	624.0 -10.80821
3E-	11	2.103E-04	5.199E-06	-0.4413	-8.1612		
						1	8.0 -9.07876
						2	16.0 -9.38462
						3	72.0 -10.04830
						4	624.0 -11.00118
2E-	12	1.402E-04	2.314E-06	-0.4894	-8.5331		
						1	8.0 -9.55089
						2	16.0 -9.89015
						3	72.0 -10.62631
						4	624.0 -11.68326
7E-	13	1.117E-04	1.291E-06	-0.5320	-8.7310		
						1	8.0 -9.83718
						2	16.0 -10.20591
						3	72.0 -11.00603
						4	624.0 -12.15480
3E-	14	9.413E-05	8.557E-07	-0.5606	-8.8823		
						1	8.0 -10.04797
						2	16.0 -10.43654
						3	72.0 11.27970
						4	624.0 -12.49028
4E-	15	1.194E-04	1.351E-06	-0.5344	-8.6629		
						1	8.0 -9.77427
						2	16.0 -10.14472
						3	72.0 -10.94856
						4	624.0 -12.10267
3E-	16	1.263E-04	1.685E-06	-0.5149	-8.6196		
						1	8.0 -9.69028
						2	16.0 -10.04719
						3	72.0 10.82164
						4	624.0 -11.93358
8E-	17	1.148E-03	3.857E-05	-0.4047	-6.4889		
						1	8.0 -7.33045
						2	16.0 -7.61097
						3	72.0 -8.21969
						4	624.0 -9.09367
3E-	18	6.203E-04	3.857E-05	0.3313	-7.1557		
						1	8.0 -7.84456
						2	16.0 8.07417
						3	72.0 -8.57241

4 624.0 9.28775

OMPUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: P/ PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0

RELATIVE CONCENTRATION (X/Q) VALUES (SEC/CUBIC METER)
VERSUS
AVERAGING TIME

D D: (I	DOWNWIND DISTANCE SECTOR	(METERS)	0-2 HOURS	0-8 HOURS	8-24 HOURS	1-4 DAYS	4-30 DAYS	ANNUAL AVERAGE	HOURS PER YEAR MAX 0-2 HR X/Q IS EXCEEDED IN SECTOR	DOWNWIND SECTOR
	S	549.	1.82E-04	9.21E-05	6.55E-05	3.12E-05	1.08E-05	2.93E-06	0.8	S
	SSW	549.	3.09E-04	1.62E-04	1.17E-04	5.80E-05	2.12E-05	6.16E-06	144.4	SSW
	SW	549.	6.67E-04	3.53E-04	2.57E-04	1.29E-04	4.77E-05	1.42E-05	18.6	SW
	WSW	549.	8.26E-04	4.98E-04	3.86E-04	2.23E-04	1.01E-04	3.86E-05	43.7	WSW
	W	549.	7.97E-04	4.27E-04	3.13E-04	1.59E-04	6.01E-05	1.83E-05	38.1	W
	WNW	549.	6.30E-04	3.12E-04	2.20E-04	1.03E-04	3.45E-05	9.07E-06	19.1	WNW
	NW	549.	4.93E-04	2.46E-04	1.74E-04	8.20E-05	2.78E-05	7.41E-06	10.2	NW
	NNW	549.	3.94E-04	1.95E-04	1.37E-04	6.41E-05	2.14E-05	5.62E-06	4.7	NNW
	N	549.	3.68E-04	1.90E-04	1.36E-04	6.63E-05	2.36E-05	6.67E-06	1.5	N
	NNE	549.	2.86E-04	1.51E-04	1.10E-04	5.48E-05	2.02E-05	5.98E-06	1.3	NNE
	NE	549.	2.10E-04	1.14E-04	8.40E-05	4.33E-05	1.67E-05	5.20E-06	0.6	NE
	ENE	549.	1.40E-04	7.11E-05	5.07E-05	2.43E-05	8.43E-06	2.31E-06	0.2	ENE
	E	549.	1.12E-04	5.34E-05	3.70E-05	1.66E-05	5.26E-06	1.29E-06	0.4	E
	ESE	549.	9.41E-05	4.33E-05	2.93E-05	1.26E-05	3.76E-06	8.56E-07	0.2	ESE
	SE	549.	1.19E-04	5.69E-05	3.93E-05	1.76E-05	5.54E-06	1.35E-06	0.2	SE
	SSE	549.	1.26E-04	6.19E-05	4.33E-05	2.00E-05	6.57E-06	1.68E-06	0.6	SSE
	MAX X/Q		8.26E-04				TOTAL HOURS AROUND SITE:		284.8	
.4	SRP 2.3.4	549.	1.15E-03	6.55E-04	4.95E-04	2.69E-04	1.12E-04	3.86E-05		
MIT	SITE LIMIT		6.20E-04	3.92E-04	3.11E-04	1.89E-04	9.26E-05	3.86E-05		

CEND0.5 PERCENT X/Q TO AN INDIVIDUAL IS LIMITING.
*: 0**NOTE**: VALUES ON THIS PAGE ARE APPROXIMATIONS ONLY.
(CHECK THE REASONABLENESS OF THE ENVELOPES
(COMPUTED FOR THE 0-2 HOUR VALUES. FOR ANY
) FAULTY ENVELOPES, ADJUST THE ABOVE VALUES.

OMPUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: P/ PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE S SECTOR.

TY) A:	STABILITY CLASS	WINDSPEED METER/SEC AT 10.0 METERS	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE CA=1342.SQ.METERS	USED
	A	0.5	0.04	4827.	0.	0.	776.2	1000.0	776.2	8.202E-07	8.197E-07	8.197E-07
	A	1.5	0.09	4827.	0.	0.	776.2	1000.0	776.2	2.734E-07	2.732E-07	2.732E-07
	A	2.0	0.13	4827.	0.	0.	776.2	1000.0	776.2	2.050E-07	2.049E-07	2.049E-07
	A	3.0	0.49	4827.	0.	0.	776.2	1000.0	776.2	1.367E-07	1.366E-07	1.366E-07
	A	5.0	1.25	4827.	0.	0.	776.2	1000.0	776.2	8.202E-08	8.197E-08	8.197E-08
	A	7.0	0.18	4827.	0.	0.	776.2	1000.0	776.2	5.858E-08	5.855E-08	5.855E-08

B	0.8	0.04	4827.	0.	0.	583.7	611.6	583.7	1.189E-06	1.187E-06	1.187E-06
B	1.5	0.04	4827.	0.	0.	583.7	611.6	583.7	5.944E 07	5.937E-07	5.937E-07
B	2.0	0.22	4827.	0.	0.	583.7	611.6	583.7	4.458E-07	4.453E-07	4.453E-07
B	3.0	0.40	4827.	0.	0.	583.7	611.6	583.7	2.972E-07	2.968E-07	2.968E-07
B	5.0	1.88	4827.	0.	0.	583.7	611.6	583.7	1.783E-07	1.781E-07	1.781E-07
B	7.0	0.36	4827.	0.	0.	583.7	611.6	583.7	1.274E-07	1.272E-07	1.272E-07
C	1.5	0.13	4827.	0.	0.	443.3	256.4	443.3	1.867E-06	1.860E-06	1.860E-06
C	2.0	0.31	4827.	0.	0.	443.3	256.4	443.3	1.400E-06	1.395E-06	1.395E-06
C	3.0	1.03	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
C	5.0	3.27	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
C	7.0	0.27	4827.	0.	0.	443.3	256.4	443.3	4.001E-07	3.986E-07	3.986E-07
D	0.5	0.09	4827.	0.	0.	312.1	87.3	373.7	1.952E-05	2.301E-05	1.952E-05
D	0.8	0.31	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
D	1.0	1.03	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
D	1.5	3.31	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	5.33	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	19.39	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	32.06	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	4.39	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
E	0.5	0.04	4827.	0.	0.	222.0	55.4	309.5	3.710E-05	5.000E-05	3.710E-05
E	0.8	0.63	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	1.25	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	4.03	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	6.18	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	6.45	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	2.37	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
E	7.0	0.09	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06
F	0.5	0.04	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
F	0.8	0.22	4827.	0.	0.	153.2	34.5	243.9	5.046E-05	7.431E-05	5.046E-05
F	1.0	0.27	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
F	1.5	1.12	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	0.49	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
F	3.0	0.22	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E-05
F	5.0	0.09	4827.	0.	0.	153.2	34.5	161.0	1.146E-05	1.115E-05	1.115E-05
G	0.5	0.04	4827.	0.	0.	105.7	21.5	210.1	1.413E-04	2.361E-04	1.413E-04
G	0.8	0.09	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E-04	9.418E-05
G	1.0	0.09	4827.	0.	0.	105.7	21.5	210.1	7.063E-05	1.181E-04	7.063E-05
G	1.5	0.13	4827.	0.	0.	105.7	21.5	210.1	4.709E-05	7.871E-05	4.709E-05
G	2.0	0.04	4827.	0.	0.	105.7	21.5	210.0	3.532E-05	5.903E-05	3.532E-05

OMPUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RIOD DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REL TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: PA PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ULATION POPULATION ZONE CALCULATIONS:
CTOR S SECTOR BOUNDARY DISTANCE = 4827.0 METERS
(PLULATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
NCTI AS A FUNCTION OF DOWNWIND DISTANCE.
CRE MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
G WA BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
RE DBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.

' NUI THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD I THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

3E-0	1.413E-04	9.418E 05	7.569E-05	7.063E-05	5.046E 05	4.709E-05	3.785E-05	3.710E-05	3.532E-05	2.523E-05
0.0	0.045	0.134	0.179	0.269	0.493	0.627	0.896	0.940	0.985	2.105
002	0.00230	0.00690	0.00919	0.01379	0.02528	0.03218	0.04597	0.04827	0.05057	0.10803
3E-0	2.473E-05	1.952E-05	1.892E-05	1.855E-05	1.574E-05	1.301E-05	1.237E-05	1.115E-05	9.761E-06	9.275E-06
2.7	2.732	2.821	3.314	4.568	4.792	5.105	9.136	9.225	10.255	16.435
140	0.14020	0.14480	0.17008	0.23444	0.24593	0.26202	0.46888	0.47348	0.52634	0.84352
2E-0	7.202E-06	6.507E-06	4.977E-06	4.880E-06	3.571E-06	3.515E-06	2.282E-06	1.860E-06	1.644E-06	1.395E-06
2.8	22.884	26.198	28.571	33.901	33.990	53.381	85.446	85.580	89.969	90.282
174	1.17450	1.34458	1.46640	1.73991	1.74451	2.73973	4.38540	4.39230	4.61754	4.63363
7E-0	1.187E-06	9.301E-07	8.197E-07	5.937E-07	5.581E-07	4.453E-07	3.986E-07	2.968E-07	2.732E-07	2.049E-07
0.3	90.327	91.357	91.402	91.446	94.716	94.940	95.208	95.611	95.701	95.835
635	4.63593	4.68879	4.69109	4.69339	4.86118	4.87267	4.88646	4.90714	4.91174	4.91864
1E-0	1.781E-07	1.366E-07	1.272E-07	8.197E-08	5.855E-08					
7.7	97.716	98.209	98.567	99.821	100.000					
015	5.01517	5.04045	5.05884	5.12320	5.13239					

:0 X/Q PERCENTILES
ON ' (BASED ON THE UPPER ENVELOPE OF THE
' X/(ORDERED X/Q-FREQUENCY VALUES, AND AS
' ON PLOTTED ON A LOG-NORMAL GRAPH.)
T O0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

CHI,	CHI/Q	WITH RESPECT TO	WHEN THE WIND BLOWS
IC '	SEC/CUBIC METER	THE TOTAL TIME	INTO THIS SECTOR ONLY

HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(2)= 0.007
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(3)= 0.140
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(4)= 0.843
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(5)= 1.343
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(6)= 4.382
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(7)= 4.614

X(0	K	I	XQSAVE(K,I)	XQINT(K,T)	XQSLOP(K,I)
	1	1	-8.86484	-15.14135	-1.54016
	1	2	9.27031	-15.46176	-1.62421
	1	3	-10.60739	-15.50292	-1.63798
	1	4	-11.58822	-16.38918	-2.00881
	1	5	-11.94262	-16.52999	-2.07242
	1	6	-12.99031	-35.87966	-13.40132
	1	7	-13.31859	NUMXQ(K)=	7

91E-	3.991E-05	0.051	1.000
60E-	2.360E-05	0.154	3.000
12E-	1.812E-05	0.257	5.000
40E-	1.240E-05	0.513	10.000
96E-	9.796E-06	0.770	15.000
10E-	8.010E-06	1.026	20.000
49E-	6.749E-06	1.283	25.000
26E-	5.826E-06	1.540	30.000
24E-	5.124E-06	1.796	35.000
73E-	4.573E-06	2.053	40.000
29E-	4.129E-06	2.310	45.000
62E-	3.762E-06	2.566	50.000
54E-	3.454E-06	2.823	55.000
91E-	3.191E-06	3.079	60.000
63E-	2.963E-06	3.336	65.000
64E-	2.764E-06	3.593	70.000
89E-	2.589E-06	3.849	75.000
33E-	2.433E-06	4.106	80.000
94E-	2.294E-06	4.363	85.000
58E-0	1.258E-05	0.5	9.74

AVEDANNUAL AVERAGE = 1.18E-07
I EK= 1 FIVEXQ(K)= 1.258E-05 FIVEPR(K)= 9.742
DMPULUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: P/ PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER \0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE SSW SECTOR.

TY ¥ STABILITY CLASS	WINDSPEED METER/SEC AT 10.0 METERS	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE CA=1342.SQ.METERS	USED
A	1.5	0.10	4827.	0.	0.	776.2	1000.0	776.2	2.734E-07	2.732E-07	2.732E-07
A	2.0	0.03	4827.	0.	0.	776.2	1000.0	776.2	2.050E-07	2.049E-07	2.049E-07
A	3.0	0.91	4827.	0.	0.	776.2	1000.0	776.2	1.367E-07	1.366E-07	1.366E-07
A	5.0	1.89	4827.	0.	0.	776.2	1000.0	776.2	8.202E-08	8.197E-08	8.197E-08
A	7.0	0.13	4827.	0.	0.	776.2	1000.0	776.2	5.858E-08	5.855E-08	5.855E-08
B	1.5	0.10	4827.	0.	0.	583.7	611.6	583.7	5.944E-07	5.937E-07	5.937E-07
B	2.0	0.65	4827.	0.	0.	583.7	611.6	583.7	4.458E-07	4.453E-07	4.453E-07
B	3.0	1.53	4827.	0.	0.	583.7	611.6	583.7	2.972E-07	2.968E-07	2.968E-07
B	5.0	1.11	4827.	0.	0.	583.7	611.6	583.7	1.783E-07	1.781E-07	1.781E-07
B	7.0	0.10	4827.	0.	0.	583.7	611.6	583.7	1.274E-07	1.272E-07	1.272E-07
C	1.0	0.03	4827.	0.	0.	443.3	256.4	443.3	2.801E-06	2.790E-06	2.790E-06
C	1.5	0.26	4827.	0.	0.	443.3	256.4	443.3	1.867E-06	1.860E-06	1.860E-06
C	2.0	0.68	4827.	0.	0.	443.3	256.4	443.3	1.400E-06	1.395E-06	1.395E-06
C	3.0	1.70	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
C	5.0	1.92	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
C	7.0	0.20	4827.	0.	0.	443.3	256.4	443.3	4.001E-07	3.986E-07	3.986E-07
D	0.5	0.03	4827.	0.	0.	312.1	87.3	373.7	1.952E-05	2.301E-05	1.952E-05
D	0.8	0.52	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
D	1.0	2.09	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
D	1.5	6.98	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	8.71	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	16.93	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	10.57	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	0.49	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
E	0.5	0.10	4827.	0.	0.	222.0	55.4	309.5	3.710E-05	5.000E-05	3.710E-05
E	0.8	1.08	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	3.65	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	10.57	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	8.77	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	8.28	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	2.58	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
E	7.0	0.03	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06
F	0.5	0.16	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
F	0.8	0.68	4827.	0.	0.	153.2	34.5	243.9	5.046E-05	7.431E-05	5.046E-05
F	1.0	1.11	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
F	1.5	2.15	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	1.04	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
F	3.0	0.29	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E-05
F	5.0	0.03	4827.	0.	0.	153.2	34.5	161.0	1.146E-05	1.115E-05	1.115E-05

G	0.5	0.03	4827.	0.	0.	105.7	21.5	210.1	1.413E-04	2.361E-04	1.413E-04
G	0.8	0.52	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E-04	9.418E-05
G	1.0	0.55	4827.	0.	0.	105.7	21.5	210.1	7.063E-05	1.181E-04	7.063E-05
G	1.5	0.55	4827.	0.	0.	105.7	21.5	210.1	4.709E-05	7.871E-05	4.709E-05
G	2.0	0.10	4827.	0.	0.	105.7	21.5	210.0	3.532E-05	5.903E-05	3.532E-05
G	3.0	0.03	4827.	0.	0.	105.7	21.5	149.5	3.308E-05	3.936E-05	3.308E-05

:OMPIUSNRC COMPUTER CODE PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
:RIO: DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF : SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S: COMMENTS: NONE
I: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ULA'OLOW POPULATION ZONE CALCULATIONS:
:CTOI0 SSW SECTOR BOUNDARY DISTANCE = 4827.0 METERS
, PLIOLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
INCT: AS A FUNCTION OF DOWNWIND DISTANCE.
: CRI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
IG W, BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
.RE IOBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NUI THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
'RD I THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

3E-I0	1.413E-04	9.418E-05	7.569E-05	7.063E-05	5.046E-05	4.709E-05	3.785E-05	3.710E-05	3.532E-05	3.308E-05
0.0:	0.033	0.554	0.718	1.272	1.957	2.511	3.620	3.718	3.816	3.849
002:	0.00230	0.03907	0.05057	0.08964	0.13791	0.17698	0.25513	0.26202	0.26892	0.27121
3E-I0	2.523E-05	2.473E-05	1.952E-05	1.892E-05	1.855E-05	1.574E-05	1.301E-05	1.237E-05	1.115E-05	9.761E-06
6.0:	6.001	7.078	7.110	8.154	11.807	12.100	12.622	23.190	23.222	25.310
422:	0.42291	0.49876	0.50106	0.57461	0.83203	0.85272	0.88949	1.63418	1.63648	1.78358
'5E-I0	9.275E-06	7.202E-06	6.507E-06	4.977E-06	4.880E-06	3.571E-06	3.515E-06	2.790E-06	2.282E-06	1.860E-06
4.0:	34.083	42.368	49.348	51.924	60.633	60.665	77.593	77.626	88.193	88.454
401:	2.40186	2.98566	3.47752	3.65910	4.27278	4.27508	5.46796	5.47026	6.21495	6.23334
4E-I0	1.644E-06	1.395E-06	9.301E-07	5.937E-07	5.581E-07	4.453E-07	3.986E-07	2.968E-07	2.732E-07	2.049E-07
8.9:	88.943	89.628	91.324	91.422	93.346	93.999	94.194	95.727	95.825	95.858
267:	6.26781	6.31608	6.43560	6.44249	6.57810	6.62407	6.63786	6.74589	6.75278	6.75508
:1E-I0	1.781E-07	1.366E-07	1.272E-07	8.197E-08	5.855E-08					
6.9:	96.967	97.880	97.978	99.870	100.000					
833:	6.83323	6.89758	6.90448	7.03779	7.04698					

:0 X/Q PERCENTILES
ON ' (BASED ON THE UPPER ENVELOPE OF THE
) X/(ORDERED X/Q-FREQUENCY VALUES, AND AS
) ON PLOTTED ON A LOG-NORMAL GRAPH.)
T 0I0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

CHI,	CHI/Q	WITH RESPECT TO	WHEN THE WIND BLOWS
IC I	SEC/CUBIC METER	THE TOTAL TIME	INTO THIS SECTOR ONLY

HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(3)= 0.090
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(4)= 0.498
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(5)= 1.632
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(6)= 2.399
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(7)= 3.474
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(8)= 5.464

X0	K	I	XQSAVE(K,I)	XQINT(K,I)	XQSLOP(K,I)
	2	1	-8.86484	-11.17344	-0.56649
	2	2	-9.27031	-13.35449	-1.21571
	2	3	-9.55799	-15.56271	-1.92283
	2	4	-10.60739	-14.66069	-1.57282
	2	5	-11.30054	-15.16794	-1.81025

```
      2  6      -11.58822 -15.90782  -2.18440
      2  7      -11.94262 -17.17104  -2.88031
      2  8      -12.55846      NUMXQ(K)=  8
92E-    7.692E-05              0.070              1.000
69E-    4.269E-05              0.211              3.000
03E-    3.103E-05              0.352              5.000
42E-    2.042E-05              0.705             10.000
14E-    1.614E-05              1.057             15.000
56E-    1.356E-05              1.409             20.000
71E-    1.171E-05              1.762             25.000
22E-    1.022E-05              2.114             30.000
48E-    9.048E-06              2.466             35.000
78E-    7.978E-06              2.819             40.000
23E-    7.123E-06              3.171             45.000
97E     6.397E-06              3.523             50.000
41E-    5.641E-06              3.876             55.000
20E-    5.020E-06              4.228             60.000
02E-    4.502E-06              4.581             65.000
63E-    4.063E-06              4.933             70.000
89E-    3.689E-06              5.285             75.000
70RO    2.470E-05              0.5                7.10
AVEIANNUAL AVERAGE =    2.52E-07
   IOK=  2      FIVEXQ(K)= 2.470E-05      FIVEPR(K)= 7.095
:OMPUUSNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
:RIOI DATA PERIOD: 5 YEARS OF DATA                   WIND SENSORS HEIGHT:  10.0 METER
' REI TYPE OF RELEASE: GROUND-LEVEL  no ter          DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S:  COMMENTS:  NONE
I: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ER 'OPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE  SW SECTOR.
'TY I STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
;  I   CLASS   METER/SEC  PERCENT   METERS    METERS      METERS     METERS  METERS   METERS       MEANDER   BLDG WAKE        USED
  A'          AT  10.0 METERS                                                                          CA=1342.SQ.METERS

      A         1.5        0.17     4827.      0.          0.        776.2  1000.0   776.2      2.734E-07  2.732E-07  2.732E-07
      A         2.0        0.37     4827.      0.          0.        776.2  1000.0   776.2      2.050E-07  2.049E-07  2.049E-07
      A         3.0        1.12     4827.      0.          0.        776.2  1000.0   776.2      1.367E-07  1.366E-07  1.366E-07
      A         5.0        0.57     4827.      0.          0.        776.2  1000.0   776.2      8.202E-08  8.197E-08  8.197E-08

      B         1.5        0.30     4827.      0.          0.        583.7   611.6   583.7      5.944E-07  5.937E-07  5.937E-07
      B         2.0        0.40     4827.      0.          0.        583.7   611.6   583.7      4.458E-07  4.453E-07  4.453E-07
      B         3.0        1.15     4827.      0.          0.        583.7   611.6   583.7      2.972E-07  2.968E-07  2.968E-07
      B         5.0        0.60     4827.      0.          0.        583.7   611.6   583.7      1.783E-07  1.781E-07  1.781E-07

      C         1.5        0.30     4827.      0.          0.        443.3   256.4   443.3      1.867E-06  1.860E-06  1.860E-06
      C         2.0        0.60     4827.      0.          0.        443.3   256.4   443.3      1.400E-06  1.395E-06  1.395E-06
      C         3.0        1.12     4827.      0.          0.        443.3   256.4   443.3      9.336E-07  9.301E-07  9.301E-07
      C         5.0        0.50     4827.      0.          0.        443.3   256.4   443.3      5.601E-07  5.581E-07  5.581E-07

      D         0.5        0.22     4827.      0.          0.        312.1    87.3   373.7      1.952E-05  2.301E-05  1.952E-05
      D         0.8        0.82     4827.      0.          0.        312.1    87.3   373.7      1.301E-05  1.534E-05  1.301E-05
      D         1.0        2.96     4827.      0.          0.        312.1    87.3   373.7      9.761E-06  1.151E-05  9.761E-06
      D         1.5        6.87     4827.      0.          0.        312.1    87.3   373.7      6.507E-06  7.670E-06  6.507E-06
      D         2.0        7.00     4827.      0.          0.        312.1    87.3   373.7      4.880E-06  5.753E-06  4.880E-06
      D         3.0       10.41     4827.      0.          0.        312.1    87.3   345.9      3.515E-06  3.835E-06  3.515E-06
      D         5.0        4.08     4827.      0.          0.        312.1    87.3   319.6      2.282E-06  2.301E-06  2.282E-06
      D         7.0        0.15     4827.      0.          0.        312.1    87.3   312.1      1.669E-06  1.644E-06  1.644E-06
```

E	0.5	0.32	4827.	0.	0.	222.0	55.4	309.5	3.710E-05	5.000E-05	3.710E-05
E	0.8	3.09	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	7.19	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	13.72	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	4.90	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	3.96	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	1.34	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
F	0.5	0.32	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
F	0.8	2.29	4827.	0.	0.	153.2	34.5	243.9	5.046E-05	7.431E-05	5.046E-05
F	1.0	4.93	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E 05	3.785E-05
F	1.5	6.40	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	1.24	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
F	3.0	0.02	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E 05
F	5.0	0.02	4827.	0.	0.	153.2	34.5	161.0	1.146E 05	1.115E-05	1.115E-05
G	0.5	0.05	4827.	0.	0.	105.7	21.5	210.1	1.413E 04	2.361E 04	1.413E-04
G	0.8	1.77	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E-04	9.418E-05
G	1.0	4.18	4827.	0.	0.	105.7	21.5	210.1	7.063E-05	1.181E-04	7.063E 05
G	1.5	4.03	4827.	0.	0.	105.7	21.5	210.1	4.709E-05	7.871E-05	4.709E 05
G	2.0	0.47	4827.	0.	0.	105.7	21.5	210.0	3.532E-05	5.903E-05	3.532E-05
G	3.0	0.02	4827.	0.	0.	105.7	21.5	149.5	3.308E-05	3.936E-05	3.308E-05

:OMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
:RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
' REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S: COMMENTS: NONE
I: P: PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ULAOLOW POPULATION ZONE CALCULATIONS:
:CTOIO SW SECTOR BOUNDARY DISTANCE = 4827.0 METERS
, PIIOLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
ONCT: AS A FUNCTION OF DOWNWIND DISTANCE.
: CRI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
IG W: BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
:RE IOBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NUI THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
'RD I THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

.3E-10	1.413E-04	9.418E-05	7.569E-05	7.063E-05	5.046E-05	4.709E-05	3.785E-05	3.710E-05	3.532E-05	3.308E-05
0.0	0.050	1.817	2.141	6.323	8.613	12.646	17.575	17.899	18.372	18.397
004	0.00460	0.16779	0.19766	0.58380	0.79526	1.16760	1.62269	1.65257	1.69624	1.69854
:3E-10	2.523E-05	2.473E-05	1.952E-05	1.892E-05	1.855E-05	1.574E-05	1.301E-05	1.237E-05	1.115E-05	9.761E-06
:4.7	24.795	27.882	28.106	29.350	36.545	36.570	37.391	51.108	51.133	54.095
289	2.28923	2.57424	2.59493	2.70985	3.37409	3.37639	3.45224	4.71867	4.72097	4.99448
'5E-10	9.275E-06	7.202E-06	6.507E-06	4.977E-06	4.880E-06	3.515E-06	2.282E-06	1.860E-06	1.644E-06	1.395E-06
:8.9	58.999	62.957	69.828	71.173	78.168	88.574	92.656	92.955	93.104	93.702
447	5.44727	5.81272	6.44709	6.57121	7.21706	8.17781	8.55475	8.58233	8.59612	8.65128
:1E-10	9.301E-07	5.937E-07	5.581E-07	4.453E-07	2.968E-07	2.732E-07	2.049E-07	1.781E-07	1.366E-07	8.197E 08
:4.8	94.822	95.121	95.619	96.017	97.162	97.336	97.710	98.307	99.427	100.000
'754	8.75471	8.78229	8.82826	8.86504	8.97076	8.98685	9.02133	9.07649	9.17992	9.23279

:D X/Q PERCENTILES
ON ' (BASED ON THE UPPER ENVELOPE OF THE
: X/(ORDERED X/Q-FREQUENCY VALUES, AND AS
: ON PLOTTED ON A LOG-NORMAL GRAPH.)
T OID PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

