

Philadelphia Electric Company

*Limerick
Generating Station
Unit 1*

Final Report

Primary Reactor Containment
Integrated Leakage Rate Test

Bechtel

Bechtel Corporation



November 1990

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LIMERICK GENERATING STATION
PHILADELPHIA ELECTRIC COMPANY
POTTSTOWN, PENNSYLVANIA

PERIODIC
REACTOR CONTAINMENT BUILDING
INTEGRATED LEAKAGE RATE TEST
UNIT 1
FINAL REPORT

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1.0 INTRODUCTION

Successful periodic Integrated Leakage Rate Test (ILRT) and Drywell Bypass Test were conducted on the Limerick Generating Station (LGS) Unit 1 containment between November 21 and 23, 1990. These tests were performed to demonstrate that the containment leakage rate and drywell bypass leakage area under prescribed post accident conditions do not exceed the allowable values specified in the LGS Unit 1 FSAR (Reference 1) and LGS Technical Specifications (Reference 2).

The tests were conducted in accordance with the requirements of the ILRT procedure (Reference 3), Appendix J to 10CFR50 (Reference 4), ANSI 56.8 (Reference 5), and BN-TOP-1 (Reference 6). Test results, which satisfied the acceptance criteria are summarized below.

	Test Results	Allowable
ILRT Mass Point Leakage Rate*	0.283%/day	0.375%/day
ILRT Mass Point UCL*	0.287%/day	0.375%/day
ILRT Total Time Leakage Rate*	0.291%/day	0.375%/day
ILRT Total Time UCL*	0.334%/day	0.375%/day
Verification Mass Point Rate	0.715%/day	0.623-0.873%/day
Verification Total Time Rate	0.720%/day	0.631-0.881%/day
Drywell Bypass Area	0.040 sq in	0.720 sq in

* The leakage rates and UCL's include adjustments for nonstandard alignments and water level changes of 0.035 %/day.

A summary of the test events and test chronology are presented in Section 2.0, Test Synopsis. Plant information, technical data, test results, and measurement system information are presented in Section 3.0, Test Data Summary. Test results are compared to the Acceptance Criteria in Section 4.0, Analysis and Interpretation. Referenced documents are listed in Section 5.0, References.

2.0 TEST SYNOPSIS

The containment was isolated by aligning systems in the specified post accident modes, except as noted in Section 3.C.12. Containment pressurization started at 1305 on November 21, 1990. During pressurization the containment ventilation fans were running. At 10 psig, all external penetration areas were checked for leakage. The containment ventilation fans were stopped before pressurization was completed. Test pressure (45.5 psig) was reached at 2345 on November 21. The pressurization line was isolated from containment and vented. The stabilization period started at 0000 on November 22.

The temperature stabilization criteria of Peferences 5 and 6 were first satisfied during the four hour period from 0000 to 0400 on November 22. Temperature stabilization criteria continued to be satisfied for the duration of the test.

Initially the measured leakage rate was large, approximately 2.4 %/day. Leakage was found in the ILRT verification flowmeter bypass line. The flowmeter bypass line was capped to stop the leakage at 0807 on November 22. This line is a temporary provision for the ILRT and not part of the containment isolation boundary. The ILRT test period began at 1030 on November 22. Test pressure was 44.7 psig. Containment pressure and temperature were measured at 15 minute intervals using precision devices. Reactor vessel, suppression pool, drywell sump, and drywell equipment drain tank water levels were measured. The ILRT was terminated at 1830 on November 22, after 8 hours of data had satisfied all leakage rate acceptance criteria.

The verification flow was initiated at 1835 on November 22 by continuously venting 5.64 SCFM of air from the containment through a flow meter, and allowing test conditions to stabilize for one hour. The new leakage rate calculated using 4 hours of data from 1945 to 2345 on November 22, verified the performance of the instrumentation system.

The containment was depressurized to Drywell Bypass Test pressure (4.23 psig). After isolating the drywell, the suppression pool was depressurized to 0 psig and isolated. Following a one hour stabilization period the Drywell Bypass Test period began at 1145 on November 23. The test was terminated at 1345 on November 23 after two hours of data demonstrated an acceptable bypass area.

3.0 TEST DATA SUMMARY

A. Plant Information

Owner:	Philadelphia Electric Company
Plant:	Limerick Generating Station
Location:	Pottstown, Pennsylvania
Containment Type:	Mark II
NSSS Supplier, Type:	General Electric, BWR
Date Test Completed:	November 23, 1990

B. Technical Data

1. Drywell Net Free Air Volume	248,416 cu ft
2. Suppression Pool Net Free Air Volume	154,704 cu ft*
3. Design Pressure	55 psig
3. Design Temperature	340 °F
4. Peak Accident Pressure, Pa	44 psig
5. Peak Accident Temperature	330 °F
5. Containment ILRT Average Temperature Limits	60-120 °F

* Free air volume corresponding to a suppression pool water level of 22 feet 11 inches.

C. Test Results - Type A Test

1. Test Method	Absolute	
2. Data Analysis Technique	Mass Point per ANSI/ANS 56.8-1981, and Total Time per BN-TOP-1	
3. Test Pressure	44.7 psig	
4. Maximum Allowable Leakage Rate, La	0.500 %/day	
5. 75% of La	0.375 %/day	
6. Integrated Leakage Rate Test Results		
	Leakage Rate	UCL*
Mass Point Analysis	0.248%/day	0.252%/day
Total Time Analysis	0.256%/day	0.299%/day

* UCL =95% Upper Confidence Level

7. Imposed Verification Leakage Rate 0.500%/day (5.64 SCFM)

8. Verification Test Results

	Leakage Rate
Mass Point Analysis	0.715%/day
Total Time Analysis	0.720%/day

9. Verification Test Limits

	Lower*	Upper*
Mass Point Analysis	0.623%/day	0.873%/day
Total Time Analysis	0.631%/day	0.881%/day

* Upper Limit = $Lo + Lam + 0.25La$, Lower Limit = $Lo + Lam - 0.25La$

10. Report Printouts

The report printouts and data plots for the ILRT and verification test calculations are provided in Appendices B-F.

11. Containment Water Level Changes

	Start	End	Change	Correction
Suppression Pool	22.917 ft.	22.911 ft.	-0.006 ft.	0.000 %/day
Reactor Vessel	88 in.	85 in.	-3 in.	0.000 %/day
Equipment Drain Tank	348 gal.	404 gal.	56 gal.	0.005 %/day
Drywell Sump	82 gal.	97 gal.	15 gal.	0.001 %/day

12. Penetrations not in post-LOCA Alignment During ILRT

Penetration	System	Leakage Rate
X-40G	ILRT sensor connection	3.35 SCCM
X-227	ILRT sensor connection	29.45 SCCM
X-53	Drywell chilled water	60.00 SCCM
X-54	Drywell chilled water	118.13 SCCM
X-55	Drywell chilled water	7.47 SCCM
X-56	Drywell chilled water	338.25 SCCM
X-61	A recirculation seal purge	4685.00 SCCM
X-9A	A feedwater	681.50 SCCM
X-9B	B feedwater	670.00 SCCM

D. Test Results - Drywell Bypass Test

1. Test Method	Absolute	
2. Data Analysis Technique	Total Time	
3. Test Pressure		
	Drywell	4.23 psig
	Suppression Pool	0.00 psig

- 4. Maximum Allowable Bypass Area 0.720 sq in
- 5. Calculated Bypass Area 0.040 sq in
- 6. Report Printouts

The report printouts for the Drywell Bypass Area Test are provided in Appendix G.

E. Test Results - Type B and C

A summary of local leakage rate test results is provided in Appendix H.

F. Integrated Leakage Rate Measurement System

Instrument (no. of sensors used during the test)	Description	Data	
1. Absolute Pressure (2)	Mensor Quartz Pressure Gage	Range: Accuracy: Sensitivity: Repeatability: Calibration Date:	0-100 psia 0.01% reading 0.001 psia 0.001 psia 9-19-90
2. Drybulb Temperature (16)	100 ohm Platinum RTD	Range: Accuracy: Sensitivity: Repeatability: Calibration Date:	60-120°F 50 °F 0.01 °F 0.10 °F 9-25-90
3. Dewpoint Temperature (8)	EG&G Model No. 660	Range: Accuracy: Sensitivity: Repeatability: Calibration Date:	32-120°F 0.54 °F 0.10 °F 0.10 °F 10-15-90
4. Flow Meter (1)	Thermal Mass	Range: Accuracy: Sensitivity: Resolution: Calibration Date:	0-9.99 scfm 1% full scale 1% full scale 0.01 scfm 9-25-90

Drybulb and dewpoint temperature sensor locations and volume fractions are provided in Table 1.

Instrument Selection Guide (ISG) calculation for the eight hour test is provided in section 4.3.

4.0 ANALYSIS AND INTERPRETATION

4.1 ILRT Test corrections

During the ILRT, nine penetrations were not in post-LOCA alignment. The penetrations and Type C leakage rates are given below:

Penetration	System	Leakage Rate
X-40G	ILRT sensor connection	3.35 SCCM
X-227	ILRT sensor connection	29.45 SCCM
X-53	Drywell chilled water	60.00 SCCM
X-54	Drywell chilled water	118.13 SCCM
X-55	Drywell chilled water	7.47 SCCM
X-56	Drywell chilled water	338.25 SCCM
X-61	A recirculation seal purge	4685.00 SCCM
X-9A	A feedwater	681.50 SCCM
X-9B	B feedwater	670.00 SCCM
TOTAL		6593.15 SCCM (0.021 %/day)

Containment water level changes are listed in the following table.

	Start	End	Change	Correction
Suppression Pool	22.917 ft.	22.911 ft.	-0.006 ft.	0.000 %/day
Reactor Vessel	88 in.	85 in.	-3 in.	0.000 %/day
Equipment Drain Tank	348 gal.	404 gal.	56 gal.	0.005 %/day
Drywell Sump	82 gal.	97 gal.	15 gal.	0.001 %/day
			TOTAL	0.006 %/day

The Hydraulic Control Unit leakage, based on pressure drop from the start of the test to the end of the test, amounted to 0.008 %/day.

The total leakage rate correction for penetrations not in post-LOCA alignment and containment free air volume changes is 0.035 %/day.

4.2 "Adjusted" Leakage Rate

The calculated leakage rates during the ILRT were 0.248 %/day (mass point) and 0.256 %/day (total time). The calculated 95% upper confidence levels were 0.252 %/day (mass point) and 0.299 %/day (total time). Adding the total leakage rate corrections for penetrations not in post-LOCA alignment and containment water level changes yields the corrected leakage rates as follows:

	Leakage Rates, %/day			
	Mass Point		Total Time	
	Leakage Rate	UCL	Leakage Rate	UCL
Calculated	0.248	0.252	0.256	0.299
Corrections	0.035	0.035	0.035	0.035
Corrected	0.283	0.287	0.291	0.334

Since the corrected 95% upper confidence levels for both mass point and total time are less than .75La (0.75%/day), the test results demonstrate the leakage through the primary containment and systems and components penetrating primary containment do not exceed the allowable leakage rates specified in the Limerick Generating Station Unit 1 FSAR and Technical Specifications.

The data rejection criterion from ANSI 56.8, reference 5, was used to identify outliers at the 5% rejection level. No data points were rejected.

The general guidelines to identify failed sensors are as follows. Graphs of each individual sensor vs time are displayed during the test and printed later, see Appendix F. The trend of each sensor should be similar to the other sensors in the same region of the containment. Deviations of sensor readings not exhibited by other sensors in the same region greater than twice the instrument accuracy may indicate a failed sensor. During the test, no sensors failed.

4.3 ISG CALCULATION (ANSI/ANS 56.8 - 1987)

CALIBRATION DATA

	# OF SENSORS	SENSOR SENSITIVITY (E)	DISPLAY REPEATABILITY (r)
TEMPERATURE (T)	16	0.1000 deg. F	0.0100 deg. F
PRESSURE (P)	2	0.0010 psia	0.0010 psia
VAPOR PRESS (Pv)	8	0.5000 deg. F	0.1000 deg. F

LENGTH OF TEST (t) 8.00 hrs
 PRESSURE (P) 44.70 psia
 TEMPERATURE (T) 544.0 deg. R
 VAPOR PRESS (Pv) 0.01521 psi/deg. F (at 77 deg. F)
 La 0.500 wt%/day

INSTRUMENT MEASUREMENT ERRORS

$$eT = [(ET)^2 + (rT)^2]^{1/2} / [\# \text{ of sensors}]^{1/2}$$

$$eT = 0.02512 \text{ deg. F}$$

$$eP = [(EP)^2 + (rP)^2]^{1/2} / [\# \text{ of sensors}]^{1/2}$$

$$eP = 0.00100 \text{ psia}$$

$$ePv = [(EPv)^2 + (rPv)^2]^{1/2} / [\# \text{ of sensors}]^{1/2}$$

$$ePv = 0.00274 \text{ psia}$$

INSTRUMENT SELECTION GUIDE

$$ISG = 2400/t [2(eP/P)^2 + 2(ePv/P)^2 + 2(eT/T)^2]^{1/2}$$

$$ISG = 0.034 \text{ wt\%/day}$$

$$.25La = 0.125 \text{ wt\%/day}$$

5.0 REFERENCES

1. Limerick Generating Station, FSAR.
2. Limerick Generating Station, Technical Specifications.
3. Limerick Generating Station Procedure ST-1-060-490-1, Revision 5, Integrated Leakage Rate Test.
4. Code of Federal Regulations, Title 10, Part 50, Appendix J, Primary Reactor Containment Leakage Rate Testing for Water Cooled Power Reactors.
5. ANSI/ANS 56.8-1981, Containment System Leakage Testing Requirements.
6. Bechtel Topical Report BN-TOP-1, Testing Criteria for Integrated Leakage Rate Testing of Primary Containment Structures for Nuclear Power Plants, Revision 1, 1972.

TABLE 1

DRYBULB AND DEWPOINT TEMPERATURE SENSOR LOCATIONS

Sensor No.	Elevation (ft)	Azimuth (degrees)	Distance from Center (ft)	Volume Fractions
DRYBULB				
1	333	240	17	0.023
2	317	12	16	0.024
3	317	165	16	0.025
4	298	0	20	0.046
5	301	181	18	0.047
6	245	37	24	0.077
7	250	169	26	0.077
8	267	165	20	0.077
9	265	340	24	0.077
10	248	235	26	0.077
11	245	0	26	0.076
12	Not installed			0.000
13	227	102	At Catwalk	0.075
14	227	169	At Catwalk	0.075
15	227	249	At Catwalk	0.075
16	227	318	At Catwalk	0.075
17	227	16	At Catwalk	0.075
DEWPOINT				
1	317	12	17	0.071
2	Not installed			0.000
3	245	167	22	0.161
4	266	340	22	0.162
5	265	13	22	0.115
6	299	181	18	0.116
7	227	16	At Catwalk	0.125
8	227	249	At Catwalk	0.125
9	227	169	At Catwalk	0.125

APPENDIX A

Bechtel ILRT Computer Program Summary

APPENDIX A

DESCRIPTION OF BECHTEL ILRT COMPUTER PROGRAM

A. Program and Report Description

1. The Bechtel ILRT computer program is used to determine the integrated leakage rate of a nuclear primary containment structure. The program is used to compute leakage rate based on input values of time, free air volume, containment atmosphere total pressure, drybulb temperature, and dewpoint temperature (water vapor pressure). Leakage rate is computed using the Absolute Method as defined in ANSI/ANS 56.8-1981, "Containment System Leakage Testing Requirements" and EN-TOP-1, Rev 1, "Testing Criteria for Integrated Leakage Rate Testing of Primary Containment Structures for Nuclear Power Plants". The program is designed to allow the user to evaluate containment leakage rate test results at the jobsite during containment leakage testing. Current leakage rate values may be obtained at any time during the testing period using one of two computational methods, yielding three different report printouts.
2. In the first printout, the Total Time Report, leakage rate is computed from initial values of free air volume, containment atmosphere drybulb temperature and partial pressure of dry air, the latest values of the same parameters, and elapsed time. These individually computed leakage rates are statistically averaged using linear regression by the method of least squares. The Total Time Method is the computational technique upon which the short duration test criteria of EN-TOP-1, Rev 1, "Testing Criteria for Integrated Leakage Rate Testing of Primary Containment Structures for Nuclear Power Plant," are based.
3. The second printout is the Mass Point Report and is based on the Mass Point Analysis Technique described in ANSI/ANS 56.8-1981, "Containment System Leakage Testing Requirements". The mass of dry air in the containment is computed at each data point (time) using the Equation of State, from current values of containment atmosphere drybulb temperature and partial pressure of dry air. Contained mass is "plotted" versus time and a regression line is fit to the data using the method of least squares. Leakage rate is determined from the statistically derived slope and intercept of the regression line.
4. The third printout, the Trend Report, is a summary of leakage rate values based on Total Time and Mass Point computations presented as a function of number of data points and elapsed time (test duration). The Trend Report provides all leakage rate values required for comparison to the acceptance criteria of EN-TOP-1 for conduct of a short duration test.

5. The program generates a predictor report based on "Suggested Criteria for a Short Duration ILRT", Ted Brown and Louis Estenssoro, Proceedings of the First Workshop on Containment Testing, January 18, 1982. The "predictor" is an estimate of the upper bound on the change in mass point calculated leakage rate which will occur during the next four hours. The estimate is based on the mass point calculated leakage rates and 95% UCLs during the previous four hours.
6. The program is written in a high level language and is designed for use on a micro-computer with direct data input from the data acquisition system. Brief descriptions of program use, formulae used for leakage rate computations, and program logic are provided in the following paragraphs.

B. Explanation of Program

1. The Bechtel ILRT computer program is written, for use by experienced ILRT personnel, to determine containment integrated leakage rates based on the Absolute Method described in ANSI/ANS 56.8-1981 and EN-TOP-1.
2. Information loaded into the program prior to or at the start of the test:
 - a. Number of containment atmosphere drybulb temperature sensors, dewpoint temperature (water vapor pressure) sensors and pressure gages to be used in leakage rate computations for the specific test
 - b. Volume fractions assigned to each of the above sensors
 - c. Calibration data for above sensors
 - d. Test title
 - e. Maximum allowable leakage rate at test pressure
3. Data received from the data acquisition system during the test, and used to compute leakage rates:
 - a. Time and date
 - b. Containment atmosphere drybulb temperatures
 - c. Containment atmosphere pressure(s)
 - d. Containment atmosphere dewpoint temperatures
 - e. Containment free air volume.
4. After all data at a given time are received, a Summary of Measured Data report (refer to "Program Logic," Paragraph D, "Data" option command) is printed.

5. If drybulb and dewpoint temperature sensors should fail during the test, the data from the sensor(s) are not used. The volume fractions for the remaining sensors are recomputed and reloaded into the program for use in ensuing leakage rate computations.

C. Leakage Rate Formulae

1. Computations Using the Total Time Method:

a. Measured leakage rate from data:

$$P_1 V_1 = W_1 R T_1 \quad (1)$$

$$P_i V_i = W_i R T_i \quad (2)$$

$$L_i = \frac{2400 (W_1 - W_i)}{\Delta t_i W_1} \quad (3)$$

Solving for W_1 and W_i and substituting equations (1) and (2) into (3) yields:

$$L_i = \frac{2400}{\Delta t_i} \left(1 - \frac{T_1 P_i V_i}{T_i P_1 V_1} \right) \quad (4)$$

where

W_1, W_i = Weight of contained mass of dry air at times t_1 and t_i , respectively, lbm.

T_1, T_i = Containment atmosphere drybulb temperature at times t_1 and t_i , respectively, °R.

P_1, P_i = Partial pressure of the dry air component of the containment atmosphere at times t_1 and t_i , respectively, p.s.a.

V_1, V_i = Containment free air volume at times t_1 and t_i , respectively (constant or variable during the test), ft³.

t_1, t_i = Time at 1st and ith data points respectively, hr.

Δt_i = Elapsed time from t_1 to t_i , hr.

R = Specific gas constant for air = 53.35 ft.lbf/lbm.°R.

L_i = Measured leakage rate computed during time interval t_1 to t_i , wt.%/day.

To reduce truncation error, the computer program uses the following equivalent formulation:

$$L_i = \frac{-2400}{\Delta t_i} \left(\frac{\Delta W_i}{W_i} \right)$$

where

$$\frac{\Delta W_i}{W_i} = \frac{W_i - W_1}{W_1}$$

$$= \frac{\frac{\Delta P_i}{P_1} + \frac{\Delta V_i}{V_1} + \frac{\Delta P_i \Delta V_i}{P_1 V_1} - \frac{\Delta T_i}{T_1}}{1 + \frac{\Delta T_i}{T_1}}$$

$$\begin{aligned} \Delta P_i &= P_i - P_1 \\ \Delta V_i &= V_i - V_1 \\ \Delta T_i &= T_i - T_1 \end{aligned}$$

b. Calculated leakage rate from regression analysis:

$$\bar{L} = a + b \Delta t_N \quad (5)$$

where

\bar{L} = Calculated leakage rate, wt.%/day, as determined from the regression line.

$$a = (\Sigma L_i - b \Sigma \Delta t_i) / N \quad (6)$$

$$b = \frac{N(\Sigma L_i \Delta t_i) - (\Sigma L_i)(\Sigma \Delta t_i)}{N(\Sigma \Delta t_i^2) - (\Sigma \Delta t_i)^2} \quad (7)$$

N = Number of data points.

$$\Sigma = \sum_{i=1}^N$$

c. 95% upper confidence limit on the calculated leakage rate:

$$UCL = a + b \Delta t_N + S_L$$

where

UCL = 95% upper confidence limit wt.%/day, at elapsed time Δt_N .

For $\Delta t_N < 24$

$$S_L = t_s \left[\frac{(\sum L_i^2 - a \sum L_i - b \sum L_i \Delta t_i) / (N-2)}{\left[1 + \frac{1}{N} + \frac{(\Delta t_N - \Delta \bar{t})^2}{(\sum \Delta t_i^2 - (\sum \Delta t_i)^2 / N)} \right]^{1/2}} \right]^{1/2} \quad (9a)$$

$$\text{where } t_s = 1.95996 + \frac{2.37226}{N-2} + \frac{2.82250}{(N-2)^2} ;$$

For $\Delta t_N \geq 24$

$$S_L = t_s \left[\frac{(\sum L_i^2 - a \sum L_i - b \sum L_i \Delta t_i) / (N-2)}{\left[\frac{1}{N} + \frac{(\Delta t_i - \Delta \bar{t})^2}{(\sum \Delta t_i^2 - (\sum \Delta t_i)^2 / N)} \right]^{1/2}} \right]^{1/2} \quad (9b)$$

$$\text{where } t_s = \frac{1.6449(N-2)^2 + 3.5283(N-2) + 0.85602}{(N-2)^2 + 1.2209(N-2) - 1.5162}$$

\bar{L}_i = Calculated leakage rate computed using equation (5) at total elapsed time Δt_i , %/day.

$$\Delta \bar{t} = \frac{\sum \Delta t_i}{N}$$

2. Computation using the Mass Point Method:

a. Contained mass of dry air from data:

$$W_i = 144 \frac{P_i V_i}{RT_i} \quad (10)$$

where

All symbols as previously defined.

b. Calculated leakage rate from regression analysis, $W = a + b \Delta t$

$$\bar{L} = -2400 \frac{b}{a} \quad (11)$$

where

\bar{L} = Calculated leakage rate, wt.%/day, as determined from the regression line.

$$a = (\sum W_i - b \sum \Delta t_i) / N \quad (12)$$

$$b = \frac{N(\sum W_i \Delta t_i) - (\sum W_i)(\sum \Delta t_i)}{N(\sum \Delta t_i^2) - (\sum \Delta t_i)^2} \quad (13)$$

Δt_i = Total elapsed time at time of i^{th} data point, hr.

N = Number of data points.

W_i = Contained mass of dry air at i^{th} data point, lbm, as computed from equation (10).

$$\Sigma = \sum_{i=1}^N$$

To reduce truncation error, the computer program uses the following equivalent formulation:

$$a = W_1 \left[1 + \left(\frac{\Delta W_1}{W_1} - \frac{b}{W_1} \sum \Delta t_i \right) / N \right] \quad (14)$$

$$b = W_1 \left[\frac{N \left(\frac{\Delta W_1}{W_1} \sum \Delta t_i \right) - \sum \frac{\Delta W_1}{W_1} \sum \Delta t_i}{N(\sum \Delta t_i^2) - (\sum \Delta t_i)^2} \right] \quad (15)$$

where $\frac{\Delta W_1}{W_1}$ is as previously defined.

c. 95% upper confidence limit.

$$UCL = \frac{-2400}{a} (b + S_b) \quad (16)$$

where

UCL = 95% upper confidence limit, wt.%/day.

$$S_D = t_s \frac{SN^{1/2}}{[N \sum \Delta t_i^2 - (\sum \Delta t_i)^2]^{1/2}} \quad (17)$$

$$\text{where } t_s = \frac{1.4449 (N-2)^2 + 3.5283 (N-2) + 0.85602}{(N-2)^2 + 1.2209 (N-2) - 1.5162}$$

$$S = \left[\frac{\sum [W_i - (a + b \Delta t_i)]^2}{N-2} \right]^{1/2}$$

$$= W_1 \left\{ \frac{1}{N-2} \left[\sum (\Delta W_i / W_1)^2 - \left[\sum (\Delta W_i / W_1) \right]^2 / N - \frac{[\sum (\Delta W_i / W_1) \Delta t_i - \sum (\Delta W_i / W_1) (\sum \Delta t_i) / N]^2}{\sum (\Delta t_i^2) - (\sum \Delta t_i)^2 / N} \right] \right\}^{1/2} \quad (18)$$

d. Predictor:

$$\text{Predictor} = \frac{100 [2(UCL-L) + 4(|B| + 2 S_A)]}{L_a}$$

where

UCL = 95% upper confidence limit of mass point calculated leakage rate at end of test.

L = Mass point calculated leakage rate at end of test.

B = Value of linear regression analysis slope of mass point calculated leakage rate vs. time for last 4 hours of test data.

S_A = Linear regression analysis standard deviation of slope.

L_a = Allowable leakage rate.

In terms of elapsed time, Δt and mass point calculated leakage rate L_{m_i} calculated at the end of ith time interval.

$$A = \frac{1}{M} \left[\sum_{4 \text{ hr}} Lm_i - B \sum_{4 \text{ hr}} \Delta t_i \right] \quad (19)$$

$$B = \frac{M \sum_{4 \text{ hr}} Lm_i \Delta t_i - \sum_{4 \text{ hr}} Lm_i \sum_{4 \text{ hr}} \Delta t_i}{M \sum_{4 \text{ hr}} \Delta t_i^2 - (\sum_{4 \text{ hr}} \Delta t_i)^2} \quad (20)$$

$$S_A = \sqrt{\frac{\sum_{4 \text{ hr}} Lm_i - A \sum_{4 \text{ hr}} Lm_i - B \sum_{4 \text{ hr}} Lm_i \Delta t_i}{[M-2] \left[M \sum_{4 \text{ hr}} \Delta t_i^2 - (\sum_{4 \text{ hr}} \Delta t_i)^2 \right]}} \quad (M) \quad (21)$$

Lm_i = mass point calculated leakage rate evaluated using data up to time Δt_i .

$\sum_{4 \text{ hr}}$ = summation over last 4 hours of test data.

Σ = \sum_{N-M+1}^N

M = number of data points for last 4 hours of test.

D. Program Logic

1. The Bechtel ILRT computer program logic flow is controlled by a set of user options. The user options and a brief description of their associated function are presented below.

<u>OPTION COMMAND</u>	<u>FUNCTION</u>
	After starting the program execution, the user either enters the name of the file containing previously entered data or initializes a new data file.
DATA	Enables user to enter raw data. When the system requests values of time, volume, temperature, pressure and vapor pressure, the user enters the appropriate data. After completing the data entry, a summary is printed out. The user then verifies that the data were entered correctly. If errors are detected, the user will then be given the opportunity to correct the errors. After the user verifies that the data were entered correctly, a Corrected Data Summary Report of time, data, average temperature, partial pressure of dry air, and water vapor pressure is printed.
TREND	A Trend Report is printed.
TOTAL	A Total Time Report is printed.
MASS	A Mass Point Report is printed.
TERM	Enables user to sign-off temporarily or permanently. All data is saved on a file for restarting.
CORR	Enables user to correct previously entered data.
LIST	A Summary Data Report is printed.
READ	Enable the computer to receive the next set of data from the data acquisition system directly.
PLOT	Enables user to plot summary data, individual sensor data or air mass versus time.
DELETE	Enables user to delete a data point.
INSERT	Enables user to reinstate a previously deleted data point.
VOLFRA	Enable user to change volume fractions.

<u>OPTION COMMAND</u>	<u>FUNCTION</u>
PRED	A predictor report is printed.
TIME	Enable the user to specify the time interval for a report or plot.
VERF	Enable the user to input imposed leakage rate and calculated ILRT leakage rates at start of verification test.

E. Computer Report and Data Printout

MASS POINT REPORT

The Mass Point Report presents leakage rate data (wt%/day) as determined by the Mass Point Method. The "Calculated Leakage Rate" is the value determined from the regression analysis. The "Containment Air Mass" values are the masses of dry air in the containment (lbm). These air masses, determined from the Equation of State, are used in the regression analysis.

TOTAL TIME REPORT

The Total Time Report presents data leakage rate (wt%/day) as determined by the Total Time Method. The "Calculated Leakage Rate" is the value determined from the regression analysis. The "Measured Leakage Rates" are the leakage rate values determined using Total Time calculations. These values of leakage rate are used in the regression analysis.

TREND REPORT

The Trend Report presents leakage rates as determined by the Mass Point and Total Time methods in percent of the initial contained mass of dry air per day (wt%/day), versus elapsed time (hours) and number of data points.

PREDICTOR REPORT

The predictor reports presents a predicted upper bound on the change in calculated mass point leakage rate over the next four hours.

SUMMARY DATA REPORT

The Summary Data report presents the actual data used to calculate leakage rates by the various methods described in the Computer Program" section of this report. The seven columns are TIME, DATE, TEMP, PRESSURE, VPRS, VOLUME, and AIRMASS and contain data defined as follows:

1. TIME: Time in 24-hour notation (hours and minutes).
2. DATE: Calendar date (month and day).
3. TEMP: Containment weighted-average drybulb temperature in absolute units, degrees Rankine ($^{\circ}R$).
4. PRESSURE: Partial pressure of the dry air component of the containment atmosphere in absolute units (psia).
5. VPRS: Partial pressure of water vapor of the containment atmosphere in absolute units (psia).
6. VOLUME: Containment free air volume (cu. ft.).
7. AIRMASS: Calculated dry air mass (lbm).

F. Summary of Measured Data and Summary of Corrected Data

The Summary of Measured Data presents the individual containment atmosphere drybulb temperatures, dewpoint temperatures, absolute total pressure and free air volume measured at the time and date.

1. TEMP 1 through TEMP N are the drybulb temperatures, where N = No. of RTD's. The values in the right-hand column are temperatures ($^{\circ}F$), multiplied by 100, as read from the data acquisition system (DAS). The values in the left-hand column are the corrected temperatures expressed in absolute units ($^{\circ}R$).
2. PRES 1 through PRES N are the total pressures, absolute, where N = No. of pressure sensors. The right-hand value, in parentheses, is a number of counts as read from the DAS. This count value is converted to a value in psia by the computer via the instrument's calibration table, counts versus psia. The left-hand column is the absolute total pressure, psia.
3. VPRS 1 through VPRS N are the dewpoint temperatures (water vapor pressures), where N = No. of dewpoint sensors. The values in the right-hand column are temperatures ($^{\circ}F$), multiplied by 100 as read from the DAS. The values in the left-hand column are the water vapor pressures (psia) from the steam tables for saturated steam corresponding to the dewpoint (saturation) temperatures in the center column.

The Summary of Corrected Data presented corrected temperature and pressure values and calculated air mass determined as follows:

1. TEMPERATURE ($^{\circ}R$) is the volume weighted average containment atmosphere drybulb temperature derived from TEMP 1 through TEMP N.

2. CORRECTED PRESSURE (psia) is the partial pressure of the dry air component of the containment atmosphere, absolute. The volume weighted average containment atmosphere water vapor pressure is subtracted from the volume weighted average total pressure, yielding the partial pressure of the dry air.
3. VAPOR PRESSURE (psia) is the volume weighted average containment atmosphere water vapor pressure, absolute, derived from VPRS 1 through VPRS N.
4. VOLUME (cu. ft.) is the containment free air volume.
5. CONTAINMENT AIR MASS (lbm) is the calculated mass of dry air in the containment. The mass of dry air is calculated using the containment free air volume and the above TEMPERATURE and CORRECTED PRESSURE of the dry air.

APPENDIX B

ILRT Stabilization

LIMERICK GENERATING STATION - UNIT 1
TEMPERATURE STABILIZATION

FROM A STARTING TIME AND DATE OF: 0 1122 1990

TIME (HOURS)	TEMP (°R)	AVE ΔT (4HRS)	ANSI AVE ΔT (1HR)	DIFF	BN-TOP-1 AVE ΔT (2HRS)	MS-021-5 AVE ΔT (2HRS)
.00	546.502					
.25	546.230					
.50	546.059					
.75	545.928					
1.00	545.813					
1.25	545.720					
1.50	545.629					
1.75	545.546					
2.00	545.479				-.512*	.468
2.25	545.407				-.412*	.227*
2.50	545.354				-.352*	.179*
2.75	545.295				-.316*	.129*
3.00	545.240				-.286*	.086*
3.25	545.194				-.263*	.102*
3.50	545.142				-.244*	.072*
3.75	545.095				-.226*	.045*
4.00	545.055	-.362	-.185	-.177*	-.212*	.074*
4.25	545.016	-.304	-.178	-.126*	-.195*	.030*
4.50	544.985	-.268	-.157	-.112*	-.185*	.064*
4.75	544.949	-.245	-.146	-.099*	-.173*	.043*
5.00	544.924	-.222	-.131	-.091*	-.158*	.049*
5.25	544.892	-.207	-.124	-.083*	-.151*	.045*
5.50	544.865	-.191	-.120	-.071*	-.138*	.047*
5.75	544.835	-.178	-.114	-.064*	-.130*	.021*
6.00	544.815	-.166	-.109	-.057*	-.120*	.044*
6.25	544.794	-.153	-.098	-.056*	-.111*	.023*
6.50	544.772	-.146	-.094	-.052*	-.107*	.032*
6.75	544.751	-.136	-.084	-.052*	-.099*	.010*
7.00	544.735	-.126	-.080	-.046*	-.094*	.036*
7.25	544.717	-.119	-.077	-.042*	-.088*	.019*
7.50	544.699	-.111	-.073	-.038*	-.083*	.028*
7.75	544.673	-.106	-.079	-.027*	-.081*	-.014*
8.00	544.661	-.099	-.074	-.025*	-.077*	.021*
8.25	544.660	-.089	-.057	-.032*	-.067*	.050*
8.50	544.647	-.085	-.052	-.032*	-.063*	.016*
8.75	544.637	-.078	-.036	-.042*	-.057*	.015*
9.00	544.622	-.075	-.039	-.037*	-.056*	.009*
9.25	544.611	-.070	-.049	-.021*	-.053*	.015*
9.50	544.600	-.066	-.046	-.020*	-.049*	.036*
9.75	544.592	-.061	-.044	-.017*	-.040*	.009*
10.00	544.582	-.058	-.040	-.018*	-.039*	-.022*
10.25	544.566	-.057	-.045	-.012*	-.047*	-.006*
10.50	544.555	-.054	-.045	-.009*	-.046*	-.001*