CHI,	CHI/Q	WITH RESPECT TO	WHEN THE WIND BLOWS
:IC I	SEC/CUBIC METER	THE TOTAL TIME	INTO THIS SECTOR ONLY

EC-ENVR-1057
Page 516

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HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.166
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.621
HANDCHECK GRAPH:  SLOPE LT  1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.572
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   3.371
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   4.715
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   5.443
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(10)=   6.443
```

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X0  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
    3  1      -8.86484 -10.48705  -0.41478
    3  2      -9.27031 -11.32235  -0.69953
    3  3      -9.55799 -13.58208  -1.59546
    3  4      -9.96346 -13.80995  -1.69593
    3  5     -10.18197 -14.93743  -2.22299
    3  6     -10.60739 -15.31686  -2.41778
    3  7     -10.89507 -15.65685  -2.60368
    3  8     -11.30054 -18.19250  -4.11920
    3  9     -11.58822 -18.29674  -4.18421
    3 10     -11.94262     NUMXQ(K)= 10
015E-    1.015E-04          0.092          1.000
25E-     8.425E-05          0.277          3.000
78E-     7.478E-05          0.462          5.000
23E-     5.423E-05          0.923         10.000
10E-     4.210E-05          1.385         15.000
70E-     3.370E-05          1.847         20.000
42E      2.742E-05          2.308         25.000
91E      2.291E-05          2.770         30.000
44E      1.944E-05          3.231         35.000
67E-     1.667E-05          3.693         40.000
47E      1.447E-05          4.155         45.000
71E-     1.271E-05          4.616         50.000
69E-     1.069E-05          5.078         55.000
57E-     8.957E-06          5.540         60.000
77E-     7.577E-06          6.001         65.000
36E-0    7.336E-05          0.5            5.42
AVE10ANNUAL AVERAGE =   5.65E-07
  10K=  3     F1VEXQ(K)= 7.336E-05     F1VEPR(K)= 5.415
COMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
RTOI DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
' REI TYPE OF RELEASE: GROUND-LEVEL  no ter          DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S:  COMMENTS:  NONE
I: P/ PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ER 10PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE WSW SECTOR.
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TY I	STABILITY CLASS	WINDSPEED METER/SEC	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE	USED
A!		AT 10.0 METERS									CA=1342.SQ.METERS	
	A	1.0	0.01	4827.	0.	0.	776.2	1000.0	776.2	4.101E-07	4.099E-07	4.099E-07
	A	1.5	0.12	4827.	0.	0.	776.2	1000.0	776.2	2.734E-07	2.732E-07	2.732E-07
	A	2.0	0.25	4827.	0.	0.	776.2	1000.0	776.2	2.050E-07	2.049E-07	2.049E-07
	A	3.0	0.16	4827.	0.	0.	776.2	1000.0	776.2	1.367E-07	1.366E-07	1.366E-07
	A	5.0	0.06	4827.	0.	0.	776.2	1000.0	776.2	8.202E-08	8.197E-08	8.197E-08
	B	1.0	0.01	4827.	0.	0.	583.7	611.6	583.7	8.916E-07	8.905E-07	8.905E-07
	B	1.5	0.35	4827.	0.	0.	583.7	611.6	583.7	5.944E-07	5.937E-07	5.937E-07
	B	2.0	0.19	4827.	0.	0.	583.7	611.6	583.7	4.458E-07	4.453E-07	4.453E-07

B	3.0	0.15	4827.	0.	0.	583.7	611.6	583.7	2.972E-07	2.968E-07	2.968E-07
B	5.0	0.03	4827.	0.	0.	583.7	611.6	583.7	1.783E-07	1.781E-07	1.781E-07
C	1.0	0.03	4827.	0.	0.	443.3	256.4	443.3	2.801E-06	2.790E-06	2.790E-06
C	1.5	0.37	4827.	0.	0.	443.3	256.4	443.3	1.867E-06	1.860E-06	1.860E-06
C	2.0	0.30	4827.	0.	0.	443.3	256.4	443.3	1.400E-06	1.395E-06	1.395E-06
C	3.0	0.21	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
C	5.0	0.06	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
D	0.5	0.12	4827.	0.	0.	312.1	87.3	373.7	1.952E-05	2.301E-05	1.952E-05
D	0.8	0.75	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
D	1.0	1.92	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
D	1.5	3.23	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	2.26	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	2.33	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	0.80	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	0.04	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
E	0.5	0.30	4827.	0.	0.	222.0	55.4	309.5	3.710E-05	5.000E-05	3.710E-05
E	0.8	4.12	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	6.89	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	7.28	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	1.28	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	0.43	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	0.10	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
E	7.0	0.04	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06
F	0.5	0.31	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
F	0.8	5.33	4827.	0.	0.	153.2	34.5	243.9	5.046E-05	7.431E-05	5.046E-05
F	1.0	11.90	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
F	1.5	14.67	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	2.20	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
F	3.0	0.09	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E-05
G	0.5	0.12	4827.	0.	0.	105.7	21.5	210.1	1.413E-04	2.361E-04	1.413E-04
G	0.8	2.47	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E-04	9.418E-05
G	1.0	10.19	4827.	0.	0.	105.7	21.5	210.1	7.063E-05	1.181E-04	7.063E-05
G	1.5	15.72	4827.	0.	0.	105.7	21.5	210.1	4.709E-05	7.871E-05	4.709E-05
G	2.0	2.75	4827.	0.	0.	105.7	21.5	210.0	3.532E-05	5.903E-05	3.532E-05
G	3.0	0.06	4827.	0.	0.	105.7	21.5	149.5	3.308E-05	3.936E-05	3.308E-05

:OMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
:RIO DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S: COMMENTS: NONE
I: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ULA'OLOW POPULATION ZONE CALCULATIONS:
:CTOIO WSW SECTOR BOUNDARY DISTANCE = 4827.0 METERS
, PLIOLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
INCT AS A FUNCTION OF DOWNWIND DISTANCE.
: CRI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
IG W. BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
ARE :OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NUI THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
'RD I THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

.3E-0	1.413E-04	9.418E-05	7.569E-05	7.063E-05	5.046E-05	4.709E-05	3.785E-05	3.710E-05	3.532E-05	3.308E-05
0.1	0.118	2.583	2.893	13.079	18.409	34.131	46.029	46.324	49.070	49.129

018.	0.01839	0.40222	0.45049	2.03641	2.86614	5.31397	7.16650	7.21247	7.63997	7.64917
3E-0	2.523E-05	2.473E-05	1.952E-05	1.892E-05	1.855E-05	1.574E-05	1.301E-05	1.237E-05	9.761E-06	9.275E-06
3.8	63.803	67.921	68.040	70.239	77.133	77.222	77.975	85.252	87.172	88.456
933	9.93381	10.57507	10.59345	10.93592	12.00928	12.02308	12.14029	13.27342	13.57222	13.77218
2E-0	7.202E-06	6.507E-06	4.977E-06	4.880E-06	3.571E-06	3.515E-06	2.790E-06	2.282E-06	1.860E-06	1.644E-06
8.8	88.884	92.117	92.220	94.479	94.523	96.856	96.885	97.682	98.051	98.096
838	13.83883	14.34219	14.35828	14.70994	14.71683	15.07998	15.08458	15.20870	15.26616	15.27305
5E-0	1.395E-06	9.301E-07	8.905E-07	5.937E-07	5.581E-07	4.453E-07	4.099E-07	2.968E-07	2.732E-07	2.049E-07
8.3	98.391	98.598	98.612	98.967	99.026	99.218	99.232	99.380	99.498	99.749
319	15.31902	15.35120	15.35350	15.40866	15.41785	15.44773	15.45003	15.47302	15.49140	15.53048
1E-0	1.781E-07	1.366E-07	8.197E-08							
9.7	99.779	99.941	100.000							
535	15.53507	15.56036	15.56955							

:0 X/Q PERCENTILES
ON ' (BASED ON THE UPPER ENVELOPE OF THE
) X/(ORDERED X/Q-FREQUENCY VALUES, AND AS
) ON PLOTTED ON A LOG-NORMAL GRAPH.)
IT 0.0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

CHI	CHI/Q	WITH RESPECT TO	WHEN THE WIND BLOWS
ITC	1 SEC/CUBIC METER	THE TOTAL TIME	INTO THIS SECTOR ONLY

HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(5)= 7.163
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(6)= 10.572
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(7)= 12.007
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(8)= 13.272
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(9)= 13.771
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(10)= 14.342
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(11)= 14.710

X0	K	I	XQSAVE(K,I)	XQINT(K,I)	XQSLOP(K,I)
	4	1	8.86484	-10.44903	0.44470
	4	2	9.27031	-10.53306	0.47640
	4	3	-9.55799	-11.48241	-0.94024
	4	4	-9.96346	-12.29037	-1.44038
	4	5	-10.18197	-13.08945	-1.98627
	4	6	-10.60739	-15.40203	-3.83692
	4	7	-10.89507	-18.70164	-6.64600
	4	8	-11.30054	-25.25107	-12.52722
	4	9	-11.58822	-26.70972	-13.86462
	4	10	-11.94262	-30.93904	-17.83547
	4	11	-12.23028	NUMXQ(K)= 11	

079E	1.079E-04	0.156	1.000
92E-	9.192E-05	0.467	3.000
35E-	8.435E-05	0.778	5.000
40E-	7.440E-05	1.557	10.000
93E-	6.693E-05	2.335	15.000
52E-	5.952E-05	3.114	20.000
13E	5.413E-05	3.892	25.000
94E-	4.994E-05	4.671	30.000
26E-	4.626E-05	5.449	35.000
01E-	4.201E-05	6.228	40.000
50E-	3.850E-05	7.006	45.000
69E-	3.469E-05	7.785	50.000
31E	3.131E-05	8.563	55.000
46E-	2.846E-05	9.342	60.000
01E-	2.601E-05	10.120	65.000
12E-	2.312E-05	10.899	70.000
78E-	1.978E-05	11.677	75.000
02E-	1.602E-05	12.456	80.000
52E-	1.252E-05	13.234	85.000

EC-ENVR-1057
Page 519

77E- 7.977E-06 14.013 90.000
60E-0 9.090E-05 0.5 3.21
AVERDANNUAL AVERAGE = 1.48E-06
: EDK= 4 FIVEXQ(K)= 9.090E-05 FIVEPR(K)= 3.211
OMPUSNRC COMPUTER CODE PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RTOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS=
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: P/ PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER \OPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE W SECTOR.

TY V A AT	STABILITY CLASS	WINDSPEED METER/SEC AT 10.0 METERS	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE CA=1342.SQ.METERS	USED
	A	1.0	0.12	4827.	0.	0.	776.2	1000.0	776.2	4.101E-07	4.099E-07	4.099E-07
	A	1.5	0.80	4827.	0.	0.	776.2	1000.0	776.2	2.734E-07	2.732E-07	2.732E-07
	A	2.0	0.25	4827.	0.	0.	776.2	1000.0	776.2	2.050E-07	2.049E-07	2.049E-07
	A	3.0	0.12	4827.	0.	0.	776.2	1000.0	776.2	1.367E-07	1.366E-07	1.366E-07
	A	5.0	0.03	4827.	0.	0.	776.2	1000.0	776.2	8.202E-08	8.197E-08	8.197E-08
	B	1.0	0.28	4827.	0.	0.	583.7	611.6	583.7	8.916E-07	8.905E-07	8.905E-07
	B	1.5	0.46	4827.	0.	0.	583.7	611.6	583.7	5.944E-07	5.937E-07	5.937E-07
	B	2.0	0.22	4827.	0.	0.	583.7	611.6	583.7	4.458E-07	4.453E-07	4.453E-07
	B	3.0	0.31	4827.	0.	0.	583.7	611.6	583.7	2.972E-07	2.968E-07	2.968E-07
	B	5.0	0.09	4827.	0.	0.	583.7	611.6	583.7	1.783E-07	1.781E-07	1.781E-07
	C	0.8	0.03	4827.	0.	0.	443.3	256.4	443.3	3.734E-06	3.720E-06	3.720E-06
	C	1.0	0.22	4827.	0.	0.	443.3	256.4	443.3	2.801E-06	2.790E-06	2.790E-06
	C	1.5	0.58	4827.	0.	0.	443.3	256.4	443.3	1.867E-06	1.860E-06	1.860E-06
	C	2.0	0.25	4827.	0.	0.	443.3	256.4	443.3	1.400E-06	1.395E-06	1.395E-06
	C	3.0	0.25	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
	C	5.0	0.09	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
	D	0.5	0.31	4827.	0.	0.	312.1	87.3	373.7	1.952E-05	2.301E-05	1.952E-05
	D	0.8	2.61	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
	D	1.0	4.85	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
	D	1.5	6.21	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
	D	2.0	3.81	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
	D	3.0	3.66	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
	D	5.0	0.98	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
	D	7.0	0.15	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
	E	0.5	1.26	4827.	0.	0.	222.0	55.4	309.5	3.710E-05	5.000E-05	3.710E-05
	E	0.8	11.61	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
	E	1.0	11.09	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
	E	1.5	4.73	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
	E	2.0	1.01	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
	E	3.0	0.89	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
	E	5.0	0.15	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
	F	0.5	1.35	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
	F	0.8	11.40	4827.	0.	0.	153.2	34.5	243.9	5.046E-05	7.431E-05	5.046E-05
	F	1.0	10.94	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
	F	1.5	4.58	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
	F	2.0	0.28	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05

```
G        0.5      0.40     4827.     0.        0.      105.7    21.5    210.1    1.413E-04  2.361E-04  1.413E-04
G        0.8      3.69     4827.     0.        0.      105.7    21.5    210.1    9.418E-05  1.574E-04  9.418E-05
G        1.0      6.73     4827.     0.        0.      105.7    21.5    210.1    7.063E-05  1.181E-04  7.063E-05
G        1.5      3.13     4827.     0.        0.      105.7    21.5    210.1    4.709E-05  7.871E-05  4.709E-05
G        2.0      0.09     4827.     0.        0.      105.7    21.5    210.0    3.532E-05  5.903E-05  3.532E-05
:OMP'1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME:  COMPARISON CASE 2                   METEOROLOGICAL INSTRUMENTATION
:RIOI DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
' RE: TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S:  COMMENTS:  NONE
1: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'UIA'OLOW POPULATION ZONE CALCULATIONS:
:CTOI0   W SECTOR      BOUNDARY DISTANCE = 4827.0 METERS
, PLIOLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
INCT AS A FUNCTION OF DOWNWIND DISTANCE.
: CRI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
IG W. BUILDING WAKE CREDIT ALLOWED:   C=  0.5     A=  2685.     D=   60.0
.RE IOBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NUI THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD I THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
3E-0   1.413E-04   9.418E-05   7.569E-05   7.063E-05   5.046E-05   4.709E-05   3.785E-05   3.710E-05   3.532E-05   2.523E-05
0.3!     0.399       4.086       5.438      12.166      23.564      26.697      37.634      38.894      38.986      43.564
029(   0.02988     0.30569     0.40682     0.91018     1.76289     1.99733     2.81557     2.90981     2.91671     3.25917
3E-0   2.473E-05   1.952E-05   1.892E-05   1.855E-05   1.301E-05   1.237E-05   9.761E-06   9.275E-06   7.202E-06   6.507E-06
5.1'    55.177      55.484      55.760      66.851      69.462      74.194      79.048      80.061      80.952      87.158
127!     4.12798     4.15096     4.17165     5.00138     5.19675     5.55070     5.91386     5.98970     6.05636     6.52064
7E-0   4.977E-06   4.880E-06   3.720E-06   3.515E-06   2.790E-06   2.282E-06   1.860E-06   1.644E-06   1.395E-06   9.301E-07
7.3!    87.312      91.121      91.152      94.808      95.023      96.006      96.590      96.743      96.989      97.235
532!     6.53213     6.81714     6.81944     7.09295     7.10904     7.18259     7.22626     7.23775     7.25614     7.27452
5E-0   8.905E-07   5.937E-07   5.581E-07   4.453E-07   4.099E-07   2.968E-07   2.732E-07   2.049E-07   1.781E-07   1.366E-07
7.5!    97.512      97.972      98.065      98.280      98.402      98.710      99.508      99.754      99.846      99.969
295!     7.29521     7.32969     7.33658     7.35267     7.36186     7.38485     7.44461     7.46300     7.46989     7.47908
7E-0   8.197E-08
0.0(    100.000
481!     7.48138
·  )0          X/Q PERCENTILES
ON 1 (BASED ON THE UPPER ENVELOPE OF THE
 X/( ORDERED X/Q-FREQUENCY VALUES, AND AS
 ON PLOTTED ON A LOG-NORMAL GRAPH.)
T OI0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
CHI/      CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
IC I SEC/CUBIC METER  THE TOTAL TIME     INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.761
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.995
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.907
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   4.125
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   4.998
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   5.910
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(10)=   5.986
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(11)=   6.517
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(12)=   6.813
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(13)=   7.089

(  XQ  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
       5  1     -8.86484 -10.87947  -0.58686
       5  2     -9.27031 -11.34560  -0.75685
       5  3     -9.55799 -12.66001  -1.31336
```

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        5  4      -9.89429 -12.74533  -1.35388
        5  5      -9.96346 -13.02401  -1.48951
        5  6      10.20193 -15.05702   2.56254
        5  7     -10.60739 -16.07676  -3.14981
        5  8     -10.89507 -23.66652   7.76343
        5  9     -11.53715  23.98407  -7.96668
        5 10     -11.58822 -24.35818  -8.20712
        5 11     -11.94262 -30.91491 -12.54134
        5 12     -12.23028 -35.90083 -15.88795
        5 13     -12.55846      NUMXQ(K)= 13
115E     1.215E-04              0.075              1.000
987E     9.987E-05              0.224              3.000
952E     8.952E-05              0.374              5.000
458E     7.458E-05              0.748             10.000
370E     6.370E-05              1.122             15.000
501E     5.501E-05              1.496             20.000
884E     4.884E-05              1.870             25.000
380E     4.380E-05              2.244             30.000
972E     3.972E-05              2.618             35.000
594E     3.594E-05              2.993             40.000
142E     3.142E-05              3.367             45.000
780E     2.780E-05              3.741             50.000
483E     2.483E-05              4.115             55.000
.84E     2.184E-05              4.489             60.000
936E     1.936E-05              4.863             65.000
558E     1.558E-05              5.237             70.000
.97E     1.197E-05              5.611             75.000
303E     9.303E-06              5.985             80.000
230E     7.230E-06              6.359             85.000
289E     5.289E-06              6.733             90.000
308E 0   8.308E-05              0.5                6.68
 AVE 0ANNUAL AVERAGE =    7.32E-07
     0K=  5      FIVEXQ(K)= 8.308E-05      FIVEPR(K)= 6.683
COMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME:  COMPARISON CASE 2                   METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA                     WIND SENSORS HEIGHT:  10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL  no ter            DELTA-T HEIGHTS:
 OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
CS:  COMMENTS:  NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE WNW SECTOR.
TY  STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
3      CLASS   METER/SEC  PERCENT   METERS    METERS      METERS      METERS  METERS   METERS        MEANDER   BLDG WAKE        USED
  A          AT  10.0 METERS                                                                                  CA=1342.SQ.METERS

        A          0.8       0.05     4827.       0.          0.       776.2  1000.0    776.2      5.468E-07  5.465E-07  5.465E-07
        A          1.0       0.36     4827.       0.          0.       776.2  1000.0    776.2      4.101E-07  4.099E-07  4.099E-07
        A          1.5       0.61     4827.       0.          0.       776.2  1000.0    776.2      2.734E-07  2.732E-07  2.732E-07
        A          2.0       0.36     4827.       0.          0.       776.2  1000.0    776.2      2.050E-07  2.049E-07  2.049E-07
        A          3.0       0.41     4827.       0.          0.       776.2  1000.0    776.2      1.367E-07  1.366E-07  1.366E-07
        A          5.0       0.31     4827.       0.          0.       776.2  1000.0    776.2      8.202E-08  8.197E-08  8.197E-08

        B          1.0       0.20     4827.       0.          0.       583.7   611.6    583.7      8.916E-07  8.905E-07  8.905E-07
        B          1.5       0.56     4827.       0.          0.       583.7   611.6    583.7      5.944E-07  5.937E-07  5.937E-07
        B          2.0       0.71     4827.       0.          0.       583.7   611.6    583.7      4.458E-07  4.453E-07  4.453E-07
        B          3.0       0.25     4827.       0.          0.       583.7   611.6    583.7      2.972E-07  2.968E-07  2.968E-07
        B          5.0       0.25     4827.       0.          0.       583.7   611.6    583.7      1.783E-07  1.781E-07  1.781E-07
```

C	0.8	0.05	4827.	0.	0.	443.3	256.4	443.3	3.734E-06	3.720E-06	3.720E-06
C	1.0	0.31	4827.	0.	0.	443.3	256.4	443.3	2.801E-06	2.790E-06	2.790E-06
C	1.5	0.76	4827.	0.	0.	443.3	256.4	443.3	1.867E-06	1.860E-06	1.860E-06
C	2.0	0.81	4827.	0.	0.	443.3	256.4	443.3	1.400E-06	1.395E-06	1.395E-06
C	3.0	0.51	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
C	5.0	0.15	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
D	0.5	0.76	4827.	0.	0.	312.1	87.3	373.7	1.952E-05	2.301E-05	1.952E-05
D	0.8	3.41	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
D	1.0	7.32	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
D	1.5	7.32	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	5.95	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	7.42	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	2.95	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	0.36	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
D	10.0	0.15	4827.	0.	0.	312.1	87.3	312.1	1.169E-06	1.151E-06	1.151E-06
D	13.0	0.05	4827.	0.	0.	312.1	87.3	312.1	8.989E-07	8.850E-07	8.850E-07
E	0.5	2.29	4827.	0.	0.	222.0	55.4	309.5	3.710E-05	5.000E-05	3.710E-05
E	0.8	13.47	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	10.52	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	5.03	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	1.53	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	1.22	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	0.41	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
E	7.0	0.25	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06
F	0.5	1.17	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
F	0.8	8.13	4827.	0.	0.	153.2	34.5	243.9	5.046E-05	7.431E-05	5.046E-05
F	1.0	6.20	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
F	1.5	0.76	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
G	0.5	0.20	4827.	0.	0.	105.7	21.5	210.1	1.413E-04	2.361E-04	1.413E-04
G	0.8	3.20	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E-04	9.418E-05
G	1.0	2.80	4827.	0.	0.	105.7	21.5	210.1	7.063E-05	1.181E-04	7.063E-05
G	1.5	0.46	4827.	0.	0.	105.7	21.5	210.1	4.709E-05	7.871E-05	4.709E-05

:OMPILUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

/AME/PLANT NAME: COMPARISON CASE 2
:RIO: DATA PERIOD: 5 YEARS OF DATA
' RE TYPE OF RELEASE: GROUND-LEVEL no ter
OF : SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S: COMMENTS: NONE

METEOROLOGICAL INSTRUMENTATION
WIND SENSORS HEIGHT: 10.0 METER
DELTA-T HEIGHTS:

I: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ULA'OLOW POPULATION ZONE CALCULATIONS:
:CTO:0 WNW SECTOR BOUNDARY DISTANCE = 4827.0 METERS
, PL'OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
INCT AS A FUNCTION OF DOWNWIND DISTANCE.
: CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
IG W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
ARE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
'RD | THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

.3E-0	1.413E-04	9.418E-05	7.569E-05	7.063E-05	5.046E-05	4.709E-05	3.785E-05	3.710E-05	2.523E-05	2.473E-05
0.2	0.203	3.406	4.575	7.372	15.506	15.963	22.166	24.453	25.216	38.688
009	0.00919	0.15399	0.20686	0.33327	0.70102	0.72171	1.00211	1.10554	1.14002	1.74910
52E-0	1.952E-05	1.855E-05	1.301E-05	1.237E-05	9.761E-06	9.275E-06	7.202E-06	6.507E-06	4.977E-06	4.880E-06
19.4	39.451	49.975	53.381	58.414	65.735	67.260	68.480	75.801	76.207	82.156
783	1.78358	2.25935	2.41335	2.64089	2.97187	3.04082	3.09598	3.42696	3.44534	3.71426

0E-0	3.720E-06	3.571E-06	3.515E-06	2.790E-06	2.282E-06	1.860E-06	1.644E-06	1.395E-06	1.151E-06	9.301E-07
2.2(	82.206	82.461	89.883	90.188	93.137	93.899	94.255	95.069	95.221	95.730
716!	3.71656	3.72805	4.06362	4.07741	4.21072	4.24520	4.26128	4.29806	4.30496	4.32794
5E-0	8.905E-07	8.850E-07	5.937E-07	5.581E-07	5.465E-07	4.453E-07	4.099E-07	2.968E-07	2.732E-07	2.049E-07
5.9:	95.933	95.984	96.543	96.695	96.746	97.458	97.814	98.068	98.678	99.034
337:	4.33713	4.33943	4.36471	4.37161	4.37391	4.40609	4.42218	4.43367	4.46125	4.47734
1E-0	1.781E-07	1.366E-07	8.197E-08							
9.2(	99.288	99.695	100.000							
488!	4.48883	4.50722	4.52101							

X0 X/Q PERCENTILES
ON ! (BASED ON THE UPPER ENVELOPE OF THE
X/(ORDERED X/Q-FREQUENCY VALUES, AND AS
ON PLOTTED ON A LOG-NORMAL GRAPH.)
T 0!0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
CHI, CHI/Q WITH RESPECT TO WHEN THE WIND BLOWS
IC ! SEC/CUBIC METER THE TOTAL TIME INTO THIS SECTOR ONLY

```
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.333
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   0.700
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.104
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.747
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.257
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   3.038
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   3.424
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(10)=   3.711
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(11)=   4.060
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(12)=   4.207
```

X0	K	I	XQSAVE(K,I)	XQINT(K,I)	XQSLOP(K,I)
	6	1	-8.86484	-10.80834	-0.51961
	6	2	-9.27031	-12.72509	-1.16717
	6	3	-9.55799	-13.11804	-1.31198
	6	4	-9.89429	-14.38666	1.82827
	6	5	-10.20193	-15.36103	-2.25397
	6	6	-10.60739	-16.34939	-2.72261
	6	7	-10.89507	-21.73531	-5.41107
	6	8	-11.58822	-24.03518	-6.63751
	6	9	-11.94262	-26.26130	-7.85940
	6	10	-12.23028	-26.34353	-7.90547
	6	11	-12.55846	-57.87989	-25.99095
	6	12	-12.99031	NUMXQ(K)= 12	

35E-	1.135E-04	0.045	1.000
10E-	9.610E-05	0.136	3.000
84E-	8.184E-05	0.226	5.000
74E-	6.174E-05	0.452	10.000
26E-	5.126E-05	0.678	15.000
58E-	4.258E-05	0.904	20.000
40E-	3.640E-05	1.130	25.000
06E-	3.106E-05	1.356	30.000
08E-	2.708E-05	1.582	35.000
84E-	2.384E-05	1.808	40.000
90E-	2.090E-05	2.034	45.000
53E-	1.853E-05	2.261	50.000
89E-	1.489E-05	2.487	55.000
16E-	1.216E-05	2.713	60.000
06E-	1.006E-05	2.939	65.000
46E-	8.246E-06	3.165	70.000
17E-	6.717E-06	3.391	75.000
69E-	5.369E-06	3.617	80.000
13E-	4.313E-06	3.843	85.000

```
.60E      3.460E-06              4.069              90.000
199E0     5.899E-05              0.5                11.06
AVE.0ANNUAL AVERAGE =    3.70E-07
   .0K=  6      FIVEXQ(K)= 5.899E-05      FIVEPR(K)=11.059
COMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS<
OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
S:  COMMENTS:  NONE
1: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE  NW SECTOR.
TY  STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
;    CLASS   METER/SEC  PERCENT   METERS    METERS     METERS      METERS  METERS   METERS      MEANDER   BLDG WAKE      USED
  A          AT  10.0 METERS                                                                              CA=1342.SQ.METERS

      A        1.0       0.09     4827.      0.         0.        776.2   1000.0   776.2     4.101E-07  4.099E-07  4.099E-07
      A        1.5       0.28     4827.      0.         0.        776.2   1000.0   776.2     2.734E-07  2.732E-07  2.732E-07
      A        2.0       0.66     4827.      0.         0.        776.2   1000.0   776.2     2.050E-07  2.049E-07  2.049E-07
      A        3.0       1.56     4827.      0.         0.        776.2   1000.0   776.2     1.367E-07  1.366E-07  1.366E-07
      A        5.0       0.94     4827.      0.         0.        776.2   1000.0   776.2     8.202E-08  8.197E-08  8.197E-08

      B        1.0       0.09     4827.      0.         0.        583.7    611.6   583.7     8.916E-07  8.905E-07  8.905E-07
      B        1.5       0.47     4827.      0.         0.        583.7    611.6   583.7     5.944E-07  5.937E-07  5.937E-07
      B        2.0       0.52     4827.      0.         0.        583.7    611.6   583.7     4.458E-07  4.453E-07  4.453E-07
      B        3.0       0.75     4827.      0.         0.        583.7    611.6   583.7     2.972E-07  2.968E-07  2.968E-07
      B        5.0       0.52     4827.      0.         0.        583.7    611.6   583.7     1.783E-07  1.781E-07  1.781E-07

      C        0.5       0.05     4827.      0.         0.        443.3    256.4   443.3     5.601E-06  5.581E-06  5.581E-06
      C        1.0       0.33     4827.      0.         0.        443.3    256.4   443.3     2.801E-06  2.790E-06  2.790E-06
      C        1.5       0.42     4827.      0.         0.        443.3    256.4   443.3     1.867E-06  1.860E-06  1.860E-06
      C        2.0       0.80     4827.      0.         0.        443.3    256.4   443.3     1.400E-06  1.395E-06  1.395E-06
      C        3.0       0.61     4827.      0.         0.        443.3    256.4   443.3     9.336E-07  9.301E-07  9.301E-07
      C        5.0       0.52     4827.      0.         0.        443.3    256.4   443.3     5.601E-07  5.581E-07  5.581E-07

      D        0.5       0.33     4827.      0.         0.        312.1     87.3   373.7     1.952E-05  2.301E-05  1.952E-05
      D        0.8       2.50     4827.      0.         0.        312.1     87.3   373.7     1.301E-05  1.534E-05  1.301E-05
      D        1.0       5.19     4827.      0.         0.        312.1     87.3   373.7     9.761E-06  1.151E-05  9.761E-06
      D        1.5      10.33     4827.      0.         0.        312.1     87.3   373.7     6.507E-06  7.670E-06  6.507E-06
      D        2.0       7.97     4827.      0.         0.        312.1     87.3   373.7     4.880E-06  5.753E-06  4.880E-06
      D        3.0       9.43     4827.      0.         0.        312.1     87.3   345.9     3.515E-06  3.835E-06  3.515E-06
      D        5.0       5.71     4827.      0.         0.        312.1     87.3   319.6     2.282E-06  2.301E-06  2.282E-06
      D        7.0       0.66     4827.      0.         0.        312.1     87.3   312.1     1.669E-06  1.644E-06  1.644E-06
      D       10.0       0.05     4827.      0.         0.        312.1     87.3   312.1     1.169E-06  1.151E-06  1.151E-06

      E        0.5       1.75     4827.      0.         0.        222.0     55.4   309.5     3.710E-05  5.000E-05  3.710E-05
      E        0.8       9.48     4827.      0.         0.        222.0     55.4   309.5     2.473E-05  3.333E-05  2.473E-05
      E        1.0      10.80     4827.      0.         0.        222.0     55.4   309.5     1.855E-05  2.500E-05  1.855E-05
      E        1.5       7.17     4827.      0.         0.        222.0     55.4   309.5     1.237E-05  1.667E-05  1.237E-05
      E        2.0       2.26     4827.      0.         0.        222.0     55.4   309.5     9.275E-06  1.250E-05  9.275E-06
      E        3.0       2.36     4827.      0.         0.        222.0     55.4   265.7     7.202E-06  8.333E-06  7.202E-06
      E        5.0       1.08     4827.      0.         0.        222.0     55.4   230.7     4.977E-06  5.000E-06  4.977E-06
      E        7.0       0.47     4827.      0.         0.        222.0     55.4   222.0     3.695E-06  3.571E-06  3.571E-06
      E       10.0       0.19     4827.      0.         0.        222.0     55.4   222.0     2.587E-06  2.500E-06  2.500E-06

      F        0.5       0.66     4827.      0.         0.        153.2     34.5   243.9     7.569E-05  1.115E-04  7.569E-05
      F        0.8       3.87     4827.      0.         0.        153.2     34.5   243.9     5.046E-05  7.431E-05  5.046E-05
      F        1.0       3.87     4827.      0.         0.        153.2     34.5   243.9     3.785E-05  5.574E-05  3.785E-05
```

F	1.5	1.18	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	0.09	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
G	0.5	0.14	4827.	0.	0.	105.7	21.5	210.1	1.413E-04	2.361E-04	1.413E-04
G	0.8	1.46	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E-04	9.418E-05
G	1.0	1.65	4827.	0.	0.	105.7	21.5	210.1	7.063E-05	1.181E-04	7.063E-05
G	1.5	0.57	4827.	0.	0.	105.7	21.5	210.1	4.709E-05	7.871E-05	4.709E-05
G	2.0	0.09	4827.	0.	0.	105.7	21.5	210.0	3.532E-05	5.903E-05	3.532E-05
G	3.0	0.05	4827.	0.	0.	105.7	21.5	149.5	3.308E-05	3.936E-05	3.308E-05

OMPUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME:/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RTOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: P/ PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ULA:OLOW POPULATION ZONE CALCULATIONS:
CTOI0 NW SECTOR BOUNDARY DISTANCE = 4827.0 METERS
PLIOLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
NCT AS A FUNCTION OF DOWNWIND DISTANCE.
CRI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
G W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
RE IOBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD I THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

3E-0	1.413E-04	9.418E-05	7.569E-05	7.063E-05	5.046E-05	4.709E-05	3.785E-05	3.710E-05	3.532E-05	3.308E-05
0.1	0.142	1.604	2.264	3.915	7.783	8.349	12.217	13.962	14.057	14.104
006	0.00690	0.07815	0.11032	0.19077	0.37924	0.40682	0.59529	0.68033	0.68493	0.68723
3E-0	2.523E-05	2.473E-05	1.952E-05	1.892E-05	1.855E-05	1.301E-05	1.237E-05	9.761E-06	9.275E-06	7.202E-06
5.2	15.283	24.764	25.094	25.189	35.991	38.491	45.660	50.849	53.113	55.472
744	0.74469	1.20667	1.22276	1.22736	1.75370	1.87552	2.22488	2.47771	2.58803	2.70295
7E-0	6.507E-06	5.581E-06	4.977E-06	4.880E-06	3.571E-06	3.515E-06	2.790E-06	2.500E-06	2.282E-06	1.860E-06
5.8	65.802	65.849	66.934	74.906	75.377	84.811	85.142	85.330	91.038	91.462
206	3.20631	3.20861	3.26147	3.64990	3.67289	4.13257	4.14866	4.15786	4.43597	4.45665
4E-0	1.644E-06	1.395E-06	1.151E-06	9.301E-07	8.905E-07	5.937E-07	5.581E-07	4.453E-07	4.099E-07	2.968E-07
2.1	92.123	92.925	92.972	93.585	93.679	94.151	94.670	95.189	95.283	96.038
488	4.48883	4.52790	4.53020	4.56008	4.56468	4.58766	4.61294	4.63823	4.64282	4.67960
2E-0	2.732E-07	2.049E-07	1.781E-07	1.366E-07	8.197E-08					
6.3	96.321	96.981	97.500	99.057	100.000					
693	4.69339	4.72557	4.75085	4.82670	4.87267					

0 X/Q PERCENTILES
ON (BASED ON THE UPPER ENVELOPE OF THE
X/ ORDERED X/Q-FREQUENCY VALUES, AND AS
ON PLOTTED ON A LOG-NORMAL GRAPH.)
T 0.0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

CHI	CHI/Q	WITH RESPECT TO	WHEN THE WIND BLOWS
TC	SEC/CUBIC METER	THE TOTAL TIME	INTO THIS SECTOR ONLY

HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(3)= 0.191
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(4)= 0.379
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(5)= 0.680
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(6)= 1.205
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(7)= 1.752
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(8)= 3.203
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(9)= 3.647
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(10)= 4.129

X0	K	I	XQSAVE(K,I)	XQINT(K,I)	XQSLOP(K,I)
	7	1	8.86484	-11.24651	-0.62478

```
        7  2      -9.27031 -12.64506  -1.06694
        7  3      -9.55799 -13.92196  -1.50826
        7  4      -9.89429 -13.95119  -1.51921
        7  5     -10.20193 -14.91161   1.90837
        7  6     -10.60739 -15.00655  -1.95047
        7  7     -10.89507 -19.51298  -4.08830
        7  8     -11.94262 -21.05251  -4.91970
        7  9     -12.23028 -22.49143   5.72212
        7 10     -12.55846     NUMXQ(K)= 10
025E      1.025E-04              0.049              1.000
714E      7.714E-05              0.146              3.000
282E      6.282E-05              0.244              5.000
433E      4.433E-05              0.487             10.000
532E      3.532E-05              0.731             15.000
887E      2.887E-05              0.975             20.000
456E      2.456E-05              1.218             25.000
138E      2.138E-05              1.462             30.000
896E      1.896E-05              1.705             35.000
555E      1.555E-05              1.949             40.000
273E      1.273E-05              2.193             45.000
061E      1.061E-05              2.436             50.000
979E      8.979E-06              2.680             55.000
690E      7.690E-06              2.924             60.000
654E      6.654E-06              3.167             65.000
677E      5.677E-06              3.411             70.000
864E      4.864E-06              3.655             75.000
105E      4.105E-06              3.898             80.000
374E 0    4.374E-05              0.5               10.26
 AVE 0ANNUAL AVERAGE =    3.05E-07
    0K=  7      FIVEXQ(K)= 4.374E-05      FIVEPR(K)=10.261
COMP 1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME:  COMPARISON CASE 2                   METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA                     WIND SENSORS HEIGHT:  10.0 METER
F RE TYPE OF RELEASE: GROUND-LEVEL  no tor            DELTA-T HEIGHTS:
 OF  SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS:  COMMENTS:  NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
FER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE NNW SECTOR.
ITY  STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
S      CLASS   METER/SEC  PERCENT   METERS    METERS      METERS      METERS  METERS   METERS        MEANDER   BLDG WAKE        USED
  A            AT  10.0 METERS                                                                                  CA=1342.SQ.METERS

        A         1.0       0.11     4827.      0.          0.        776.2  1000.0    776.2      4.101E-07  4.099E-07  4.099E-07
        A         1.5       0.32     4827.      0.          0.        776.2  1000.0    776.2      2.734E-07  2.732E-07  2.732E-07
        A         2.0       1.02     4827.      0.          0.        776.2  1000.0    776.2      2.050E-07  2.049E-07  2.049E-07
        A         3.0       1.94     4827.      0.          0.        776.2  1000.0    776.2      1.367E-07  1.366E-07  1.366E-07
        A         5.0       0.75     4827.      0.          0.        776.2  1000.0    776.2      8.202E-08  8.197E-08  8.197E-08
        A         7.0       0.05     4827.      0.          0.        776.2  1000.0    776.2      5.858E-08  5.855E-08  5.855E-08

        B         1.5       0.22     4827.      0.          0.        583.7   611.6    583.7      5.944E-07  5.937E-07  5.937E-07
        B         2.0       0.59     4827.      0.          0.        583.7   611.6    583.7      4.458E-07  4.453E-07  4.453E-07
        B         3.0       0.59     4827.      0.          0.        583.7   611.6    583.7      2.972E-07  2.968E-07  2.968E-07
        B         5.0       0.32     4827.      0.          0.        583.7   611.6    583.7      1.783E-07  1.781E-07  1.781E-07

        C         0.8       0.05     4827.      0.          0.        443.3   256.4    443.3      3.734E-06  3.720E-06  3.720E-06
        C         1.0       0.22     4827.      0.          0.        443.3   256.4    443.3      2.801E-06  2.790E-06  2.790E-06
        C         1.5       0.65     4827.      0.          0.        443.3   256.4    443.3      1.867E-06  1.860E-06  1.860E-06
        C         2.0       0.97     4827.      0.          0.        443.3   256.4    443.3      1.400E-06  1.395E-06  1.395E-06
```

C	3.0	1.13	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
C	5.0	0.65	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
D	0.5	0.54	4827.	0.	0.	312.1	87.3	373.7	1.952E-05	2.301E-05	1.952E-05
D	0.8	2.05	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
D	1.0	3.99	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
D	1.5	8.78	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	8.51	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	9.64	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	4.80	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	0.48	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
D	10.0	0.05	4827.	0.	0.	312.1	87.3	312.1	1.169E-06	1.151E-06	1.151E-06
E	0.5	1.02	4827.	0.	0.	222.0	55.4	309.5	3.710E-05	5.000E-05	3.710E-05
E	0.8	5.87	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	9.86	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	11.48	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	5.12	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	3.39	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	2.16	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
E	7.0	0.32	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06
F	0.5	0.43	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
F	0.8	1.72	4827.	0.	0.	153.2	34.5	243.9	5.046E-05	7.431E-05	5.046E-05
F	1.0	4.20	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
F	1.5	2.64	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	0.32	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
F	3.0	0.05	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E-05
G	0.8	0.75	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E-04	9.418E-05
G	1.0	1.24	4827.	0.	0.	105.7	21.5	210.1	7.063E-05	1.181E-04	7.063E-05
G	1.5	0.81	4827.	0.	0.	105.7	21.5	210.1	4.709E-05	7.871E-05	4.709E-05
G	2.0	0.16	4827.	0.	0.	105.7	21.5	210.0	3.532E-05	5.903E-05	3.532E-05

OMPUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ULATOLOW POPULATION ZONE CALCULATIONS:
CTOIO NNW SECTOR BOUNDARY DISTANCE = 4827.0 METERS
PLIOLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
NCT AS A FUNCTION OF DOWNWIND DISTANCE.
CRI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
G W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
RE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
NUI THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD I THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

8E-0	9.418E-05	7.569E-05	7.063E-05	5.046E-05	4.709E-05	3.785E-05	3.710E-05	3.532E-05	2.523E-05	2.473E-05
0.7	0.754	1.185	2.425	4.149	4.957	9.159	10.183	10.345	12.985	18.858
032	0.03218	0.05057	0.10343	0.17698	0.21146	0.39073	0.43440	0.44130	0.55392	0.80445
2E-0	1.952E-05	1.892E-05	1.855E-05	1.574E-05	1.301E-05	1.237E-05	9.761E-06	9.275E-06	7.202E-06	6.507E-06
9.3	19.397	19.720	29.580	29.634	31.681	43.157	47.144	52.263	55.657	64.440
827	0.82743	0.84122	1.26184	1.26414	1.35148	1.84104	2.01112	2.22947	2.37428	2.74892
7E-0	4.977E-06	4.880E-06	3.720E-06	3.571E-06	3.515E-06	2.790E-06	2.282E-06	1.860E-06	1.644E-06	1.395E-06
6.5	66.595	75.108	75.162	75.485	85.129	85.345	90.140	90.787	91.272	92.241
840	2.84086	3.20401	3.20631	3.22010	3.63152	3.64071	3.84527	3.87285	3.89354	3.93491

```
0E-0   1.151E-06   9.301E-07   5.937E-07   5.581E-07   4.453E-07   4.099E-07   2.968E-07   2.732E-07   2.049E-07   1.781E-07
.29      92.295      93.427      93.642      94.289      94.881      94.989      95.582      95.905      96.929      97.252
372     3.93721     3.98547     3.99467     4.02225     4.04753     4.05213     4.07741     4.09120     4.13487     4.14866
GE-0   1.366E-07   8.197E-08   5.855E-08
.19      99.192      99.946     100.000
314     4.23140     4.26358     4.26588
(  X)          X/Q PERCENTILES
ON T (BASED ON THE UPPER ENVELOPE OF THE
 X/Q ORDERED X/Q FREQUENCY VALUES, AND AS
 ON PLOTTED ON A LOG-NORMAL GRAPH.)
(T OM PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
CHI/        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
IC M SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.434
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.260
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.839
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.227
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.746
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   3.201
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   3.628

( XQ  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
      8  1      -9.27031 -12.22519  -0.86583
      8  2      -9.55799 -13.90802  -1.41212
      8  3     -10.20193 -14.91126  -1.79438
      8  4     -10.89507  16.94456  -2.70283
      8  5     -11.30054 -18.88133  -3.63032
      8  6     -11.58822 -19.54572  -3.96104
      8  7     -11.94262 -20.13050  -4.26570
      8  8     -12.23028 -22.99024  -5.80980
      8  9     -12.55846     NUMXQ(K)=  9
06E-     8.806E-05          0.043          1.000
53E-     6.453E-05          0.128          3.000
60E-     5.160E-05          0.213          5.000
42E-     3.742E-05          0.427         10.000
13E-     2.913E-05          0.640         15.000
17E-     2.417E-05          0.853         20.000
82E-     2.082E-05          1.066         25.000
28E-     1.828E-05          1.280         30.000
53E-     1.553E-05          1.493         35.000
44E-     1.344E-05          1.706         40.000
62E-     1.162E-05          1.920         45.000
20E-     9.920E-06          2.133         50.000
17E-     8.517E-06          2.346         55.000
52E-     7.352E-06          2.560         60.000
03E-     6.403E-06          2.773         65.000
76E-     5.576E-06          2.986         70.000
94E-     4.894E-06          3.199         75.000
40E-     4.140E-06          3.413         80.000
29E-     3.529E-06          3.626         85.000
02E-0    3.402E-05          0.5           11.72
AVERGANNUAL AVERAGE =   2.32E-07
   IOK=  8     FIVEXQ(K)= 3.402E-05     FIVEPR(K)=11.721
COMPILUSNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME:  COMPARISON CASE 2                   METEOROLOGICAL INSTRUMENTATION
RIOD DATA PERIOD: 5 YEARS OF DATA                     WIND SENSORS HEIGHT:  10.0 METER
 RE TYPE OF RELEASE: GROUND-LEVEL  no ter             DELTA-T HEIGHTS:
OF : SOURCE OF DATA: S:\PAVAN\JFT.DOC
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EC-ENVR-1057
Page 529

S: COMMENTS: NONE
: PA PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER VOPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE N SECTOR.

TY ▼ STABILITY CLASS	WINDSPEED METER/SEC AT 10.0 METERS	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE CA=1342.SQ.METERS	USED
A	1.0	0.07	4827.	0.	0.	776.2	1000.0	776.2	4.101E-07	4.099E-07	4.099E-07
A	1.5	0.37	4827.	0.	0.	776.2	1000.0	776.2	2.734E-07	2.732E-07	2.732E-07
A	2.0	1.04	4827.	0.	0.	776.2	1000.0	776.2	2.050E-07	2.049E-07	2.049E-07
A	3.0	2.30	4827.	0.	0.	776.2	1000.0	776.2	1.367E-07	1.366E-07	1.366E-07
A	5.0	2.34	4827.	0.	0.	776.2	1000.0	776.2	8.202E-08	8.197E-08	8.197E-08
A	7.0	0.04	4827.	0.	0.	776.2	1000.0	776.2	5.858E-08	5.855E-08	5.855E-08
B	1.0	0.07	4827.	0.	0.	583.7	611.6	583.7	8.916E-07	8.905E-07	8.905E-07
B	1.5	0.41	4827.	0.	0.	583.7	611.6	583.7	5.944E-07	5.937E-07	5.937E-07
B	2.0	0.52	4827.	0.	0.	583.7	611.6	583.7	4.458E-07	4.453E-07	4.453E-07
B	3.0	1.41	4827.	0.	0.	583.7	611.6	583.7	2.972E-07	2.968E-07	2.968E-07
B	5.0	0.78	4827.	0.	0.	583.7	611.6	583.7	1.783E-07	1.781E-07	1.781E-07
C	1.0	0.15	4827.	0.	0.	443.3	256.4	443.3	2.801E-06	2.790E-06	2.790E-06
C	1.5	0.97	4827.	0.	0.	443.3	256.4	443.3	1.867E-06	1.860E-06	1.860E-06
C	2.0	1.04	4827.	0.	0.	443.3	256.4	443.3	1.400E-06	1.395E-06	1.395E-06
C	3.0	1.86	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
C	5.0	1.04	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
D	0.5	0.11	4827.	0.	0.	312.1	87.3	373.7	1.952E-05	2.301E-05	1.952E-05
D	0.8	0.97	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
D	1.0	3.12	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
D	1.5	7.81	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	7.58	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	9.55	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	3.94	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	0.26	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
E	0.5	0.37	4827.	0.	0.	222.0	55.4	309.5	3.710E-05	5.000E-05	3.710E-05
E	0.8	2.79	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	8.03	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	15.35	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	7.17	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	5.61	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	1.82	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
E	7.0	0.67	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06
F	0.5	0.07	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
F	0.8	1.08	4827.	0.	0.	153.2	34.5	243.9	5.046E-05	7.431E-05	5.046E-05
F	1.0	2.90	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
F	1.5	4.50	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	0.52	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
F	3.0	0.04	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E-05
F	5.0	0.04	4827.	0.	0.	153.2	34.5	161.0	1.146E-05	1.115E-05	1.115E-05
G	0.8	0.19	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E-04	9.418E-05
G	1.0	0.45	4827.	0.	0.	105.7	21.5	210.1	7.063E-05	1.181E-04	7.063E-05
G	1.5	0.63	4827.	0.	0.	105.7	21.5	210.1	4.709E-05	7.871E-05	4.709E-05

COMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERTO DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER

EC-ENVR-1057
Page 530

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 REI TYPE OF RELEASE: GROUND-LEVEL  no tor            DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S:   COMMENTS:  NONE
: PA PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ULATDLOW POPULATION ZONE CALCULATIONS:
CTOD    N SECTOR      BOUNDARY DISTANCE = 4827.0 METERS
( PLOLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
NCTI AS A FUNCTION OF DOWNWIND DISTANCE.
 CRE MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
G WA BUILDING WAKE CREDIT ALLOWED:   C=  0.5     A=  2685.     D=   60.0
RE EBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 NUM THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD N THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
8E-0   9.418E-05   7.569E-05   7.063E-05   5.046E-05   4.709E-05   3.785E-05   3.710E-05   2.523E-05   2.473E-05   1.952E-05
0.1E      0.186       0.260       0.706       1.784       2.416       5.316       5.688      10.186      12.974      13.086
0114    0.01149     0.01609     0.04367     0.11032     0.14940     0.32868     0.35166     0.62977     0.80215     0.80905
2E-0   1.892E-05   1.855E-05   1.574E-05   1.301E-05   1.237E-05   1.115E-05   9.761E-06   9.275E-06   7.202E-06   6.507E-06
3.6(      13.606      21.636      21.673      22.639      37.993      38.030      41.152      48.327      53.941      61.747
841:     0.84122     1.33769     1.33998     1.39974     2.34899     2.35129     2.54436     2.98796     3.33502     3.81769
7E-0   4.977E-06   4.880E-06   3.571E-06   3.515E-06   2.790E-06   2.282E-06   1.860E-06   1.644E-06   1.395E-06   9.301E-07
3.5(      63.569      71.152      71.822      81.375      81.524      85.465      86.431      86.691      87.732      89.591
930:     3.93031     4.39919     4.44056     5.03126     5.04045     5.28408     5.34384     5.35993     5.42429     5.53921
5E-0   8.905E-07   5.937E-07   5.581E-07   4.453E-07   4.099E-07   2.968E-07   2.732E-07   2.049E-07   1.781E-07   1.366E-07
9.6(      89.665      90.074      91.115      91.636      91.710      93.123      93.494      94.535      95.316      97.621
543(     5.54381     5.56909     5.63345     5.66562     5.67022     5.75756     5.78055     5.84490     5.89317     6.03567
7E-0   8.197E-08   5.855E-08
9.9(      99.963     100.000
180/     6.18047     6.18277
 X0          X/Q PERCENTILES
ON T (BASED ON THE UPPER ENVELOPE OF THE
 X/( ORDERED X/Q-FREQUENCY VALUES, AND AS
 ON PLOTTED ON A LOG-NORMAL GRAPH.)
T O0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
CHI/      CHI/Q       WITH RESPECT TO      WHEN THE WIND BLOWS
TC N SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.351
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   0.801
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.336
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.347
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.985
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   3.814
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   4.396
                                                HANDCHECK GRAPH:  SLOPE LT  1.0 FOR LOW PERCENTAGES.  XSAVE(10)=   5.028

  X(0  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
       9  1      -9.27031  -12.25385  -0.80990
       9  2      -9.55799  -12.94421  -1.01730
       9  3     -10.20193  -14.00645  -1.41135
       9  4     -10.60739  -14.20042  -1.49189
       9  5     -10.89507  -14.82440  -1.77353
       9  6     -11.30054  -16.80042  -2.76805
       9  7      11.58822  -17.63586  -3.21173
       9  8     -11.94262  -19.65313  -4.34973
       9  9     -12.23028  -20.93726  -5.10222
       9 10     -12.55846     NUMXQ(K)= 10
93E-     6.393E-05              0.062              1.000
77E-     4.577E-05              0.185              3.000
74E-     3.874E-05              0.309              5.000
22E-     2.822E-05              0.618             10.000
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EC-ENVR-1057
Page 531

84E-	2.284E-05	0.927	15.000
41E-	1.941E-05	1.237	20.000
77E	1.677E-05	1.546	25.000
72E-	1.472E-05	1.855	30.000
15E	1.315E 05	2.164	35.000
64E-	1.164E-05	2.473	40.000
11E-	1.011E-05	2.782	45.000
37E-	8.837E-06	3.091	50.000
07E-	7.707E-06	3.401	55.000
88E-	6.788E-06	3.710	60.000
69E-	5.869E-06	4.019	65.000
47E-	5.047E-06	4.328	70.000
95E-	4.295E-06	4.637	75.000
66E-	3.666E-06	4.946	80.000
34E-0	3.134E-05	0.5	8.09

AVEOANNUAL AVERAGE = 2.77E-07

IDK= 9 FIVEXQ(K)= 3.134E-05 FIVEPR(K)= 8.087

OMPUUSNRC COMPUTER CODE PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION

RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER

REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:

OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC

'S: COMMENTS: NONE

: PI PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145

ER VPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE NNE SECTOR.

TY I STABILITY CLASS	WINDSPEED METER/SEC AT 10.0 METERS	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE CA=1342.SQ.METERS	USED
A	1.5	0.39	4827.	0.	0.	776.2	1000.0	776.2	2.734E-07	2.732E-07	2.732E-07
A	2.0	1.24	4827.	0.	0.	776.2	1000.0	776.2	2.050E-07	2.049E-07	2.049E-07
A	3.0	3.42	4827.	0.	0.	776.2	1000.0	776.2	1.367E-07	1.366E-07	1.366E-07
A	5.0	2.87	4827.	0.	0.	776.2	1000.0	776.2	8.202E-08	8.197E-08	8.197E-08
A	7.0	0.13	4827.	0.	0.	776.2	1000.0	776.2	5.858E-08	5.855E-08	5.855E-08
B	1.0	0.03	4827.	0.	0.	583.7	611.6	583.7	8.916E-07	8.905E-07	8.905E-07
B	1.5	0.36	4827.	0.	0.	583.7	611.6	583.7	5.944E-07	5.937E-07	5.937E-07
B	2.0	1.27	4827.	0.	0.	583.7	611.6	583.7	4.458E-07	4.453E-07	4.453E-07
B	3.0	1.79	4827.	0.	0.	583.7	611.6	583.7	2.972E-07	2.968E-07	2.968E-07
B	5.0	0.91	4827.	0.	0.	583.7	611.6	583.7	1.783E-07	1.781E-07	1.781E-07
B	7.0	0.10	4827.	0.	0.	583.7	611.6	583.7	1.274E-07	1.272E-07	1.272E-07
C	1.0	0.03	4827.	0.	0.	443.3	256.4	443.3	2.801E-06	2.790E-06	2.790E-06
C	1.5	0.78	4827.	0.	0.	443.3	256.4	443.3	1.867E-06	1.860E-06	1.860E-06
C	2.0	1.14	4827.	0.	0.	443.3	256.4	443.3	1.400E-06	1.395E-06	1.395E-06
C	3.0	2.48	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
C	5.0	0.55	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
C	7.0	0.07	4827.	0.	0.	443.3	256.4	443.3	4.001E-07	3.986E-07	3.986E-07
D	0.8	0.49	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
D	1.0	1.76	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
D	1.5	7.18	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	7.89	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	12.00	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	4.53	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	0.07	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
E	0.5	0.10	4827.	0.	0.	222.0	55.4	309.5	3.710E-05	5.000E-05	3.710E-05

EC-ENVR-1057
Page 532

E	0.8	1.37	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	4.11	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	12.95	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	10.89	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	10.08	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	2.74	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
E	7.0	0.13	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06
F	0.5	0.03	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
F	0.8	0.52	4827.	0.	0.	153.2	34.5	243.9	5.046E-05	7.431E-05	5.046E-05
F	1.0	0.78	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
F	1.5	2.64	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	1.21	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
F	3.0	0.13	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E-05
F	5.0	0.03	4827.	0.	0.	153.2	34.5	161.0	1.146E-05	1.115E-05	1.115E-05
G	0.5	0.03	4827.	0.	0.	105.7	21.5	210.1	1.413E-04	2.361E-04	1.413E-04
G	0.8	0.07	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E-04	9.418E-05
G	1.0	0.26	4827.	0.	0.	105.7	21.5	210.1	7.063E-05	1.181E-04	7.063E-05
G	1.5	0.23	4827.	0.	0.	105.7	21.5	210.1	4.709E-05	7.871E-05	4.709E-05
G	2.0	0.16	4827.	0.	0.	105.7	21.5	210.0	3.532E-05	5.903E-05	3.532E-05
G	3.0	0.03	4827.	0.	0.	105.7	21.5	149.5	3.308E-05	3.936E-05	3.308E-05

OMPUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ULATOLOW POPULATION ZONE CALCULATIONS:
CTOR NNE SECTOR BOUNDARY DISTANCE = 4827.0 METERS
PLUOLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
NCT AS A FUNCTION OF DOWNWIND DISTANCE.
CRI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
G W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
RE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

.3E-0	1.413E-04	9.418E 05	7.569E-05	7.063E-05	5.046E-05	4.709E 05	3.785E-05	3.710E-05	3.532E-05	3.308E-05
0.0	0.033	0.098	0.130	0.391	0.913	1.142	1.924	2.022	2.185	2.218
.002	0.00230	0.00690	0.00919	0.02758	0.06436	0.08044	0.13561	0.14250	0.15399	0.15629
3E-0	2.523E-05	2.473E-05	1.892E-05	1.855E-05	1.574E-05	1.301E-05	1.237E 05	1.115E-05	9.761E-06	9.275E-06
4.8	4.860	6.230	7.436	11.546	11.676	12.166	25.114	25.147	26.908	37.802
.342	0.34247	0.43900	0.52404	0.81364	0.82284	0.85731	1.76979	1.77209	1.89620	2.66388
2E-0	7.202E-06	6.507E-06	4.977E-06	4.880E-06	3.571E-06	3.515E-06	2.790E-06	2.282E-06	1.860E-06	1.644E-06
17.8	47.880	55.055	57.795	65.688	65.819	77.821	77.854	82.387	83.170	83.235
.374	3.37409	3.87975	4.07281	4.62903	4.63823	5.48405	5.48635	5.80583	5.86099	5.86559
5E-0	1.395E-06	9.301E-07	8.905E-07	5.937E-07	5.581E-07	4.453E-07	3.986E-07	2.968E-07	2.732E-07	2.049E-07
34.3	84.377	86.856	86.888	87.247	87.802	89.074	89.139	90.933	91.324	92.564
.946	5.94603	6.12071	6.12301	6.14829	6.18737	6.27701	6.28160	6.40802	6.43560	6.52294
31E-0	1.781E-07	1.366E-07	1.272E-07	8.197E-08	5.855E-08					
93.4	93.477	96.901	96.999	99.870	100.000					
.587	6.58729	6.82863	6.83552	7.03779	7.04698					

0 X/Q PERCENTILES
ON (BASED ON THE UPPER ENVELOPE OF THE
X/ ORDERED X/Q-FREQUENCY VALUES, AND AS
ON PLOTTED ON A LOG-NORMAL GRAPH.)
NT C0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

EC-ENVR-1057
Page 533

CHI/ CHI/Q WITH RESPECT TO WHEN THE WIND BLOWS
TC M SEC/CUBIC METER THE TOTAL TIME INTO THIS SECTOR ONLY

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HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=  0.028
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=  0.438
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=  0.813
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=  1.768
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=  2.661
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=  3.876
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=  4.625
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=  5.480
```

XQ	K	I	XQSAVE(K,T)	XQINT(K,T)	XQSLOP(K,T)
	10	1	8.86484	-13.41572	-1.11671
	10	2	-9.55799	-13.90667	-1.25883
	10	3	-10.60739	-14.07025	-1.32125
	10	4	-10.89507	-14.15476	-1.35641
	10	5	-11.30054	-14.83748	-1.68086
	10	6	-11.58822	-15.66891	-2.11096
	10	7	-11.94262	-18.06797	-3.47005
	10	8	-12.23028	-18.93543	-3.98568
	10	9	-12.55846	NUMXQ(K)= 9	

82E-	5.082E-05	0.070	1.000
46E-	3.346E-05	0.211	3.000
15E-	2.715E-05	0.352	5.000
87E-	1.987E-05	0.705	10.000
26E-	1.626E-05	1.057	15.000
99E-	1.399E-05	1.409	20.000
40E-	1.240E-05	1.762	25.000
94E-	1.094E-05	2.114	30.000
05E-	9.805E-06	2.466	35.000
06E-	8.806E-06	2.819	40.000
92E-	7.892E-06	3.171	45.000
.42E-	7.142E-06	3.523	50.000
13E-	6.513E-06	3.876	55.000
63E-	5.663E-06	4.228	60.000
66E-	4.966E-06	4.581	65.000
21E	4.321E-06	4.933	70.000
79E	3.779E-06	5.285	75.000
32E-0	2.332E-05	0.5	7.10

AVEOANNUAL AVERAGE = 2.47E-07
OK= 10 FIVEXQ(K)= 2.332E-05 FIVEPR(K)= 7.095

COMP1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

NAME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
ERIO DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
? RE TYPE OF RELEASE: GROUND-LEVEL no tor DELTA-T HEIGHTS:
OF SOURCE OF DATA: S:\PAVAN\JFT.DOC
TS: COMMENTS: NONE
4: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
TER OPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE NE SECTOR.