* INDICATES TEMPERATURE STABILIZATION HAS BEEN SATISFIED

APPENDIX C

ILRT Summary Data

LIMERICK GENERATING STATION - UNIT 1
SUMMARY DATA

ALMAX = .500
VRATET = .756

VOLUME = 403120.
VRATEM = .748

TIME	DATE	TEMP	PRESSURE	VPRS	VOLUME	AIRMASS
0	1122	546.502	59.6947	.4634	403120.0	118852.0
15	1122	546.230	59.6542	.4604	403120.0	118830.4
30	1122	546.059	59.6206	.4580	403120.0	118800.8
45	1122	545.928	59.5896	.4555	403120.0	118767.4
100	1122	545.813	59.5599	.4542	403120.0	118733.3
115	1122	545.720	59.5306	.4534	403120.0	118695.1
130	1122	545.629	59.5032	.4528	403120.0	118660.1
145	1122	545.546	59.4756	.4523	403120.0	118623.4
200	1122	545.479	59.4490	.4513	403120.0	118584.8
215	1122	545.407	59.4234	.4503	403120.0	118549.4
230	1122	545.354	59.3964	.4503	403120.0	118507.0
245	1122	545.295	59.3718	.4499	403120.0	118470.6
300	1122	545.240	59.3483	.4494	403120.0	118435.7
315	1122	545.194	59.3248	.4488	403120.0	118398.8
330	1122	545.142	59.3006	.4490	403120.0	118361.8
345	1122	545.095	59.2773	.4487	403120.0	118325.5
400	1122	545.055	59.2546	.4488	403120.0	118288.9
415	1122	545.016	59.2320	.4483	403120.0	118252.3
430	1122	544.985	59.2093	.4480	403120.0	118213.7
445	1122	544.949	59.1874	.4479	403120.0	118177.8
500	1122	544.924	59.1659	.4473	403120.0	118140.2
515	1122	544.892	59.1439	.4478	403120.0	118103.3
530	1122	544.865	59.1225	.4476	403120.0	118066.3
545	1122	544.835	59.1025	.4471	403120.0	118032.9
600	1122	544.815	59.0800	.4475	403120.0	117992.2
615	1122	544.794	59.0599	.4471	403120.0	117956.6
630	1122	544.772	59.0386	.4473	403120.0	117919.1
645	1122	544.751	59.0184	.4470	403120.0	117883.0
700	1122	544.735	58.9986	.4467	403120.0	117847.2
715	1122	544.717	58.9772	.4470	403120.0	117808.4
730	1122	544.699	58.9560	.4472	403120.0	117769.8
745	1122	544.673	58.9379	.4467	403120.0	117739.3
800	1122	544.661	58.9201	.4468	403120.0	117706.3
815	1122	544.660	58.9137	.4471	403120.0	117693.7
830	1122	544.647	58.9062	.4470	403120.0	117681.5
845	1122	544.637	58.9030	.4471	403120.0	117677.4
900	1122	544.622	58.9013	.4468	403120.0	117677.1
915	1122	544.611	58.8970	.4476	403120.0	117670.9
930	1122	544.600	58.8951	.4470	403120.0	117669.5
945	1122	544.592	58.8910	.4476	403120.0	117663.0
1000	1122	544.582	58.8889	.4471	403120.0	117661.1
1015	1122	544.566	58.8855	.4476	403120.0	117657.7
1030	1122	544.555	58.8823	.4478	403120.0	117653.5

LIMERICK GENERATING STATION - UNIT 1
SUMMARY DATA

ALMAX = .500
VRATET = .756

VOLUME = 403120.
VRATEM = .748

TIME	DATE	TEMP	PRESSURE	VPRS	VOLUME	AIRMASS
1030	1122	544.555	58.8823	.4478	403120.0	117653.5
1045	1122	544.541	58.8796	.4480	403120.0	117651.3
1100	1122	544.544	58.8784	.4472	403120.0	117648.3
1115	1122	544.532	58.8750	.4475	403120.0	117644.1
1130	1122	544.520	58.8717	.4478	403120.0	117640.1
1145	1122	544.507	58.8686	.4484	403120.0	117636.6
1200	1122	544.502	58.8666	.4480	403120.0	117633.7
1215	1122	544.501	58.8645	.4480	403120.0	117629.8
1230	1122	544.489	58.8612	.4484	403120.0	117625.6
1245	1122	544.482	58.8588	.4488	403120.0	117622.4
1300	1122	544.469	58.8561	.4484	403120.0	117619.8
1315	1122	544.464	58.8541	.4485	403120.0	117616.8
1330	1122	544.456	58.8515	.4485	403120.0	117613.6
1345	1122	544.451	58.8491	.4489	403120.0	117609.7
1400	1122	544.440	58.8465	.4490	403120.0	117607.0
1415	1122	544.435	58.8447	.4488	403120.0	117604.6
1430	1122	544.422	58.8425	.4490	403120.0	117602.9
1445	1122	544.417	58.8399	.4486	403120.0	117598.6
1500	1122	544.409	58.8373	.4492	403120.0	117595.4
1515	1122	544.399	58.8354	.4491	403120.0	117593.6
1530	1122	544.392	58.8330	.4495	403120.0	117590.4
1545	1122	544.378	58.8309	.4496	403120.0	117589.1
1600	1122	544.380	58.8295	.4489	403120.0	117586.1
1615	1122	544.381	58.8269	.4495	403120.0	117580.6
1630	1122	544.367	58.8248	.4496	403120.0	117579.4
1645	1122	544.365	58.8229	.4495	403120.0	117575.9
1700	1122	544.351	58.8207	.4498	403120.0	117574.6
1715	1122	544.352	58.8185	.4499	403120.0	117570.0
1730	1122	544.348	58.8161	.4503	403120.0	117566.2
1745	1122	544.337	58.8140	.4504	403120.0	117564.2
1800	1122	544.337	58.8118	.4506	403120.0	117559.9
1815	1122	544.333	58.8091	.4508	403120.0	117555.4
1830	1122	544.318	58.8092	.4502	403120.0	117558.8

LIMERICK GENERATING STATION - UNIT 1
SUMMARY DATA

ALMAX = .500
VRATET = .756

VOLUME = 403120.
VRATEM = .748

TIME	DATE	TEMP	PRESSURE	VPRS	VOLUME	AIRMASS
1845	1122	544.314	58.8036	.4513	403120.0	117548.4
1900	1122	544.309	58.7986	.4508	403120.0	117539.5
1915	1122	544.310	58.7937	.4512	403120.0	117529.6
1930	1122	544.300	58.7886	.4513	403120.0	117521.5
1945	1122	544.302	58.7842	.4512	403120.0	117512.3
2000	1122	544.294	58.7787	.4517	403120.0	117502.9
2015	1122	544.300	58.7739	.4514	403120.0	117492.1
2030	1122	544.286	58.7692	.4516	403120.0	117485.8
2045	1122	544.285	58.7632	.4521	403120.0	117473.9
2100	1122	544.274	58.7583	.4520	403120.0	117466.6
2115	1122	544.273	58.7539	.4519	403120.0	117457.9
2130	1122	544.273	58.7490	.4523	403120.0	117448.0
2145	1122	544.267	58.7440	.4522	403120.0	117439.5
2200	1122	544.258	58.7396	.4521	403120.0	117432.7
2215	1122	544.260	58.7341	.4527	403120.0	117421.0
2230	1122	544.256	58.7306	.4521	403120.0	117415.1
2245	1122	544.254	58.7255	.4527	403120.0	117405.4
2300	1122	544.264	58.7212	.4525	403120.0	117394.5
2315	1122	544.252	58.7166	.4526	403120.0	117387.8
2330	1122	544.245	58.7119	.4529	403120.0	117379.8
2345	1122	544.244	58.7071	.4530	403120.0	117370.8

SUMMARY OF MEASURED DATA AT 0 1122

TEMP 1 =	555.8496	(95.892)
TEMP 2 =	561.7003	(101.990)
TEMP 3 =	561.7514	(101.790)
TEMP 4 =	555.7423	(95.843)
TEMP 5 =	556.7549	(96.975)
TEMP 6 =	543.6273	(84.094)
TEMP 7 =	545.5109	(85.485)
TEMP 8 =	551.3867	(91.233)
TEMP 9 =	543.8641	(83.975)
TEMP 10 =	550.7505	(91.319)
TEMP 11 =	544.3538	(84.597)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	541.4420	(81.755)
TEMP 14 =	541.5606	(81.910)
TEMP 15 =	541.4893	(81.570)
TEMP 16 =	541.6297	(82.026)
TEMP 17 =	541.0842	(81.143)

PRES 1 =	60.1583	(59263.0)
PRES 2 =	60.1580	(61054.0)

VPRS 1 =	.4406	(75.685)
VPRS 2 =	.0000	(1.120)
VPRS 3 =	.4374	(75.871)
VPRS 4 =	.4515	(76.252)
VPRS 5 =	.4533	(76.565)
VPRS 6 =	.4457	(77.088)
VPRS 7 =	.4892	(78.857)
VPRS 8 =	.4824	(78.831)
VPRS 9 =	.5066	(79.396)

SUMMARY OF CORRECTED DATA

TIME = 0

DATE = 1122

TEMPERATURE (DEGREES R.) =	546.5020
CORRECTED PRESSURE (PSIA) =	59.6947
VAPOR PRESSURE (PSIA) =	.4634
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	118852.0

SUMMARY OF MEASURED DATA AT 15 1122

TEMP	1	=	555.9841	(	96.026)
TEMP	2	=	561.8810	(	102.170)
TEMP	3	=	561.9119	(	101.950)
TEMP	4	=	555.8287	(	95.929)
TEMP	5	=	556.8804	(	97.10J)
TEMP	6	=	543.3632	(	83.831)
TEMP	7	=	545.1603	(	85.136)
TEMP	8	=	551.2087	(	91.056)
TEMP	9	=	543.5697	(	83.682)
TEMP	10	=	550.5649	(	91.134)
TEMP	11	=	544.0676	(	84.312)
TEMP	12	=	460.3710	(	.701)
TEMP	13	=	540.9892	(	81.304)
TEMP	14	=	541.0820	(	81.433)
TEMP	15	=	541.6415	(	81.124)
TEMP	16	=	541.1701	(	81.568)
TEMP	17	=	540.6161	(	80.677)

PRES	1	=	60.1145	(	59220.0)
PRES	2	=	60.1147	(	61010.0)

VPRS	1	=	.4388	(	75.566)
VPRS	2	=	.0000	(	1.118)
VPRS	3	=	.4337	(	75.622)
VPRS	4	=	.4498	(	76.142)
VPRS	5	=	.4502	(	76.364)
VPRS	6	=	.4426	(	76.875)
VPRS	7	=	.4831	(	78.488)
VPRS	8	=	.4807	(	78.720)
VPRS	9	=	.5039	(	79.234)

SUMMARY OF CORRECTED DATA

TIME = 15

DATE = 1122

TEMPERATURE (DEGREES R.)	=	546.2305
CORRECTED PRESSURE (PSIA)	=	59.6542
VAPOR PRESSURE (PSIA)	=	.4604
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118830.4

SUMMARY OF MEASURED DATA AT 30 1122

TEMP 1 =	556.1067	(96.148)
TEMP 2 =	561.9914	(102.280)
TEMP 3 =	562.0723	(102.110)
TEMP 4 =	555.9171	(96.017)
TEMP 5 =	557.0130	(97.232)
TEMP 6 =	543.1494	(83.618)
TEMP 7 =	544.8981	(84.875)
TEMP 8 =	551.0952	(90.943)
TEMP 9 =	543.2994	(83.413)
TEMP 10 =	550.4194	(90.989)
TEMP 11 =	543.8176	(84.063)
TEMP 12 =	460.3700	(.700)
TEMP 13 =	540.7493	(81.065)
TEMP 14 =	540.8140	(81.166)
TEMP 15 =	540.7755	(80.859)
TEMP 16 =	540.8962	(81.295)
TEMP 17 =	540.4002	(80.462)

PRES 1 =	60.0789	(59185.0)
PRES 2 =	60.0783	(60973.0)

VPRS 1 =	.4371	(75.454)
VPRS 2 =	.0000	(1.126)
VPRS 3 =	.4302	(75.381)
VPRS 4 =	.4479	(76.017)
VPRS 5 =	.4477	(76.205)
VPRS 6 =	.4403	(76.718)
VPRS 7 =	.4808	(78.347)
VPRS 8 =	.4794	(78.642)
VPRS 9 =	.5001	(79.014)

SUMMARY OF CORRECTED DATA

TIME = 30

DATE = 1122

TEMPERATURE (DEGREES R.) =	546.0590
CORRECTED PRESSURE (PSIA) =	59.6206
VAPOR PRESSURE (PSIA) =	.4580
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	118800.8

SUMMARY OF MEASURED DATA AT 45 1122

TEMP 1 = 556.3427 (96.383)
 TEMP 2 = 562.1822 (102.470)
 TEMP 3 = 562.2728 (102.310)
 TEMP 4 = 556.0125 (96.112)
 TEMP 5 = 557.1506 (97.369)
 TEMP 6 = 542.9848 (83.454)
 TEMP 7 = 544.6610 (84.639)
 TEMP 8 = 550.9071 (90.756)
 TEMP 9 = 543.0884 (83.203)
 TEMP 10 = 550.2990 (90.869)
 TEMP 11 = 543.6459 (83.892)
 TEMP 12 = 460.3680 (.698)
 TEMP 13 = 540.5334 (80.850)
 TEMP 14 = 540.6404 (80.993)
 TEMP 15 = 540.5767 (80.661)
 TEMP 16 = 540.7316 (81.131)
 TEMP 17 = 540.1863 (80.249)

PRES 1 = 60.0442 (59151.0)
 PRES 2 = 60.0459 (60940.0)

VPRS 1 = .4342 (75.257)
 VPRS 2 = .0000 (1.124)
 VPRS 3 = .4273 (75.180)
 VPRS 4 = .4469 (75.952)
 VPRS 5 = .4454 (76.051)
 VPRS 6 = .4389 (76.619)
 VPRS 7 = .4776 (78.154)
 VPRS 8 = .4779 (78.543)
 VPRS 9 = .4952 (78.721)

SUMMARY OF CORRECTED DATA

TIME = 45
 DATE = 1122

TEMPERATURE (DEGREES R.) = 545.9280
 CORRECTED PRESSURE (PSIA) = 59.5896
 VAPOR PRESSURE (PSIA) = .4555
 VOLUME (CU.FT.) = 403120.0
 AIR MASS (LBM) = 118767.4

SUMMARY OF MEASURED DATA AT 100 1122

TEMP 1	=	556.5104	(	96.550)
TEMP 2	=	562.2324	(	102.520)
TEMP 3	=	562.4633	(	102.500)
TEMP 4	=	556.1089	(	96.208)
TEMP 5	=	557.2499	(	97.468)
TEMP 6	=	542.8463	(	83.316)
TEMP 7	=	544.4581	(	84.437)
TEMP 8	=	550.7584	(	90.608)
TEMP 9	=	542.9106	(	83.026)
TEMP 10	=	550.1596	(	90.730)
TEMP 11	=	543.4592	(	83.706)
TEMP 12	=	460.3700	(	.700)
TEMP 13	=	540.3618	(	80.679)
TEMP 14	=	540.5200	(	80.873)
TEMP 15	=	540.4290	(	80.514)
TEMP 16	=	540.5460	(	80.946)
TEMP 17	=	540.0416	(	80.105)

PRES 1	=	60.0126	(	59120.0)
PRES 2	=	60.0154	(	60909.0)

VPRS 1	=	.4329	(	75.169)
VPRS 2	=	.0000	(	1.126)
VPRS 3	=	.4290	(	75.297)
VPRS 4	=	.4459	(	75.886)
VPRS 5	=	.4445	(	75.994)
VPRS 6	=	.4371	(	76.496)
VPRS 7	=	.4749	(	77.990)
VPRS 8	=	.4755	(	78.389)
VPRS 9	=	.4919	(	78.526)

SUMMARY OF CORRECTED DATA

TIME = 100

DATE = 1122

TEMPERATURE (DEGREES R.)	=	545.8127
CORRECTED PRESSURE (PSIA)	=	59.5599
VAPOR PRESSURE (PSIA)	=	.4542
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118733.3

SUMMARY OF MEASURED DATA AT 115 1122

TEMP 1 =	556.6922	(96.731)
TEMP 2 =	562.3228	(102.610)
TEMP 3 =	562.5635	(102.600)
TEMP 4 =	556.1962	(96.295)
TEMP 5 =	557.3655	(97.583)
TEMP 6 =	542.7097	(83.180)
TEMP 7 =	544.2742	(84.254)
TEMP 8 =	550.6357	(90.486)
TEMP 9 =	542.7568	(82.873)
TEMP 10 =	550.0602	(90.631)
TEMP 11 =	543.3357	(83.583)
TEMP 12 =	460.3700	(.700)
TEMP 13 =	540.2252	(80.543)
TEMP 14 =	540.3976	(80.751)
TEMP 15 =	540.3186	(80.404)
TEMP 16 =	540.4095	(80.810)
TEMP 17 =	539.9111	(79.975)

PRES 1 =	59.9831	(59091.0)
PRES 2 =	59.9849	(60878.0)

VPRS 1 =	.4334	(75.204)
VPRS 2 =	.0000	(1.126)
VPRS 3 =	.4290	(75.297)
VPRS 4 =	.4447	(75.811)
VPRS 5 =	.4429	(75.886)
VPRS 6 =	.4367	(76.467)
VPRS 7 =	.4730	(77.870)
VPRS 8 =	.4754	(78.387)
VPRS 9 =	.4908	(78.462)

SUMMARY OF CORRECTED DATA

TIME = 115

DATE = 1122

TEMPERATURE (DEGREES R.) =	545.7202
CORRECTED PRESSURE (PSIA) =	59.5306
VAPOR PRESSURE (PSIA) =	.4534
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	118695.1

SUMMARY OF MEASURED DATA AT 130 1122

TEMP 1	=	556.8338	(	96.872)
TEMP 2	=	562.4432	(	102.730)
TEMP 3	=	562.6838	(	102.720)
TEMP 4	=	556.2706	(	96.369)
TEMP 5	=	557.4769	(	97.694)
TEMP 6	=	542.5712	(	83.042)
TEMP 7	=	544.1085	(	84.089)
TEMP 8	=	550.5522	(	90.403)
TEMP 9	=	542.6111	(	82.728)
TEMP 10	=	549.9619	(	90.533)
TEMP 11	=	543.1821	(	83.430)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	540.0826	(	80.401)
TEMP 14	=	540.2420	(	80.596)
TEMP 15	=	540.2162	(	80.302)
TEMP 16	=	540.2932	(	80.694)
TEMP 17	=	539.7855	(	79.850)

PRES 1	=	59.9556	(	59064.0)
PRES 2	=	59.9563	(	60849.0)

VPRS 1	=	.4320	(	75.114)
VPRS 2	=	.0000	(	1.127)
VPRS 3	=	.4285	(	75.260)
VPRS 4	=	.4446	(	75.801)
VPRS 5	=	.4430	(	75.892)
VPRS 6	=	.4360	(	76.416)
VPRS 7	=	.4718	(	77.793)
VPRS 8	=	.4752	(	78.375)
VPRS 9	=	.4897	(	78.392)

SUMMARY OF CORRECTED DATA

TIME = 130

DATE = 1122

TEMPERATURE (DEGREES R.)	=	545.6293
CORRECTED PRESSURE (PSIA)	=	59.5032
VAPOR PRESSURE (PSIA)	=	.4528
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118660.1