TY	STABILITY CLASS	WINDSPEED METER/SEC	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE CA-1342.SQ.METERS	USED
3	A	AT 10.0 METERS										
	A	1.0	0.02	4827.	0.	0.	776.2	1000.0	776.2	4.101E-07	4.099E-07	4.099E-07
	A	1.5	0.22	4827.	0.	0.	776.2	1000.0	776.2	2.734E-07	2.732E-07	2.732E-07
	A	2.0	0.84	4827.	0.	0.	776.2	1000.0	776.2	2.050E-07	2.049E-07	2.049E-07
	A	3.0	3.90	4827.	0.	0.	776.2	1000.0	776.2	1.367E-07	1.366E-07	1.366E-07
	A	5.0	5.76	4827.	0.	0.	776.2	1000.0	776.2	8.202E-08	8.197E-08	8.197E-08

A	7.0	0.62	4827.	0.	0.	776.2	1000.0	776.2	5.858E-08	5.855E-08	5.855E-08
A	10.0	0.02	4827.	0.	0.	776.2	1000.0	776.2	4.101E-08	4.099E-08	4.099E-08
B	1.5	0.09	4827.	0.	0.	583.7	611.6	583.7	5.944E-07	5.937E-07	5.937E-07
B	2.0	0.79	4827.	0.	0.	583.7	611.6	583.7	4.458E-07	4.453E-07	4.453E-07
B	3.0	2.32	4827.	0.	0.	583.7	611.6	583.7	2.972E-07	2.968E-07	2.968E-07
B	5.0	3.86	4827.	0.	0.	583.7	611.6	583.7	1.783E 07	1.781E-07	1.781E-07
B	7.0	0.68	4827.	0.	0.	583.7	611.6	583.7	1.274E-07	1.272E-07	1.272E-07
B	10.0	0.09	4827.	0.	0.	583.7	611.6	583.7	8.916E-08	8.905E-08	8.905E-08
C	1.0	0.02	4827.	0.	0.	443.3	256.4	443.3	2.801E-06	2.790E-06	2.790E-06
C	1.5	0.40	4827.	0.	0.	443.3	256.4	443.3	1.867E-06	1.860E 06	1.860E-06
C	2.0	0.95	4827.	0.	0.	443.3	256.4	443.3	1.400E-06	1.395E-06	1.395E-06
C	3.0	3.22	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
C	5.0	4.10	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
C	7.0	0.82	4827.	0.	0.	443.3	256.4	443.3	4.001E-07	3.986E-07	3.986E-07
C	10.0	0.02	4827.	0.	0.	443.3	256.4	443.3	2.801E-07	2.790E-07	2.790E-07
D	0.5	0.02	4827.	0.	0.	312.1	87.3	373.7	1.952E-05	2.301E-05	1.952E-05
D	0.8	0.18	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
D	1.0	0.64	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
D	1.5	4.26	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	5.34	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	13.10	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	19.06	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	3.75	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
D	10.0	0.15	4827.	0.	0.	312.1	87.3	312.1	1.169E-06	1.151E-06	1.151E-06
E	0.5	0.04	4827.	0.	0.	222.0	55.4	309.5	3.710E-05	5.000E-05	3.710E-05
E	0.8	0.31	4827.	0.	0.	222.0	55.4	309.5	2.473E 05	3.333E-05	2.473E-05
E	1.0	0.86	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E 05	1.855E-05
E	1.5	4.15	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	4.61	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	7.57	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	4.63	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
E	7.0	0.22	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06
E	10.0	0.02	4827.	0.	0.	222.0	55.4	222.0	2.587E-06	2.500E 06	2.500E-06
F	0.5	0.02	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
F	0.8	0.09	4827.	0.	0.	153.2	34.5	243.9	5.046E-05	7.431E-05	5.046E-05
F	1.0	0.33	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
F	1.5	0.84	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	0.46	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
F	3.0	0.42	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E-05
F	5.0	0.04	4827.	0.	0.	153.2	34.5	161.0	1.146E-05	1.115E-05	1.115E-05
G	0.8	0.04	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E 04	9.418E-05
G	1.0	0.07	4827.	0.	0.	105.7	21.5	210.1	7.063E-05	1.181E 04	7.063E-05
G	1.5	0.02	4827.	0.	0.	105.7	21.5	210.1	4.709E-05	7.871E-05	4.709E-05
G	3.0	0.02	4827.	0.	0.	105.7	21.5	149.5	3.308E-05	3.936E-05	3.308E-05

DMPUUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2
RIOD DATA PERIOD: 5 YEARS OF DATA
REI TYPE OF RELEASE: GROUND-LEVEL no tor
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: PA PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ULATDLOW POPULATION ZONE CALCULATIONS:

METEOROLOGICAL INSTRUMENTATION
WIND SENSORS HEIGHT: 10.0 METER
DELTA T HEIGHTS:

EC-ENVR-1057
Page 535

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CTOID  NE SECTOR      BOUNDARY DISTANCE = 4827.0 METERS
 PLUDLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
NCT AS A FUNCTION OF DOWNWIND DISTANCE.
 CRI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
G W/ BUILDING WAKE CREDIT ALLOWED:   C= 0.5     A= 2685.     D= 60.0
RE BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 NUI THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD I THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
8E-0   9.418E-05   7.569E-05   7.063E-05   5.046E-05   4.709E-05   3.785E-05   3.710E-05   3.308E-05   2.523E-05   2.473E-05
0.0        0.044       0.066       0.132       0.221       0.243       0.573       0.618       0.640       1.478       1.787
004        0.00460     0.00690     0.01379     0.02298     0.02528     0.05976     0.06436     0.06665     0.15399     0.18617
2E-0   1.952E-05   1.892E-05   1.855E-05   1.574E-05   1.301E-05   1.237E-05   1.115E-05   9.761E-06   9.275E-06   7.202E-06
1.8        1.809       2.272       3.132       3.551       3.727       7.874       7.918       8.558      13.167      20.732
188        0.18847     0.23674     0.32638     0.37005     0.38843     0.82054     0.82514     0.89179     1.37216     2.16052
7E-0   6.507E-06   4.977E-06   4.880E-06   3.571E-06   3.515E-06   2.790E-06   2.500E-06   2.282E-06   1.860E-06   1.644E-06
4.9       24.989      29.621      34.958      35.179      48.280      48.302      48.324      67.380      67.777      71.526
604        2.60412     3.08679     3.64301     3.66599     5.03126     5.03356     5.03586     7.02170     7.06307     7.45380
5E-0   1.395E-06   1.151E-06   9.301E-07   5.937E-07   5.581E-07   4.453E-07   4.099E-07   3.986E-07   2.968E-07   2.790E-07
2.4       72.475      72.629      75.849      75.937      80.040      80.834      80.856      81.672      83.988      84.010
552        7.55263     7.56872     7.90429     7.91349     8.34099     8.42374     8.42604     8.51108     8.75241     8.75471
2E-0   2.732E-07   2.049E-07   1.781E-07   1.366E-07   1.272E-07   8.905E-08   8.197E-08   5.855E-08   4.099E-08
4.2       84.230      85.068      88.928      92.832      93.516      93.604      99.360      99.978     100.000
777        8.77770     8.86504     9.26726     9.67408     9.74533     9.75453    10.35442    10.41877    10.42107
   :0          X/Q PERCENTILES
ON ' (BASED ON THE UPPER ENVELOPE OF THE
 X/( ORDERED X/Q-FREQUENCY VALUES, AND AS
 ON PLOTTED ON A LOG-NORMAL GRAPH.)
T 0.0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
CHI.        CHI/Q        WITH RESPECT TO      WHEN THE WIND BLOWS
IC I SEC/CUBIC METER   THE TOTAL TIME       INTO THIS SECTOR ONLY
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HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=   0.014
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.186
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   0.820
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.602
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   3.640
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   5.028
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   7.018
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X0	K	I	XQSAVE(K,I)	XQ1NT(K,1)	XQSLOP(K,I)
	11	1	9.27031	-13.37897	-1.05054
	11	2	-9.55799	-14.74303	-1.42558
	11	3	-10.60739	-14.62148	-1.38368
	11	4	-11.30054	-14.67114	-1.40437
	11	5	-11.94262	-15.69931	-1.93357
	11	6	-12.23028	-16.10594	-2.16022
	11	7	-12.55846	-16.78668	-2.57475
	11	8	-12.99031	NUMXQ(K)=	8

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.84E      3.184E-05          0.104          1.000
165E      1.965E-05          0.313          3.000
547E      1.547E-05          0.521          5.000
192E      1.092E-05          1.042         10.000
755E      8.755E-06          1.563         15.000
128E      7.428E-06          2.084         20.000
505E      6.505E-06          2.605         25.000
175E      5.575E-06          3.126         30.000
875E      4.875E-06          3.647         35.000
166E      4.266E-06          4.168         40.000
782E      3.782E-06          4.689         45.000
164E      3.364E-06          5.211         50.000
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80E-     2.980E-06              5.732              55.000
62E-     2.662E-06              6.253              60.000
95E-     2.395E-06              6.774              65.000
78E0     1.578E 05              0.5                 4.80
AVEIOANNUAL AVERAGE =    2.03E 07
   IOK= 11      FIVEXQ(K)= 1.578E-05      FIVEPR(K)= 4.798
:OMPIUSNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

(AME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
:RIOI DATA PERIOD: 5 YEARS OF DATA                   WIND SENSORS HEIGHT:  10.0 METER
' REI TYPE OF RELEASE: GROUND-LEVEL  no ter          DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S:  COMMENTS:  NONE
I: P, PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
TER 'OPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE ENE SECTOR.
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:TY I STABILITY CLASS	WINDSPEED METER/SEC	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	SIGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE CA=1342.SQ.METERS	USED
A'	AT 10.0 METERS										
A	1.5	0.15	4827.	0.	0.	776.2	1000.0	776.2	2.734E-07	2.732E-07	2.732E-07
A	2.0	0.27	4827.	0.	0.	776.2	1000.0	776.2	2.050E-07	2.049E-07	2.049E-07
A	3.0	1.11	4827.	0.	0.	776.2	1000.0	776.2	1.367E-07	1.366E-07	1.366E-07
A	5.0	4.78	4827.	0.	0.	776.2	1000.0	776.2	8.202E-08	8.197E-08	8.197E-08
A	7.0	1.34	4827.	0.	0.	776.2	1000.0	776.2	5.858E-08	5.855E-08	5.855E-08
A	10.0	0.08	4827.	0.	0.	776.2	1000.0	776.2	4.101E-08	4.099E-08	4.099E-08
B	1.0	0.04	4827.	0.	0.	583.7	611.6	583.7	8.916E-07	8.905E-07	8.905E-07
B	1.5	0.04	4827.	0.	0.	583.7	611.6	583.7	5.944E-07	5.937E-07	5.937E-07
B	2.0	0.27	4827.	0.	0.	583.7	611.6	583.7	4.458E-07	4.453E-07	4.453E-07
B	3.0	0.88	4827.	0.	0.	583.7	611.6	583.7	2.972E-07	2.968E-07	2.968E-07
B	5.0	3.83	4827.	0.	0.	583.7	611.6	583.7	1.783E-07	1.781E-07	1.781E-07
B	7.0	1.64	4827.	0.	0.	583.7	611.6	583.7	1.274E-07	1.272E-07	1.272E-07
B	10.0	0.08	4827.	0.	0.	583.7	611.6	583.7	8.916E-08	8.905E-08	8.905E-08
C	1.0	0.04	4827.	0.	0.	443.3	256.4	443.3	2.801E-06	2.790E-06	2.790E-06
C	1.5	0.11	4827.	0.	0.	443.3	256.4	443.3	1.867E-06	1.860E-06	1.860E-06
C	2.0	0.42	4827.	0.	0.	443.3	256.4	443.3	1.400E-06	1.395E-06	1.395E-06
C	3.0	1.45	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
C	5.0	5.32	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
C	7.0	2.33	4827.	0.	0.	443.3	256.4	443.3	4.001E-07	3.986E-07	3.986E-07
C	10.0	0.27	4827.	0.	0.	443.3	256.4	443.3	2.801E-07	2.790E-07	2.790E-07
D	0.8	0.11	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
D	1.0	0.57	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
D	1.5	3.33	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	5.05	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	9.72	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	23.99	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	16.26	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
D	10.0	3.44	4827.	0.	0.	312.1	87.3	312.1	1.169E-06	1.151E-06	1.151E-06
D	13.0	0.04	4827.	0.	0.	312.1	87.3	312.1	8.989E-07	8.850E-07	8.850E-07
E	0.8	0.15	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	0.46	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	2.45	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	3.06	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	3.18	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	2.33	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
E	7.0	0.54	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06

E	10.0	0.11	4827.	0.	0.	222.0	55.4	222.0	2.587E-06	2.500E-06	2.500E-06
F	1.0	0.19	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
F	1.5	0.23	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	0.15	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
F	3.0	0.11	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E-05
F	5.0	0.04	4827.	0.	0.	153.2	34.5	161.0	1.146E-05	1.115E-05	1.115E-05
G	0.8	0.04	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E-04	9.418E-05

OMPUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: P/ PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ULA'OLOW POPULATION ZONE CALCULATIONS:
CTOID ENE SECTOR BOUNDARY DISTANCE - 4827.0 METERS
, PLUDLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
NCT. AS A FUNCTION OF DOWNWIND DISTANCE.
: CRI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
IG W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
.RE :OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NUI THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
:RD I THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

8E-0	9.418E-05	3.785E-05	2.523E-05	2.473E-05	1.892E-05	1.855E-05	1.574E-05	1.301E-05	1.237E-05	1.115E-05
0.0	0.038	0.230	0.459	0.612	0.765	1.224	1.339	1.454	3.902	3.940
002	0.00230	0.01379	0.02758	0.03677	0.04597	0.07355	0.08044	0.08734	0.23444	0.23674
1E-0	9.761E-06	9.275E-06	7.202E-06	6.507E-06	4.977E-06	4.880E-06	3.571E-06	3.515E-06	2.790E-06	2.500E-06
4.5	4.514	7.575	10.750	14.078	16.412	21.461	21.997	31.714	31.752	31.867
271	0.27121	0.45509	0.64586	0.84582	0.98603	1.28942	1.32160	1.90540	1.90770	1.91459
2E-0	2.282E-06	1.860E-06	1.644E-06	1.395E-06	1.151E-06	9.301E-07	8.905E-07	8.850E-07	5.937E-07	5.581E-07
5.8	55.853	55.968	72.226	72.647	76.090	77.544	77.582	77.621	77.659	82.976
355	3.35570	3.36260	4.33943	4.36471	4.57157	4.65891	4.66121	4.66351	4.66581	4.98529
3E-0	4.453E-07	3.986E-07	2.968E-07	2.790E-07	2.732E-07	2.049E-07	1.781E-07	1.366E-07	1.272E-07	8.905E-08
3.2	83.244	85.578	86.458	86.725	86.878	87.146	90.972	92.081	93.726	93.803
001	5.00138	5.14158	5.19445	5.21054	5.21973	5.23582	5.46566	5.53232	5.63115	5.63575
7E-0	8.197E-08	5.855E-08	4.099E-08							
8.5	98.585	99.923	100.000							
923	5.92305	6.00349	6.00809							

0 X/Q PERCENTILES
ON ' (BASED ON THE UPPER ENVELOPE OF THE
) X/ ORDERED X/Q-FREQUENCY VALUES, AND AS
) ON PLOTTED ON A LOG-NORMAL GRAPH.)
T 0.0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

CHI	CHI/Q	WITH RESPECT TO	WHEN THE WIND BLOWS
HC	SEC/CUBIC METER	THE TOTAL TIME	INTO THIS SECTOR ONLY

HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(2)= 0.234
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(3)= 0.455
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(4)= 0.845
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(5)= 1.288
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(6)= 3.353
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(7)= 4.336
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(8)= 4.568

X0	K	I	XQSAVE(K,I)	XQINT(K,I)	XQSLOP(K,I)
	12	1	-9.27031	-15.90406	-1.62782
	12	2	-11.30054	-15.00840	-1.31111

```
     12  3      -11.58822 -15.79694  -1.61340
     12  4      -11.94262 -16.26135  -1.80779
     12  5      -12.23028 -16.48296  -1.90718
     12  6      -12.99031 -18.06994  -2.77376
     12  7      -13.31859 -38.05480  14.44057
     12  8      -13.67526      NUMXQ(K)=  8
13E-     2.413E-05              0.060              1.000
16E-     1.416E-05              0.180              3.000
13E-     1.113E-05              0.300              5.000
37E-     7.937E-06              0.601             10.000
38E-     6.238E-06              0.901             15.000
27E-     5.127E-06              1.202             20.000
54E-     4.354E-06              1.502             25.000
87E-     3.787E-06              1.802             30.000
56E-     3.356E-06              2.103             35.000
15E      3.015E-06              2.403             40.000
38E-     2.738E-06              2.704             45.000
07E-     2.507E-06              3.004             50.000
13E-     2.313E-06              3.304             55.000
86E-     2.086E-06              3.605             60.000
84E-     1.884E-06              3.905             65.000
12E-     1.712E-06              4.206             70.000
70E-     1.270E-06              4.506             75.000
03E-     8.803E-06              0.5                8.32
AVEDANNUAL AVERAGE =   8.89E-08
(   DK= 12      FIVEXQ(K)= 8.803E-06      FIVEPR(K)= 8.322
OMPUUSNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA                   WIND SENSORS HEIGHT:  10.0 METER
 REI TYPE OF RELEASE: GROUND-LEVEL  no ter          DELTA T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S:  COMMENTS:  NONE
: P/ PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER OPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE    E SECTOR.
TY \ STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
 I   CLASS   METER/SEC  PERCENT   METERS    METERS      METERS      METERS  METERS   METERS        MEANDER   BLDG WAKE        USED
 A'          AT  10.0 METERS                                                                                  CA=1342.SQ.METERS

      A        1.5       0.08     4827.      0.          0.        776.2   1000.0    776.2      2.734E-07  2.732E-07  2.732E-07
      A        2.0       0.16     4827.      0.          0.        776.2   1000.0    776.2      2.050E-07  2.049E-07  2.049E-07
      A        3.0       0.31     4827.      0.          0.        776.2   1000.0    776.2      1.367E-07  1.366E-07  1.366E-07
      A        5.0       3.75     4827.      0.          0.        776.2   1000.0    776.2      8.202E-08  8.197E-08  8.197E-08
      A        7.0       0.39     4827.      0.          0.        776.2   1000.0    776.2      5.858E-08  5.855E-08  5.855E-08

      B        2.0       0.08     4827.      0.          0.        583.7    611.6    583.7      4.458E-07  4.453E-07  4.453E-07
      B        3.0       0.62     4827.      0.          0.        583.7    611.6    583.7      2.972E-07  2.968E-07  2.968E-07
      B        5.0       2.65     4827.      0.          0.        583.7    611.6    583.7      1.783E-07  1.781E-07  1.781E-07
      B        7.0       0.31     4827.      0.          0.        583.7    611.6    583.7      1.274E-07  1.272E-07  1.272E-07

      C        1.5       0.62     4827.      0.          0.        443.3    256.4    443.3      1.867E-06  1.860E-06  1.860E-06
      C        2.0       0.55     4827.      0.          0.        443.3    256.4    443.3      1.400E-06  1.395E-06  1.395E-06
      C        3.0       0.55     4827.      0.          0.        443.3    256.4    443.3      9.336E-07  9.301E-07  9.301E-07
      C        5.0       3.98     4827.      0.          0.        443.3    256.4    443.3      5.601E-07  5.581E-07  5.581E-07
      C        7.0       1.64     4827.      0.          0.        443.3    256.4    443.3      4.001E-07  3.986E-07  3.986E-07
      C       10.0       0.08     4827.      0.          0.        443.3    256.4    443.3      2.801E-07  2.790E-07  2.790E-07

      D        0.8       0.08     4827.      0.          0.        312.1     87.3    373.7      1.301E-05  1.534E-05  1.301E-05
      D        1.0       0.47     4827.      0.          0.        312.1     87.3    373.7      9.761E-06  1.151E-05  9.761E-06
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D	1.5	2.97	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	6.25	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	15.30	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	30.91	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	13.43	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
D	10.0	2.73	4827.	0.	0.	312.1	87.3	312.1	1.169E-06	1.151E-06	1.151E-06
E	0.5	0.16	4827.	0.	0.	222.0	55.4	309.5	3.710E-05	5.000E-05	3.710E-05
E	0.8	0.08	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	0.70	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	2.81	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	2.58	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	2.89	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	1.48	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
E	7.0	0.31	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06
F	0.5	0.16	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
F	0.8	0.16	4827.	0.	0.	153.2	34.5	243.9	5.046E-05	7.431E-05	5.046E-05
F	1.0	0.23	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
F	1.5	0.39	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	3.0	0.08	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E-05
G	3.0	0.08	4827.	0.	0.	105.7	21.5	149.5	3.308E-05	3.936E-05	3.308E-05

OMPLUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REL TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: P/ PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ULATLOW POPULATION ZONE CALCULATIONS:
CTOR E SECTOR BOUNDARY DISTANCE = 4827.0 METERS
PLULATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
NCTI AS A FUNCTION OF DOWNWIND DISTANCE.
CRI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
G W/ BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
RE BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

9E-0	7.569E-05	5.046E-05	3.785E-05	3.710E-05	3.308E-05	2.523E-05	2.473E-05	1.855E-05	1.574E-05	1.301E-05
0.15	0.156	0.312	0.546	0.703	0.781	1.171	1.249	1.952	2.030	2.108
004	0.00460	0.00919	0.01609	0.02069	0.02298	0.03448	0.03677	0.05746	0.05976	0.06206
7E-0	1.237E-05	9.761E-06	9.275E-06	7.202E-06	6.507E-06	4.977E-06	4.880E-06	3.571E-06	3.515E-06	2.282E-06
4.91	4.918	5.386	7.963	10.851	13.817	15.301	21.546	21.858	37.158	68.072
144	0.14480	0.15859	0.23444	0.31948	0.40682	0.45049	0.63437	0.64356	1.09405	2.00423
0E-0	1.860E-06	1.644E-06	1.395E-06	1.151E-06	9.301E-07	5.581E-07	4.453E-07	3.986E-07	2.968E-07	2.790E-07
8.69	68.696	82.123	82.670	85.402	85.948	89.930	90.008	91.647	92.272	92.350
022	2.02262	2.41795	2.43403	2.51448	2.53057	2.64779	2.65009	2.69835	2.71674	2.71904
2E-0	2.732E-07	2.049E-07	1.781E-07	1.366E-07	1.272E-07	8.197E-08	5.855E-08			
2.42	92.428	92.584	95.238	95.550	95.863	99.610	100.000			
721	2.72134	2.72593	2.80408	2.81328	2.82247	2.93279	2.94429			

X/Q PERCENTILES
ON T (BASED ON THE UPPER ENVELOPE OF THE
X/(ORDERED X/Q-FREQUENCY VALUES, AND AS
ON PLOTTED ON A LOG-NORMAL GRAPH.)
T O PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

CHI/	CHI/Q	WITH RESPECT TO	WHEN THE WIND BLOWS
IC	SEC/CUBIC METER	THE TOTAL TIME	INTO THIS SECTOR ONLY

EC-ENVR-1057
Page 540

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HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=   0.021
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.234
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   2.002
HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.415

( XQ  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
     13  1      -9.48883 -16.83481  -1.87829
     13  2     -10.20193 -17.16254  -1.97110
     13  3     -11.58822 -16.70643  -1.80982
     13  4     -12.99031 -21.55721  -4.17223
     13  5     -13.31859     NUMXQ(K)=  5
80E-     3.080E-05              0.029              1.000
73E-     1.673E-05              0.088              3.000
36E-     1.236E-05              0.147              5.000
16E-     8.116E-06              0.294             10.000
52E-     6.352E-06              0.442             15.000
03E-     5.303E-06              0.589             20.000
92E-     4.592E-06              0.736             25.000
70E-     4.070E-06              0.883             30.000
68E-     3.668E-06              1.031             35.000
46E-     3.346E-06              1.178             40.000
82E-     3.082E-06              1.325             45.000
60E-     2.860E-06              1.472             50.000
70E-     2.670E-06              1.619             55.000
06E-     2.506E-06              1.767             60.000
62E      2.362E 06              1.914             65.000
75E-     2.175E-06              2.061             70.000
29E-     1.929E-06              2.208             75.000
22E-     1.722E-06              2.355             80.000
80E-0    5.880E-06              0.5               16.98
AVEIOANNUAL AVERAGE =   5.06E-08
   IOK= 13     FIVEXQ(K)= 5.880E-06     FIVEPR(K)=16.982
OMPUIUSNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
' REI TYPE OF RELEASE: GROUND-LEVEL  no ter          DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S:  COMMENTS:  NONE
I: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ER 'OPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE ESE SECTOR.
'TY I STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
;  I   CLASS   METER/SEC  PERCENT   METERS    METERS      METERS      METERS  METERS   METERS        MEANDER   BLDG WAKE        USED
  A'          AT  10.0 METERS                                                                                  CA=1342.SQ.METERS

        A        1.5       0.12     4827.      0.          0.        776.2   1000.0    776.2       2.734E-07  2.732E-07  2.732E-07
        A        2.0       0.23     4827.      0.          0.        776.2   1000.0    776.2       2.050E-07  2.049E-07  2.049E-07
        A        3.0       0.69     4827.      0.          0.        776.2   1000.0    776.2       1.367E-07  1.366E-07  1.366E-07
        A        5.0       1.38     4827.      0.          0.        776.2   1000.0    776.2       8.202E-08  8.197E-08  8.197E-08

        B        2.0       0.12     4827.      0.          0.        583.7    611.6    583.7       4.458E-07  4.453E-07  4.453E-07
        B        3.0       0.12     4827.      0.          0.        583.7    611.6    583.7       2.972E-07  2.968E-07  2.968E-07
        B        5.0       2.08     4827.      0.          0.        583.7    611.6    583.7       1.783E-07  1.781E-07  1.781E-07
        B        7.0       0.12     4827.      0.          0.        583.7    611.6    583.7       1.274E-07  1.272E-07  1.272E-07

        C        2.0       0.23     4827.      0.          0.        443.3    256.4    443.3       1.400E-06  1.395E-06  1.395E-06
        C        3.0       1.61     4827.      0.          0.        443.3    256.4    443.3       9.336E-07  9.301E-07  9.301E-07
        C        5.0       3.58     4827.      0.          0.        443.3    256.4    443.3       5.601E-07  5.581E-07  5.581E-07
        C        7.0       0.12     4827.      0.          0.        443.3    256.4    443.3       4.001E-07  3.986E-07  3.986E-07
```

D	0.8	0.23	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
D	1.0	0.46	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
D	1.5	2.65	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	5.65	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	18.11	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	36.22	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	12.46	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
D	10.0	2.19	4827.	0.	0.	312.1	87.3	312.1	1.169E-06	1.151E-06	1.151E-06
E	0.8	0.23	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	0.81	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	1.85	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	2.65	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	3.92	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	1.50	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
F	0.5	0.12	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
F	1.5	0.23	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	0.23	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
F	3.0	0.12	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E-05

```
OMPULUSNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME:  COMPARISON CASE 2                   METEOROLOGICAL INSTRUMENTATION
RTOI DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
 REL TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S:  COMMENTS:  NONE
: PA PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ULATDLOW POPULATION ZONE CALCULATIONS:
CTOR ESE SECTOR      BOUNDARY DISTANCE = 4827.0 METERS
 PLULATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
NCTI AS A FUNCTION OF DOWNWIND DISTANCE.
 CRI MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
G WI BUILDING WAKE CREDIT ALLOWED:   C= 0.5     A= 2685.     D=  60.0
RE IBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 NUI THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD I THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
9E-0   7.569E-05   2.523E-05   2.473E-05   1.892E-05   1.855E-05   1.574E-05   1.301E-05   1.237E-05   9.761E-06   9.275E-06
0.1:      0.115       0.346       0.577       0.807       1.615       1.730       1.961       3.806       4.268       6.920
002:    0.00230     0.00690     0.01149     0.01609     0.03218     0.03448     0.03907     0.07585     0.08504     0.13791
2E-0   7.202E-06   6.507E-06   4.977E-06   4.880E-06   3.515E-06   2.282E-06   1.644E-06   1.395E-06   1.151E-06   9.301E-07
0.8     10.842      13.495      14.994      20.646      38.754      74.971      87.428      87.659      89.850      91.465
216(    0.21605     0.26892     0.29880     0.41142     0.77227     1.49398     1.74221     1.74681     1.79048     1.82265
1E-0   5.581E-07   4.453E-07   3.986E-07   2.968E-07   2.732E-07   2.049E-07   1.781E-07   1.366E-07   1.272E-07   8.197E-08
5.0     95.040      95.156      95.271      95.386      95.502      95.732      97.809      98.501      98.616     100.000
893:    1.89390     1.89620     1.89850     1.90080     1.90310     1.90770     1.94907     1.96286     1.96516     1.99274
  X0          X/Q PERCENTILES
ON ' (BASED ON THE UPPER ENVELOPE OF THE
 X/( ORDERED X/Q-FREQUENCY VALUES, AND AS
 ON PLOTTED ON A LOG-NORMAL GRAPH.)
T 010 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI.        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
TC I SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=   0.138
                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.269
                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   0.771
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HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(5)= 1.492
HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(6)= 1.740

(XQ	K	I	XQSAVE(K,I)	XQINT(K,I)	XQSLOP(K,I)
	14	1	-9.48883	17.40009	-1.94130
	14	2	-11.58822	-16.64107	1.68777
	14	3	-11.94262	-16.68336	-1.70296
	14	4	-12.55846	-16.74144	-1.72694
	14	5	-12.99031	-24.58127	-5.33623
	14	6	-13.31859	NUMXQ(K)= 6	

84E-	2.684E-05	0.020	1.000
96E	1.496E-05	0.060	3.000
21E-	1.121E-05	0.100	5.000
49E-	7.649E-06	0.199	10.000
36E	6.136E 06	0.299	15.000
14E-	5.214E-06	0.399	20.000
79E-	4.579E-06	0.498	25.000
09E-	4.109E-06	0.598	30.000
42E-	3.742E-06	0.697	35.000
46E-	3.446E-06	0.797	40.000
98E-	3.198E-06	0.897	45.000
88E-	2.988E-06	0.996	50.000
08E	2.808E-06	1.096	55.000
52E-	2.652E-06	1.196	60.000
14E-	2.514E-06	1.295	65.000
91E-	2.391E-06	1.395	70.000
80E-	2.280E-06	1.495	75.000
89E-	1.989E-06	1.594	80.000
47E-	1.747E-06	1.694	85.000
69E-0	4.569E-06	0.5	25.09

AVEDANNUAL AVERAGE = 3.38E-08
(DK= 14 FIVEXQ(K)= 4.569E-06 FIVEPR(K)=25.091
OMPUUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REI TYPE OF RELEASE: GROUND-LEVEL no ter DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: PI PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER DPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE SE SECTOR.

TY ♦ STABILITY CLASS	WINDSPEED METER/SEC	FREQUENCY PERCENT	DISTANCE METERS	TERRAIN HT METERS	EFF PLUME HT METERS	SIGMA-Y METERS	STGMA-Z METERS	MEANDER-SY METERS	** CHI/Q VALUES (SEC/CUBIC METER) MEANDER	BLDG WAKE	USED
AT	AT 10.0 METERS									CA=1342.SQ.METERS	
A	2.0	0.07	4827.	0.	0.	776.2	1000.0	776.2	2.050E-07	2.049E-07	2.049E-07
A	5.0	0.43	4827.	0.	0.	776.2	1000.0	776.2	8.202E-08	8.197E-08	8.197E-08
A	7.0	0.22	4827.	0.	0.	776.2	1000.0	776.2	5.858E-08	5.855E-08	5.855E-08
B	2.0	0.07	4827.	0.	0.	583.7	611.6	583.7	4.458E-07	4.453E-07	4.453E-07
B	3.0	0.36	4827.	0.	0.	583.7	611.6	583.7	2.972E-07	2.968E-07	2.968E-07
B	5.0	0.72	4827.	0.	0.	583.7	611.6	583.7	1.783E-07	1.781E-07	1.781E-07
B	7.0	0.14	4827.	0.	0.	583.7	611.6	583.7	1.274E-07	1.272E-07	1.272E-07
C	1.0	0.07	4827.	0.	0.	443.3	256.4	443.3	2.801E-06	2.790E-06	2.790E-06
C	2.0	0.22	4827.	0.	0.	443.3	256.4	443.3	1.400E-06	1.395E-06	1.395E-06
C	3.0	0.65	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
C	5.0	2.15	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
C	7.0	0.29	4827.	0.	0.	443.3	256.4	443.3	4.001E-07	3.986E-07	3.986E-07

D	0.5	0.07	4827.	0.	0.	312.1	87.3	373.7	1.952E-05	2.301E-05	1.952E-05
D	0.8	0.14	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
D	1.0	0.79	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
D	1.5	2.22	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	3.23	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	16.13	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	45.30	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	12.76	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
D	10.0	0.43	4827.	0.	0.	312.1	87.3	312.1	1.169E-06	1.151E-06	1.151E-06
E	0.5	0.07	4827.	0.	0.	222.0	55.4	309.5	3.710E-05	5.000E-05	3.710E-05
E	0.8	0.14	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	0.29	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	1.36	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	3.01	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	6.24	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	1.72	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
E	7.0	0.14	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06
F	1.0	0.14	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
F	1.5	0.07	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	0.07	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
F	3.0	0.14	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E-05
F	5.0	0.07	4827.	0.	0.	153.2	34.5	161.0	1.146E-05	1.115E-05	1.115E-05
G	0.8	0.07	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E-04	9.418E-05

:OMP1USNRC COMPUTER CODE PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

JAME/PLANT NAME: COMPARISON CASE 2
:RIO DATA PERIOD: 5 YEARS OF DATA
' RE TYPE OF RELEASE: GROUND-LEVEL no ter
OF . SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S: COMMENTS: NONE

METEOROLOGICAL INSTRUMENTATION
WIND SENSORS HEIGHT: 10.0 METER
DELTA T HEIGHTS:

1: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ULA'OLOW POPULATION ZONE CALCULATIONS:
:CTO 0 SE SECTOR BOUNDARY DISTANCE = 4827.0 METERS
, PL OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
JNCT AS A FUNCTION OF DOWNWIND DISTANCE.
: CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
NG W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
ARE 0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
? NU THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
TRD THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

18E-0	9.418E-05	3.785E-05	3.710E-05	2.523E-05	2.473E-05	1.952E-05	1.892E-05	1.855E-05	1.574E-05	1.301E-05
0.0	0.072	0.215	0.287	0.358	0.502	0.573	0.645	0.932	1.075	1.219
.002	0.00230	0.00690	0.00919	0.01149	0.01609	0.01839	0.02069	0.02988	0.03448	0.03907
37E-0	1.237E-05	1.115E-05	9.761E-06	9.275E-06	7.202E-06	6.507E-06	4.977E-06	4.880E-06	3.571E-06	3.515E-06
2.5	2.581	2.652	3.441	6.452	12.688	14.910	16.631	19.857	20.000	36.129
.082	0.08274	0.08504	0.11032	0.20686	0.40682	0.47807	0.53324	0.63666	0.64126	1.15841
90E-0	2.790E-06	2.282E-06	1.644E-06	1.395E-06	1.151E-06	9.301E-07	5.581E-07	4.453E-07	3.986E-07	2.968E-07
36.2	36.201	81.505	94.265	94.480	94.910	95.556	97.706	97.778	98.065	98.423
.160	1.16071	2.61331	3.02243	3.02933	3.04312	3.06380	3.13276	3.13506	3.14425	3.15574
19E-0	2.049E-07	1.781E-07	1.272E-07	8.197E-08	5.855E-08					
98.4	98.495	99.211	99.355	99.785	100.000					
.158	3.15804	3.18102	3.18562	3.19941	3.20631					

0 X/Q PERCENTILES
ON (BASED ON THE UPPER ENVELOPE OF THE
) X/ ORDERED X/Q-FREQUENCY VALUES, AND AS
) ON PLOTTED ON A LOG-NORMAL GRAPH.)

EC-ENVR-1057
Page 544

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T OD PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
CHI/        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
TC M SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=   0.030
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.406
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   2.611
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   3.020

 XQ  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
     15  1     -9.27031 -19.57842  2.52945
     15  2    -10.89507 -15.02647  -1.20347
     15  3    -11.84118 -16.15293  -1.62907
     15  4    -12.99031 -23.03669  -5.17491
     15  5    -13.31859     NUMXQ(K)=  5
13E-    1.813E-05          0.032          1.000
46E-    1.246E-05          0.096          3.000
34E-    1.034E-05          0.160          5.000
25E-    7.925E-06          0.321         10.000
62E-    6.562E-06          0.481         15.000
70E-    5.570E-06          0.641         20.000
86E-    4.886E-06          0.802         25.000
79E-    4.379E-06          0.962         30.000
83E-    3.983E-06          1.122         35.000
64E-    3.664E-06          1.283         40.000
99E-    3.399E-06          1.443         45.000
75E-    3.175E-06          1.603         50.000
83E-    2.983E-06          1.763         55.000
15E-    2.815E-06          1.924         60.000
68E-    2.668E-06          2.084         65.000
36E-    2.536E-06          2.244         70.000
19E-    2.419E-06          2.405         75.000
12E-    2.312E-06          2.565         80.000
78E-    2.078E-06          2.725         85.000
26E-    1.826E-06          2.886         90.000
20E-0   6.420E-06          0.5           15.59
AVEIDANNUAL AVERAGE =   5.39E-08
   10K= 15     FIVEXQ(K)= 6.420E-06     FIVEPR(K)=15.594
:OMPIUSNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

IAME/PLANT NAME:  COMPARISON CASE 2                  METEOROLOGICAL INSTRUMENTATION
:RIOI DATA PERIOD: 5 YEARS OF DATA                   WIND SENSORS HEIGHT:  10.0 METER
' REI TYPE OF RELEASE: GROUND-LEVEL  no ter          DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S:  COMMENTS:  NONE
I: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ER 'OPARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE SSE SECTOR.
:TY I STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
;  |  CLASS   METER/SEC  PERCENT   METERS    METERS      METERS      METERS  METERS   METERS       MEANDER   BLDG WAKE        USED
 A'          AT  10.0 METERS                                                                                CA=1342.SQ.METERS

      A        1.5        0.06     4827.      0.          0.        776.2  1000.0    776.2     2.734E-07  2.732E-07  2.732E-07
      A        3.0        0.06     4827.      0.          0.        776.2  1000.0    776.2     1.367E-07  1.366E-07  1.366E-07
      A        5.0        0.68     4827.      0.          0.        776.2  1000.0    776.2     8.202E-08  8.197E-08  8.197E-08
      A        7.0        0.23     4827.      0.          0.        776.2  1000.0    776.2     5.858E-08  5.855E-08  5.855E-08

      B        2.0        0.23     4827.      0.          0.        583.7   611.6    583.7     4.458E-07  4.453E-07  4.453E-07
      B        3.0        0.45     4827.      0.          0.        583.7   611.6    583.7     2.972E-07  2.968E-07  2.968E-07
      B        5.0        1.07     4827.      0.          0.        583.7   611.6    583.7     1.783E-07  1.781E-07  1.781E-07
      B        7.0        0.17     4827.      0.          0.        583.7   611.6    583.7     1.274E-07  1.272E-07  1.272E-07
```

B	10.0	0.11	4827.	0.	0.	583.7	611.6	583.7	8.916E-08	8.905E-08	8.905E-08
C	1.5	0.06	4827.	0.	0.	443.3	256.4	443.3	1.867E-06	1.860E-06	1.860E-06
C	2.0	0.06	4827.	0.	0.	443.3	256.4	443.3	1.400E-06	1.395E-06	1.395E-06
C	3.0	1.07	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
C	5.0	1.75	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
C	7.0	0.90	4827.	0.	0.	443.3	256.4	443.3	4.001E-07	3.986E-07	3.986E-07
C	10.0	0.11	4827.	0.	0.	443.3	256.4	443.3	2.801E-07	2.790E-07	2.790E-07
D	0.8	0.23	4827.	0.	0.	312.1	87.3	373.7	1.301E-05	1.534E-05	1.301E-05
D	1.0	0.45	4827.	0.	0.	312.1	87.3	373.7	9.761E-06	1.151E-05	9.761E-06
D	1.5	1.86	4827.	0.	0.	312.1	87.3	373.7	6.507E-06	7.670E-06	6.507E-06
D	2.0	2.93	4827.	0.	0.	312.1	87.3	373.7	4.880E-06	5.753E-06	4.880E-06
D	3.0	15.12	4827.	0.	0.	312.1	87.3	345.9	3.515E-06	3.835E-06	3.515E-06
D	5.0	42.41	4827.	0.	0.	312.1	87.3	319.6	2.282E-06	2.301E-06	2.282E-06
D	7.0	15.79	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
D	10.0	0.45	4827.	0.	0.	312.1	87.3	312.1	1.169E-06	1.151E-06	1.151E-06
E	0.8	0.28	4827.	0.	0.	222.0	55.4	309.5	2.473E-05	3.333E-05	2.473E-05
E	1.0	0.34	4827.	0.	0.	222.0	55.4	309.5	1.855E-05	2.500E-05	1.855E-05
E	1.5	1.18	4827.	0.	0.	222.0	55.4	309.5	1.237E-05	1.667E-05	1.237E-05
E	2.0	2.31	4827.	0.	0.	222.0	55.4	309.5	9.275E-06	1.250E-05	9.275E-06
E	3.0	6.54	4827.	0.	0.	222.0	55.4	265.7	7.202E-06	8.333E-06	7.202E-06
E	5.0	1.97	4827.	0.	0.	222.0	55.4	230.7	4.977E-06	5.000E-06	4.977E-06
E	7.0	0.11	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06
F	0.5	0.06	4827.	0.	0.	153.2	34.5	243.9	7.569E-05	1.115E-04	7.569E-05
F	1.0	0.17	4827.	0.	0.	153.2	34.5	243.9	3.785E-05	5.574E-05	3.785E-05
F	1.5	0.11	4827.	0.	0.	153.2	34.5	243.9	2.523E-05	3.716E-05	2.523E-05
F	2.0	0.28	4827.	0.	0.	153.2	34.5	243.9	1.892E-05	2.787E-05	1.892E-05
F	3.0	0.11	4827.	0.	0.	153.2	34.5	195.5	1.574E-05	1.858E-05	1.574E-05
F	5.0	0.11	4827.	0.	0.	153.2	34.5	161.0	1.146E-05	1.115E-05	1.115E-05
G	0.8	0.11	4827.	0.	0.	105.7	21.5	210.1	9.418E-05	1.574E-04	9.418E-05
G	1.5	0.06	4827.	0.	0.	105.7	21.5	210.1	4.709E-05	7.871E-05	4.709E-05

:OMPILUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

JAME/PLANT NAME: COMPARISON CASE 2
:RIOI DATA PERIOD: 5 YEARS OF DATA
' RE TYPE OF RELEASE: GROUND-LEVEL, no tor
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S: COMMENTS: NONE
I: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ULA'OLOW POPULATION ZONE CALCULATIONS:
:CTOO SSE SECTOR BOUNDARY DISTANCE - 4827.0 METERS
, PL'OLATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
INCT AS A FUNCTION OF DOWNWIND DISTANCE.
t CR MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
IG W BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
ARE OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NUI THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
:RD : THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

.8E-0	9.418E-05	7.569E-05	4.709E-05	3.785E-05	2.523E-05	2.473E-05	1.892E-05	1.855E-05	1.574E-05	1.301E-05
0.1	0.113	0.169	0.226	0.395	0.508	0.790	1.072	1.410	1.523	1.748
004	0.00460	0.00690	0.00919	0.01609	0.02069	0.03218	0.04367	0.05746	0.06206	0.07125
17E-0	1.237E-05	1.115E-05	9.761E-06	9.275E-06	7.202E-06	6.507E-06	4.977E-06	4.880E-06	3.571E-06	3.515E-06
2.9	2.933	3.046	3.497	5.809	12.352	14.213	16.187	19.120	19.233	34.349
.119	0.11952	0.12412	0.14250	0.23674	0.50336	0.57920	0.65965	0.77917	0.78376	1.39974
32E-0	2.282E-06	1.860E-06	1.644E-06	1.395E-06	1.151E-06	9.301E-07	5.581E-07	4.453E-07	3.986E-07	2.968E-07

METEOROLOGICAL INSTRUMENTATION
WIND SENSORS HEIGHT: 10.0 METER
DELTA-T HEIGHTS:

EC-ENVR-1057
Page 546

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6.76      76.763      76.819      92.611      92.668      93.119      94.191      95.939      96.165      97.067      97.518
1281    3.12816     3.13046     3.77402     3.77632     3.79470     3.83837     3.90963     3.91882     3.95559     3.97398
OE-O  2.790E-07   2.732E-07   1.781E-07   1.366E-07   1.272E-07   8.905E-08   8.197E-08   5.855E-08
7.63      97.631      97.688      98.759      98.816      98.985      99.098      99.774     100.000
9785    3.97858     3.98088     4.02455     4.02685     4.03374     4.03834     4.06592     4.07511
(  X0          X/Q PERCENTILES
ON T (BASED ON THE UPPER ENVELOPE OF THE
 X/C ORDERED X/Q-FREQUENCY VALUES, AND AS
 ON PLOTTED ON A LOG NORMAL GRAPH.)
(T OE PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
CHI/        CHI/Q        WITH RESPECT TO      WHEN THE WIND BLOWS
IC P SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=   0.007
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   0.119
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   0.503
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   3.125
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   3.771
(  XO  K  I   XQSAVE(K,I)  XQINT(K,I) XQSLOP(K,I)
     16  1      -9.27031  17.90131  -2.20686
     16  2      -9.48883 -18.40252  -2.33834
     16  3     -11.30054 -14.84501  -1.16702
     16  4     -11.84118 -15.99987  -1.61570
     16  5     -12.99031 -20.20406  -3.87274
     16  6      13.31859     NUMXQ(K)=  6
57E-     2.557E-05              0.041              1.000
27E-     1.227E-05              0.122              3.000
21E-     1.021E-05              0.204              5.000
35E-     7.835E-06              0.408             10.000
53E-     6.453E-06              0.611             15.000
60E-     5.460E-06              0.815             20.000
77E      4.777E 06              1.019             25.000
70E-     4.270E-06              1.223             30.000
76E-     3.876E-06              1.426             35.000
57E-     3.557E-06              1.630             40.000
94E-     3.294E-06              1.834             45.000
71E-     3.071E-06              2.038             50.000
80E-     2.880E-06              2.241             55.000
14E-     2.714E-06              2.445             60.000
67E-     2.567E-06              2.649             65.000
37E-     2.437E-06              2.853             70.000
21E-     2.321E-06              3.056             75.000
25E-     2.125E-06              3.260             80.000
12E-     1.912E-06              3.464             85.000
29E-     1.729E-06              3.668             90.000
21E-0    7.221E-06              0.5               12.27
AVE0ANNUAL AVERAGE =    6.70E-08
 0K= 16      FIVEXQ(K)= 7.221E-06     FIVEPR(K)=12.270
OMPUSNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME:  COMPARISON CASE 2                METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA                 WIND SENSORS HEIGHT:  10.0 METER
 REI TYPE OF RELEASE: GROUND-LEVEL  no ter        DELTA T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S:  COMMENTS:  NONE
: P/ PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ER 0PARAMETER VALUES FOR THE CHI/Q CALCULATIONS FOR THE ALL SECTOR.
TY ) STABILITY WINDSPEED FREQUENCY DISTANCE TERRAIN HT EFF PLUME HT  SIGMA-Y SIGMA-Z MEANDER-SY  ** CHI/Q VALUES (SEC/CUBIC METER)
   )  CLASS   METER/SEC  PERCENT   METERS    METERS      METERS      METERS  METERS   METERS        MEANDER   BLDG WAKE        USED
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EC-ENVR-1057
Page 547

AT AT 10.0 METERS CA-1342.SQ.METERS

A	0.5	0.00	4827.	0.	0.	776.2	1000.0	776.2	8.202E-07	8.197E-07	8.197E-07
A	0.8	0.00	4827.	0.	0.	776.2	1000.0	776.2	5.468E-07	5.465E-07	5.465E-07
A	1.0	0.04	4827.	0.	0.	776.2	1000.0	776.2	4.101E-07	4.099E-07	4.099E-07
A	1.5	0.25	4827.	0.	0.	776.2	1000.0	776.2	2.734E-07	2.732E-07	2.732E-07
A	2.0	0.46	4827.	0.	0.	776.2	1000.0	776.2	2.050E-07	2.049E-07	2.049E-07
A	3.0	1.29	4827.	0.	0.	776.2	1000.0	776.2	1.367E-07	1.366E-07	1.366E-07
A	5.0	1.77	4827.	0.	0.	776.2	1000.0	776.2	8.202E-08	8.197E-08	8.197E-08
A	7.0	0.20	4827.	0.	0.	776.2	1000.0	776.2	5.858E-08	5.855E-08	5.855E-08
A	10.0	0.01	4827.	0.	0.	776.2	1000.0	776.2	4.101E-08	4.099E-08	4.099E-08
B	0.8	0.00	4827.	0.	0.	583.7	611.6	583.7	1.189E-06	1.187E-06	1.187E-06
B	1.0	0.05	4827.	0.	0.	583.7	611.6	583.7	8.916E-07	8.905E-07	8.905E-07
B	1.5	0.25	4827.	0.	0.	583.7	611.6	583.7	5.944E-07	5.937E-07	5.937E-07
B	2.0	0.46	4827.	0.	0.	583.7	611.6	583.7	4.458E-07	4.453E-07	4.453E-07
B	3.0	0.91	4827.	0.	0.	583.7	611.6	583.7	2.972E-07	2.968E-07	2.968E-07
B	5.0	1.22	4827.	0.	0.	583.7	611.6	583.7	1.783E-07	1.781E-07	1.781E-07
B	7.0	0.23	4827.	0.	0.	583.7	611.6	583.7	1.274E-07	1.272E-07	1.272E-07
B	10.0	0.02	4827.	0.	0.	583.7	611.6	583.7	8.916E-08	8.905E-08	8.905E-08
C	0.5	0.00	4827.	0.	0.	443.3	256.4	443.3	5.601E-06	5.581E-06	5.581E-06
C	0.8	0.01	4827.	0.	0.	443.3	256.4	443.3	3.734E-06	3.720E-06	3.720E-06
C	1.0	0.08	4827.	0.	0.	443.3	256.4	443.3	2.801E-06	2.790E-06	2.790E-06
C	1.5	0.42	4827.	0.	0.	443.3	256.4	443.3	1.867E-06	1.860E-06	1.860E-06
C	2.0	0.60	4827.	0.	0.	443.3	256.4	443.3	1.400E-06	1.395E-06	1.395E-06
C	3.0	1.25	4827.	0.	0.	443.3	256.4	443.3	9.336E-07	9.301E-07	9.301E-07
C	5.0	1.60	4827.	0.	0.	443.3	256.4	443.3	5.601E-07	5.581E-07	5.581E-07
C	7.0	0.35	4827.	0.	0.	443.3	256.4	443.3	4.001E-07	3.986E-07	3.986E-07
C	10.0	0.03	4827.	0.	0.	443.3	256.4	443.3	2.801E-07	2.790E-07	2.790E-07
D	0.5	0.15	4827.	0.	0.	312.1	87.3	312.1	2.337E-05	2.301E-05	2.301E-05
D	0.8	0.94	4827.	0.	0.	312.1	87.3	312.1	1.558E-05	1.534E-05	1.534E-05
D	1.0	2.37	4827.	0.	0.	312.1	87.3	312.1	1.169E-05	1.151E-05	1.151E-05
D	1.5	5.39	4827.	0.	0.	312.1	87.3	312.1	7.791E-06	7.670E-06	7.670E-06
D	2.0	5.59	4827.	0.	0.	312.1	87.3	312.1	5.843E-06	5.753E-06	5.753E-06
D	3.0	10.32	4827.	0.	0.	312.1	87.3	312.1	3.895E-06	3.835E-06	3.835E-06
D	5.0	12.38	4827.	0.	0.	312.1	87.3	312.1	2.337E-06	2.301E-06	2.301E-06
D	7.0	3.45	4827.	0.	0.	312.1	87.3	312.1	1.669E-06	1.644E-06	1.644E-06
D	10.0	0.39	4827.	0.	0.	312.1	87.3	312.1	1.169E-06	1.151E-06	1.151E-06
D	13.0	0.00	4827.	0.	0.	312.1	87.3	312.1	8.989E-07	8.850E-07	8.850E-07
E	0.5	0.45	4827.	0.	0.	222.0	55.4	222.0	5.174E-05	5.000E-05	5.000E-05
E	0.8	3.56	4827.	0.	0.	222.0	55.4	222.0	3.449E-05	3.333E-05	3.333E-05
E	1.0	5.27	4827.	0.	0.	222.0	55.4	222.0	2.587E-05	2.500E-05	2.500E-05
E	1.5	7.42	4827.	0.	0.	222.0	55.4	222.0	1.725E-05	1.667E-05	1.667E-05
E	2.0	4.26	4827.	0.	0.	222.0	55.4	222.0	1.293E-05	1.250E-05	1.250E-05
E	3.0	4.39	4827.	0.	0.	222.0	55.4	222.0	8.623E-06	8.333E-06	8.333E-06
E	5.0	1.76	4827.	0.	0.	222.0	55.4	222.0	5.174E-06	5.000E-06	5.000E-06
E	7.0	0.19	4827.	0.	0.	222.0	55.4	222.0	3.695E-06	3.571E-06	3.571E-06
E	10.0	0.02	4827.	0.	0.	222.0	55.4	222.0	2.587E-06	2.500E-06	2.500E-06
F	0.5	0.31	4827.	0.	0.	153.2	34.5	153.2	1.205E-04	1.115E-04	1.115E-04
F	0.8	2.70	4827.	0.	0.	153.2	34.5	153.2	8.033E-05	7.431E-05	7.431E-05
F	1.0	4.16	4827.	0.	0.	153.2	34.5	153.2	6.024E-05	5.574E-05	5.574E-05
F	1.5	4.22	4827.	0.	0.	153.2	34.5	153.2	4.016E-05	3.716E-05	3.716E-05
F	2.0	0.79	4827.	0.	0.	153.2	34.5	153.2	3.012E-05	2.787E-05	2.787E-05
F	3.0	0.13	4827.	0.	0.	153.2	34.5	153.2	2.008E-05	1.858E-05	1.858E-05
F	5.0	0.03	4827.	0.	0.	153.2	34.5	153.2	1.205E-05	1.115E-05	1.115E-05

G	0.5	0.08	4827.	0.	0.	105.7	21.5	105.7	2.806E-04	2.361E-04	2.361E-04
G	0.8	1.14	4827.	0.	0.	105.7	21.5	105.7	1.871E-04	1.574E-04	1.574E-04
G	1.0	2.83	4827.	0.	0.	105.7	21.5	105.7	1.403E-04	1.181E-04	1.181E-04
G	1.5	3.24	4827.	0.	0.	105.7	21.5	105.7	9.354E-05	7.871E-05	7.871E-05
G	2.0	0.51	4827.	0.	0.	105.7	21.5	105.7	7.015E 05	5.903E-05	5.903E-05
G	3.0	0.02	4827.	0.	0.	105.7	21.5	105.7	4.677E-05	3.936E-05	3.936E-05

OMPULUSNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME: COMPARISON CASE 2 METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA WIND SENSORS HEIGHT: 10.0 METER
REI TYPE OF RELEASE: GROUND-LEVEL no tor DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S: COMMENTS: NONE
: PI PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
ULATDLOW POPULATION ZONE CALCULATIONS:
ON : DIRECTION INDEPENDENT (S.R.P 2.3.4) MODEL.
. BOI MINIMUM BOUNDARY DISTANCE = 4827.0 METERS.
G WI BUILDING WAKE CREDIT ALLOWED: C= 0.5 A= 2685. D= 60.0
RE IOBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NUI THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD I THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

1E-0	2.361E-04	1.574E-04	1.181E 04	1.115E-04	7.871E-05	7.431E-05	5.903E-05	5.574E-05	5.000E-05	3.936E-05
0.0	0.076	1.218	4.050	4.365	7.608	10.308	10.819	14.983	15.436	15.459
075	0.07585	1.21817	4.04983	4.36472	7.60780	10.30845	10.81870	14.98345	15.43624	15.45923
6E-0	3.716E-05	3.333E-05	2.787E-05	2.500E-05	2.301E-05	1.858E-05	1.667E-05	1.534E-05	1.250E-05	1.151E-05
9.6	19.679	23.237	24.025	29.300	29.454	29.581	37.005	37.949	42.206	44.580
679	19.67914	23.23711	24.02547	29.30036	29.45435	29.58077	37.00469	37.94934	42.20603	44.58030
5E-0	1.115E-05	8.333E-06	7.670E-06	5.753E-06	5.581E-06	5.000E-06	3.835E-06	3.720E-06	3.571E-06	2.790E-06
4.6	44.608	49.002	54.395	59.989	59.991	61.747	72.070	72.076	72.263	72.343
607	44.60788	49.00248	54.39459	59.98896	59.99126	61.74726	72.06950	72.07640	72.26257	72.34302
0E-0	2.500E-06	2.301E-06	1.860E-06	1.644E-06	1.395E-06	1.187E-06	1.151E-06	9.301E-07	8.905E-07	8.850E-07
2.3	72.361	84.745	85.166	88.611	89.211	89.213	89.604	90.857	90.903	90.907
361	72.36140	84.74533	85.16594	88.61128	89.21117	89.21347	89.60420	90.85684	90.90281	90.90741
7E-0	8.197E-07	5.937E-07	5.581E-07	5.465E-07	4.453E-07	4.099E-07	3.986E-07	2.968E-07	2.790E-07	2.732E-07
0.9	90.910	91.156	92.760	92.762	93.222	93.266	93.620	94.532	94.557	94.808
909	90.90971	91.15564	92.75994	92.76224	93.22192	93.26559	93.61955	94.53203	94.55731	94.80784
9E-0	2.049E-07	1.781E-07	1.366E-07	1.272E-07	8.905E-08	8.197E-08	5.855E-08	4.099E-08		
5.2	95.268	96.490	97.777	98.003	98.021	99.789	99.993	100.000		
267	95.26752	96.49029	97.77740	98.00265	98.02103	99.78853	99.99309	99.99998		

0 X/Q PERCENTILES
ON ' (BASED ON THE UPPER ENVELOPE OF THE
) X/ ORDERED X/Q-FREQUENCY VALUES, AND AS
) ON PLOTTED ON A LOG-NORMAL GRAPH.)
NT 0 0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

CHI	CHI/Q	WITH RESPECT TO	WHEN THE WIND BLOWS
IC	SEC/CUBIC METER	THE TOTAL TIME	INTO THIS SECTOR ONLY
527E	1.627E-04	1.000	1.000
275E	1.275E-04	3.000	3.000
072E	1.072E-04	5.000	5.000
557E	7.557E-05	10.000	10.000
567E	5.567E-05	15.000	15.000
054E	4.054E-05	20.000	20.000
088E	3.088E-05	25.000	25.000
410E	2.410E-05	30.000	30.000
875E	1.875E-05	35.000	35.000
477E	1.477E-05	40.000	40.000

HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(5)= 14.983

EC-ENVR-1057
Page 549

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74E-     1.174E-05          45.000          45.000
58E-     9.358E-06          50.000          50.000
18E-     7.518E-06          55.000          55.000
57E      6.357E-06          60.000          60.000
44E      5.344E-06          65.000          65.000
51E      4.451E-06          70.000          70.000
53E-     3.653E-06          75.000          75.000
32E-     2.932E-06          80.000          80.000
68E-     2.268E-06          85.000          85.000
42E-     1.642E-06          90.000          90.000
72E-0    1.072E-04           5.0             5.00
   10K= 17     FIVEXQ(K)= 1.072E-04     FIVEPR(K)= 5.000
OMPILUSNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME:  COMPARISON CASE 2                   METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
' RE TYPE OF RELEASE: GROUND-LEVEL  no ter           DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
'S:  COMMENTS:  NONE
I: P. PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
'ULA'OLOW POPULATION ZONE CALCULATIONS:
RCEIOFIVE PERCENT OVERALL SITE LIMIT
IG W. BUILDING WAKE CREDIT ALLOWED:   C=  0.5    A=  2685.    D=   60.0
RE :OBELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
' NUI THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
RD : THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
.3E-0   1.413E-04   9.418E-05   7.569E-05   7.063E-05   5.046E-05   4.709E-05   3.785E-05   3.710E-05   3.532E-05   3.308E-05
0.0        0.076       1.218       1.533       4.365       7.065      10.308      14.473      14.926      15.436      15.459
.075     0.07585     1.21817     1.53305     4.36471     7.06537     10.30845    14.47320    14.92599    15.43624    15.45922
13E-0   2.523E-05   2.473E-05   1.952E-05   1.892E-05   1.855E-05   1.574E-05   1.301E-05   1.237E-05   1.115E-05   9.761E-06
.9.6       19.679      23.237      23.391      24.179      29.454      29.581      30.525      37.949      37.977      40.351
.679     19.67913    23.23710    23.39109    24.17945    29.45434    29.58075    30.52541    37.94933    37.97692    40.35120
75E-0   9.275E-06   7.202E-06   6.507E-06   5.581E-06   4.977E-06   4.880E-06   3.720E-06   3.571E-06   3.515E-06   2.790E-06
14.6       44.608      49.002      54.395      54.397      56.153      61.747      61.754      61.940      72.263      72.343
.607     44.60789    49.00248    54.39459    54.39689    56.15290    61.74728    61.75418    61.94035    72.26260    72.34304
00E-0   2.500E-06   2.282E-06   1.860E-06   1.644E-06   1.395E-06   1.187E-06   1.151E-06   9.301E-07   8.905E-07   8.850E-07
72.3       72.361      84.745      85.166      88.611      89.211      89.213      89.604      90.857      90.903      90.907
.361     72.36143    84.74535    85.16596    88.61131    89.21120    89.21349    89.60423    90.85687    90.90284    90.90743
97E-0   8.197E-07   5.937E-07   5.581E-07   5.465E-07   4.453E-07   4.099E-07   3.986E-07   2.968E-07   2.790E-07   2.732E-07
90.9       90.910      91.156      92.760      92.762      93.222      93.266      93.620      94.532      94.557      94.808
.909     90.90973    91.15566    92.75996    92.76225    93.22193    93.26561    93.61958    94.53204    94.55733    94.80787
19E-0   2.049E-07   1.781E-07   1.366E-07   1.272E-07   8.905E-08   8.197E-08   5.855E-08   4.099E-08
95.2       95.268      96.490      97.777      98.003      98.021      99.789      99.993     100.000
.267     95.26756    96.49033    97.77746    98.00271    98.02110    99.78859    99.99314   100.00004
   0          X/Q PERCENTILES
 ON   (BASED ON THE UPPER ENVELOPE OF THE
) X/  ORDERED X/Q-FREQUENCY VALUES, AND AS
) ON  PLOTTED ON A LOG-NORMAL GRAPH.)
NT O0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
 CHI          CHI/Q       WITH RESPECT TO      WHEN THE WIND BLOWS
BIC   SEC/CUBIC METER   THE TOTAL TIME       INTO THIS SECTOR ONLY