SUMMARY OF MEASURED DATA AT 145 1122

TEMP 1	=	556.6774	(	97.015)
TEMP 2	=	562.5035	(	102.790)
TEMP 3	=	562.8041	(	102.840)
TEMP 4	=	556.3389	(	96.437)
TEMP 5	=	557.5582	(	97.775)
TEMP 6	=	542.4417	(	82.913)
TEMP 7	=	543.9527	(	83.934)
TEMP 8	=	550.4637	(	90.315)
TEMP 9	=	542.4825	(	82.600)
TEMP 10	=	549.8687	(	90.440)
TEMP 11	=	543.0546	(	83.303)
TEMP 12	=	460.3700	(	.700)
TEMP 13	=	539.9692	(	80.288)
TEMP 14	=	540.1156	(	80.470)
TEMP 15	=	540.1238	(	80.210)
TEMP 16	=	540.1818	(	80.583)
TEMP 17	=	539.6630	(	79.728)

PRES 1	=	59.9271	(	59036.0)
PRES 2	=	59.9287	(	60821.0)

VPRS 1	=	.4311	(	75.051)
VPRS 2	=	.0000	(	1.132)
VPRS 3	=	.4265	(	75.120)
VPRS 4	=	.4437	(	75.743)
VPRS 5	=	.4418	(	75.816)
VPRS 6	=	.4350	(	76.350)
VPRS 7	=	.4740	(	77.934)
VPRS 8	=	.4729	(	78.228)
VPRS 9	=	.4917	(	78.512)

SUMMARY OF CORRECTED DATA

TIME = 145

DATE = 1122

TEMPERATURE (DEGREES R.)	=	545.5458
CORRECTED PRESSURE (PSIA)	=	59.4756
VAPOR PRESSURE (PSIA)	=	.4523
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118623.4

SUMMARY OF MEASURED DATA AT 200 1122

TEMP 1 =	557.1291	(97.166)
TEMP 2 =	562.5637	(102.850)
TEMP 3 =	562.8643	(102.900)
TEMP 4 =	556.4192	(96.517)
TEMP 5 =	557.6526	(97.869)
TEMP 6 =	542.3403	(82.812)
TEMP 7 =	543.8141	(83.796)
TEMP 8 =	550.3904	(90.242)
TEMP 9 =	542.3680	(82.486)
TEMP 10 =	549.7764	(90.348)
TEMP 11 =	542.9602	(83.209)
TEMP 12 =	460.3700	(.700)
TEMP 13 =	539.8638	(80.183)
TEMP 14 =	540.0262	(80.381)
TEMP 15 =	540.0445	(80.131)
TEMP 16 =	540.0914	(80.493)
TEMP 17 =	539.5726	(79.638)

PRES 1 =	59.8996	(59009.0)
PRES 2 =	59.9010	(60793.0)

VPRS 1 =	.4317	(75.088)
VPRS 2 =	.0000	(1.129)
VPRS 3 =	.4277	(75.207)
VPRS 4 =	.4440	(75.762)
VPRS 5 =	.4414	(75.785)
VPRS 6 =	.4342	(76.295)
VPRS 7 =	.4693	(77.638)
VPRS 8 =	.4719	(78.163)
VPRS 9 =	.4889	(78.344)

SUMMARY OF CORRECTED DATA

TIME = 200

DATE = 1122

TEMPERATURE (DEGREES R.) =	545.4789
CORRECTED PRESSURE (PSIA) =	59.4490
VAPOR PRESSURE (PSIA) =	.4513
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	118584.8

SUMMARY OF MEASURED DATA AT 215 1122

TEMP 1 =	557.2838	(97.320)
TEMP 2 =	562.6641	(102.950)
TEMP 3 =	562.9445	(102.980)
TEMP 4 =	556.4885	(96.586)
TEMP 5 =	557.7470	(97.963)
TEMP 6 =	542.2289	(82.701)
TEMP 7 =	543.6855	(83.668)
TEMP 8 =	550.3069	(90.159)
TEMP 9 =	542.2635	(82.382)
TEMP 10 =	549.6880	(90.260)
TEMP 11 =	542.8588	(83.108)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	539.7523	(80.072)
TEMP 14 =	539.9199	(80.275)
TEMP 15 =	539.9602	(80.047)
TEMP 16 =	539.9811	(80.383)
TEMP 17 =	539.4521	(79.518)

PRES 1 =	59.8732	(58983.0)
PRES 2 =	59.8744	(60766.0)

VPRS 1 =	.4307	(75.025)
VPRS 2 =	.0000	(1.129)
VPRS 3 =	.4252	(75.029)
VPRS 4 =	.4430	(75.697)
VPRS 5 =	.4413	(75.781)
VPRS 6 =	.4343	(76.301)
VPRS 7 =	.4688	(77.609)
VPRS 8 =	.4713	(78.123)
VPRS 9 =	.4871	(78.241)

SUMMARY OF CORRECTED DATA

TIME = 215

DATE = 1122

TEMPERATURE (DEGREES R.) =	545.4069
CORRECTED PRESSURE (PSIA) =	59.4234
VAPOR PRESSURE (PSIA) =	.4503
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	118549.4

SUMMARY OF MEASURED DATA AT 230 1122

TEMP	1	=	557.4123	(	97.448)
TEMP	2	=	562.7344	(	103.020)
TEMP	3	=	563.0448	(	103.080)
TEMP	4	=	556.5497	(	96.647)
TEMP	5	=	557.8214	(	98.037)
TEMP	6	=	542.1305	(	82.603)
TEMP	7	=	543.5800	(	83.563)
TEMP	8	=	550.2687	(	90.121)
TEMP	9	=	542.1640	(	82.281)
TEMP	10	=	549.6098	(	90.182)
TEMP	11	=	542.7684	(	83.018)
TEMP	12	=	460.3680	(	.698)
TEMP	13	=	539.7001	(	80.020)
TEMP	14	=	539.8245	(	80.180)
TEMP	15	=	539.8818	(	79.969)
TEMP	16	=	539.9349	(	80.337)
TEMP	17	=	539.3677	(	79.434)

PRES	1	=	59.8467	(	58957.0)
PRES	2	=	59.8467	(	60738.0)

VPRS	1	=	.4298	(	74.961)
VPRS	2	=	.0000	(	1.130)
VPRS	3	=	.4266	(	75.128)
VPRS	4	=	.4426	(	75.669)
VPRS	5	=	.4412	(	75.775)
VPRS	6	=	.4344	(	76.304)
VPRS	7	=	.4671	(	77.500)
VPRS	8	=	.4704	(	78.065)
VPRS	9	=	.4888	(	78.340)

SUMMARY OF CORRECTED DATA

TIME = 230

DATE = 1122

TEMPERATURE (DEGREES R.)	=	545.3544
CORRECTED PRESSURE (PSIA)	=	59.3964
VAPOR PRESSURE (PSIA)	=	.4503
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118507.0

SUMMARY OF MEASURED DATA AT 245 1122

TEMP 1	=	557.5408	(	97.576)
TEMP 2	=	562.7947	(	103.080)
TEMP 3	=	563.1049	(	103.140)
TEMP 4	=	556.6221	(	96.719)
TEMP 5	=	557.8826	(	98.098)
TEMP 6	=	542.0231	(	82.496)
TEMP 7	=	543.4725	(	83.456)
TEMP 8	=	550.2043	(	90.057)
TEMP 9	=	542.0685	(	82.188)
TEMP 10	=	549.5566	(	90.129)
TEMP 11	=	542.6609	(	82.911)
TEMP 12	=	460.3670	(	.697)
TEMP 13	=	539.6259	(	79.946)
TEMP 14	=	539.7252	(	80.081)
TEMP 15	=	539.8005	(	79.888)
TEMP 16	=	539.8566	(	80.259)
TEMP 17	=	539.3015	(	79.368)

PRES 1	=	59.8223	(	58933.0)
PRES 2	=	59.8211	(	60712.0)

VPRS 1	=	.4316	(	75.082)
VPRS 2	=	.0000	(	1.132)
VPRS 3	=	.4265	(	75.123)
VPRS 4	=	.4420	(	75.631)
VPRS 5	=	.4408	(	75.747)
VPRS 6	=	.4339	(	76.269)
VPRS 7	=	.4674	(	77.522)
VPRS 8	=	.4699	(	78.030)
VPRS 9	=	.4865	(	78.201)

SUMMARY OF CORRECTED DATA

TIME = 245

DATE = 1122

TEMPERATURE (DEGREES R.)	=	545.2953
CORRECTED PRESSURE (PSIA)	=	59.3718
VAPOR PRESSURE (PSIA)	=	.4499
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118470.6

SUMMARY OF MEASURED DATA AT 300 1122

TEMP 1 =	557.6704	(97.705)
TEMP 2 =	562.8448	(103.130)
TEMP 3 =	563.1451	(103.180)
TEMP 4 =	556.6813	(96.778)
TEMP 5 =	557.9378	(98.153)
TEMP 6 =	541.9407	(82.414)
TEMP 7 =	543.3620	(83.346)
TEMP 8 =	550.1380	(89.991)
TEMP 9 =	541.9902	(82.110)
TEMP 10 =	549.4553	(90.028)
TEMP 11 =	542.5817	(82.832)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	539.5486	(79.869)
TEMP 14 =	539.6700	(80.026)
TEMP 15 =	539.7353	(79.823)
TEMP 16 =	539.8075	(80.210)
TEMP 17 =	539.2070	(79.274)

PRES 1 =	59.7989	(58910.0)
PRES 2 =	59.7964	(60687.0)

VPRS 1 =	.4314	(75.073)
VPRS 2 =	.0000	(1.132)
VPRS 3 =	.4264	(75.117)
VPRS 4 =	.4421	(75.639)
VPRS 5 =	.4405	(75.727)
VPRS 6 =	.4332	(76.222)
VPRS 7 =	.4660	(77.435)
VPRS 8 =	.4690	(77.973)
VPRS 9 =	.4854	(78.137)

SUMMARY OF CORRECTED DATA

TIME = 300

DATE = 1122

TEMPERATURE (DEGREES R.) =	545.2402
CORRECTED PRESSURE (PSIA) =	59.3483
VAPOR PRESSURE (PSIA) =	.4494
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	118435.7

SUMMARY OF MEASURED DATA AT 315 1122

TEMP 1	=	557.7648	(	97.799)
TEMP 2	=	562.8750	(	103.160)
TEMP 3	=	563.1852	(	103.220)
TEMP 4	=	556.7134	(	96.810)
TEMP 5	=	558.0051	(	98.220)
TEMP 6	=	541.8574	(	82.331)
TEMP 7	=	543.2706	(	83.255)
TEMP 8	=	550.0908	(	89.944)
TEMP 9	=	541.9058	(	82.026)
TEMP 10	=	549.4172	(	89.990)
TEMP 11	=	542.4893	(	82.740)
TEMP 12	=	460.3670	(	.697)
TEMP 13	=	539.4904	(	79.811)
TEMP 14	=	539.5998	(	79.956)
TEMP 15	=	539.6620	(	79.750)
TEMP 16	=	539.7664	(	80.169)
TEMP 17	=	539.1678	(	79.235)

PRES 1	=	59.7744	(	58886.0)
PRES 2	=	59.7727	(	60663.0)

VPRS 1	=	.4299	(	74.972)
VPRS 2	=	.0000	(	1.133)
VPRS 3	=	.4264	(	75.112)
VPRS 4	=	.4421	(	75.639)
VPRS 5	=	.4403	(	75.714)
VPRS 6	=	.4335	(	75.242)
VPRS 7	=	.4647	(	77.351)
VPRS 8	=	.4686	(	77.946)
VPRS 9	=	.4934	(	78.018)

SUMMARY OF CORRECTED DATA

TIME = 315

DATE = 1122

TEMPERATURE (DEGREES R.)	=	545.1940
CORRECTED PRESSURE (PSIA)	=	59.3248
VAPOR PRESSURE (PSIA)	=	.4488
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118398.8

SUMMARY OF MEASURED DATA AT 330 1122

TEMP	1	=	55.8934	(	97.927)
TEMP	2	=	56.9352	(	103.220)
TEMP	3	=	53.2654	(	103.300)
TEMP	4	=	56.7736	(	96.850)
TEMP	5	=	55.0184	(	98.283)
TEMP	6	=	54.7831	(	82.257)
TEMP	7	=	543.702	(	83.775)
TEMP	8	=	550.063	(	89.860)
TEMP	9	=	54.1293	(	81.950)
TEMP	10	=	54.1400	(	89.913)
TEMP	11	=	54.1080	(	82.659)
TEMP	12	=	55.3680	(	.698)
TEMP	13	=	539.4102	(	79.731)
TEMP	14	=	539.5356	(	79.892)
TEMP	15	=	539.6218	(	79.710)
TEMP	16	=	539.6981	(	80.098)
TEMP	17	=	54.0684	(	79.136)
PRE	1	=	59.75	(	58863.0)
PRE	2	=	59.74	(	60638.0)
VPRS	1	=	.4307	(	75.010)
VPRS	2	=	.0004	(	1.138)
VPRS	3	=	.4260	(	75.085)
VPRS	4	=	.4716	(	75.608)
VPRS	5	=	.4404	(	75.723)
VPRS	6	=	.4341	(	76.273)
VPRS	7	=	.4652	(	77.375)
VPRS	8	=	.4681	(	77.910)
VPRS	9	=	.4850	(	78.112)

SUMMARY OF CORRECTED DATA

TIME = 30

DATE = 112.

TEMPERATURE (DEGREES R.)	=	545.1420
CORRECTED PRESSURE (PSIA)	=	59.3006
VAPOR PRESSURE (PSIA)	=	.4490
VOLUME (CU.FT.)	=	40.120.0
AIR MASS (LBM)	=	113.61.3

SUMMARY OF MEASURED DATA AT 345 1122

TEMP	1	=	557.9918	(	98.025)
TEMP	2	=	562.9955	(	103.280)
TEMP	3	=	563.2955	(	103.330)
TEMP	4	=	556.8199	(	96.916)
TEMP	5	=	558.1035	(	98.318)
TEMP	6	=	541.7059	(	82.180)
TEMP	7	=	543.1018	(	83.087)
TEMP	8	=	549.9500	(	89.804)
TEMP	9	=	541.551	(	81.886)
TEMP	10	=	549.3129	(	89.886)
TEMP	11	=	542.3287	(	82.580)
TEMP	12	=	460.3700	(	.700)
TEMP	13	=	539.3359	(	79.657)
TEMP	14	=	539.4844	(	79.841)
TEMP	15	=	539.5526	(	79.641)
TEMP	16	=	539.5978	(	80.001)
TEMP	17	=	539.0122	(	79.080)

PRES	1	=	59.7266	(	58839.0)
PRES	2	=	59.7253	(	60615.0)

VPRS	1	=	.4303	(	74.997)
VPRS	2	=	.0000	(	1.136)
VPRS	3	=	.4276	(	75.198)
VPRS	4	=	.4411	(	75.572)
VPRS	5	=	.4401	(	75.700)
VPRS	6	=	.4338	(	76.266)
VPRS	7	=	.4638	(	77.296)
VPRS	8	=	.4675	(	77.876)
VPRS	9	=	.4840	(	78.053)

SUMMARY OF CORRECTED DATA

TIME = 345

DATE = 1122

TEMPERATURE (DEGREES R.)	=	545.0948
CORRECTED PRESSURE (PSIA)	=	59.2773
VAPOR PRESSURE (PSIA)	=	.4487
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118325.5

SUMMARY OF MEASURED DATA AT 400 1122

TEMP 1 =	558.0933	(98.126)
TEMP 2 =	563.0758	(103.360)
TEMP 3 =	563.3556	(103.390)
TEMP 4 =	556.8530	(96.949)
TEMP 5 =	558.1537	(98.368)
TEMP 6 =	541.6446	(82.119)
TEMP 7 =	543.0124	(82.998)
TEMP 8 =	549.8806	(89.735)
TEMP 9 =	541.6957	(81.817)
TEMP 10 =	549.2396	(89.813)
TEMP 11 =	542.2644	(82.516)
TEMP 12 =	460.3670	(.697)
TEMP 13 =	539.2697	(79.591)
TEMP 14 =	539.4352	(79.792)
TEMP 15 =	539.5175	(79.606)
TEMP 16 =	539.6038	(80.007)
TEMP 17 =	538.9419	(79.010)

PRES 1 =	59.7042	(58817.0)
PRES 2 =	59.7026	(60592.0)

VPRS 1 =	.4312	(75.061)
VPRS 2 =	.0000	(1.135)
VPRS 3 =	.4267	(75.137)
VPRS 4 =	.4413	(75.587)
VPRS 5 =	.4400	(75.695)
VPRS 6 =	.4334	(76.239)
VPRS 7 =	.4643	(77.327)
VPRS 8 =	.4671	(77.854)
VPRS 9 =	.4855	(78.140)

SUMMARY OF CORRECTED DATA

TIME = 400

DATE = 1122

TEMPERATURE (DEGREES R.) =	545.0554
CORRECTED PRESSURE (PSIA) =	59.2546
VAPOR PRESSURE (PSIA) =	.4488
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	118288.9

SUMMARY OF MEASURED DATA AT 415 1122

TEMP 1	=	558.1866	(	98.219)
TEMP 2	=	563.0758	(	103.360)
TEMP 3	=	563.3656	(	103.400)
TEMP 4	=	556.8983	(	96.994)
TEMP 5	=	558.2089	(	98.423)
TEMP 6	=	541.5793	(	82.054)
TEMP 7	=	542.9481	(	82.934)
TEMP 8	=	549.8484	(	89.703)
TEMP 9	=	541.6334	(	81.755)
TEMP 10	=	549.1955	(	89.769)
TEMP 11	=	542.2001	(	82.452)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	539.2235	(	79.545)
TEMP 14	=	539.3671	(	79.724)
TEMP 15	=	539.4853	(	79.574)
TEMP 16	=	539.5215	(	79.925)
TEMP 17	=	538.8937	(	78.962)

PRES 1	=	59.6808	(	58794.0)
PRES 2	=	59.6799	(	60569.0)

VPRS 1	=	.4304	(	75.001)
VPRS 2	=	.0000	(	1.130)
VPPS 3	=	.4264	(	75.112)
VPRS 4	=	.4416	(	75.607)
VPRS 5	=	.4403	(	75.714)
VPRS 6	=	.4332	(	76.225)
VPRS 7	=	.4631	(	77.250)
VPRS 8	=	.4663	(	77.798)
VPRS 9	=	.4843	(	78.071)

SUMMARY OF CORRECTED DATA

TIME = 415

DATE = 1122

TEMPERATURE (DEGREES R.)	=	545.0161
CORRECTED PRESSURE (PSIA)	=	59.2320
VAPOR PRESSURE (PSIA)	=	.4483
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118252.3