   0                                                    ERROR IN NORMAL TRANSFORMATION FOR A( 58)= 100.00004
                                                         HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=  14.926

  X0  K  T   XQSAVE(K,T)  XQINT(K,I) XQSLOP(K,I)
      18  1     -8.86484 -10.26284   0.44077
      18  2     -9.27031 -10.46647  -0.53120
      18  3     -9.55799 -11.11317  -0.90934
      18  4     -9.96346 -11.30515   1.06119
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      18  5      -10.20193 -11.56694  -1.31300
      18  6      -10.60739 -11.70792  -1.50591
      18  7      -10.89507  11.76511  -1.61187
      18  8      -11.94262 -11.81658  -1.14447
      18  9      -12.99031 -11.64269  -1.31403
      18 10       16.65336      NUMXQ(K)= 10
34E      9.734E-05              1.000              1.000
35E      7.735E-05              3.000              3.000
58E      6.658E-05              5.000              5.000
84E      4.784E-05             10.000             10.000
94E      3.694E-05             15.000             15.000
60E      2.860E-05             20.000             20.000
71E      2.271E-05             25.000             25.000
08E      1.808E-05             30.000             30.000
45E      1.445E-05             35.000             35.000
68E      1.168E-05             40.000             40.000
11E      9.511E-06             45.000             45.000
71E      7.771E-06             50.000             50.000
94E      6.394E-06             55.000             55.000
26E      5.526E-06             60.000             60.000
51E      4.751E-06             65.000             65.000
52E      4.052E-06             70.000             70.000
12E      3.412E-06             75.000             75.000
18E      2.818E-06             80.000             80.000
50E      2.250E-06             85.000             85.000
30E      1.630E-06             90.000             90.000
58E-0    6.658E-05              5.0                5.00
    IOK= 18      FIVEXQ(K)= 6.658E-05      FIVEPR(K)= 5.000
    0  K          HIGHPR              PR        GRNDVT(K)
       1        -3.79017         0.00753         5.13239
       2        -2.18511         1.44404         7.04698
       3        -2.88282         0.19707         9.23278
       4        -2.57624         0.49941        15.56955
       5         2.69519         0.35175         7.48138
       6        -2.92962         0.16969         4.52101
       7         3.12981         0.08747         4.87267
       8        -3.37185         0.03734         4.26588
       9        -3.64011         0.01363         6.18277
      10        -3.68043         0.01165         7.04698
      11        -3.87727         0.00528        10.42107
      12        -4.05348         0.00252         6.00809
      13        -4.00847         0.00306         2.94429
      14        -4.16955         0.00153         1.99274
      15        -4.06123         0.00244         3.20631
      16        -3.89494         0.00491         4.07511
    0  K        HOURS(K)          TOTHRS
       1         0.65961         0.65961
   1   2       126.49770       127.15731
       3        17.26376       144.42107
       4        43.74861       188.16968
       5        30.81329       218.98297
       6        14.86509       233.84805
       7         7.66212       241.51016
       8         3.27085       244.78101
       9         1.19392       245.97493
      10         1.02012       246.99506
      11         0.46285       247.45790
      12         0.22114       247.67903
      13         0.26780       247.94684
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	14	0.13376	248.08060					
	15	0.21392	248.29451					
	16	0.43038	248.72490					
FIVE 0	K	FIVEXQ	SVANN	SLTTMR	TIMINT	T	TIME	XQT
58E-	1	1.258E-05	1.182E-07	-0.5566	-10.8973			
						1	8.0	-12.05476
						2	16.0	-12.44059
						3	72.0	-13.27782
						4	624.0	-14.47988
70E-	2	2.470E-05	2.519E-07	-0.5469	-10.2297			
						1	8.0	-11.36688
						2	16.0	-11.74594
						3	72.0	-12.56849
						4	624.0	-13.74946
36E-	3	7.336E-05	5.649E-07	0.5804	-9.1179			
						1	8.0	10.32476
						2	16.0	-10.72704
						3	72.0	-11.59996
						4	624.0	-12.85327
90E-	4	9.090E-05	1.481E-06	-0.4910	-8.9654			
						1	8.0	-9.98644
						2	16.0	-10.32680
						3	72.0	-11.06535
						4	624.0	-12.12572
08E-	5	8.308E-05	7.323E-07	0.5643	-9.0046			
						1	8.0	-10.17798
						2	16.0	-10.56909
						3	72.0	-11.41777
						4	624.0	-12.63626
99E-	6	5.899E-05	3.696E-07	-0.6050	-9.3187			
						1	8.0	-10.57675
						2	16.0	-10.99609
						3	72.0	-11.90603
						4	624.0	-13.21247
74E-	7	4.374E-05	3.045E-07	-0.5924	-9.6267			
						1	8.0	-10.85855
						2	16.0	11.26916
						3	72.0	-12.16013
						4	624.0	-13.43936
02E-	8	3.402E-05	2.322E-07	-0.5948	9.8762			
						1	8.0	11.11304
						2	16.0	11.52530
						3	72.0	-12.41988
						4	624.0	-13.70428
34E-	9	3.134E-05	2.772E-07	-0.5639	9.9796			
						1	8.0	-11.15213
						2	16.0	-11.54296
						3	72.0	-12.39104
						4	624.0	-13.60867
32E-	10	2.332E-05	2.472E-07	-0.5422	-10.2906			
						1	8.0	-11.41809
						2	16.0	-11.79392
						3	72.0	-12.60947
						4	624.0	-13.78039
78E-	11	1.578E-05	2.029E-07	-0.5192	-10.6969			
						1	8.0	-11.77661
						2	16.0	-12.13652
						3	72.0	-12.91749
						4	624.0	-14.03877

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13E-  12 8.803E-06 8.886E-08   -0.5481  -11.2605
                                                  1    8.0   -12.40027
                                                  2   16.0    12.78018
                                                  3   72.0   -13.60455
                                                  4  624.0   -14.78815
10E-  13 5.880E-06 5.060E-08   -0.5671  -11.6508
                                                  1    8.0   -12.83011
                                                  2   16.0   -13.22321
                                                  3   72.0   -14.07620
                                                  4  624.0   -15.30089
9E-   14 4.569E-06 3.379E-08   -0.5852  -11.8905
                                                  1    8.0   -13.10739
                                                  2   16.0   -13.51302
                                                  3   72.0   -14.39321
                                                  4  624.0   -15.65694
0E-   15 6.420E-06 5.394E-08   -0.5700  -11.5610
                                                  1    8.0   -12.74622
                                                  2   16.0   -13.14131
                                                  3   72.0   -13.99862
                                                  4  624.0   -15.22950
1E-   16 7.221E-06 6.695E-08    0.5582  -11.4515
                                                  1    8.0   -12.61236
                                                  2   16.0   -12.99929
                                                  3   72.0   -13.83892
                                                  4  624.0   -15.04441
2E-   17 1.072E-04 1.481E-06    0.5107   -8.7866
                                                  1    8.0    -9.84863
                                                  2   16.0   -10.20264
                                                  3   72.0   -10.97080
                                                  4  624.0   -12.07370
8E-   18 6.658E-05 1.481E-06    0.4539   -9.3025
                                                  1    8.0   -10.24634
                                                  2   16.0   -10.56096
                                                  3   72.0   -11.24365
                                                  4  624.0   -12.22383
OMPU USNRC COMPUTER CODE PAVAN, VERSION 2.0          RUN DATE: 04 12 14 16:23:12

AME/PLANT NAME:  COMPARISON CASE 2                   METEOROLOGICAL INSTRUMENTATION
RIOI DATA PERIOD: 5 YEARS OF DATA                    WIND SENSORS HEIGHT:  10.0 METER
 REI TYPE OF RELEASE: GROUND-LEVEL  no tor           DELTA-T HEIGHTS:
OF I SOURCE OF DATA: S:\PAVAN\JFT.DOC
S:  COMMENTS:  NONE
: P PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
 0                                  RELATIVE CONCENTRATION (X/Q) VALUES (SEC/CUBIC METER)
                                                    VERSUS                                  HOURS PER YEAR MAX
                                                AVERAGING TIME
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Attachment H

XDCALC Output Results for Each of 5-Years

DATES OF LAST X/Q ACCUMULATION ARE FROM 01/01/99 01:00 TO 01/01/04 00:00
FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
1	2092.70	0.00	1.989E-06	2.004E-06	1.713E-06	5.271E-09
2	5151.20	0.00	5.240E-07	5.335E-07	4.174E-07	1.186E-09
3	1609.70	23.00	3.029E-06	3.045E-06	2.651E-06	1.096E-08
4	3702.40	23.00	8.975E-07	9.071E-07	7.388E-07	2.878E-09
5	1448.80	45.00	2.850E-06	2.860E-06	2.510E-06	1.806E-08
6	4346.20	45.00	5.669E-07	5.724E-07	4.585E-07	3.127E-09
7	3380.50	68.00	3.921E-07	3.947E-07	3.244E-07	2.918E-09
8	3860.40	68.00	3.264E-07	3.288E-07	2.670E-07	2.433E-09
9	2253.70	90.00	3.282E-07	3.298E-07	2.807E-07	2.159E-09
10	2897.60	90.00	2.206E-07	2.219E-07	1.849E-07	1.432E-09
11	7243.90	90.00	4.518E-08	4.588E-08	3.438E-08	2.499E-10
12	804.90	113.00	1.295E-06	1.297E-06	1.185E-06	1.043E-08
13	4024.40	113.00	8.697E-08	8.762E-08	7.090E-08	5.604E-10
14	4346.30	113.00	7.488E-08	7.550E-08	6.050E-08	4.730E-10
15	804.90	135.00	1.915E-06	1.917E-06	1.752E-06	1.580E-08
16	965.90	135.00	1.465E-06	1.467E-06	1.324E-06	1.162E-08
17	4185.40	135.00	1.414E-07	1.424E-07	1.147E-07	9.199E-10
18	965.90	158.00	2.045E-06	2.049E-06	1.848E-06	1.642E-08
19	2413.50	158.00	4.676E-07	4.696E-07	3.979E-07	3.097E-09
20	1609.80	180.00	1.475E-06	1.481E-06	1.290E-06	7.844E-09
21	1770.70	180.00	1.267E-06	1.273E-06	1.102E-06	6.597E-09
22	1448.80	203.00	3.509E-06	3.526E-06	3.093E-06	1.254E-08
23	1931.70	203.00	2.257E-06	2.271E-06	1.953E-06	7.549E-09
24	4829.30	203.00	5.067E-07	5.141E-07	4.058E-07	1.473E-09
25	2414.60	225.00	3.212E-06	3.241E-06	2.743E-06	6.149E-09
26	3058.50	225.00	2.250E-06	2.277E-06	1.885E-06	4.195E-09
27	2092.70	248.00	1.125E-05	1.135E-05	9.696E-06	1.434E-08
28	2092.70	248.00	1.125E-05	1.135E-05	9.696E-06	1.434E-08
29	1931.70	270.00	5.785E-06	5.842E-06	5.018E-06	7.431E-09
30	1931.70	270.00	5.785E-06	5.842E-06	5.018E-06	7.431E-09
31	8048.80	270.00	5.115E-07	5.319E-07	3.902E-07	4.291E-10
32	1287.80	293.00	6.678E-06	6.726E-06	5.943E-06	1.128E-08
33	2092.70	293.00	3.061E-06	3.093E-06	2.642E-06	4.653E-09
34	1287.80	315.00	6.723E-06	6.768E-06	5.981E-06	1.463E-08
35	2897.60	315.00	1.878E-06	1.903E-06	1.583E-06	3.489E-09
36	2897.60	315.00	1.878E-06	1.903E-06	1.583E-06	3.489E-09
37	965.80	338.00	6.012E-06	6.037E-06	5.444E-06	1.604E-08
38	6439.00	338.00	3.409E-07	3.498E-07	2.654E-07	5.942E-10
39	6761.00	338.00	3.189E-07	3.276E-07	2.469E-07	5.459E-10
40	1126.30	45.00	4.117E-06	4.128E-06	3.685E-06	2.752E-08
41	804.90	248.00	3.911E-05	3.923E-05	3.583E-05	5.753E-08
42	949.00	0.00	6.451E-06	6.474E-06	5.846E-06	2.078E-08
43	1255.00	23.00	4.128E-06	4.145E-06	3.672E-06	1.589E-08
44	933.00	45.00	5.331E-06	5.343E-06	4.832E-06	3.709E-08
45	788.00	68.00	3.252E-06	3.257E-06	2.980E-06	3.007E-08
46	772.00	90.00	1.812E-06	1.815E-06	1.663E-06	1.487E-08
47	804.00	113.00	1.298E-06	1.299E-06	1.187E-06	1.045E-08
48	6600.00	113.00	3.159E-08	3.199E-08	2.428E-08	1.787E-10
49	6761.00	113.00	2.992E-08	3.031E-08	2.293E-08	1.682E-10
50	692.00	135.00	2.413E-06	2.415E-06	2.230E-06	2.057E-08
51	660.00	158.00	3.431E-06	3.434E-06	3.181E-06	2.984E-08
52	611.00	180.00	5.873E-06	5.878E-06	5.473E-06	3.884E-08
53	628.00	203.00	1.161E-05	1.163E-05	1.081E-05	5.033E-08
50	692.00	135.00	2.413E-06	2.415E-06	2.230E-06	2.057E-08
54	5634.00	203.00	3.553E-07	3.613E-07	2.796E-07	9.791E-10
55	6117.00	203.00	3.022E-07	3.078E-07	2.356E-07	8.089E-10

56	981.00	225.00	1.200E-05	1.205E-05	1.085E-05	2.739E-08
57	1963.00	248.00	1.240E-05	1.250E-05	1.073E-05	1.597E-08
58	1657.00	270.00	7.445E-06	7.510E-06	6.520E-06	9.851E-09
59	981.00	293.00	9.727E-06	9.779E-06	8.806E-06	1.743E-08
60	1062.00	315.00	8.193E-06	8.237E-06	7.378E-06	1.863E-08
61	949.00	338.00	6.160E-06	6.185E-06	5.585E-06	1.650E-08
62	1376.00	68.00	1.482E-06	1.486E-06	1.309E-06	1.227E-08
63	1283.00	90.00	8.501E-07	8.527E-07	7.545E-07	6.282E-09
64	549.00	0.00	1.425E-05	1.426E-05	1.338E-05	5.257E-08
65	549.00	23.00	1.164E-05	1.164E-05	1.092E-05	5.498E-08
66	549.00	45.00	1.119E-05	1.120E-05	1.050E-05	8.717E-08
67	549.00	68.00	5.575E-06	5.577E-06	5.231E-06	5.536E-08
68	549.00	90.00	3.004E-06	3.005E-06	2.819E-06	2.645E-08
69	549.00	113.00	2.480E-06	2.481E-06	2.327E-06	2.163E-08
70	549.00	135.00	3.432E-06	3.434E-06	3.221E-06	3.075E-08
71	549.00	158.00	4.374E-06	4.376E-06	4.105E-06	3.955E-08
72	549.00	180.00	6.780E-06	6.783E-06	6.362E-06	4.593E-08
73	549.00	203.00	1.425E-05	1.426E-05	1.338E-05	6.371E-08
74	549.00	225.00	2.657E-05	2.660E-05	2.494E-05	6.796E-08
75	549.00	247.00	6.537E-05	6.543E-05	6.136E-05	1.018E-07
76	549.00	270.00	4.049E-05	4.053E-05	3.801E-05	6.636E-08
77	549.00	293.00	2.208E-05	2.210E-05	2.073E-05	4.488E-08
78	549.00	315.00	2.156E-05	2.158E-05	2.024E-05	5.698E-08
79	549.00	338.00	1.232E-05	1.234E-05	1.157E-05	3.759E-08
80	4990.00	203.00	4.710E-07	4.782E-07	3.759E-07	1.354E-09
81	183.00	0.00	7.228E-05	7.194E-05	7.281E-05	3.499E-07
82	457.00	0.00	1.872E-05	1.872E-05	1.778E-05	7.227E-08
83	4425.00	0.00	7.002E-07	7.110E-07	5.672E-07	1.672E-09
84	4425.00	23.00	6.718E-07	6.804E-07	5.432E-07	2.080E-09
85	183.00	45.00	5.533E-05	5.517E-05	5.580E-05	5.442E-07
86	4425.00	45.00	5.492E-07	5.546E-07	4.432E-07	3.013E-09
87	183.00	68.00	2.896E-05	2.888E-05	2.921E-05	3.575E-07
88	4425.00	68.00	2.639E-07	2.661E-07	2.127E-07	1.919E-09
89	183.00	90.00	1.545E-05	1.541E-05	1.559E-05	1.707E-07
90	4425.00	90.00	1.096E-07	1.106E-07	8.839E-08	6.945E-10
91	183.00	113.00	1.420E-05	1.416E-05	1.433E-05	1.560E-07
92	4425.00	113.00	7.229E-08	7.290E-08	5.828E-08	4.545E-10
93	183.00	135.00	1.800E-05	1.796E-05	1.816E-05	2.042E-07
94	4425.00	135.00	1.246E-07	1.255E-07	1.004E-07	7.989E-10
95	183.00	158.00	2.016E-05	2.011E-05	2.034E-05	2.296E-07
96	4425.00	158.00	1.728E-07	1.742E-07	1.392E-07	1.120E-09
97	183.00	180.00	3.144E-05	3.134E-05	3.170E-05	2.728E-07
98	4425.00	180.00	2.708E-07	2.736E-07	2.186E-07	1.267E-09
99	183.00	203.00	7.425E-05	7.396E-05	7.483E-05	4.276E-07
100	4425.00	203.00	6.125E-07	6.207E-07	4.955E-07	1.835E-09
101	183.00	225.00	1.364E-04	1.357E-04	1.373E-04	4.324E-07
102	4425.00	225.00	1.243E-06	1.264E-06	1.008E-06	2.153E-09
103	183.00	247.00	3.175E-04	3.158E-04	3.196E-04	5.827E-07
104	4425.00	247.00	3.890E-06	3.958E-06	3.156E-06	4.216E-09
105	183.00	270.00	2.070E-04	2.056E-04	2.082E-04	4.196E-07
106	4425.00	270.00	1.516E-06	1.548E-06	1.233E-06	1.652E-09
107	183.00	293.00	1.124E-04	1.116E-04	1.130E-04	2.900E-07
108	4425.00	293.00	9.249E-07	9.453E-07	7.529E-07	1.242E-09
109	183.00	315.00	1.093E-04	1.087E-04	1.100E-04	3.715E-07
110	4425.00	315.00	9.484E-07	9.676E-07	7.710E-07	1.658E-09
111	183.00	338.00	5.258E-05	5.230E-05	5.294E-05	2.081E-07
112	4425.00	338.00	6.649E-07	6.767E-07	5.396E-07	1.329E-09
113	22536.00	203.00	2.738E-08	2.940E-08	[illegible]	5.225E-11
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
110	4425.00	315.00	9.484E-07	9.676E-07	7.710E-07	1.658E-09
114	2736.50	248.00	7.658E-06	7.742E-06	6.476E-06	9.354E-09
115	804.00	90.00	1.707E-06	1.709E-06	1.562E-06	1.389E-08

116	3703.40	23.00	8.972E-07	9.068E-07	7.385E-07	2.877E-09
117	3863.40	68.00	3.260E-07	3.284E-07	2.667E-07	2.431E-09
118	2253.60	90.00	3.282E-07	3.298E-07	2.807E-07	2.159E-09
119	4829.30	203.00	5.067E-07	5.141E-07	4.058E-07	1.473E-09
120	5634.00	203.00	3.553E-07	3.613E-07	2.796E-07	9.791E-10
121	2897.50	315.00	1.878E-06	1.903E-06	1.583E-06	3.490E-09
122	2897.60	90.00	2.206E-07	2.219E-07	1.849E-07	1.432E-09
123	2735.30	247.00	7.662E-06	7.747E-06	6.480E-06	9.360E-09
124	4827.00	0.00	5.940E-07	6.040E-07	4.765E-07	1.375E-09
125	4827.00	23.00	5.699E-07	5.779E-07	4.563E-07	1.716E-09
126	4827.00	45.00	4.703E-07	4.754E-07	3.757E-07	2.514E-09
127	4827.00	68.00	2.289E-07	2.310E-07	1.826E-07	1.626E-09
128	4827.00	90.00	9.264E-08	9.358E-08	7.397E-08	5.733E-10
129	4827.00	113.00	6.084E-08	6.140E-08	4.854E-08	3.739E-10
130	4827.00	135.00	1.015E-07	1.024E-07	8.095E-08	6.365E-10
131	4827.00	158.00	1.442E-07	1.455E-07	1.150E-07	9.127E-10
132	4827.00	180.00	2.247E-07	2.272E-07	1.795E-07	1.024E-09
133	4827.00	203.00	5.072E-07	5.147E-07	4.063E-07	1.474E-09
134	4827.00	225.00	1.055E-06	1.074E-06	8.470E-07	1.756E-09
135	4827.00	247.00	3.317E-06	3.381E-06	2.666E-06	3.426E-09
136	4827.00	270.00	1.281E-06	1.311E-06	1.033E-06	1.339E-09
137	4827.00	293.00	7.877E-07	8.067E-07	6.352E-07	1.020E-09
138	4827.00	315.00	8.154E-07	8.335E-07	6.566E-07	1.379E-09
139	4827.00	338.00	5.608E-07	5.718E-07	4.508E-07	1.086E-09

1

DATES OF LAST X/Q ACCUMULATION ARE FROM 01/01/99 01:00 TO 01/01/04 00:00
X/Q ACCUMULATION FOR GROUND AVERAGE SEC/M3
FOR RELEASE POINT 1 GROUND

**DIRECTION FROM N				
1.68E-06	3.30E-07	1.52E-07	8.83E-08	6.12E-08
2.98E-08	1.11E-08	5.34E-09	3.35E-09	2.37E-09
**DIRECTION FROM NNE				
3.51E-06	6.95E-07	3.25E-07	1.92E-07	1.35E-07
6.73E-08	2.59E-08	1.27E-08	8.10E-09	5.80E-09
**DIRECTION FROM NE				
7.93E-06	1.51E-06	7.30E-07	4.49E-07	3.20E-07
1.64E-07	6.61E-08	3.32E-08	2.14E-08	1.55E-08
**DIRECTION FROM ENE				
2.16E-05	3.92E-06	1.95E-06	1.24E-06	8.97E-07
4.70E-07	1.96E-07	9.99E-08	6.47E-08	4.76E-08
**DIRECTION FROM E				
1.00E-05	1.92E-06	9.42E-07	5.86E-07	4.20E-07
2.16E-07	8.81E-08	4.46E-08	2.88E-08	2.10E-08
**DIRECTION FROM ESE				
4.94E-06	9.66E-07	4.65E-07	2.83E-07	2.01E-07
1.02E-07	4.07E-08	2.04E-08	1.31E-08	9.49E-09
**DIRECTION FROM SE				
4.10E-06	8.13E-07	3.86E-07	2.31E-07	1.63E-07
8.25E-08	3.24E-08	1.61E-08	1.03E-08	7.42E-09
**DIRECTION FROM SSE				
3.12E-06	6.23E-07	2.95E-07	1.76E-07	1.24E-07
6.24E-08	2.43E-08	1.21E-08	7.71E-09	5.55E-09
**DIRECTION FROM S				
3.75E-06	7.58E-07	3.58E-07	2.12E-07	1.49E-07
7.50E-08	2.91E-08	1.44E-08	9.23E-09	6.63E-09
**DIRECTION FROM SSW				
3.34E-06	6.75E-07	3.14E-07	1.85E-07	1.30E-07
6.47E-08	2.49E-08	1.23E-08	7.80E-09	5.59E-09
**DIRECTION FROM SW				
7.50E-08	2.91E-08	1.44E-08	9.23E-09	6.63E-09
**DIRECTION FROM SW				
2.95E-06	5.73E-07	2.62E-07	1.53E-07	1.06E-07

xqintout99.txt

DATES OF LAST X/Q ACCUMULATION ARE FROM 01/01/99 01:00 TO 01/01/00 00:00

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
1	2092.70	0.00	1.708E-06	1.721E-06	1.471E-06	4.439E-09
2	5151.20	0.00	4.524E-07	4.609E-07	3.605E-07	9.986E-10
3	1609.70	23.00	2.834E-06	2.848E-06	2.480E-06	1.039E-08
4	3702.40	23.00	8.404E-07	8.495E-07	6.918E-07	2.729E-09
5	1448.80	45.00	3.054E-06	3.065E-06	2.689E-06	1.773E-08
6	4346.20	45.00	6.207E-07	6.270E-07	5.021E-07	3.070E-09
7	3380.50	68.00	4.007E-07	4.032E-07	3.315E-07	3.057E-09
8	3860.40	68.00	3.345E-07	3.368E-07	2.736E-07	2.550E-09
9	2253.70	90.00	3.269E-07	3.283E-07	2.795E-07	2.295E-09
10	2897.60	90.00	2.200E-07	2.213E-07	1.844E-07	1.522E-09
11	7243.90	90.00	4.555E-08	4.622E-08	3.464E-08	2.656E-10
12	804.90	113.00	1.126E-06	1.127E-06	1.030E-06	9.243E-09
13	4024.40	113.00	7.536E-08	7.587E-08	6.140E-08	4.968E-10
14	4346.30	113.00	6.495E-08	6.543E-08	5.244E-08	4.193E-10
15	804.90	135.00	1.901E-06	1.904E-06	1.739E-06	1.509E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
16	965.90	135.00	1.458E-06	1.461E-06	1.318E-06	1.110E-08
17	4185.40	135.00	1.431E-07	1.441E-07	1.161E-07	8.788E-10
18	965.90	158.00	1.868E-06	1.872E-06	1.689E-06	1.584E-08
19	2413.50	158.00	4.260E-07	4.277E-07	3.625E-07	2.989E-09
20	1609.80	180.00	1.678E-06	1.686E-06	1.468E-06	9.416E-09
21	1770.70	180.00	1.442E-06	1.448E-06	1.253E-06	7.918E-09
22	1448.80	203.00	3.213E-06	3.227E-06	2.831E-06	1.348E-08
23	1931.70	203.00	2.062E-06	2.073E-06	1.783E-06	8.112E-09
24	4829.30	203.00	4.631E-07	4.695E-07	3.707E-07	1.583E-09
25	2414.60	225.00	3.029E-06	3.055E-06	2.586E-06	6.422E-09
26	3058.50	225.00	2.121E-06	2.145E-06	1.777E-06	4.381E-09
27	2092.70	248.00	1.149E-05	1.159E-05	9.904E-06	1.488E-08
28	2092.70	248.00	1.149E-05	1.159E-05	9.904E-06	1.488E-08
29	1931.70	270.00	5.902E-06	5.958E-06	5.118E-06	7.541E-09
30	1931.70	270.00	5.902E-06	5.958E-06	5.118E-06	7.541E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
31	8048.80	270.00	5.282E-07	5.485E-07	4.025E-07	4.355E-10
32	1287.80	293.00	7.082E-06	7.134E-06	6.303E-06	1.115E-08
33	2092.70	293.00	3.221E-06	3.256E-06	2.781E-06	4.598E-09
34	1287.80	315.00	6.064E-06	6.105E-06	5.395E-06	1.336E-08
35	2897.60	315.00	1.690E-06	1.713E-06	1.425E-06	3.186E-09
36	2897.60	315.00	1.690E-06	1.713E-06	1.425E-06	3.186E-09
37	965.80	338.00	4.996E-06	5.017E-06	4.524E-06	1.376E-08
38	6439.00	338.00	2.795E-07	2.867E-07	2.175E-07	5.097E-10
39	6761.00	338.00	2.616E-07	2.686E-07	2.025E-07	4.683E-10
40	1126.30	45.00	4.389E-06	4.402E-06	3.930E-06	2.702E-08
41	804.90	248.00	4.048E-05	4.060E-05	3.708E-05	5.968E-08
42	949.00	0.00	5.553E-06	5.574E-06	5.033E-06	1.750E-08
43	1255.00	23.00	3.861E-06	3.877E-06	3.434E-06	1.506E-08
44	933.00	45.00	5.664E-06	5.677E-06	5.134E-06	3.642E-08
45	788.00	68.00	3.273E-06	3.277E-06	2.999E-06	3.150E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
46	772.00	90.00	1.800E-06	1.803E-06	1.652E-06	1.581E-08

NO.	(M)	(DEG.TO)	2.26 DAY DEC (SEC/M3)	X/Q (SEC/M3)	8 DAY DEC (SEC/M3)	D/Q (1/M2)

47	804.00	113.00	1.128E-06	1.129E-06	1.032E-06	9.262E-09
48	6600.00	113.00	2.752E-08	2.783E-08	2.113E-08	1.584E-10
49	6761.00	113.00	2.607E-08	2.638E-08	1.996E-08	1.491E-10
50	692.00	135.00	2.391E-06	2.393E-06	2.209E-06	1.965E-08
51	660.00	158.00	3.139E-06	3.142E-06	2.910E-06	2.880E-08
52	611.00	180.00	6.704E-06	6.711E-06	6.248E-06	4.662E-08
53	628.00	203.00	1.071E-05	1.072E-05	9.962E-06	5.409E-08
54	5634.00	203.00	3.253E-07	3.304E-07	2.558E-07	1.052E-09
55	6117.00	203.00	2.770E-07	2.818E-07	2.157E-07	8.692E-10
56	981.00	225.00	1.128E-05	1.132E-05	1.020E-05	2.861E-08
57	1963.00	248.00	1.268E-05	1.278E-05	1.097E-05	1.656E-08
58	1657.00	270.00	7.614E-06	7.679E-06	6.668E-06	9.996E-09
59	981.00	293.00	1.036E-05	1.042E-05	9.379E-06	1.723E-08
60	1062.00	315.00	7.402E-06	7.442E-06	6.665E-06	1.701E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
61	949.00	338.00	5.121E-06	5.141E-06	4.642E-06	1.416E-08
62	1376.00	68.00	1.498E-06	1.502E-06	1.323E-06	1.286E-08
63	1283.00	90.00	8.456E-07	8.480E-07	7.504E-07	6.677E-09
64	549.00	0.00	1.229E-05	1.230E-05	1.154E-05	4.427E-08
65	549.00	23.00	1.087E-05	1.088E-05	1.020E-05	5.213E-08
66	549.00	45.00	1.177E-05	1.177E-05	1.104E-05	8.557E-08
67	549.00	68.00	5.595E-06	5.597E-06	5.250E-06	5.801E-08
68	549.00	90.00	2.982E-06	2.983E-06	2.798E-06	2.811E-08
69	549.00	113.00	2.161E-06	2.162E-06	2.028E-06	1.918E-08
70	549.00	135.00	3.390E-06	3.391E-06	3.181E-06	2.938E-08
71	549.00	158.00	4.004E-06	4.006E-06	3.758E-06	3.816E-08
72	549.00	180.00	7.742E-06	7.746E-06	7.265E-06	5.513E-08
73	549.00	203.00	1.316E-05	1.317E-05	1.235E-05	6.847E-08
74	549.00	225.00	2.492E-05	2.495E-05	2.340E-05	7.097E-08
75	549.00	247.00	6.801E-05	6.808E-05	6.384E-05	1.056E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
76	549.00	270.00	4.218E-05	4.222E-05	3.960E-05	6.733E-08
77	549.00	293.00	2.373E-05	2.376E-05	2.228E-05	4.434E-08
78	549.00	315.00	1.957E-05	1.959E-05	1.838E-05	5.202E-08
79	549.00	338.00	1.031E-05	1.032E-05	9.680E-06	3.225E-08
80	4990.00	203.00	4.307E-07	4.368E-07	3.434E-07	1.455E-09
81	183.00	0.00	6.256E-05	6.226E-05	6.301E-05	2.946E-07
82	457.00	0.00	1.615E-05	1.615E-05	1.534E-05	6.086E-08
83	4425.00	0.00	6.035E-07	6.132E-07	4.892E-07	1.408E-09
84	4425.00	23.00	6.290E-07	6.371E-07	5.087E-07	1.972E-09
85	183.00	45.00	5.695E-05	5.677E-05	5.743E-05	5.342E-07
86	4425.00	45.00	6.014E-07	6.077E-07	4.855E-07	2.958E-09
87	183.00	68.00	2.882E-05	2.875E-05	2.908E-05	3.745E-07
88	4425.00	68.00	2.712E-07	2.734E-07	2.186E-07	2.011E-09
89	183.00	90.00	1.530E-05	1.526E-05	1.543E-05	1.815E-07
90	4425.00	90.00	1.097E-07	1.107E-07	8.845E-08	7.381E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
91	183.00	113.00	1.247E-05	1.244E-05	1.258E-05	1.383E-07
92	4425.00	113.00	6.272E-08	6.319E-08	5.053E-08	4.029E-10
93	183.00	135.00	1.750E-05	1.746E-05	1.766E-05	1.951E-07
94	4425.00	135.00	1.261E-07	1.271E-07	1.016E-07	7.632E-10
95	183.00	158.00	1.852E-05	1.848E-05	1.869E-05	2.215E-07
96	4425.00	158.00	1.567E-07	1.579E-07	1.262E-07	1.081E-09
97	183.00	180.00	3.603E-05	3.592E-05	3.633E-05	3.274E-07

93 183.00 158.00 1.852E-05 1.848E-05 1.869E-05 2.215E-07
96 4425.00 158.00 1.567E-07 1.579E-07 1.262E-07 1.081E-09

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98	4425.00	180.00	3.091E-07	3.125E-07	2.497E-07	1.520E-09
99	183.00	203.00	6.918E-05	6.893E-05	6.973E-05	4.595E-07
100	4425.00	203.00	5.593E-07	5.663E-07	4.522E-07	1.972E-09
101	183.00	225.00	1.274E-04	1.268E-04	1.283E-04	4.516E-07
102	4425.00	225.00	1.171E-06	1.190E-06	9.493E-07	2.248E-09
103	183.00	247.00	3.353E-04	3.336E-04	3.376E-04	6.045E-07
104	4425.00	247.00	3.976E-06	4.044E-06	3.225E-06	4.373E-09
105	183.00	270.00	2.196E-04	2.182E-04	2.209E-04	4.258E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
106	4425.00	270.00	1.547E-06	1.579E-06	1.258E-06	1.677E-09
107	183.00	293.00	1.229E-04	1.221E-04	1.236E-04	2.865E-07
108	4425.00	293.00	9.754E-07	9.972E-07	7.941E-07	1.228E-09
109	183.00	315.00	1.002E-04	9.954E-05	1.008E-04	3.392E-07
110	4425.00	315.00	8.605E-07	8.780E-07	6.996E-07	1.514E-09
111	183.00	338.00	4.459E-05	4.435E-05	4.490E-05	1.785E-07
112	4425.00	338.00	5.441E-07	5.537E-07	4.415E-07	1.140E-09
113	22536.00	203.00	2.556E-08	2.731E-08	1.698E-08	5.615E-11
114	2736.50	248.00	7.810E-06	7.893E-06	6.603E-06	9.703E-09
115	804.00	90.00	1.696E-06	1.698E-06	1.552E-06	1.476E-08
116	3703.40	23.00	8.401E-07	8.492E-07	6.915E-07	2.728E-09
117	3863.40	68.00	3.341E-07	3.365E-07	2.733E-07	2.547E-09
118	2253.60	90.00	3.269E-07	3.284E-07	2.795E-07	2.295E-09
119	4829.30	203.00	4.631E-07	4.695E-07	3.707E-07	1.583E-09
120	5634.00	203.00	3.253E-07	3.304E-07	2.558E-07	1.052E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
121	2897.50	315.00	1.691E-06	1.713E-06	1.425E-06	3.186E-09
122	2897.60	90.00	2.200E-07	2.213E-07	1.844E-07	1.522E-09
123	2735.30	247.00	7.815E-06	7.898E-06	6.607E-06	9.709E-09
124	4827.00	0.00	5.124E-07	5.215E-07	4.113E-07	1.158E-09
125	4827.00	23.00	5.336E-07	5.411E-07	4.273E-07	1.627E-09
126	4827.00	45.00	5.158E-07	5.217E-07	4.122E-07	2.468E-09
127	4827.00	68.00	2.357E-07	2.378E-07	1.880E-07	1.704E-09
128	4827.00	90.00	9.281E-08	9.372E-08	7.408E-08	6.093E-10
129	4827.00	113.00	5.283E-08	5.327E-08	4.213E-08	3.314E-10
130	4827.00	135.00	1.028E-07	1.036E-07	8.197E-08	6.081E-10
131	4827.00	158.00	1.307E-07	1.318E-07	1.042E-07	8.808E-10
132	4827.00	180.00	2.568E-07	2.598E-07	2.053E-07	1.229E-09
133	4827.00	203.00	4.636E-07	4.699E-07	3.711E-07	1.584E-09
134	4827.00	225.00	9.932E-07	1.011E-06	7.973E-07	1.834E-09
135	4827.00	247.00	3.396E-06	3.459E-06	2.728E-06	3.554E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
136	4827.00	270.00	1.311E-06	1.340E-06	1.056E-06	1.359E-09
137	4827.00	293.00	8.324E-07	8.527E-07	6.713E-07	1.008E-09
138	4827.00	315.00	7.416E-07	7.581E-07	5.972E-07	1.259E-09
139	4827.00	338.00	4.590E-07	4.679E-07	3.689E-07	9.318E-10

xqintout00.txt

DATES OF LAST X/Q ACCUMULATION ARE FROM 01/01/00 01:00 TO 01/01/01 00:00

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
1	2092.70	0.00	2.098E-06	2.114E-06	1.807E-06	5.313E-09
2	5151.20	0.00	5.531E-07	5.633E-07	4.406E-07	1.195E-09
3	1609.70	23.00	3.177E-06	3.194E-06	2.781E-06	1.041E-08
4	3702.40	23.00	9.412E-07	9.517E-07	7.750E-07	2.735E-09
5	1448.80	45.00	2.879E-06	2.889E-06	2.535E-06	1.711E-08
6	4346.20	45.00	5.704E-07	5.763E-07	4.615E-07	2.963E-09
7	3380.50	68.00	3.638E-07	3.662E-07	3.010E-07	2.710E-09
8	3860.40	68.00	3.020E-07	3.042E-07	2.471E-07	2.260E-09
9	2253.70	90.00	3.402E-07	3.419E-07	2.910E-07	2.167E-09
10	2897.60	90.00	2.287E-07	2.302E-07	1.918E-07	1.437E-09
11	7243.90	90.00	4.699E-08	4.779E-08	3.580E-08	2.508E-10
12	804.90	113.00	1.560E-06	1.563E-06	1.428E-06	1.231E-08
13	4024.40	113.00	1.034E-07	1.042E-07	8.432E-08	6.615E-10
14	4346.30	113.00	8.904E-08	8.980E-08	7.195E-08	5.583E-10
15	804.90	135.00	2.064E-06	2.066E-06	1.888E-06	1.694E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
16	965.90	135.00	1.580E-06	1.583E-06	1.428E-06	1.246E-08
17	4185.40	135.00	1.529E-07	1.540E-07	1.240E-07	9.861E-10
18	965.90	158.00	2.436E-06	2.440E-06	2.202E-06	1.935E-08
19	2413.50	158.00	5.562E-07	5.586E-07	4.733E-07	3.651E-09
20	1609.80	180.00	1.548E-06	1.555E-06	1.354E-06	8.289E-09
21	1770.70	180.00	1.330E-06	1.335E-06	1.156E-06	6.971E-09
22	1448.80	203.00	3.669E-06	3.688E-06	3.235E-06	1.220E-08
23	1931.70	203.00	2.356E-06	2.371E-06	2.039E-06	7.341E-09
24	4829.30	203.00	5.280E-07	5.362E-07	4.232E-07	1.432E-09
25	2414.60	225.00	3.300E-06	3.330E-06	2.818E-06	6.514E-09
26	3058.50	225.00	2.305E-06	2.333E-06	1.932E-06	4.444E-09
27	2092.70	248.00	1.119E-05	1.129E-05	9.648E-06	1.485E-08
28	2092.70	248.00	1.119E-05	1.129E-05	9.648E-06	1.485E-08
29	1931.70	270.00	5.865E-06	5.923E-06	5.088E-06	7.766E-09
30	1931.70	270.00	5.865E-06	5.923E-06	5.088E-06	7.766E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
31	8048.80	270.00	5.149E-07	5.354E-07	3.928E-07	4.485E-10
32	1287.80	293.00	5.641E-06	5.682E-06	5.020E-06	1.004E-08
33	2092.70	293.00	2.579E-06	2.606E-06	2.226E-06	4.142E-09
34	1287.80	315.00	6.849E-06	6.898E-06	6.095E-06	1.319E-08
35	2897.60	315.00	1.906E-06	1.933E-06	1.607E-06	3.147E-09
36	2897.60	315.00	1.906E-06	1.933E-06	1.607E-06	3.147E-09
37	965.80	338.00	5.818E-06	5.844E-06	5.269E-06	1.374E-08
38	6439.00	338.00	3.270E-07	3.362E-07	2.549E-07	5.089E-10
39	6761.00	338.00	3.058E-07	3.148E-07	2.371E-07	4.676E-10
40	1126.30	45.00	4.161E-06	4.174E-06	3.726E-06	2.608E-08
41	804.90	248.00	3.866E-05	3.879E-05	3.542E-05	5.957E-08
42	949.00	0.00	6.801E-06	6.826E-06	6.163E-06	2.095E-08
43	1255.00	23.00	4.334E-06	4.353E-06	3.856E-06	1.509E-08
44	933.00	45.00	5.392E-06	5.405E-06	4.888E-06	3.515E-08
45	788.00	68.00	3.072E-06	3.077E-06	2.815E-06	2.793E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
46	772.00	90.00	1.897E-06	1.900E-06	1.741E-06	1.493E-08

NO. (M) (DEG.TO) 2.26 DAY DEC (SEC/M3) X/Q (SEC/M3) 8 DAY DEC (SEC/M3) D/Q (1/M2)

47	804.00	113.00	1.563E-06	1.566E-06	1.431E-06	1.233E-08
48	6600.00	113.00	3.747E-08	3.797E-08	2.881E-08	2.109E-10
49	6761.00	113.00	3.548E-08	3.597E-08	2.721E-08	1.985E-10
50	692.00	135.00	2.598E-06	2.601E-06	2.401E-06	2.204E-08
51	660.00	158.00	4.089E-06	4.093E-06	3.791E-06	3.518E-08
52	611.00	180.00	6.203E-06	6.208E-06	5.781E-06	4.105E-08
53	628.00	203.00	1.221E-05	1.222E-05	1.136E-05	4.895E-08
54	5634.00	203.00	3.703E-07	3.770E-07	2.917E-07	9.522E-10
55	6117.00	203.00	3.149E-07	3.211E-07	2.457E-07	7.866E-10
56	981.00	225.00	1.235E-05	1.240E-05	1.117E-05	2.902E-08
57	1963.00	248.00	1.234E-05	1.244E-05	1.068E-05	1.653E-08
58	1657.00	270.00	7.550E-06	7.616E-06	6.612E-06	1.029E-08
59	981.00	293.00	8.228E-06	8.272E-06	7.449E-06	1.552E-08
60	1062.00	315.00	8.355E-06	8.402E-06	7.525E-06	1.680E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
61	949.00	338.00	5.961E-06	5.987E-06	5.405E-06	1.414E-08
62	1376.00	68.00	1.392E-06	1.396E-06	1.230E-06	1.140E-08
63	1283.00	90.00	8.857E-07	8.886E-07	7.862E-07	6.305E-09
64	549.00	0.00	1.502E-05	1.504E-05	1.410E-05	5.299E-08
65	549.00	23.00	1.226E-05	1.227E-05	1.151E-05	5.224E-08
66	549.00	45.00	1.134E-05	1.135E-05	1.064E-05	8.259E-08
67	549.00	68.00	5.286E-06	5.288E-06	4.960E-06	5.143E-08
68	549.00	90.00	3.154E-06	3.155E-06	2.960E-06	2.655E-08
69	549.00	113.00	3.000E-06	3.001E-06	2.815E-06	2.553E-08
70	549.00	135.00	3.693E-06	3.694E-06	3.465E-06	3.296E-08
71	549.00	158.00	5.215E-06	5.217E-06	4.894E-06	4.662E-08
72	549.00	180.00	7.165E-06	7.169E-06	6.724E-06	4.854E-08
73	549.00	203.00	1.500E-05	1.501E-05	1.407E-05	6.196E-08
74	549.00	225.00	2.737E-05	2.739E-05	2.569E-05	7.199E-08
75	549.00	247.00	6.445E-05	6.451E-05	6.050E-05	1.054E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
76	549.00	270.00	4.113E-05	4.118E-05	3.862E-05	6.934E-08
77	549.00	293.00	1.873E-05	1.875E-05	1.759E-05	3.995E-08
78	549.00	315.00	2.205E-05	2.207E-05	2.070E-05	5.138E-08
79	549.00	338.00	1.192E-05	1.193E-05	1.119E-05	3.220E-08
80	4990.00	203.00	4.908E-07	4.988E-07	3.920E-07	1.316E-09
81	183.00	0.00	7.619E-05	7.582E-05	7.673E-05	3.527E-07
82	457.00	0.00	1.974E-05	1.973E-05	1.874E-05	7.285E-08
83	4425.00	0.00	7.387E-07	7.505E-07	5.987E-07	1.685E-09
84	4425.00	23.00	7.053E-07	7.147E-07	5.705E-07	1.977E-09
85	183.00	45.00	5.627E-05	5.609E-05	5.674E-05	5.157E-07
86	4425.00	45.00	5.525E-07	5.583E-07	4.460E-07	2.855E-09
87	183.00	68.00	2.776E-05	2.769E-05	2.801E-05	3.320E-07
88	4425.00	68.00	2.435E-07	2.455E-07	1.963E-07	1.782E-09
89	183.00	90.00	1.639E-05	1.634E-05	1.653E-05	1.714E-07
90	4425.00	90.00	1.139E-07	1.151E-07	9.194E-08	6.970E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
91	183.00	113.00	1.738E-05	1.733E-05	1.753E-05	1.841E-07
92	4425.00	113.00	8.596E-08	8.671E-08	6.931E-08	5.364E-10
93	183.00	135.00	1.927E-05	1.922E-05	1.944E-05	2.189E-07
94	4425.00	135.00	1.347E-07	1.357E-07	1.085E-07	8.563E-10
95	183.00	158.00	2.407E-05	2.401E-05	2.429E-05	2.706E-07
96	4425.00	158.00	2.050E-07	2.066E-07	1.652E-07	1.320E-09
97	183.00	180.00	3.346E-05	3.336E-05	3.374E-05	2.882E-07

95 183.00 158.00 2.407E-05 2.401E-05 2.429E-05 2.706E-07
96 4425.00 158.00 2.050E-07 2.066E-07 1.652E-07 1.320E-09

98	4425.00	180.00	2.821E-07	2.849E-07	2.277E-07	1.339E-09
99	183.00	203.00	7.866E-05	7.833E-05	7.926E-05	4.158E-07
100	4425.00	203.00	6.381E-07	6.472E-07	5.166E-07	1.784E-09
101	183.00	225.00	1.407E-04	1.400E-04	1.417E-04	4.580E-07
102	4425.00	225.00	1.267E-06	1.289E-06	1.028E-06	2.280E-09
103	183.00	247.00	3.107E-04	3.090E-04	3.128E-04	6.034E-07
104	4425.00	247.00	3.858E-06	3.925E-06	3.130E-06	4.365E-09
105	183.00	270.00	2.106E-04	2.093E-04	2.119E-04	4.385E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
106	4425.00	270.00	1.531E-06	1.564E-06	1.246E-06	1.727E-09
107	183.00	293.00	9.590E-05	9.526E-05	9.646E-05	2.581E-07
108	4425.00	293.00	7.697E-07	7.867E-07	6.265E-07	1.106E-09
109	183.00	315.00	1.124E-04	1.117E-04	1.131E-04	3.350E-07
110	4425.00	315.00	9.604E-07	9.811E-07	7.814E-07	1.495E-09
111	183.00	338.00	5.080E-05	5.051E-05	5.113E-05	1.782E-07
112	4425.00	338.00	6.399E-07	6.522E-07	5.198E-07	1.139E-09
113	22536.00	203.00	2.834E-08	3.057E-08	1.895E-08	5.081E-11
114	2736.50	248.00	7.622E-06	7.706E-06	6.445E-06	9.685E-09
115	804.00	90.00	1.786E-06	1.789E-06	1.634E-06	1.394E-08
116	3703.40	23.00	9.409E-07	9.514E-07	7.747E-07	2.734E-09
117	3863.40	68.00	3.017E-07	3.039E-07	2.468E-07	2.258E-09
118	2253.60	90.00	3.402E-07	3.419E-07	2.910E-07	2.167E-09
119	4829.30	203.00	5.280E-07	5.362E-07	4.232E-07	1.432E-09
120	5634.00	203.00	3.703E-07	3.770E-07	2.917E-07	9.522E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
121	2897.50	315.00	1.906E-06	1.933E-06	1.607E-06	3.147E-09
122	2897.60	90.00	2.287E-07	2.302E-07	1.918E-07	1.437E-09
123	2735.30	247.00	7.627E-06	7.710E-06	6.449E-06	9.691E-09
124	4827.00	0.00	6.268E-07	6.377E-07	5.030E-07	1.386E-09
125	4827.00	23.00	5.988E-07	6.075E-07	4.796E-07	1.630E-09
126	4827.00	45.00	4.730E-07	4.784E-07	3.780E-07	2.382E-09
127	4827.00	68.00	2.108E-07	2.127E-07	1.682E-07	1.510E-09
128	4827.00	90.00	9.637E-08	9.745E-08	7.700E-08	5.754E-10
129	4827.00	113.00	7.233E-08	7.303E-08	5.773E-08	4.413E-10
130	4827.00	135.00	1.097E-07	1.106E-07	8.748E-08	6.823E-10
131	4827.00	158.00	1.710E-07	1.726E-07	1.364E-07	1.076E-09
132	4827.00	180.00	2.338E-07	2.364E-07	1.868E-07	1.082E-09
133	4827.00	203.00	5.285E-07	5.368E-07	4.236E-07	1.434E-09
134	4827.00	225.00	1.074E-06	1.094E-06	8.627E-07	1.860E-09
135	4827.00	247.00	3.286E-06	3.349E-06	2.641E-06	3.547E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
136	4827.00	270.00	1.294E-06	1.324E-06	1.043E-06	1.400E-09
137	4827.00	293.00	6.543E-07	6.701E-07	5.276E-07	9.082E-10
138	4827.00	315.00	8.255E-07	8.450E-07	6.654E-07	1.244E-09
139	4827.00	338.00	5.393E-07	5.506E-07	4.339E-07	9.303E-10

xqintout01.txt

DATES OF LAST X/Q ACCUMULATION ARE FROM 01/01/01 01:00 TO 01/01/02 00:00

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
1	2092.70	0.00	2.224E-06	2.242E-06	1.916E-06	5.619E-09
2	5151.20	0.00	5.841E-07	5.954E-07	4.656E-07	1.264E-09
3	1609.70	23.00	3.056E-06	3.073E-06	2.676E-06	1.048E-08
4	3702.40	23.00	9.061E-07	9.165E-07	7.462E-07	2.751E-09
5	1448.80	45.00	2.988E-06	3.000E-06	2.632E-06	1.818E-08
6	4346.20	45.00	5.943E-07	6.005E-07	4.809E-07	3.148E-09
7	3380.50	68.00	3.497E-07	3.521E-07	2.894E-07	2.754E-09
8	3860.40	68.00	2.908E-07	2.930E-07	2.379E-07	2.297E-09
9	2253.70	90.00	2.697E-07	2.708E-07	2.306E-07	1.846E-09
10	2897.60	90.00	1.805E-07	1.815E-07	1.513E-07	1.225E-09
11	7243.90	90.00	3.644E-08	3.695E-08	2.770E-08	2.137E-10
12	804.90	113.00	1.164E-06	1.166E-06	1.065E-06	8.670E-09
13	4024.40	113.00	7.795E-08	7.859E-08	6.357E-08	4.660E-10
14	4346.30	113.00	6.705E-08	6.765E-08	5.419E-08	3.933E-10
15	804.90	135.00	2.281E-06	2.284E-06	2.087E-06	1.820E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
16	965.90	135.00	1.740E-06	1.743E-06	1.573E-06	1.339E-08
17	4185.40	135.00	1.651E-07	1.664E-07	1.340E-07	1.060E-09
18	965.90	158.00	2.292E-06	2.297E-06	2.072E-06	1.682E-08
19	2413.50	158.00	5.246E-07	5.271E-07	4.466E-07	3.173E-09
20	1609.80	180.00	1.507E-06	1.513E-06	1.318E-06	7.879E-09
21	1770.70	180.00	1.293E-06	1.299E-06	1.124E-06	6.626E-09
22	1448.80	203.00	3.048E-06	3.064E-06	2.687E-06	1.053E-08
23	1931.70	203.00	1.964E-06	1.976E-06	1.699E-06	6.340E-09
24	4829.30	203.00	4.394E-07	4.460E-07	3.520E-07	1.237E-09
25	2414.60	225.00	2.855E-06	2.882E-06	2.438E-06	5.002E-09
26	3058.50	225.00	2.003E-06	2.027E-06	1.679E-06	3.413E-09
27	2092.70	248.00	1.233E-05	1.243E-05	1.063E-05	1.565E-08
28	2092.70	248.00	1.233E-05	1.243E-05	1.063E-05	1.565E-08
29	1931.70	270.00	6.879E-06	6.948E-06	5.968E-06	8.465E-09
30	1931.70	270.00	6.879E-06	6.948E-06	5.968E-06	8.465E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
31	8048.80	270.00	6.106E-07	6.352E-07	4.659E-07	4.889E-10
32	1287.80	293.00	7.434E-06	7.491E-06	6.618E-06	1.161E-08
33	2092.70	293.00	3.427E-06	3.467E-06	2.960E-06	4.790E-09
34	1287.80	315.00	7.158E-06	7.208E-06	6.369E-06	1.523E-08
35	2897.60	315.00	2.005E-06	2.033E-06	1.690E-06	3.632E-09
36	2897.60	315.00	2.005E-06	2.033E-06	1.690E-06	3.632E-09
37	965.80	338.00	6.867E-06	6.897E-06	6.219E-06	1.748E-08
38	6439.00	338.00	3.911E-07	4.020E-07	3.048E-07	6.475E-10
39	6761.00	338.00	3.657E-07	3.764E-07	2.835E-07	5.950E-10
40	1126.30	45.00	4.326E-06	4.339E-06	3.874E-06	2.771E-08
41	804.90	248.00	4.279E-05	4.293E-05	3.921E-05	6.275E-08
42	949.00	0.00	7.239E-06	7.267E-06	6.561E-06	2.216E-08
43	1255.00	23.00	4.163E-06	4.181E-06	3.704E-06	1.519E-08
44	933.00	45.00	5.612E-06	5.625E-06	5.087E-06	3.735E-08
45	788.00	68.00	2.977E-06	2.981E-06	2.728E-06	2.838E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
46	772.00	90.00	1.507E-06	1.509E-06	1.383E-06	1.272E-08

NO. (M) (DEG.TO) 2.26 DAY DEC (SEC/M3) X/Q (SEC/M3) 8 DAY DEC (SEC/M3) D/Q (1/M2)

47	804.00	113.00	1.166E-06	1.168E-06	1.067E-06	8.687E-09
48	6600.00	113.00	2.816E-08	2.855E-08	2.166E-08	1.486E-10
49	6761.00	113.00	2.668E-08	2.705E-08	2.046E-08	1.399E-10
50	692.00	135.00	2.881E-06	2.885E-06	2.663E-06	2.369E-08
51	660.00	158.00	3.844E-06	3.848E-06	3.564E-06	3.057E-08
52	611.00	180.00	6.061E-06	6.066E-06	5.648E-06	3.902E-08
53	628.00	203.00	1.005E-05	1.006E-05	9.346E-06	4.227E-08
54	5634.00	203.00	3.075E-07	3.129E-07	2.421E-07	8.223E-10
55	6117.00	203.00	2.614E-07	2.664E-07	2.038E-07	6.793E-10
56	981.00	225.00	1.061E-05	1.066E-05	9.599E-06	2.228E-08
57	1963.00	248.00	1.359E-05	1.370E-05	1.176E-05	1.741E-08
58	1657.00	270.00	8.856E-06	8.935E-06	7.757E-06	1.122E-08
59	981.00	293.00	1.079E-05	1.085E-05	9.773E-06	1.794E-08
60	1062.00	315.00	8.715E-06	8.764E-06	7.849E-06	1.939E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
61	949.00	338.00	7.035E-06	7.066E-06	6.379E-06	1.799E-08
62	1376.00	68.00	1.341E-06	1.345E-06	1.185E-06	1.158E-08
63	1283.00	90.00	7.030E-07	7.049E-07	6.238E-07	5.373E-09
64	549.00	0.00	1.604E-05	1.605E-05	1.505E-05	5.605E-08
65	549.00	23.00	1.172E-05	1.172E-05	1.100E-05	5.256E-08
66	549.00	45.00	1.184E-05	1.185E-05	1.111E-05	8.776E-08
67	549.00	68.00	5.141E-06	5.143E-06	4.824E-06	5.225E-08
68	549.00	90.00	2.508E-06	2.509E-06	2.353E-06	2.262E-08
69	549.00	113.00	2.228E-06	2.228E-06	2.090E-06	1.799E-08
70	549.00	135.00	4.116E-06	4.117E-06	3.862E-06	3.543E-08
71	549.00	158.00	4.899E-06	4.902E-06	4.598E-06	4.051E-08
72	549.00	180.00	7.004E-06	7.008E-06	6.573E-06	4.614E-08
73	549.00	203.00	1.232E-05	1.233E-05	1.156E-05	5.351E-08
74	549.00	225.00	2.342E-05	2.344E-05	2.199E-05	5.528E-08
75	549.00	247.00	7.148E-05	7.155E-05	6.710E-05	1.111E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
76	549.00	270.00	4.829E-05	4.834E-05	4.534E-05	7.559E-08
77	549.00	293.00	2.432E-05	2.435E-05	2.283E-05	4.619E-08
78	549.00	315.00	2.285E-05	2.288E-05	2.146E-05	5.931E-08
79	549.00	338.00	1.400E-05	1.401E-05	1.314E-05	4.097E-08
80	4990.00	203.00	4.083E-07	4.147E-07	3.259E-07	1.137E-09
81	183.00	0.00	8.176E-05	8.135E-05	8.234E-05	3.730E-07
82	457.00	0.00	2.108E-05	2.108E-05	2.002E-05	7.705E-08
83	4425.00	0.00	7.807E-07	7.936E-07	6.329E-07	1.782E-09
84	4425.00	23.00	6.780E-07	6.874E-07	5.487E-07	1.989E-09
85	183.00	45.00	5.911E-05	5.892E-05	5.960E-05	5.479E-07
86	4425.00	45.00	5.758E-07	5.820E-07	4.649E-07	3.033E-09
87	183.00	68.00	2.731E-05	2.724E-05	2.755E-05	3.374E-07
88	4425.00	68.00	2.349E-07	2.370E-07	1.894E-07	1.811E-09
89	183.00	90.00	1.306E-05	1.303E-05	1.318E-05	1.460E-07
90	4425.00	90.00	8.901E-08	8.977E-08	7.176E-08	5.940E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
91	183.00	113.00	1.273E-05	1.269E-05	1.283E-05	1.297E-07
92	4425.00	113.00	6.471E-08	6.530E-08	5.219E-08	3.779E-10
93	183.00	135.00	2.199E-05	2.193E-05	2.218E-05	2.352E-07
94	4425.00	135.00	1.455E-07	1.467E-07	1.173E-07	9.204E-10
95	183.00	158.00	2.255E-05	2.249E-05	2.275E-05	2.352E-07
96	4425.00	158.00	1.952E-07	1.970E-07	1.574E-07	1.147E-09
97	183.00	180.00	3.286E-05	3.275E-05	3.313E-05	2.740E-07