SUMMARY OF MEASURED DATA AT 430 1122

TEMP 1	=	558.2780	(	98.310)
TEMP 2	=	563.1160	(	103.400)
TEMP 3	=	563.4459	(	103.480)
TEMP 4	=	556.9424	(	97.038)
TEMP 5	=	558.2491	(	98.463)
TEMP 6	=	541.5222	(	81.997)
TEMP 7	=	542.8838	(	82.870)
TEMP 8	=	549.7670	(	89.622)
TEMP 9	=	541.5721	(	81.694)
TEMP 10	=	549.1403	(	89.714)
TEMP 11	=	542.1389	(	82.391)
TEMP 12	=	460.3670	(	.697)
TEMP 13	=	539.2095	(	79.531)
TEMP 14	=	539.3300	(	79.687)
TEMP 15	=	539.4532	(	79.542)
TEMP 16	=	539.5045	(	79.908)
TEMP 17	=	538.8525	(	78.921)

PRES 1	=	59.6584	(	58772.0)
PRES 2	=	59.6562	(	60545.0)

VPRS 1	=	.4306	(	75.018)
VPRS 2	=	.0000	(	1.038)
VPRS 3	=	.4267	(	75.135)
VPRS 4	=	.4405	(	75.535)
VPRS 5	=	.4397	(	75.676)
VPRS 6	=	.4333	(	76.229)
VPRS 7	=	.4631	(	77.250)
VPRS 8	=	.4660	(	77.777)
VPRS 9	=	.4832	(	78.001)

SUMMARY OF CORRECTED DATA

TIME = 430

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.9851
CORRECTED PRESSURE (PSIA)	=	59.2093
VAPOR PRESSURE (PSIA)	=	.4480
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118213.7

SUMMARY OF MEASURED DATA AT 445 1122

TEMP 1	=	558.3765	(	98.408)
TEMP 2	=	563.1863	(	103.470)
TEMP 3	=	563.4659	(	103.500)
TEMP 4	=	556.9856	(	97.081)
TEMP 5	=	558.2993	(	98.513)
TEMP 6	=	541.4609	(	81.936)
TEMP 7	=	542.8165	(	82.803)
TEMP 8	=	549.7439	(	89.599)
TEMP 9	=	541.5269	(	81.649)
TEMP 10	=	549.1143	(	89.688)
TEMP 11	=	542.0857	(	82.338)
TEMP 12	=	460.3700	(	.700)
TEMP 13	=	539.1001	(	79.422)
TEMP 14	=	539.2708	(	79.628)
TEMP 15	=	539.3870	(	79.476)
TEMP 16	=	539.4593	(	79.863)
TEMP 17	=	538.8154	(	78.884)

PRES 1	=	59.6360	(	58750.0)
PRES 2	=	59.6345	(	60523.0)

VPRS 1	=	.4304	(	75.007)
VPRS 2	=	.0000	(	1.138)
VPRS 3	=	.4245	(	74.981)
VPRS 4	=	.4406	(	75.543)
VPRS 5	=	.4394	(	75.654)
VPRS 6	=	.4332	(	76.222)
VPRS 7	=	.4633	(	77.261)
VPRS 8	=	.4670	(	77.841)
VPRS 9	=	.4843	(	78.068)

SUMMARY OF CORRECTED DATA

TIME = 445

DATE = 1122

TEMPERATURE (DEGREES F)	=	544.9488
CORRECTED PRESSURE (PSIA)	=	59.1874
VAPOR PRESSURE (PSIA)	=	.4479
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118177.8

SUMMARY OF MEASURED DATA AT 500 1122

TEMP 1	=	558.4608	(	98.492)
TEMP 2	=	563.2164	(	103.500)
TEMP 3	=	563.4960	(	103.530)
TEMP 4	=	557.0328	(	97.128)
TEMP 5	=	558.3626	(	98.576)
TEMP 6	=	541.4137	(	81.889)
TEMP 7	=	542.7582	(	82.745)
TEMP 8	=	549.6876	(	89.543)
TEMP 9	=	541.4717	(	81.594)
TEMP 10	=	549.0851	(	89.659)
TEMP 11	=	542.0365	(	82.289)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	539.0720	(	79.394)
TEMP 14	=	539.2095	(	79.567)
TEMP 15	=	539.3920	(	79.481)
TEMP 16	=	539.4342	(	79.838)
TEMP 17	=	538.7822	(	78.851)

PRES 1	=	59.6147	(	58729.0)
PRES 2	=	59.6118	(	60500.0)

VPRS 1	=	.4307	(	75.024)
VPRS 2	=	.0000	(	1.139)
VPRS 3	=	.4262	(	75.100)
VPRS 4	=	.4406	(	75.537)
VPRS 5	=	.4398	(	75.683)
VPRS 6	=	.4324	(	76.170)
VPRS 7	=	.4621	(	77.188)
VPRS 8	=	.4657	(	77.761)
VPRS 9	=	.4804	(	77.836)

SUMMARY OF CORRECTED DATA

TIME = 500

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.9239
CORRECTED PRESSURE (PSIA)	=	59.1659
VAPOR PRESSURE (PSIA)	=	.4473
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118140.2

SUMMARY OF MEASURED DATA AT 515 1122

TEMP 1 =	558.5432	(98.574)
TEMP 2 =	563.2465	(103.530)
TEMP 3 =	563.5261	(103.560)
TEMP 4 =	557.0710	(97.166)
TEMP 5 =	558.4269	(98.640)
TEMP 6 =	541.3595	(81.835)
TEMP 7 =	542.7000	(82.687)
TEMP 8 =	549.6746	(89.530)
TEMP 9 =	541.4184	(81.541)
TEMP 10 =	549.0470	(89.621)
TEMP 11 =	541.9792	(82.232)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.9988	(79.321)
TEMP 14 =	539.1844	(79.542)
TEMP 15 =	539.3328	(79.422)
TEMP 16 =	539.3840	(79.788)
TEMP 17 =	538.7350	(78.804)

PRES 1 =	59.5933	(58708.0)
PRES 2 =	59.5901	(60478.0)

VPRS 1 =	.4302	(74.990)
VPRS 2 =	.0000	(1.132)
VPRS 3 =	.4258	(75.076)
VPRS 4 =	.4415	(75.598)
VPRS 5 =	.4394	(75.654)
VPRS 6 =	.4323	(76.164)
VPRS 7 =	.4624	(77.207)
VPRS 8 =	.4670	(77.844)
VPRS 9 =	.4824	(77.952)

SUMMARY OF CORRECTED DATA

TIME = 515

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.8918
CORRECTED PRESSURE (PSIA) =	59.1439
VAPOR PRESSURE (PSIA) =	.4478
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	118103.3

SUMMARY OF MEASURED DATA AT 530 1122

TEMP 1	=	558.6044	(	98.635)
TEMP 2	=	563.2867	(	103.570)
TEMP 3	=	563.5361	(	103.570)
TEMP 4	=	557.0891	(	97.184)
TEMP 5	=	558.4409	(	98.654)
TEMP 6	=	541.3234	(	81.799)
TEMP 7	=	542.6477	(	82.635)
TEMP 8	=	549.6534	(	89.509)
TEMP 9	=	541.3752	(	81.498)
TEMP 10	=	548.9848	(	89.559)
TEMP 11	=	541.9351	(	82.188)
TEMP 12	=	460.3670	(	.627)
TEMP 13	=	538.9998	(	79.322)
TEMP 14	=	539.1473	(	79.505)
TEMP 15	=	539.3006	(	79.390)
TEMP 16	=	539.3519	(	79.756)
TEMP 17	=	538.6918	(	78.761)

PRES 1	=	59.5709	(	58686.0)
PRES 2	=	59.5693	(	60457.0)

VPRS 1	=	.4304	(	75.006)
VPRS 2	=	.0000	(	1.136)
VPRS 3	=	.4261	(	75.096)
VPRS 4	=	.4403	(	75.523)
VPRS 5	=	.4400	(	75.694)
VPRS 6	=	.4328	(	76.199)
VPRS 7	=	.4621	(	77.188)
VPRS 8	=	.4663	(	77.800)
VPRS 9	=	.4822	(	77.940)

SUMMARY OF CORRECTED DATA

TIME = 530

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.8652
CORRECTED PRESSURE (PSIA)	=	59.1225
VAPOR PRESSURE (PSIA)	=	.4476
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	118066.3

SUMMARY OF MEASURED DATA AT 545 1122

TEMP 1 =	558.6677	(98.698)
TEMP 2 =	563.2867	(103.570)
TEMP 3 =	563.5862	(103.620)
TEMP 4 =	557.1312	(97.226)
TEMP 5 =	558.4881	(98.701)
TEMP 6 =	541.2832	(81.759)
TEMP 7 =	542.5864	(82.574)
TEMP 8 =	549.6132	(89.469)
TEMP 9 =	541.3310	(81.454)
TEMP 10 =	548.9286	(89.503)
TEMP 11 =	541.8818	(82.135)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.9355	(79.258)
TEMP 14 =	539.1112	(79.469)
TEMP 15 =	539.2695	(79.359)
TEMP 16 =	539.3258	(79.730)
TEMP 17 =	538.6607	(78.730)

PRES 1 =	59.5505	(58666.0)
PRES 2 =	59.5486	(60436.0)

VPRS 1 =	.4301	(74.981)
VPRS 2 =	.0000	(1.138)
VPRS 3 =	.4260	(75.088)
VPRS 4 =	.4403	(75.517)
VPRS 5 =	.4394	(75.657)
VPRS 6 =	.4326	(76.185)
VPRS 7 =	.4608	(77.104)
VPRS 8 =	.4657	(77.763)
VPRS 9 =	.4806	(77.848)

SUMMARY OF CORRECTED DATA

TIME = 545

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.8352
CORRECTED PRESSURE (PSIA) =	59.1025
VAPOR PRESSURE (PSIA) =	.4471
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	118032.9

SUMMARY OF MEASURED DATA AT 600 1122

TEMP 1 =	558.7561	(98.786)
TEMP 2 =	563.3369	(103.620)
TEMP 3 =	563.6163	(103.650)
TEMP 4 =	557.1764	(97.271)
TEMP 5 =	558.5142	(98.727)
TEMP 6 =	541.2330	(81.709)
TEMP 7 =	542.5493	(82.537)
TEMP 8 =	549.5720	(89.428)
TEMP 9 =	541.2868	(81.410)
TEMP 10 =	548.9026	(89.477)
TEMP 11 =	541.8417	(82.095)
TEMP 12 =	460.3670	(.697)
TEMP 13 =	538.9125	(79.235)
TEMP 14 =	539.0877	(79.441)
TEMP 15 =	539.2454	(79.335)
TEMP 16 =	539.2937	(79.698)
TEMP 17 =	538.6506	(78.720)

PRES 1 =	59.5282	(58644.0)
PRES 2 =	59.5269	(60414.0)

VPRS 1 =	.4298	(74.960)
VPRS 2 =	.0000	(1.138)
VPRS 3 =	.4280	(75.224)
VPRS 4 =	.4406	(75.540)
VPRS 5 =	.4393	(75.645)
VPRS 6 =	.4332	(76.225)
VPRS 7 =	.4603	(77.075)
VPRS 8 =	.4656	(77.754)
VPRS 9 =	.4820	(77.928)

SUMMARY OF CORRECTED DATA

TIME = 600

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.8152
CORRECTED PRESSURE (PSIA) =	59.0800
VAPOR PRESSURE (PSIA) =	.4475
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117992.2

SUMMARY OF MEASURED DATA AT 615 1122

TEMP 1 =	558.8304	(98.860)
TEMP 2 =	563.3469	(103.630)
TEMP 3 =	563.6464	(103.680)
TEMP 4 =	557.2146	(97.309)
TEMP 5 =	558.5604	(98.773)
TEMP 6 =	541.1959	(81.672)
TEMP 7 =	542.4910	(82.479)
TEMP 8 =	549.5489	(89.405)
TEMP 9 =	541.2466	(81.370)
TEMP 10 =	548.8644	(89.439)
TEMP 11 =	541.8046	(82.058)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.8974	(79.220)
TEMP 14 =	539.0560	(79.414)
TEMP 15 =	539.2143	(79.304)
TEMP 16 =	539.2585	(79.663)
TEMP 17 =	538.6315	(78.701)

PRES 1 =	59.5078	(58624.0)
PRES 2 =	59.5061	(60393.0)

VPRS 1 =	.4310	(75.044)
VPRS 2 =	.0000	(1.139)
VPRS 3 =	.4262	(75.103)
VPRS 4 =	.4401	(75.505)
VPRS 5 =	.4397	(75.672)
VPRS 6 =	.4322	(76.153)
VPRS 7 =	.4607	(77.098)
VPRS 8 =	.4649	(77.711)
VPRS 9 =	.4816	(77.906)

SUMMARY OF CORRECTED DATA

TIME = 615

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.7942
CORRECTED PRESSURE (PSIA) =	59.0599
VAPOR PRESSURE (PSIA) =	.4471
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117956.6

SUMMARY OF MEASURED DATA AT 630 1122

TEMP 1 =	558.8776	(98.907)
TEMP 2 =	563.3770	(103.660)
TEMP 3 =	563.6765	(103.710)
TEMP 4 =	557.2277	(97.322)
TEMP 5 =	558.6247	(98.837)
TEMP 6 =	541.1527	(81.629)
TEMP 7 =	542.4357	(82.424)
TEMP 8 =	549.5227	(89.379)
TEMP 9 =	541.2094	(81.333)
TEMP 10 =	548.8353	(89.410)
TEMP 11 =	541.7574	(82.011)
TEMP 12 =	460.3670	(.697)
TEMP 13 =	538.8362	(79.159)
TEMP 14 =	539.0039	(79.362)
TEMP 15 =	539.2083	(79.298)
TEMP 16 =	539.2766	(79.681)
TEMP 17 =	538.5954	(78.665)

PRES 1 =	59.4864	(58603.0)
PRES 2 =	59.4854	(60372.0)

VPRS 1 =	.4296	(74.951)
VPRS 2 =	.0000	(1.138)
VPRS 3 =	.4263	(75.105)
VPRS 4 =	.4410	(75.569)
VPRS 5 =	.4395	(75.660)
VPRS 6 =	.4324	(76.171)
VPRS 7 =	.4592	(77.006)
VPRS 8 =	.4657	(77.760)
VPRS 9 =	.4830	(77.993)

SUMMARY OF CORRECTED DATA

TIME = 630

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.7717
CORRECTED PRESSURE (PSIA) =	59.0386
VAPOR PRESSURE (PSIA) =	.4473
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117919.1

SUMMARY OF MEASURED DATA AT 645 1122

TEMP 1	=	558.9278	(	98.957)
TEMP 2	=	563.4072	(	103.690)
TEMP 3	=	563.7266	(	103.760)
TEMP 4	=	557.2628	(	97.357)
TEMP 5	=	558.6608	(	98.873)
TEMP 6	=	541.1256	(	81.602)
TEMP 7	=	542.4026	(	82.391)
TEMP 8	=	549.4775	(	89.334)
TEMP 9	=	541.1702	(	81.294)
TEMP 10	=	548.6093	(	89.384)
TEMP 11	=	541.7192	(	81.973)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	538.8332	(	79.156)
TEMP 14	=	538.9798	(	79.338)
TEMP 15	=	539.1591	(	79.249)
TEMP 16	=	539.2425	(	79.647)
TEMP 17	=	538.5632	(	78.633)

PRES 1	=	59.4661	(	58583.0)
PRES 2	=	59.4647	(	60351.0)

VPRS 1	=	.4292	(	74.926)
VPRS 2	=	.0000	(	1.141)
VPRS 3	=	.4253	(	75.038)
VPRS 4	=	.4404	(	75.528)
VPRS 5	=	.4395	(	75.663)
VPRS 6	=	.4322	(	76.152)
VPRS 7	=	.4605	(	77.088)
VPRS 8	=	.4651	(	77.720)
VPRS 9	=	.4826	(	77.967)

SUMMARY OF CORRECTED DATA

TIME = 645

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.7514
CORRECTED PRESSURE (PSIA)	=	59.0184
VAPOR PRESSURE (PSIA)	=	.4470
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117883.0

SUMMARY OF MEASURED DATA AT 700 1122

TEMP	1	=	558.9961	(	99.025)
TEMP	2	=	563.4373	(	103.720)
TEMP	3	=	563.7266	(	103.760)
TEMP	4	=	557.3069	(	97.401)
TEMP	5	=	558.6949	(	98.907)
TEMP	6	=	541.0915	(	81.568)
TEMP	7	=	542.3654	(	82.354)
TEMP	8	=	549.4493	(	89.306)
TEMP	9	=	541.1441	(	81.268)
TEMP	10	=	548.7661	(	89.341)
TEMP	11	=	541.6760	(	81.930)
TEMP	12	=	460.3680	(	.698)
TEMP	13	=	538.8041	(	79.127)
TEMP	14	=	538.9407	(	79.299)
TEMP	15	=	539.1651	(	79.255)
TEMP	16	=	539.2134	(	79.618)
TEMP	17	=	538.5733	(	78.643)

PRES	1	=	59.4457	(	8563.0)
PRES	2	=	59.4449	(	60331.0)

VPRS	1	=	.4300	(	74.975)
VPRS	2	=	.0000	(	1.142)
VPRS	3	=	.4258	(	75.073)
VPRS	4	=	.4401	(	75.508)
VPRS	5	=	.4393	(	75.651)
VPRS	6	=	.4328	(	76.197)
VPRS	7	=	.4597	(	77.034)
VPRS	8	=	.4644	(	77.676)
VPRS	9	=	.4806	(	77.848)

SUMMARY OF CORRECTED DATA

TIME = 700

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.7349
CORRECTED PRESSURE (PSIA)	=	58.9986
VAPOR PRESSURE (PSIA)	=	.4467
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117847.2

SUMMARY OF MEASURED DATA AT 715 1122

TEMP 1 =	559.0433	(99.072)
TEMP 2 =	563.4875	(103.770)
TEMP 3 =	563.7667	(103.800)
TEMP 4 =	557.3341	(97.428)
TEMP 5 =	558.7191	(98.931)
TEMP 6 =	541.0583	(81.535)
TEMP 7 =	542.3323	(82.321)
TEMP 8 =	549.3910	(89.248)
TEMP 9 =	541.1059	(81.230)
TEMP 10 =	548.7360	(89.311)
TEMP 11 =	541.6500	(81.904)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.8041	(79.127)
TEMP 14 =	538.9366	(79.295)
TEMP 15 =	539.1209	(79.211)
TEMP 16 =	539.2074	(79.612)
TEMP 17 =	538.5341	(78.604)

PRES 1 =	59.4243	(58542.0)
PRES 2 =	59.4242	(60310.0)