95 183.00 158.00 2.255E-05 2.249E-05 2.275E-05 2.352E-07
96 4425.00 158.00 1.952E-07 1.970E-07 1.574E-07 1.147E-09

98	4425.00	180.00	2.746E-07	2.775E-07	2.217E-07	1.272E-09
99	183.00	203.00	6.381E-05	6.355E-05	6.430E-05	3.591E-07
100	4425.00	203.00	5.317E-07	5.391E-07	4.303E-07	1.541E-09
101	183.00	225.00	1.195E-04	1.188E-04	1.203E-04	3.517E-07
102	4425.00	225.00	1.108E-06	1.127E-06	8.989E-07	1.751E-09
103	183.00	247.00	3.466E-04	3.447E-04	3.489E-04	6.356E-07
104	4425.00	247.00	4.261E-06	4.337E-06	3.458E-06	4.599E-09
105	183.00	270.00	2.475E-04	2.458E-04	2.489E-04	4.780E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
106	4425.00	270.00	1.804E-06	1.843E-06	1.468E-06	1.882E-09
107	183.00	293.00	1.221E-04	1.213E-04	1.228E-04	2.985E-07
108	4425.00	293.00	1.038E-06	1.062E-06	8.455E-07	1.279E-09
109	183.00	315.00	1.153E-04	1.146E-04	1.160E-04	3.867E-07
110	4425.00	315.00	1.011E-06	1.032E-06	8.223E-07	1.726E-09
111	183.00	338.00	5.910E-05	5.876E-05	5.949E-05	2.268E-07
112	4425.00	338.00	7.654E-07	7.801E-07	6.217E-07	1.449E-09
113	22536.00	203.00	2.344E-08	2.519E-08	1.564E-08	4.388E-11
114	2736.50	248.00	8.393E-06	8.487E-06	7.099E-06	1.020E-08
115	804.00	90.00	1.419E-06	1.421E-06	1.298E-06	1.188E-08
116	3703.40	23.00	9.057E-07	9.162E-07	7.459E-07	2.750E-09
117	3863.40	68.00	2.904E-07	2.926E-07	2.376E-07	2.294E-09
118	2253.60	90.00	2.697E-07	2.708E-07	2.306E-07	1.847E-09
119	4829.30	203.00	4.394E-07	4.460E-07	3.520E-07	1.237E-09
120	5634.00	203.00	3.075E-07	3.129E-07	2.421E-07	8.223E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
121	2897.50	315.00	2.005E-06	2.033E-06	1.690E-06	3.633E-09
122	2897.60	90.00	1.805E-07	1.815E-07	1.513E-07	1.225E-09
123	2735.30	247.00	8.398E-06	8.492E-06	7.103E-06	1.021E-08
124	4827.00	0.00	6.622E-07	6.741E-07	5.317E-07	1.466E-09
125	4827.00	23.00	5.752E-07	5.838E-07	4.608E-07	1.640E-09
126	4827.00	45.00	4.938E-07	4.995E-07	3.947E-07	2.532E-09
127	4827.00	68.00	2.037E-07	2.056E-07	1.626E-07	1.535E-09
128	4827.00	90.00	7.514E-08	7.584E-08	5.996E-08	4.903E-10
129	4827.00	113.00	5.439E-08	5.493E-08	4.342E-08	3.109E-10
130	4827.00	135.00	1.187E-07	1.198E-07	9.469E-08	7.333E-10
131	4827.00	158.00	1.631E-07	1.647E-07	1.302E-07	9.350E-10
132	4827.00	180.00	2.279E-07	2.305E-07	1.821E-07	1.029E-09
133	4827.00	203.00	4.398E-07	4.465E-07	3.524E-07	1.238E-09
134	4827.00	225.00	9.398E-07	9.579E-07	7.552E-07	1.428E-09
135	4827.00	247.00	3.633E-06	3.704E-06	2.920E-06	3.737E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
136	4827.00	270.00	1.526E-06	1.562E-06	1.230E-06	1.526E-09
137	4827.00	293.00	8.831E-07	9.058E-07	7.129E-07	1.050E-09
138	4827.00	315.00	8.686E-07	8.887E-07	6.999E-07	1.436E-09
139	4827.00	338.00	6.450E-07	6.585E-07	5.190E-07	1.184E-09

H 15 of 19

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DATES OF LAST X/Q ACCUMULATION ARE FROM 01/01/02 01:00 TO 01/01/03 00:00

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
1	2092.70	0.00	2.043E-06	2.057E-06	1.759E-06	5.789E-09
2	5151.20	0.00	5.420E-07	5.510E-07	4.312E-07	1.302E-09
3	1609.70	23.00	3.245E-06	3.260E-06	2.839E-06	1.290E-08
4	3702.40	23.00	9.609E-07	9.703E-07	7.904E-07	3.388E-09
5	1448.80	45.00	2.773E-06	2.782E-06	2.442E-06	1.988E-08
6	4346.20	45.00	5.452E-07	5.501E-07	4.407E-07	3.442E-09
7	3380.50	68.00	4.148E-07	4.175E-07	3.432E-07	3.051E-09
8	3860.40	68.00	3.452E-07	3.477E-07	2.824E-07	2.544E-09
9	2253.70	90.00	3.530E-07	3.545E-07	3.018E-07	2.298E-09
10	2897.60	90.00	2.369E-07	2.381E-07	1.985E-07	1.524E-09
11	7243.90	90.00	4.794E-08	4.857E-08	3.642E-08	2.661E-10
12	804.90	113.00	1.299E-06	1.300E-06	1.188E-06	1.068E-08
13	4024.40	113.00	8.887E-08	8.953E-08	7.244E-08	5.741E-10
14	4346.30	113.00	7.658E-08	7.721E-08	6.186E-08	4.845E-10
15	804.90	135.00	1.668E-06	1.670E-06	1.526E-06	1.461E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
16	965.90	135.00	1.276E-06	1.279E-06	1.154E-06	1.074E-08
17	4185.40	135.00	1.234E-07	1.243E-07	1.001E-07	8.504E-10
18	965.90	158.00	1.951E-06	1.955E-06	1.764E-06	1.602E-08
19	2413.50	158.00	4.442E-07	4.460E-07	3.780E-07	3.022E-09
20	1609.80	180.00	1.444E-06	1.450E-06	1.263E-06	7.632E-09
21	1770.70	180.00	1.241E-06	1.247E-06	1.079E-06	6.419E-09
22	1448.80	203.00	3.714E-06	3.733E-06	3.274E-06	1.281E-08
23	1931.70	203.00	2.386E-06	2.401E-06	2.065E-06	7.711E-09
24	4829.30	203.00	5.402E-07	5.486E-07	4.329E-07	1.504E-09
25	2414.60	225.00	3.001E-06	3.028E-06	2.562E-06	5.504E-09
26	3058.50	225.00	2.106E-06	2.131E-06	1.764E-06	3.755E-09
27	2092.70	248.00	1.130E-05	1.140E-05	9.739E-06	1.331E-08
28	2092.70	248.00	1.130E-05	1.140E-05	9.739E-06	1.331E-08
29	1931.70	270.00	5.361E-06	5.414E-06	4.650E-06	6.700E-09
30	1931.70	270.00	5.361E-06	5.414E-06	4.650E-06	6.700E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
31	8048.80	270.00	4.783E-07	4.977E-07	3.650E-07	3.869E-10
32	1287.80	293.00	6.952E-06	7.001E-06	6.186E-06	1.124E-08
33	2092.70	293.00	3.173E-06	3.207E-06	2.739E-06	4.634E-09
34	1287.80	315.00	5.878E-06	5.915E-06	5.228E-06	1.277E-08
35	2897.60	315.00	1.633E-06	1.654E-06	1.376E-06	3.046E-09
36	2897.60	315.00	1.633E-06	1.654E-06	1.376E-06	3.046E-09
37	965.80	338.00	6.447E-06	6.473E-06	5.837E-06	1.743E-08
38	6439.00	338.00	3.731E-07	3.823E-07	2.901E-07	6.457E-10
39	6761.00	338.00	3.492E-07	3.582E-07	2.701E-07	5.933E-10
40	1126.30	45.00	4.017E-06	4.028E-06	3.596E-06	3.030E-08
41	804.90	248.00	3.961E-05	3.974E-05	3.629E-05	5.339E-08
42	949.00	0.00	6.584E-06	6.605E-06	5.965E-06	2.283E-08
43	1255.00	23.00	4.425E-06	4.442E-06	3.935E-06	1.870E-08
44	933.00	45.00	5.214E-06	5.224E-06	4.725E-06	4.084E-08
45	788.00	68.00	3.453E-06	3.458E-06	3.164E-06	3.144E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
46	772.00	90.00	1.933E-06	1.935E-06	1.773E-06	1.583E-08

NO.	(M)	(DEG.TO)	2.26 DAY DEC (SEC/M3)	X/Q (SEC/M3)	8 DAY DEC (SEC/M3)	D/Q (1/M2)

47	804.00	113.00	1.301E-06	1.303E-06	1.190E-06	1.070E-08
48	6600.00	113.00	3.244E-08	3.284E-08	2.493E-08	1.830E-10
49	6761.00	113.00	3.074E-08	3.113E-08	2.355E-08	1.723E-10
50	692.00	135.00	2.102E-06	2.104E-06	1.942E-06	1.901E-08
51	660.00	158.00	3.280E-06	3.283E-06	3.041E-06	2.912E-08
52	611.00	180.00	5.700E-06	5.705E-06	5.312E-06	3.779E-08
53	628.00	203.00	1.233E-05	1.235E-05	1.148E-05	5.141E-08
54	5634.00	203.00	3.798E-07	3.866E-07	2.991E-07	1.000E-09
55	6117.00	203.00	3.233E-07	3.296E-07	2.522E-07	8.263E-10
56	981.00	225.00	1.128E-05	1.133E-05	1.021E-05	2.452E-08
57	1963.00	248.00	1.246E-05	1.257E-05	1.079E-05	1.482E-08
58	1657.00	270.00	6.890E-06	6.952E-06	6.035E-06	8.882E-09
59	981.00	293.00	1.015E-05	1.020E-05	9.187E-06	1.736E-08
60	1062.00	315.00	7.180E-06	7.217E-06	6.464E-06	1.626E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
61	949.00	338.00	6.608E-06	6.633E-06	5.989E-06	1.794E-08
62	1376.00	68.00	1.571E-06	1.576E-06	1.388E-06	1.283E-08
63	1283.00	90.00	9.104E-07	9.128E-07	8.078E-07	6.688E-09
64	549.00	0.00	1.448E-05	1.449E-05	1.359E-05	5.774E-08
65	549.00	23.00	1.250E-05	1.250E-05	1.173E-05	6.472E-08
66	549.00	45.00	1.101E-05	1.102E-05	1.033E-05	9.596E-08
67	549.00	68.00	5.925E-06	5.927E-06	5.560E-06	5.789E-08
68	549.00	90.00	3.195E-06	3.196E-06	2.998E-06	2.816E-08
69	549.00	113.00	2.475E-06	2.476E-06	2.323E-06	2.216E-08
70	549.00	135.00	2.990E-06	2.991E-06	2.806E-06	2.843E-08
71	549.00	158.00	4.185E-06	4.187E-06	3.927E-06	3.859E-08
72	549.00	180.00	6.574E-06	6.577E-06	6.169E-06	4.469E-08
73	549.00	203.00	1.515E-05	1.516E-05	1.422E-05	6.508E-08
74	549.00	225.00	2.509E-05	2.511E-05	2.355E-05	6.083E-08
75	549.00	247.00	6.642E-05	6.648E-05	6.235E-05	9.449E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
76	549.00	270.00	3.713E-05	3.718E-05	3.486E-05	5.983E-08
77	549.00	293.00	2.314E-05	2.317E-05	2.173E-05	4.469E-08
78	549.00	315.00	1.904E-05	1.906E-05	1.787E-05	4.974E-08
79	549.00	338.00	1.330E-05	1.331E-05	1.249E-05	4.085E-08
80	4990.00	203.00	5.025E-07	5.105E-07	4.012E-07	1.383E-09
81	183.00	0.00	7.279E-05	7.248E-05	7.334E-05	3.843E-07
82	457.00	0.00	1.899E-05	1.899E-05	1.804E-05	7.937E-08
83	4425.00	0.00	7.236E-07	7.339E-07	5.858E-07	1.836E-09
84	4425.00	23.00	7.196E-07	7.280E-07	5.814E-07	2.449E-09
85	183.00	45.00	5.513E-05	5.497E-05	5.560E-05	5.991E-07
86	4425.00	45.00	5.281E-07	5.329E-07	4.259E-07	3.317E-09
87	183.00	68.00	3.086E-05	3.079E-05	3.114E-05	3.738E-07
88	4425.00	68.00	2.792E-07	2.815E-07	2.250E-07	2.006E-09
89	183.00	90.00	1.630E-05	1.626E-05	1.644E-05	1.818E-07
90	4425.00	90.00	1.170E-07	1.179E-07	9.429E-08	7.393E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
91	183.00	113.00	1.399E-05	1.396E-05	1.412E-05	1.598E-07
92	4425.00	113.00	7.395E-08	7.456E-08	5.961E-08	4.655E-10
93	183.00	135.00	1.567E-05	1.563E-05	1.581E-05	1.887E-07
94	4425.00	135.00	1.088E-07	1.095E-07	8.759E-08	7.385E-10
95	183.00	158.00	1.939E-05	1.935E-05	1.957E-05	2.240E-07
96	4425.00	158.00	1.641E-07	1.653E-07	1.322E-07	1.093E-09
97	183.00	180.00	3.020E-05	3.010E-05	3.045E-05	2.654E-07

95 183.00 158.00 1.939E-05 1.935E-05 1.957E-05 2.240E-07
96 4425.00 158.00 1.641E-07 1.653E-07 1.322E-07 1.093E-09

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98	4425.00	180.00	2.669E-07	2.698E-07	2.155E-07	1.233E-09
99	183.00	203.00	7.926E-05	7.893E-05	7.987E-05	4.368E-07
100	4425.00	203.00	6.521E-07	6.613E-07	5.278E-07	1.874E-09
101	183.00	225.00	1.298E-04	1.291E-04	1.307E-04	3.870E-07
102	4425.00	225.00	1.167E-06	1.187E-06	9.463E-07	1.927E-09
103	183.00	247.00	3.257E-04	3.239E-04	3.279E-04	5.408E-07
104	4425.00	247.00	3.927E-06	3.999E-06	3.188E-06	3.913E-09
105	183.00	270.00	1.881E-04	1.869E-04	1.892E-04	3.783E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
106	4425.00	270.00	1.418E-06	1.449E-06	1.154E-06	1.490E-09
107	183.00	293.00	1.189E-04	1.181E-04	1.196E-04	2.888E-07
108	4425.00	293.00	9.706E-07	9.919E-07	7.899E-07	1.237E-09
109	183.00	315.00	9.783E-05	9.728E-05	9.847E-05	3.243E-07
110	4425.00	315.00	8.299E-07	8.458E-07	6.742E-07	1.447E-09
111	183.00	338.00	5.748E-05	5.719E-05	5.789E-05	2.262E-07
112	4425.00	338.00	7.194E-07	7.315E-07	5.834E-07	1.445E-09
113	22536.00	203.00	2.959E-08	3.189E-08	1.977E-08	5.337E-11
114	2736.50	248.00	7.691E-06	7.778E-06	6.505E-06	8.681E-09
115	804.00	90.00	1.821E-06	1.823E-06	1.666E-06	1.479E-08
116	3703.40	23.00	9.605E-07	9.699E-07	7.901E-07	3.387E-09
117	3863.40	68.00	3.448E-07	3.473E-07	2.821E-07	2.542E-09
118	2253.60	90.00	3.531E-07	3.545E-07	3.018E-07	2.299E-09
119	4829.30	203.00	5.402E-07	5.486E-07	4.329E-07	1.504E-09
120	5634.00	203.00	3.798E-07	3.866E-07	2.991E-07	1.000E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
121	2897.50	315.00	1.633E-06	1.654E-06	1.376E-06	3.046E-09
122	2897.60	90.00	2.369E-07	2.381E-07	1.985E-07	1.524E-09
123	2735.30	247.00	7.695E-06	7.782E-06	6.509E-06	8.687E-09
124	4827.00	0.00	6.141E-07	6.237E-07	4.922E-07	1.510E-09
125	4827.00	23.00	6.107E-07	6.186E-07	4.886E-07	2.019E-09
126	4827.00	45.00	4.519E-07	4.565E-07	3.608E-07	2.768E-09
127	4827.00	68.00	2.422E-07	2.444E-07	1.933E-07	1.700E-09
128	4827.00	90.00	9.877E-08	9.963E-08	7.878E-08	6.103E-10
129	4827.00	113.00	6.228E-08	6.285E-08	4.969E-08	3.830E-10
130	4827.00	135.00	8.866E-08	8.933E-08	7.066E-08	5.884E-10
131	4827.00	158.00	1.369E-07	1.381E-07	1.092E-07	8.906E-10
132	4827.00	180.00	2.215E-07	2.241E-07	1.771E-07	9.963E-10
133	4827.00	203.00	5.408E-07	5.492E-07	4.334E-07	1.506E-09
134	4827.00	225.00	9.912E-07	1.009E-06	7.960E-07	1.572E-09
135	4827.00	247.00	3.354E-06	3.421E-06	2.697E-06	3.180E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
136	4827.00	270.00	1.199E-06	1.228E-06	9.667E-07	1.208E-09
137	4827.00	293.00	8.285E-07	8.484E-07	6.680E-07	1.016E-09
138	4827.00	315.00	7.149E-07	7.299E-07	5.752E-07	1.204E-09
139	4827.00	338.00	6.089E-07	6.201E-07	4.890E-07	1.180E-09

xqintout03.txt

DATES OF LAST X/Q ACCUMULATION ARE FROM 01/01/03 01:00 TO 01/01/04 00:00

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
1	2092.70	0.00	1.874E-06	1.887E-06	1.613E-06	5.199E-09
2	5151.20	0.00	4.886E-07	4.968E-07	3.888E-07	1.170E-09
3	1609.70	23.00	2.833E-06	2.847E-06	2.479E-06	1.062E-08
4	3702.40	23.00	8.388E-07	8.475E-07	6.902E-07	2.790E-09
5	1448.80	45.00	2.554E-06	2.562E-06	2.248E-06	1.740E-08
6	4346.20	45.00	5.036E-07	5.078E-07	4.068E-07	3.013E-09
7	3380.50	68.00	4.318E-07	4.346E-07	3.572E-07	3.017E-09
8	3860.40	68.00	3.597E-07	3.623E-07	2.943E-07	2.516E-09
9	2253.70	90.00	3.513E-07	3.532E-07	3.006E-07	2.188E-09
10	2897.60	90.00	2.368E-07	2.384E-07	1.987E-07	1.451E-09
11	7243.90	90.00	4.898E-08	4.985E-08	3.733E-08	2.533E-10
12	804.90	113.00	1.325E-06	1.327E-06	1.213E-06	1.122E-08
13	4024.40	113.00	8.917E-08	8.984E-08	7.269E-08	6.032E-10
14	4346.30	113.00	7.673E-08	7.735E-08	6.198E-08	5.091E-10
15	804.90	135.00	1.657E-06	1.660E-06	1.517E-06	1.415E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
16	965.90	135.00	1.268E-06	1.271E-06	1.146E-06	1.041E-08
17	4185.40	135.00	1.221E-07	1.230E-07	9.906E-08	8.238E-10
18	965.90	158.00	1.673E-06	1.676E-06	1.513E-06	1.402E-08
19	2413.50	158.00	3.861E-07	3.877E-07	3.286E-07	2.645E-09
20	1609.80	180.00	1.196E-06	1.201E-06	1.046E-06	5.992E-09
21	1770.70	180.00	1.029E-06	1.034E-06	8.947E-07	5.039E-09
22	1448.80	203.00	3.902E-06	3.920E-06	3.438E-06	1.369E-08
23	1931.70	203.00	2.519E-06	2.534E-06	2.179E-06	8.241E-09
24	4829.30	203.00	5.627E-07	5.706E-07	4.505E-07	1.608E-09
25	2414.60	225.00	3.877E-06	3.911E-06	3.310E-06	7.300E-09
26	3058.50	225.00	2.718E-06	2.749E-06	2.277E-06	4.980E-09
27	2092.70	248.00	9.929E-06	1.002E-05	8.559E-06	1.302E-08
28	2092.70	248.00	9.929E-06	1.002E-05	8.559E-06	1.302E-08
29	1931.70	270.00	4.913E-06	4.963E-06	4.262E-06	6.676E-09
30	1931.70	270.00	4.913E-06	4.963E-06	4.262E-06	6.676E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
31	8048.80	270.00	4.252E-07	4.424E-07	3.245E-07	3.856E-10
32	1287.80	293.00	6.287E-06	6.329E-06	5.593E-06	1.238E-08
33	2092.70	293.00	2.905E-06	2.934E-06	2.507E-06	5.108E-09
34	1287.80	315.00	7.667E-06	7.715E-06	6.818E-06	1.861E-08
35	2897.60	315.00	2.155E-06	2.183E-06	1.816E-06	4.441E-09
36	2897.60	315.00	2.155E-06	2.183E-06	1.816E-06	4.441E-09
37	965.80	338.00	5.936E-06	5.959E-06	5.374E-06	1.782E-08
38	6439.00	338.00	3.344E-07	3.423E-07	2.599E-07	6.601E-10
39	6761.00	338.00	3.127E-07	3.204E-07	2.417E-07	6.065E-10
40	1126.30	45.00	3.686E-06	3.695E-06	3.299E-06	2.652E-08
41	804.90	248.00	3.399E-05	3.409E-05	3.114E-05	5.224E-08
42	949.00	0.00	6.077E-06	6.097E-06	5.506E-06	2.050E-08
43	1255.00	23.00	3.857E-06	3.872E-06	3.431E-06	1.540E-08
44	933.00	45.00	4.770E-06	4.779E-06	4.323E-06	3.574E-08
45	788.00	68.00	3.488E-06	3.493E-06	3.196E-06	3.109E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
46	772.00	90.00	1.923E-06	1.927E-06	1.765E-06	1.507E-08

NO. (M) (DEG.TO) 2.26 DAY DEC X/Q 8 DAY DEC D/Q
(SEC/M3) (SEC/M3) (SEC/M3) (1/M2)

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47	804.00	113.00	1.328E-06	1.330E-06	1.215E-06	1.124E-08
48	6600.00	113.00	3.231E-08	3.270E-08	2.483E-08	1.923E-10
49	6761.00	113.00	3.061E-08	3.099E-08	2.345E-08	1.810E-10
50	692.00	135.00	2.088E-06	2.090E-06	1.930E-06	1.842E-08
51	660.00	158.00	2.798E-06	2.800E-06	2.593E-06	2.549E-08
52	611.00	180.00	4.690E-06	4.694E-06	4.370E-06	2.967E-08
53	628.00	203.00	1.278E-05	1.279E-05	1.189E-05	5.494E-08
54	5634.00	203.00	3.935E-07	3.998E-07	3.095E-07	1.069E-09
55	6117.00	203.00	3.344E-07	3.403E-07	2.605E-07	8.830E-10
56	981.00	225.00	1.448E-05	1.454E-05	1.310E-05	3.252E-08
57	1963.00	248.00	1.093E-05	1.103E-05	9.464E-06	1.450E-08
58	1657.00	270.00	6.307E-06	6.364E-06	5.525E-06	8.851E-09
59	981.00	293.00	9.116E-06	9.161E-06	8.251E-06	1.914E-08
60	1062.00	315.00	9.316E-06	9.363E-06	8.387E-06	2.371E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
61	949.00	338.00	6.082E-06	6.104E-06	5.512E-06	1.834E-08
62	1376.00	68.00	1.609E-06	1.613E-06	1.421E-06	1.269E-08
63	1283.00	90.00	9.060E-07	9.091E-07	8.043E-07	6.368E-09
64	549.00	0.00	1.343E-05	1.344E-05	1.260E-05	5.185E-08
65	549.00	23.00	1.084E-05	1.084E-05	1.017E-05	5.330E-08
66	549.00	45.00	9.998E-06	1.000E-05	9.382E-06	8.399E-08
67	549.00	68.00	5.932E-06	5.935E-06	5.566E-06	5.725E-08
68	549.00	90.00	3.180E-06	3.181E-06	2.984E-06	2.681E-08
69	549.00	113.00	2.533E-06	2.534E-06	2.377E-06	2.328E-08
70	549.00	135.00	2.970E-06	2.972E-06	2.787E-06	2.754E-08
71	549.00	158.00	3.560E-06	3.562E-06	3.341E-06	3.377E-08
72	549.00	180.00	5.404E-06	5.407E-06	5.072E-06	3.509E-08
73	549.00	203.00	1.565E-05	1.566E-05	1.469E-05	6.955E-08
74	549.00	225.00	3.206E-05	3.209E-05	3.010E-05	8.067E-08
75	549.00	247.00	5.645E-05	5.650E-05	5.299E-05	9.245E-08

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
76	549.00	270.00	3.369E-05	3.373E-05	3.163E-05	5.962E-08
77	549.00	293.00	2.049E-05	2.051E-05	1.923E-05	4.926E-08
78	549.00	315.00	2.427E-05	2.429E-05	2.278E-05	7.251E-08
79	549.00	338.00	1.210E-05	1.211E-05	1.136E-05	4.176E-08
80	4990.00	203.00	5.228E-07	5.303E-07	4.170E-07	1.478E-09
81	183.00	0.00	6.811E-05	6.782E-05	6.863E-05	3.451E-07
82	457.00	0.00	1.764E-05	1.764E-05	1.675E-05	7.128E-08
83	4425.00	0.00	6.542E-07	6.636E-07	5.296E-07	1.649E-09
84	4425.00	23.00	6.269E-07	6.346E-07	5.068E-07	2.017E-09
85	183.00	45.00	4.925E-05	4.912E-05	4.968E-05	5.244E-07
86	4425.00	45.00	4.876E-07	4.918E-07	3.931E-07	2.903E-09
87	183.00	68.00	3.009E-05	3.001E-05	3.036E-05	3.696E-07
88	4425.00	68.00	2.909E-07	2.934E-07	2.345E-07	1.984E-09
89	183.00	90.00	1.622E-05	1.616E-05	1.635E-05	1.731E-07
90	4425.00	90.00	1.183E-07	1.195E-07	9.549E-08	7.039E-10

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
91	183.00	113.00	1.443E-05	1.439E-05	1.456E-05	1.679E-07
92	4425.00	113.00	7.406E-08	7.468E-08	5.970E-08	4.891E-10
93	183.00	135.00	1.556E-05	1.553E-05	1.570E-05	1.828E-07
94	4425.00	135.00	1.075E-07	1.084E-07	8.667E-08	7.154E-10
95	183.00	158.00	1.623E-05	1.619E-05	1.638E-05	1.960E-07
96	4425.00	158.00	1.426E-07	1.437E-07	1.149E-07	9.565E-10
97	183.00	180.00	2.463E-05	2.455E-05	2.483E-05	2.084E-07

95 183.00 158.00 1.623E-05 1.619E-05 1.638E-05 1.960E-07
96 4425.00 158.00 1.426E-07 1.437E-07 1.149E-07 9.565E-10

H 18 of 19

98	4425.00	180.00	2.208E-07	2.230E-07	1.782E-07	9.677E-10
99	183.00	203.00	8.042E-05	8.012E-05	8.106E-05	4.668E-07
100	4425.00	203.00	6.813E-07	6.900E-07	5.509E-07	2.003E-09
101	183.00	225.00	1.645E-04	1.637E-04	1.657E-04	5.133E-07
102	4425.00	225.00	1.503E-06	1.528E-06	1.219E-06	2.556E-09
103	183.00	247.00	2.693E-04	2.678E-04	2.711E-04	5.291E-07
104	4425.00	247.00	3.424E-06	3.485E-06	2.779E-06	3.828E-09
105	183.00	270.00	1.691E-04	1.680E-04	1.701E-04	3.770E-07

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
106	4425.00	270.00	1.277E-06	1.304E-06	1.039E-06	1.484E-09
107	183.00	293.00	1.024E-04	1.017E-04	1.030E-04	3.183E-07
108	4425.00	293.00	8.721E-07	8.899E-07	7.090E-07	1.364E-09
109	183.00	315.00	1.211E-04	1.204E-04	1.219E-04	4.727E-07
110	4425.00	315.00	1.080E-06	1.101E-06	8.774E-07	2.110E-09
111	183.00	338.00	5.104E-05	5.079E-05	5.140E-05	2.312E-07
112	4425.00	338.00	6.562E-07	6.668E-07	5.319E-07	1.477E-09
113	22536.00	203.00	3.000E-08	3.205E-08	1.992E-08	5.704E-11
114	2736.50	248.00	6.770E-06	6.845E-06	5.726E-06	8.493E-09
115	804.00	90.00	1.812E-06	1.815E-06	1.658E-06	1.408E-08
116	3703.40	23.00	8.385E-07	8.471E-07	6.900E-07	2.789E-09
117	3863.40	68.00	3.593E-07	3.620E-07	2.939E-07	2.513E-09
118	2253.60	90.00	3.514E-07	3.532E-07	3.006E-07	2.188E-09
119	4829.30	203.00	5.627E-07	5.706E-07	4.505E-07	1.608E-09
120	5634.00	203.00	3.935E-07	3.998E-07	3.095E-07	1.069E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
121	2897.50	315.00	2.155E-06	2.183E-06	1.816E-06	4.441E-09
122	2897.60	90.00	2.368E-07	2.384E-07	1.987E-07	1.451E-09
123	2735.30	247.00	6.774E-06	6.849E-06	5.729E-06	8.499E-09
124	4827.00	0.00	5.543E-07	5.630E-07	4.443E-07	1.356E-09
125	4827.00	23.00	5.313E-07	5.385E-07	4.252E-07	1.663E-09
126	4827.00	45.00	4.167E-07	4.207E-07	3.326E-07	2.423E-09
127	4827.00	68.00	2.523E-07	2.547E-07	2.013E-07	1.681E-09
128	4827.00	90.00	1.001E-07	1.013E-07	8.001E-08	5.811E-10
129	4827.00	113.00	6.228E-08	6.284E-08	4.969E-08	4.024E-10
130	4827.00	135.00	8.758E-08	8.835E-08	6.986E-08	5.700E-10
131	4827.00	158.00	1.189E-07	1.200E-07	9.486E-08	7.795E-10
132	4827.00	180.00	1.830E-07	1.851E-07	1.462E-07	7.823E-10
133	4827.00	203.00	5.633E-07	5.712E-07	4.510E-07	1.610E-09
134	4827.00	225.00	1.276E-06	1.299E-06	1.024E-06	2.085E-09
135	4827.00	247.00	2.915E-06	2.972E-06	2.343E-06	3.111E-09

FOR RELEASE POINT 1 GROUND

RECPT NO.	DISTANCE (M)	DIRECTION (DEG.TO)	X/Q 2.26 DAY DEC (SEC/M3)	UNDEPL. X/Q (SEC/M3)	DEPL X/Q 8 DAY DEC (SEC/M3)	DEPOSITION D/Q (1/M2)
136	4827.00	270.00	1.076E-06	1.102E-06	8.676E-07	1.203E-09
137	4827.00	293.00	7.408E-07	7.573E-07	5.966E-07	1.120E-09
138	4827.00	315.00	9.266E-07	9.459E-07	7.455E-07	1.755E-09
139	4827.00	338.00	5.524E-07	5.622E-07	4.435E-07	1.207E-09