VPRS 1 =	.4295	(74.940)
VPRS 2 =	.0000	(1.144)
VPRS 3 =	.4253	(75.039)
VPRS 4 =	.4402	(75.515)
VPRS 5 =	.4400	(75.694)
VPRS 6 =	.4326	(76.185)
VPRS 7 =	.4598	(77.040)
VPRS 8 =	.4652	(77.728)
VPRS 9 =	.4828	(77.980)

SUMMARY OF CORRECTED DATA

TIME = 715

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.7167
CORRECTED PRESSURE (PSIA) =	58.9772
VAPOR PRESSURE (PSIA) =	.4470
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117808.4

SUMMARY OF MEASURED DATA AT 730 1122

TEMP 1	=	559.0955	(	99.124)
TEMP 2	=	563.4875	(	103.770)
TEMP 3	=	563.7667	(	103.800)
TEMP 4	=	557.3632	(	97.457)
TEMP 5	=	558.7361	(	98.948)
TEMP 6	=	541.0303	(	81.507)
TEMP 7	=	542.2891	(	82.278)
TEMP 8	=	549.3759	(	89.233)
TEMP 9	=	541.0748	(	81.199)
TEMP 10	=	548.6899	(	89.265)
TEMP 11	=	541.6168	(	81.871)
TEMP 12	=	460.3670	(	.697)
TEMP 13	=	538.7961	(	79.119)
TEMP 14	=	538.9045	(	79.263)
TEMP 15	=	539.1069	(	79.197)
TEMP 16	=	539.1984	(	79.603)
TEMP 17	=	538.5171	(	78.587)

PRES 1	=	59.4030	(	58521.0)
PRES 2	=	59.4035	(	60289.0)

VPRS 1	=	.4302	(	74.990)
VPRS 2	=	.0000	(	1.142)
VPRS 3	=	.4277	(	75.202)
VPRS 4	=	.4400	(	75.499)
VPRS 5	=	.4393	(	75.647)
VPRS 6	=	.4333	(	76.228)
VPRS 7	=	.4601	(	77.061)
VPRS 8	=	.4646	(	77.691)
VPRS 9	=	.4814	(	77.893)

SUMMARY OF CORRECTED DATA

TIME = 730

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.6989
CORRECTED PRESSURE (PSIA)	=	58.9560
VAPOR PRESSURE (PSIA)	=	.4472
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117769.8

SUMMARY OF MEASURED DATA AT 745 1122

TEMP 1 =	559.1247	(99.153)
TEMP 2 =	563.5076	(103.790)
TEMP 3 =	563.7968	(103.830)
TEMP 4 =	557.3994	(97.493)
TEMP 5 =	558.7612	(98.973)
TEMP 6 =	540.9821	(81.459)
TEMP 7 =	542.2458	(82.235)
TEMP 8 =	549.3327	(89.190)
TEMP 9 =	541.0386	(81.163)
TEMP 10 =	548.6487	(89.224)
TEMP 11 =	541.5425	(81.797)
TEMP 12 =	460.3670	(.697)
TEMP 13 =	538.7640	(79.087)
TEMP 14 =	538.8825	(79.241)
TEMP 15 =	539.0999	(79.190)
TEMP 16 =	539.1582	(79.563)
TEMP 17 =	538.5000	(78.570)

PRES 1 =	59.3775	(58496.0)
PRES 2 =	59.3916	(60277.0)

VPRS 1 =	.4285	(74.873)
VPRS 2 =	.0000	(1.138)
VPRS 3 =	.4260	(75.090)
VPRS 4 =	.4406	(75.543)
VPRS 5 =	.4394	(75.653)
VPRS 6 =	.4315	(76.106)
VPRS 7 =	.4595	(77.024)
VPRS 8 =	.4643	(77.671)
VPRS 9 =	.4820	(77.929)

SUMMARY OF CORRECTED DATA

TIME = 745

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.6727
CORRECTED PRESSURE (PSIA) =	58.9379
VAPOR PRESSURE (PSIA) =	.4467
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117739.3

SUMMARY OF MEASURED DATA AT 800 1122

TEMP 1 =	559.1568	(99.185)
TEMP 2 =	563.5176	(103.800)
TEMP 3 =	563.8168	(103.850)
TEMP 4 =	557.4205	(97.514)
TEMP 5 =	558.8034	(99.015)
TEMP 6 =	540.9771	(81.454)
TEMP 7 =	542.2057	(82.196)
TEMP 8 =	549.3086	(89.166)
TEMP 9 =	541.0044	(81.129)
TEMP 10 =	548.5945	(89.170)
TEMP 11 =	541.5294	(81.784)
TEMP 12 =	460.3670	(.697)
TEMP 13 =	538.7690	(79.092)
TEMP 14 =	538.8704	(79.229)
TEMP 15 =	539.0707	(79.161)
TEMP 16 =	539.1622	(79.567)
TEMP 17 =	538.4890	(78.559)

PRES 1 =	59.3490	(58468.0)
PRES 2 =	59.3847	(60270.0)

VPRS 1 =	.4288	(74.896)
VPRS 2 =	.0000	(1.138)
VPRS 3 =	.4273	(75.177)
VPRS 4 =	.4408	(75.556)
VPRS 5 =	.4393	(75.650)
VPRS 6 =	.4321	(76.149)
VPRS 7 =	.4597	(77.037)
VPRS 8 =	.4638	(77.638)
VPRS 9 =	.4801	(77.815)

SUMMARY OF CORRECTED DATA

TIME = 800

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.6608
CORRECTED PRESSURE (PSIA) =	58.9201
VAPOR PRESSURE (PSIA) =	.4468
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117706.3

SUMMARY OF MEASURED DATA AT 815 1122

TEMP 1 =	559.2150	(99.243)
TEMP 2 =	563.5477	(103.830)
TEMP 3 =	563.8469	(103.880)
TEMP 4 =	557.4506	(97.544)
TEMP 5 =	558.8286	(99.040)
TEMP 6 =	540.9600	(81.437)
TEMP 7 =	542.1876	(82.177)
TEMP 8 =	549.2794	(89.137)
TEMP 9 =	540.9843	(81.109)
TEMP 10 =	548.5336	(89.169)
TEMP 11 =	541.5365	(81.791)
TEMP 12 =	460.3670	(.697)
TEMP 13 =	538.8061	(79.129)
TEMP 14 =	538.8554	(79.214)
TEMP 15 =	539.0868	(79.177)
TEMP 16 =	539.1432	(79.548)
TEMP 17 =	538.4709	(78.541)

PRES 1 =	59.3399	(58459.0)
PRES 2 =	59.3818	(60267.0)

VPRS 1 =	.4294	(74.935)
VPRS 2 =	.0000	(1.144)
VPRS 3 =	.4275	(75.193)
VPRS 4 =	.4402	(75.515)
VPRS 5 =	.4389	(75.621)
VPRS 6 =	.4331	(76.216)
VPRS 7 =	.4587	(76.974)
VPRS 8 =	.4630	(77.583)
VPRS 9 =	.4843	(78.067)

SUMMARY OF CORRECTED DATA

TIME = 815

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.6601
CORRECTED PRESSURE (PSIA) =	58.9137
VAPOR PRESSURE (PSIA) =	.4471
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117693.7

SUMMARY OF MEASURED DATA AT 830 1122

TEMP 1 =	559.2743	(99.302)
TEMP 2 =	563.5979	(103.880)
TEMP 3 =	563.8770	(103.910)
TEMP 4 =	557.5018	(97.595)
TEMP 5 =	558.8667	(99.078)
TEMP 6 =	540.9500	(81.427)
TEMP 7 =	542.1896	(82.179)
TEMP 8 =	549.3035	(89.161)
TEMP 9 =	540.9893	(81.114)
TEMP 10 =	548.5815	(89.157)
TEMP 11 =	541.5334	(81.788)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.6877	(79.011)
TEMP 14 =	538.8283	(79.187)
TEMP 15 =	539.0195	(79.110)
TEMP 16 =	539.1041	(79.509)
TEMP 17 =	538.4377	(78.508)

PRES 1 =	59.3531	(58472.0)
PRES 2 =	59.3531	(60238.0)

VPRS 1 =	.4297	(74.958)
VPRS 2 =	.0000	(1.144)
VPRS 3 =	.4268	(75.141)
VPRS 4 =	.4401	(75.509)
VPRS 5 =	.4399	(75.686)
VPRS 6 =	.4333	(76.229)
VPRS 7 =	.4593	(77.011)
VPRS 8 =	.4634	(77.610)
VPRS 9 =	.4820	(77.932)

SUMMARY OF CORRECTED DATA

TIME = 830

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.6466
CORRECTED PRESSURE (PSIA) =	58.9062
VAPOR PRESSURE (PSIA) =	.4470
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117681.5

SUMMARY OF MEASURED DATA AT 845 1122

TEMP 1 =	559.2934	(99.321)
TEMP 2 =	563.5778	(103.860)
TEMP 3 =	563.8770	(103.910)
TEMP 4 =	557.5249	(97.618)
TEMP 5 =	558.9019	(99.113)
TEMP 6 =	540.9238	(81.401)
TEMP 7 =	542.1384	(82.128)
TEMP 8 =	549.2614	(89.119)
TEMP 9 =	540.9632	(81.088)
TEMP 10 =	548.5384	(89.114)
TEMP 11 =	541.4893	(81.744)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.7168	(79.040)
TEMP 14 =	538.8063	(79.165)
TEMP 15 =	539.0256	(79.116)
TEMP 16 =	539.1633	(79.568)
TEMP 17 =	538.4357	(78.506)

PRES 1 =	59.3501	(58469.0)
PRES 2 =	59.3502	(60235.0)

VPRS 1 =	.4304	(75.001)
VPRS 2 =	.0000	(1.142)
VPRS 3 =	.4271	(75.163)
VPRS 4 =	.4407	(75.544)
VPRS 5 =	.4399	(75.691)
VPRS 6 =	.4331	(76.219)
VPRS 7 =	.4591	(76.997)
VPRS 8 =	.4647	(77.693)
VPRS 9 =	.4809	(77.864)

SUMMARY OF CORRECTED DATA

TIME = 845

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.6366
CORRECTED PRESSURE (PSIA) =	58.9030
VAPOR PRESSURE (PSIA) =	.4471
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117677.4

SUMMARY OF MEASURED DATA AT 900 1122

TEMP 1	=	559.3125	(	99.340)
TEMP 2	=	563.6281	(	103.910)
TEMP 3	=	563.8870	(	103.920)
TEMP 4	=	557.5440	(	97.637)
TEMP 5	=	558.9129	(	99.124)
TEMP 6	=	540.8887	(	81.366)
TEMP 7	=	542.1163	(	82.106)
TEMP 8	=	549.2352	(	89.093)
TEMP 9	=	540.9411	(	81.066)
TEMP 10	=	548.4983	(	89.074)
TEMP 11	=	541.4582	(	81.713)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	538.6998	(	79.023)
TEMP 14	=	538.8063	(	79.165)
TEMP 15	=	539.0165	(	79.107)
TEMP 16	=	539.1492	(	79.554)
TEMP 17	=	538.4207	(	78.491)

PRES 1	=	59.3480	(	58467.0)
PRES 2	=	59.3482	(	60233.0)

VPRS 1	=	.4299	(	74.972)
VPRS 2	=	.0000	(	1.141)
VPRS 3	=	.4259	(	75.079)
VPRS 4	=	.4415	(	75.598)
VPRS 5	=	.4399	(	75.689)
VPRS 6	=	.4328	(	76.194)
VPRS 7	=	.4590	(	76.989)
VPRS 8	=	.4646	(	77.691)
VPRS 9	=	.4798	(	77.796)

SUMMARY OF CORRECTED DATA

TIME = 900

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.6222
CORRECTED PRESSURE (PSIA)	=	58.9013
VAPOR PRESSURE (PSIA)	=	.4468
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117677.1

SUMMARY OF MEASURED DATA AT 915 1122

TEMP	1	=	559.3286	(	99.356)
TEMP	2	=	563.6381	(	103.920)
TEMP	3	=	563.9070	(	103.940)
TEMP	4	=	557.5601	(	97.653)
TEMP	5	=	558.9330	(	99.144)
TEMP	6	=	540.8656	(	81.343)
TEMP	7	=	542.0851	(	82.075)
TEMP	8	=	549.1949	(	89.053)
TEMP	9	=	540.9190	(	81.044)
TEMP	10	=	548.4882	(	89.064)
TEMP	11	=	541.4361	(	81.691)
TEMP	12	=	460.3670	(	.697)
TEMP	13	=	538.7349	(	79.058)
TEMP	14	=	538.7852	(	79.144)
TEMP	15	=	538.9894	(	79.080)
TEMP	16	=	539.1130	(	79.518)
TEMP	17	=	538.4357	(	78.506)

PRES	1	=	59.3450	(	58464.0)
PRES	2	=	59.3443	(	60229.0)

VPRS	1	=	.4313	(	75.064)
VPRS	2	=	.0000	(	1.144)
VPRS	3	=	.4277	(	75.207)
VPRS	4	=	.4409	(	75.560)
VPRS	5	=	.4410	(	75.758)
VPRS	6	=	.4328	(	76.194)
VPRS	7	=	.4600	(	77.055)
VPRS	8	=	.4636	(	77.626)
VPRS	9	=	.4826	(	77.967)

SUMMARY OF CORRECTED DATA

TIME = 915

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.6110
CORRECTED PRESSURE (PSIA)	=	58.8970
VAPOR PRESSURE (PSIA)	=	.4476
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117670.9

SUMMARY OF MEASURED DATA AT 930 1122

TEMP 1	=	559.3356	(	99.363)
TEMP 2	=	563.6381	(	103.920)
TEMP 3	=	563.9171	(	103.950)
TEMP 4	=	557.5872	(	97.680)
TEMP 5	=	558.9581	(	99.169)
TEMP 6	=	540.8486	(	81.326)
TEMP 7	=	542.0640	(	82.054)
TEMP 8	=	549.1477	(	89.006)
TEMP 9	=	540.9019	(	81.027)
TEMP 10	=	548.4832	(	89.059)
TEMP 11	=	541.4050	(	81.660)
TEMP 12	=	460.3670	(	.697)
TEMP 13	=	538.7058	(	79.029)
TEMP 14	=	538.7822	(	79.141)
TEMP 15	=	539.0075	(	79.098)
TEMP 16	=	539.1100	(	79.515)
TEMP 17	=	538.4146	(	78.485)

PRES 1	=	59.3419	(	58461.0)
PRES 2	=	59.3423	(	60227.0)

VPRS 1	=	.4306	(	75.019)
VPRS 2	=	.0000	(	1.145)
VPRS 3	=	.4268	(	75.143)
VPRS 4	=	.4412	(	75.579)
VPRS 5	=	.4403	(	75.712)
VPRS 6	=	.4336	(	76.248)
VPRS 7	=	.4593	(	77.011)
VPRS 8	=	.4628	(	77.569)
VPRS 9	=	.4801	(	77.816)

SUMMARY OF CORRECTED DATA

TIME = 930

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.6003
CORRECTED PRESSURE (PSIA)	=	58.8951
VAPOR PRESSURE (PSIA)	=	.4470
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117669.5

SUMMARY OF MEASURED DATA AT 945 1122

TEMP 1	=	559.3466	(	99.374)
TEMP 2	=	563.6381	(	103.920)
TEMP 3	=	563.9371	(	103.970)
TEMP 4	=	557.6063	(	97.699)
TEMP 5	=	558.9922	(	99.203)
TEMP 6	=	540.8235	(	81.301)
TEMP 7	=	542.0389	(	82.029)
TEMP 8	=	549.1638	(	89.022)
TEMP 9	=	540.8798	(	81.005)
TEMP 10	=	548.4431	(	89.019)
TEMP 11	=	541.0879	(	81.643)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	538.6957	(	79.019)
TEMP 14	=	538.7731	(	79.132)
TEMP 15	=	539.0105	(	79.101)
TEMP 16	=	539.1111	(	79.516)
TEMP 17	=	538.3975	(	78.468)

PRES 1	=	59.3389	(	58458.0)
PRES 2	=	59.3383	(	60223.0)

VPRS 1	=	.4314	(	75.074)
VPRS 2	=	.0000	(	1.148)
VPRS 3	=	.4284	(	75.251)
VPRS 4	=	.4410	(	75.564)
VPRS 5	=	.4402	(	75.709)
VPRS 6	=	.4338	(	76.265)
VPRS 7	=	.4590	(	76.989)
VPRS 8	=	.4637	(	77.630)
VPRS 9	=	.4819	(	77.926)

SUMMARY OF CORRECTED DATA

TIME = 945

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.5924
CORRECTED PRESSURE (PSIA)	=	58.8910
VAPOR PRESSURE (PSIA)	=	.4476
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117663.0

SUMMARY OF MEASURED DATA AT 1000 1122

TEMP 1	=	559.3586	(	99.386)
TEMP 2	=	563.6581	(	103.940)
TEMP 3	=	563.9471	(	103.980)
TEMP 4	=	557.6364	(	97.729)
TEMP 5	=	559.0123	(	99.223)
TEMP 6	=	540.8024	(	81.280)
TEMP 7	=	542.0128	(	82.003)
TEMP 8	=	549.1337	(	88.992)
TEMP 9	=	540.8607	(	80.986)
TEMP 10	=	548.4360	(	89.012)
TEMP 11	=	541.3678	(	81.623)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	538.6847	(	79.008)
TEMP 14	=	538.7511	(	79.110)
TEMP 15	=	538.9784	(	79.069)
TEMP 16	=	539.1452	(	79.550)
TEMP 17	=	538.3715	(	78.442)

PRES 1	=	59.3358	(	58455.0)
PRES 2	=	59.3364	(	60221.0)

VPRS 1	=	.4294	(	74.939)
VPRS 2	=	.0000	(	1.147)
VPRS 3	=	.4268	(	75.145)
VPRS 4	=	.4411	(	75.575)
VPRS 5	=	.4405	(	75.726)
VPRS 6	=	.4345	(	76.312)
VPRS 7	=	.4600	(	77.052)
VPRS 8	=	.4636	(	77.621)
VPRS 9	=	.4797	(	77.793)

SUMMARY OF CORRECTED DATA

TIME = 1000

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.5820
CORRECTED PRESSURE (PSIA)	=	58.8889
VAPOR PRESSURE (PSIA)	=	.4471
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117661.1

SUMMARY OF MEASURED DATA AT 1015 1122

TEMP 1 =	559.3727	(99.400)
TEMP 2 =	563.6682	(103.950)
TEMP 3 =	563.9672	(104.000)
TEMP 4 =	557.6823	(97.755)
TEMP 5 =	559.0183	(99.229)
TEMP 6 =	540.7873	(81.265)
TEMP 7 =	541.9867	(81.977)
TEMP 8 =	549.0984	(88.957)
TEMP 9 =	540.8447	(80.970)
TEMP 10 =	548.4070	(88.983)
TEMP 11 =	541.3417	(81.597)
TEMP 12 =	460.3670	(.697)
TEMP 13 =	538.6837	(79.007)
TEMP 14 =	538.7631	(79.122)
TEMP 15 =	538.9402	(79.031)
TEMP 16 =	539.0639	(79.469)
TEMP 17 =	538.3805	(73.451)

PRES 1 =	59.3328	(58452.0)
PRES 2 =	59.3334	(60218.0)

VPRS 1 =	.4306	(75.016)
VPRS 2 =	.0000	(1.147)
VPRS 3 =	.4292	(75.309)
VPRS 4 =	.4411	(75.576)
VPRS 5 =	.4406	(75.732)
VPRS 6 =	.4343	(76.303)
VPRS 7 =	.4609	(77.111)
VPRS 8 =	.4631	(77.589)
VPRS 9 =	.4792	(77.757)

SUMMARY OF CORRECTED DATA

TIME = 1015

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.5657
CORRECTED PRESSURE (PSIA) =	58.8855
VAPOR PRESSURE (PSIA) =	.4476
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117657.7

SUMMARY OF MEASURED DATA AT 1030 1122

TEMP 1	=	559.3818	(	99.409)
TEMP 2	=	563.6983	(	103.980)
TEMP 3	=	563.9672	(	104.000)
TEMP 4	=	557.6866	(	97.779)
TEMP 5	=	559.0645	(	99.275)
TEMP 6	=	540.7723	(	81.250)
TEMP 7	=	541.9686	(	81.959)
TEMP 8	=	549.0753	(	88.934)
TEMP 9	=	540.8206	(	80.946)
TEMP 10	=	548.3959	(	88.972)
TEMP 11	=	541.3317	(	81.587)
TEMP 12	=	460.3410	(	.697)
TEMP 13	=	538.6776	(	78.961)
TEMP 14	=	538.7423	(	79.101)
TEMP 15	=	538.9282	(	79.019)
TEMP 16	=	539.1041	(	79.509)
TEMP 17	=	538.3272	(	78.398)

PRES 1	=	59.3297	(	53449.0)
PRES 2	=	59.3304	(	60215.0)

VPRS 1	=	.4313	(	75.167)
VPRS 2	=	.0000	(	1.147)
VPRS 3	=	.4284	(	75.253)
VPRS 4	=	.4413	(	75.589)
VPRS 5	=	.4410	(	75.759)
VPRS 6	=	.4342	(	76.293)
VPRS 7	=	.4527	(	77.035)
VPRS 8	=	.4642	(	77.659)
VPRS 9	=	.4612	(	77.879)

SUMMARY OF CORRECTED DATA

TIME = 1030

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.5552
CORRECTED PRESSURE (PSIA)	=	58.8823
VAPOR PRESSURE (PSIA)	=	.4478
VOLUME (CU. FT.)	=	403120.0
AIR MASS (LBM)	=	137653.5

SUMMARY OF MEASURED DATA AT 1045 1122

TEMP	1	=	559.3768	(	99.404)
TEMP	2	=	563.6682	(	103.950)
TEMP	3	=	563.9772	(	104.010)
TEMP	4	=	557.7097	(	97.802)
TEMP	5	=	559.0705	(	99.281)
TEMP	6	=	540.7592	(	81.237)
TEMP	7	=	541.9455	(	81.936)
TEMP	8	=	549.0673	(	88.926)
TEMP	9	=	540.8094	(	80.935)
TEMP	10	=	548.3759	(	88.952)
TEMP	11	=	541.3035	(	81.559)
TEMP	12	=	460.3680	(	.698)
TEMP	13	=	538.6255	(	78.949)
TEMP	14	=	538.7240	(	79.083)
TEMP	15	=	538.9121	(	79.003)
TEMP	16	=	539.0458	(	79.451)
TEMP	17	=	538.3343	(	78.405)

PRES	1	=	59.3277	(	58447.0)
PRES	2	=	59.3275	(	60212.0)

VPRS	1	=	.4316	(	75.083)
VPRS	2	=	.0000	(	1.142)
VPRS	3	=	.4300	(	75.356)
VPRS	4	=	.4422	(	75.645)
VPRS	5	=	.4412	(	75.776)
VPRS	6	=	.4342	(	75.295)
VPRS	7	=	.4590	(	76.992)
VPRS	8	=	.4640	(	77.648)
VPRS	9	=	.4800	(	77.807)

SUMMARY OF CORRECTED DATA

TIME = 1045

DATE = 1122

TEMPERATURE (DEGREES R.)	=	744.546
CORRECTED PRESSURE (PSIA)	=	58.8796
VAPOR PRESSURE (PSIA)	=	.4480
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117651.3

SUMMARY OF MEASURED DATA AT 1100 1122

TEMP	1	=	559.3818	(	99.409)
TEMP	2	=	563.6943	(	103.980)
TEMP	3	=	563.5772	(	104.010)
TEMP	4	=	557.7358	(	97.828)
TEMP	5	=	559.1067	(	99.317)
TEMP	6	=	540.7382	(	81.216)
TEMP	7	=	541.9153	(	81.906)
TEMP	8	=	549.0633	(	88.922)
TEMP	9	=	540.7864	(	80.912)
TEMP	10	=	548.3668	(	88.943)
TEMP	11	=	541.3035	(	81.559)
TEMP	12	=	460.3670	(	.697)
TEMP	13	=	538.6315	(	78.955)
TEMP	14	=	538.7300	(	79.089)
TEMP	15	=	538.9192	(	79.010)
TEMP	16	=	539.0990	(	79.504)
TEMP	17	=	538.3423	(	78.413)
PRES	1	=	59.3256	(	58445.0)
PRES	2	=	59.3255	(	60210.0)
VPRS	1	=	.4307	(	75.027)
VPRS	2	=	.0000	(	1.148)
VPRS	3	=	.4281	(	75.233)
VPRS	4	=	.4412	(	75.581)
VPRS	5	=	.4413	(	75.781)
VPRS	6	=	.4350	(	76.348)
VPRS	7	=	.4593	(	77.011)
VPRS	8	=	.4624	(	77.546)
VPRS	9	=	.4782	(	77.696)

SUMMARY OF CORRECTED DATA

TIME = 1100

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.5438
CORRECTED PRESSURE (PSIA)	=	58.8784
VAPOR PRESSURE (PSIA)	=	.4472
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117648.3

SUMMARY OF MEASURED DATA AT 1115 1122

TEMP 1	=	559.3807	(	99.408)
TEMP 2	=	563.7184	(	104.000)
TEMP 3	=	563.9772	(	104.010)
TEMP 4	=	557.7559	(	97.848)
TEMP 5	=	559.1057	(	99.316)
TEMP 6	=	540.7231	(	81.201)
TEMP 7	=	541.9023	(	81.893)
TEMP 8	=	549.0472	(	88.906)
TEMP 9	=	540.7713	(	80.897)
TEMP 10	=	548.3458	(	88.922)
TEMP 11	=	541.2875	(	81.543)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	538.6376	(	78.961)
TEMP 14	=	538.7220	(	79.081)
TEMP 15	=	538.9141	(	79.005)
TEMP 16	=	539.0378	(	79.443)
TEMP 17	=	538.3312	(	78.402)

PRES 1	=	59.3226	(	58442.0)
PRES 2	=	59.3225	(	60207.0)

VPRS 1	=	.4313	(	75.062)
VPRS 2	=	.0000	(	1.148)
VPRS 3	=	.4289	(	75.288)
VPRS 4	=	.4413	(	75.589)
VPRS 5	=	.4413	(	75.781)
VPRS 6	=	.4350	(	76.347)
VPRS 7	=	.4583	(	76.950)
VPRS 8	=	.4639	(	77.645)
VPRS 9	=	.4791	(	77.752)

SUMMARY OF CORRECTED DATA

TIME = 1115

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.5317
CORRECTED PRESSURE (PSIA)	=	58.8750
VAPOR PRESSURE (PSIA)	=	.4475
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117644.1

SUMMARY OF MEASURED DATA AT 1130 1122

TEMP 1 =	559.3788	(99.406)
TEMP 2 =	563.6983	(103.980)
TEMP 3 =	563.9772	(104.010)
TEMP 4 =	557.7709	(97.863)
TEMP 5 =	559.1348	(99.345)
TEMP 6 =	540.7090	(81.107)
TEMP 7 =	541.8832	(81.874)
TEMP 8 =	549.0341	(88.893)
TEMP 9 =	540.7542	(80.880)
TEMP 10 =	548.3367	(88.913)
TEMP 11 =	541.2744	(81.530)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.6035	(78.927)
TEMP 14 =	538.6959	(79.055)
TEMP 15 =	538.8961	(78.987)
TEMP 16 =	539.0458	(79.451)
TEMP 17 =	538.3102	(78.381)

PRES 1 =	59.3195	(58439.0)
PRES 2 =	59.3196	(60204.0)

VPRS 1 =	.4314	(75.071)
VPRS 2 =	.0000	(1.152)
VPRS 3 =	.4282	(75.241)
VPRS 4 =	.4418	(75.619)
VPRS 5 =	.4418	(75.816)
VPRS 6 =	.4354	(76.374)
VPRS 7 =	.4589	(76.986)
VPRS 8 =	.4629	(77.578)
VPRS 9 =	.4812	(77.880)

SUMMARY OF CORRECTED DATA

TIME = 1130

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.5198
CORRECTED PRESSURE (PSIA) =	58.8717
VAPOR PRESSURE (PSIA) =	.4478
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117640.1

SUMMARY OF MEASURED DATA AT 1145 1122

TEMP 1	=	559.3607	(	99.388)
TEMP 2	=	563.6983	(	103.980)
TEMP 3	=	563.9973	(	104.030)
TEMP 4	=	557.7910	(	97.883)
TEMP 5	=	559.1489	(	99.359)
TEMP 6	=	540.6920	(	81.170)
TEMP 7	=	541.8671	(	81.858)
TEMP 8	=	548.9969	(	88.856)
TEMP 9	=	540.7452	(	80.873)
TEMP 10	=	548.3177	(	88.894)
TEMP 11	=	541.2534	(	81.509)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	538.6115	(	78.935)
TEMP 14	=	538.6838	(	79.043)
TEMP 15	=	538.8881	(	78.979)
TEMP 16	=	539.0147	(	79.420)
TEMP 17	=	538.2820	(	78.253)

PRES 1	=	59.3165	(	58436.0)
PRES 2	=	59.3176	(	60202.0)

VPRS 1	=	.4323	(	75.134)
VPRS 2	=	.0000	(	1.145)
VPRS 3	=	.4294	(	75.325)
VPRS 4	=	.4426	(	75.669)
VPRS 5	=	.4417	(	75.807)
VPRS 6	=	.4341	(	76.289)
VPRS 7	=	.4608	(	77.107)
VPRS 8	=	.4630	(	77.583)
VPRS 9	=	.4822	(	77.941)

SUMMARY OF CORRECTED DATA

TIME = 1145

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.5071
CORRECTED PRESSURE (PSIA)	=	58.8686
VAPOR PRESSURE (PSIA)	=	.4484
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117636.6

SUMMARY OF MEASURED DATA AT 1200 1122

TEMP 1 =	559.3647	(99.392)
TEMP 2 =	563.7184	(104.000)
TEMP 3 =	563.9772	(104.010)
TEMP 4 =	557.8131	(97.905)
TEMP 5 =	559.1669	(99.377)
TEMP 6 =	540.6769	(81.155)
TEMP 7 =	541.8410	(81.832)
TEMP 8 =	548.9738	(88.833)
TEMP 9 =	540.7301	(80.856)
TEMP 10 =	548.3107	(88.887)
TEMP 11 =	541.2322	(81.488)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.6155	(78.939)
TEMP 14 =	538.6888	(79.048)
TEMP 15 =	538.8680	(78.959)
TEMP 16 =	539.0267	(79.432)
TEMP 17 =	538.2991	(78.370)

PRES 1 =	59.3144	(58434.0)
PRES 2 =	59.3146	(60122.0)

VPRS 1 =	.4321	(75.120)
VPRS 2 =	.0000	(1.153)
VPRS 3 =	.4299	(75.358)
VPRS 4 =	.4422	(75.647)
VPRS 5 =	.4420	(75.828)
VPRS 6 =	.4351	(76.356)
VPRS 7 =	.4591	(76.997)
VPRS 8 =	.4634	(77.612)
VPRS 9 =	.4784	(77.713)

SUMMARY OF CORRECTED DATA

TIME = 1200

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.5020
CORRECTED PRESSURE (PSIA) =	58.8666
VAPOR PRESSURE (PSIA) =	.4480
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117633.7

SUMMARY OF MEASURED DATA AT 1215 1122

TEMP	1	=	559.3707	(	99.398)
TEMP	2	=	563.7184	(	104.000)
TEMP	3	=	563.9973	(	104.030)
TEMP	4	=	557.8292	(	97.921)
TEMP	5	=	559.1810	(	99.391)
TEMP	6	=	540.6719	(	81.150)
TEMP	7	=	541.8309	(	81.822)
TEMP	8	=	548.9667	(	88.826)
TEMP	9	=	540.7130	(	80.839)
TEMP	10	=	548.2936	(	88.870)
TEMP	11	=	541.2252	(	31.481)
TEMP	12	=	460.3680	(	.698)
TEMP	13	=	538.5793	(	78.903)
TEMP	14	=	538.6799	(	79.039)
TEMP	15	=	538.8669	(	78.958)
TEMP	16	=	539.0820	(	79.487)
TEMP	17	=	538.3132	(	78.384)

PRES	1	=	59.3124	(	58432.0)
PRES	2	=	59.3127	(	60197.0)

VPRS	1	=	.4322	(	75.125)
VPRS	2	=	.0000	(	1.155)
VPRS	3	=	.4292	(	75.311)
VPRS	4	=	.4421	(	75.640)
VPRS	5	=	.4419	(	75.820)
VPRS	6	=	.4360	(	76.416)
VPRS	7	=	.4586	(	76.969)
VPRS	8	=	.4643	(	77.668)
VPRS	9	=	.4787	(	77.732)

SUMMARY OF CORRECTED DATA

TIME = 1215

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.5009
CORRECTED PRESSURE (PSIA)	=	58.8645
VAPOR PRESSURE (PSIA)	=	.4480
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117629.8

SUMMARY OF MEASURED DATA AT 1230 1122

TEMP 1 =	559.3516	(99.379)
TEMP 2 =	563.7285	(104.010)
TEMP 3 =	564.0173	(104.050)
TEMP 4 =	557.8573	(97.949)
TEMP 5 =	559.2111	(99.421)
TEMP 6 =	540.6588	(81.137)
TEMP 7 =	541.8139	(81.805)
TEMP 8 =	548.9446	(88.804)
TEMP 9 =	540.6919	(80.818)
TEMP 10 =	548.2736	(88.850)
TEMP 11 =	541.1931	(81.449)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.5703	(78.894)
TEMP 14 =	538.6568	(79.016)
TEMP 15 =	538.8579	(78.949)
TEMP 16 =	539.0750	(79.480)
TEMP 17 =	538.2951	(78.366)

PRES 1 =	59.3093	(58429.0)
PRES 2 =	59.3097	(60194.0)

VPRS 1 =	.4325	(75.148)
VPRS 2 =	.0000	(1.156)
VPRS 3 =	.4297	(75.340)
VPRS 4 =	.4475	(75.669)
VPRS 5 =	.4420	(75.825)
VPRS 6 =	.4357	(76.400)
VPRS 7 =	.4599	(77.047)
VPRS 8 =	.4632	(77.597)
VPRS 9 =	.4803	(77.825)

SUMMARY OF CORRECTED DATA

TIME = 1230

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.4894
CORRECTED PRESSURE (PSIA) =	58.8612
VAPOR PRESSURE (PSIA) =	.4484
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117625.6

SUMMARY OF MEASURED DATA AT 1245 1122

TEMP 1	=	559.3326	(	99.360)
TEMP 2	=	563.7686	(	104.050)
TEMP 3	=	563.9772	(	104.010)
TEMP 4	=	557.8613	(	97.953)
TEMP 5	=	559.2071	(	99.417)
TEMP 6	=	540.6737	(	81.112)
TEMP 7	=	541.8058	(	81.797)
TEMP 8	=	548.9054	(	88.765)
TEMP 9	=	540.6808	(	80.807)
TEMP 10	=	548.2745	(	88.851)
TEMP 11	=	541.2062	(	81.462)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	538.5734	(	78.897)
TEMP 14	=	538.6658	(	79.025)
TEMP 15	=	538.8589	(	78.950)
TEMP 16	=	539.0579	(	79.463)
TEMP 17	=	538.2760	(	78.347)

PRES 1	=	59.3073	(	58427.0)
PRES 2	=	59.3077	(	60192.0)

VPRS 1	=	.4322	(	75.128)
VPRS 2	=	.0000	(	1.152)
VPRS 3	=	.4308	(	75.419)
VPRS 4	=	.4436	(	75.741)
VPRS 5	=	.4418	(	75.817)
VPRS 6	=	.4355	(	76.384)
VPRS 7	=	.4600	(	77.056)
VPRS 8	=	.4644	(	77.676)
VPRS 9	=	.4796	(	77.784)

SUMMARY OF CORRECTED DATA

TIME = 1245

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.4819
CORRECTED PRESSURE (PSIA)	=	58.8588
VAPOR PRESSURE (PSIA)	=	.4488
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117622.4

SUMMARY OF MEASURED DATA AT 1300 1122

TEMP 1	=	559.3255	(	99.353)
TEMP 2	=	563.7184	(	104.000)
TEMP 3	=	563.9772	(	104.010)
TEMP 4	=	557.8774	(	97.969)
TEMP 5	=	559.2402	(	99.450)
TEMP 6	=	540.6187	(	81.097)
TEMP 7	=	541.7968	(	81.788)
TEMP 8	=	548.8984	(	88.758)
TEMP 9	=	540.6718	(	80.798)
TEMP 10	=	548.2625	(	88.819)
TEMP 11	=	541.1901	(	81.446)
TEMP 12	=	460.3670	(	.697)
TEMP 13	=	538.5543	(	78.878)
TEMP 14	=	538.6317	(	78.991)
TEMP 15	=	538.8378	(	78.929)
TEMP 16	=	539.0097	(	79.415)
TEMP 17	=	538.2870	(	78.358)

PRES 1	=	59.3043	(	58424.0)
PRES 2	=	59.3048	(	60189.0)

VPRS 1	=	.4332	(	75.192)
VPRS 2	=	.0000	(	1.158)
VPRS 3	=	.4316	(	75.471)
VPRS 4	=	.4433	(	75.715)
VPRS 5	=	.4426	(	75.865)
VPRS 6	=	.4363	(	76.442)
VPRS 7	=	.4594	(	77.017)
VPRS 8	=	.4620	(	77.517)
VPRS 9	=	.4776	(	77.667)

SUMMARY OF CORRECTED DATA

TIME = 1300

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.4691
CORRECTED PRESSURE (PSIA)	=	58.8561
VAPOR PRESSURE (PSIA)	=	.4484
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117619.8

SUMMARY OF MEASURED DATA AT 1315 1122

TEMP 1	=	559.3085	(	99.336)
TEMP 2	=	563.7184	(	104.000)
TEMP 3	=	563.9772	(	104.010)
TEMP 4	=	557.8965	(	97.98F)
TEMP 5	=	559.2483	(	99.458)
TEMP 6	=	540.6016	(	81.080)
TEMP 7	=	541.7727	(	81.764)
TEMP 8	=	548.8723	(	88.732)
TEMP 9	=	540.6638	(	80.790)
TEMP 10	=	548.2505	(	88.827)
TEMP 11	=	541.1609	(	81.417)
TEMP 12	=	460.3700	(	.700)
TEMP 13	=	538.5673	(	78.891)
TEMP 14	=	538.6437	(	79.003)
TEMP 15	=	538.8328	(	78.924)
TEMP 16	=	539.0649	(	79.470)
TEMP 17	=	538.2559	(	78.327)

PRES 1	=	59.3022	(	58422.0)
PRES 2	=	59.3023	(	60187.0)

VPRS 1	=	.4329	(	75.172)
VPRS 2	=	.0000	(	1.1)
VPRS 3	=	.4310	(	75.436)
VPRS 4	=	.4430	(	75.698)
VPRS 5	=	.4431	(	75.901)
VPRS 6	=	.4358	(	76.408)
VPRS 7	=	.4590	(	76.991)
VPRS 8	=	.4630	(	77.581)
VPRS 9	=	.4784	(	77.708)

SUMMARY OF CORRECTED DATA

TIME = 1315

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.4644
CORRECTED PRESSURE (PSIA)	=	58.8541
VAPOR PRESSURE (PSIA)	=	.4485
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117616.8

SUMMARY OF MEASURED DATA AT 1330 1122

TEMP 1	=	559.3024	(	99.330)
TEMP 2	=	563.6983	(	103.980)
TEMP 3	=	563.9973	(	104.030)
TEMP 4	=	557.9065	(	97.998)
TEMP 5	=	559.2774	(	99.487)
TEMP 6	=	540.6096	(	81.088)
TEMP 7	=	541.7496	(	81.741)
TEMP 8	=	548.8723	(	88.732)
TEMP 9	=	540.6567	(	80.783)
TEMP 10	=	548.2304	(	88.807)
TEMP 11	=	541.1399	(	81.396)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	538.5472	(	78.871)
TEMP 14	=	538.6367	(	78.996)
TEMP 15	=	538.8318	(	78.923)
TEMP 16	=	539.0208	(	79.426)
TEMP 17	=	538.2579	(	78.329)

PRES 1	=	59.2992	(	58419.0)
PRES 2	=	59.3008	(	60185.0)

VPRS 1	=	.4335	(	75.215)
VPRS 2	=	.0000	(	1.159)
VPRS 3	=	.4302	(	75.375)
VPRS 4	=	.4433	(	75.718)
VPRS 5	=	.4432	(	75.909)
VPRS 6	=	.4360	(	76.422)
VPRS 7	=	.4589	(	76.986)
VPRS 8	=	.4622	(	77.531)
VPRS 9	=	.4793	(	77.766)

SUMMARY OF CORRECTED DATA

TIME = 1330

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.4560
CORRECTED PRESSURE (PSIA)	=	58.8515
VAPOR PRESSURE (PSIA)	=	.4485
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117613.6

SUMMARY OF MEASURED DATA AT 1345 1122

TEMP 1	=	559.3004	(	99.328)
TEMP 2	=	563.6983	(	103.980)
TEMP 3	=	563.9672	(	104.000)
TEMP 4	=	557.9226	(	98.014)
TEMP 5	=	559.2814	(	99.491)
TEMP 6	=	540.5986	(	81.077)
TEMP 7	=	541.7385	(	81.730)
TEMP 8	=	548.8451	(	88.705)
TEMP 9	=	540.6367	(	80.763)
TEMP 10	=	548.2234	(	88.800)
TEMP 11	=	541.1489	(	81.405)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	538.5443	(	78.868)
TEMP 14	=	538.6367	(	78.996)
TEMP 15	=	538.8208	(	78.912)
TEMP 16	=	539.0228	(	79.428)
TEMP 17	=	538.2720	(	78.343)

PRES 1	=	59.2981	(	58418.0)
PRES 2	=	59.2979	(	60182.0)

VPRS 1	=	.4334	(	75.207)
VPRS 2	=	.0000	(	1.155)
VPRS 3	=	.4308	(	75.421)
VPRS 4	=	.4446	(	75.801)
VPRS 5	=	.4430	(	75.894)
VPRS 6	=	.4360	(	76.420)
VPRS 7	=	.4582	(	76.942)
VPRS 8	=	.4632	(	77.600)
VPRS 9	=	.4807	(	77.850)

SUMMARY OF CORRECTED DATA

TIME = 1345

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.4510
CORRECTED PRESSURE (PSIA)	=	58.8491
VAPOR PRESSURE (PSIA)	=	.4489
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117609.7

SUMMARY OF MEASURED DATA AT 1400 1122

TEMP 1 =	559.2713	(99.299)
TEMP 2 =	563.6581	(103.940)
TEMP 3 =	563.9471	(103.980)
TEMP 4 =	557.9256	(98.017)
TEMP 5 =	559.2955	(99.505)
TEMP 6 =	540.5836	(81.062)
TEMP 7 =	541.7315	(81.723)
TEMP 8 =	548.8361	(88.696)
TEMP 9 =	540.6286	(80.755)
TEMP 10 =	548.2184	(88.795)
TEMP 11 =	541.1519	(81.408)
TEMP 12 =	460.3700	(.700)
TEMP 13 =	538.5452	(78.869)
TEMP 14 =	538.6287	(78.988)
TEMP 15 =	538.8087	(78.900)
TEMP 16 =	538.9886	(79.394)
TEMP 17 =	538.2369	(78.308)

PRES 1 =	59.2951	(58415.0)
PRES 2 =	59.2959	(60180.0)

VPRS 1 =	.4335	(75.210)
VPRS 2 =	.0000	(1.167)
VPRS 3 =	.4322	(75.515)
VPRS 4 =	.4439	(75.756)
VPRS 5 =	.4432	(75.904)
VPRS 6 =	.4366	(76.463)
VPRS 7 =	.4587	(76.973)
VPRS 8 =	.4624	(77.543)
VPRS 9 =	.4796	(77.784)

SUMMARY OF CORRECTED DATA

TIME = 1400

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.4400
CORRECTED PRESSURE (PSIA) =	58.8465
VAPOR PRESSURE (PSIA) =	.4490
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117607.0

SUMMARY OF MEASURED DATA AT 1415 1122

TEMP	1	=	559.2623	(	99.290)
TEMP	2	=	563.6581	(	103.940)
TEMP	3	=	563.9672	(	104.000)
TEMP	4	=	557.9396	(	98.031)
TEMP	5	=	559.3045	(	99.514)
TEMP	6	=	540.5685	(	81.047)
TEMP	7	=	541.7124	(	81.704)
TEMP	8	=	548.8079	(	88.668)
TEMP	9	=	540.6146	(	80.741)
TEMP	10	=	548.2013	(	88.778)
TEMP	11	=	541.1339	(	81.390)
TEMP	12	=	460.3700	(	.700)
TEMP	13	=	538.5593	(	78.883)
TEMP	14	=	538.6277	(	78.987)
TEMP	15	=	538.7977	(	78.889)
TEMP	16	=	539.0057	(	79.411)
TEMP	17	=	538.2429	(	78.314)

PRES	1	=	59.2931	(	58413.0)
PRES	2	=	59.2939	(	60178.0)

VPRS	1	=	.4333	(	75.196)
VPRS	2	=	.0000	(	1.162)
VPRS	3	=	.4305	(	75.401)
VPRS	4	=	.4442	(	75.775)
VPRS	5	=	.4437	(	75.943)
VPRS	6	=	.4364	(	76.446)
VPRS	7	=	.4593	(	77.008)
VPRS	8	=	.4626	(	77.555)
VPRS	9	=	.4788	(	77.734)

SUMMARY OF CORRECTED DATA

TIME = 1415

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.4346
CORRECTED PRESSURE (PSIA)	=	58.8447
VAPOR PRESSURE (PSIA)	=	.4488
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117604.6

SUMMARY OF MEASURED DATA AT 1430 1122

TEMP	1	=	559.2411	(	99.269)
TEMP	2	=	563.6983	(	103.980)
TEMP	3	=	563.9471	(	103.980)
TEMP	4	=	557.9477	(	98.039)
TEMP	5	=	559.2975	(	99.507)
TEMP	6	=	540.5654	(	81.044)
TEMP	7	=	541.7034	(	81.695)
TEMP	8	=	548.8069	(	88.667)
TEMP	9	=	540.6045	(	80.731)
TEMP	10	=	548.1832	(	88.760)
TEMP	11	=	541.1168	(	81.373)
TEMP	12	=	460.3700	(	.700)
TEMP	13	=	538.5101	(	78.834)
TEMP	14	=	538.6116	(	78.971)
TEMP	15	=	538.7957	(	78.887)
TEMP	16	=	538.9686	(	79.374)
TEMP	17	=	538.2379	(	78.309)

PRES	1	=	59.2910	(	58411.0)
PRES	2	=	59.2919	(	60176.0)

VPRS	1	=	.4330	(	75.178)
VPRS	2	=	.0000	(	1.167)
VPRS	3	=	.4309	(	75.427)
VPRS	4	=	.4448	(	75.814)
VPRS	5	=	.4438	(	75.949)
VPRS	6	=	.4366	(	76.463)
VPRS	7	=	.4613	(	77.137)
VPRS	8	=	.4620	(	77.520)
VPRS	9	=	.4774	(	77.652)

SUMMARY OF CORRECTED DATA

TIME = 1430

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.4221
CORRECTED PRESSURE (PSIA)	=	58.8425
VAPOR PRESSURE (PSIA)	=	.4490
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117602.9

SUMMARY OF MEASURED DATA AT 1445 1122

TEMP	1	=	559.2281	(	99.256)
TEMP	2	=	563.6682	(	103.950)
TEMP	3	=	563.9171	(	103.950)
TEMP	4	=	557.9537	(	98.045)
TEMP	5	=	559.3235	(	99.533)
TEMP	6	=	540.5434	(	81.022)
TEMP	7	=	541.6853	(	81.677)
TEMP	8	=	548.7918	(	88.652)
TEMP	9	=	540.5964	(	80.723)
TEMP	10	=	548.1662	(	88.743)
TEMP	11	=	541.1128	(	81.369)
TEMP	12	=	460.3680	(	.698)
TEMP	13	=	538.5021	(	78.826)
TEMP	14	=	538.6026	(	78.962)
TEMP	15	=	538.8007	(	78.892)
TEMP	16	=	539.0117	(	79.417)
TEMP	17	=	538.2318	(	78.303)

FRES	1	=	59.2880	(	58408.0)
FRES	2	=	59.2890	(	60173.0)

VPRS	1	=	.4341	(	75.254)
VPRS	2	=	.0000	(	1.162)
VPRS	3	=	.4297	(	75.340)
VPRS	4	=	.4443	(	75.784)
VPRS	5	=	.4444	(	75.987)
VPRS	6	=	.4379	(	76.550)
VPRS	7	=	.4578	(	76.918)
VPRS	8	=	.4610	(	77.452)
VPRS	9	=	.4791	(	77.752)

SUMMARY OF CORRECTED DATA

TIME = 1445

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.4172
CORRECTED PRESSURE (PSIA)	=	58.8399
VAPOR PRESSURE (PSIA)	=	.4486
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117596.6

SUMMARY OF MEASURED DATA AT 1500 1122

TEMP 1	=	559.2150	(	99.243)
TEMP 2	=	563.6281	(	103.910)
TEMP 3	=	563.9171	(	103.950)
TEMP 4	=	557.9658	(	98.057)
TEMP 5	=	559.3126	(	99.522)
TEMP 6	=	540.5394	(	81.018)
TEMP 7	=	541.6712	(	81.663)
TEMP 8	=	548.7848	(	98.645)
TEMP 9	=	540.5824	(	80.709)
TEMP 10	=	548.1511	(	88.728)
TEMP 11	=	541.0997	(	81.356)
TEMP 12	=	460.3700	(	.700)
TEMP 13	=	538.5131	(	78.837)
TEMP 14	=	538.5956	(	78.955)
TEMP 15	=	538.7827	(	78.874)
TEMP 16	=	538.9886	(	79.394)
TEMP 17	=	538.2399	(	78.311)

PRES 1	=	59.2859	(	58406.0)
PRES 2	=	59.2870	(	60171.0)

VPRS 1	=	.4342	(	75.257)
VPRS 2	=	.0000	(	1.167)
VPRS 3	=	.4316	(	75.473)
VPRS 4	=	.4445	(	75.796)
VPRS 5	=	.4445	(	75.990)
VPRS 6	=	.4374	(	76.513)
VPRS 7	=	.4578	(	76.916)
VPRS 8	=	.4627	(	77.566)
VPRS 9	=	.4794	(	77.774)

SUMMARY OF CORRECTED DATA

TIME = 1500

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.4086
CORRECTED PRESSURE (PSIA)	=	58.8373
VAPOR PRESSURE (PSIA)	=	.4492
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117595.4

SUMMARY OF MEASURED DATA AT 1515 1122

TEMP	1	=	559.1840	(	99.212)
TEMP	2	=	563.5979	(	103.880)
TEMP	3	=	563.9070	(	103.940)
TEMP	4	=	557.9828	(	98.074)
TEMP	5	=	559.3045	(	99.514)
TEMP	6	=	540.5403	(	81.019)
TEMP	7	=	541.6652	(	81.657)
TEMP	8	=	548.7526	(	88.613)
TEMP	9	=	540.5814	(	80.708)
TEMP	10	=	548.1743	(	88.751)
TEMP	11	=	541.0807	(	81.337)
TEMP	12	=	460.3680	(	.698)
TEMP	13	=	538.5041	(	78.828)
TEMP	14	=	538.5795	(	78.939)
TEMP	15	=	538.7736	(	78.865)
TEMP	16	=	538.9736	(	79.379)
TEMP	17	=	538.2108	(	78.282)

PRES	1	=	59.2839	(	58404.0)
PRES	2	=	59.2850	(	60169.0)

VPRS	1	=	.4337	(	75.224)
VPRS	2	=	.0000	(	1.165)
VPRS	3	=	.4320	(	75.500)
VPRS	4	=	.4446	(	75.805)
VPRS	5	=	.4439	(	75.956)
VPRS	6	=	.4370	(	76.486)
VPRS	7	=	.4600	(	77.058)
VPRS	8	=	.4618	(	77.507)
VPRS	9	=	.4779	(	77.679)

SUMMARY OF CORRECTED DATA

TIME = 1515

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.3989
CORRECTED PRESSURE (PSIA)	=	58.8354
VAPOR PRESSURE (PSIA)	=	.4491
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117593.6

SUMMARY OF MEASURED DATA AT 1530 1122

TEMP 1	=	559.1608	(	99.189)
TEMP 2	=	563.5979	(	103.880)
TEMP 3	=	563.9070	(	103.940)
TEMP 4	=	557.9999	(	98.091)
TEMP 5	=	559.3366	(	99.546)
TEMP 6	=	540.5022	(	80.981)
TEMP 7	=	541.6572	(	81.649)
TEMP 8	=	548.7486	(	88.609)
TEMP 9	=	540.5693	(	80.696)
TEMP 10	=	548.1451	(	88.722)
TEMP 11	=	541.0666	(	81.323)
TEMP 12	=	460.3700	(	.700)
TEMP 13	=	538.4871	(	78.811)
TEMP 14	=	538.5895	(	78.949)
TEMP 15	=	538.7746	(	78.866)
TEMP 16	=	538.9745	(	79.380)
TEMP 17	=	538.2017	(	78.273)

PRES 1	=	59.2819	(	58402.0)
PRES 2	=	59.2831	(	60167.0)

VPRS 1	=	.4351	(	75.318)
VPRS 2	=	.0000	(	1.168)
VPRS 3	=	.4324	(	75.529)
VPRS 4	=	.4450	(	75.831)
VPRS 5	=	.4448	(	76.011)
VPRS 6	=	.4383	(	76.579)
VPRS 7	=	.4583	(	76.947)
VPRS 8	=	.4619	(	77.514)
VPRS 9	=	.4789	(	77.742)

SUMMARY OF CORRECTED DATA

TIME = 1530

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.3915
CORRECTED PRESSURE (PSIA)	=	58.8330
VAPOR PRESSURE (PSIA)	=	.4495
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117590.4

SUMMARY OF MEASURED DATA AT 1545 1122

TEMP 1 =	559.1216	(99.150)
TEMP 2 =	563.5477	(103.830)
TEMP 3 =	563.8770	(103.910)
TEMP 4 =	557.9969	(98.088)
TEMP 5 =	559.3507	(99.560)
TEMP 6 =	540.4932	(80.972)
TEMP 7 =	541.6411	(81.633)
TEMP 8 =	548.7396	(88.600)
TEMP 9 =	540.5603	(80.687)
TEMP 10 =	548.1160	(88.693)
TEMP 11 =	541.0526	(81.309)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.4810	(78.805)
TEMP 14 =	538.5815	(78.941)
TEMP 15 =	538.7365	(78.828)
TEMP 16 =	538.9535	(79.359)
TEMP 17 =	538.2167	(78.288)
PRES 1 =	59.2798	(58400.0)
PRES 2 =	59.2811	(60165.0)
VPRS 1 =	.4338	(75.230)
VPRS 2 =	.0000	(1.161)
VPRS 3 =	.4331	(75.576)
VPRS 4 =	.4462	(75.907)
VPRS 5 =	.4448	(76.014)
VPRS 6 =	.4370	(76.490)
VPRS 7 =	.4578	(76.913)
VPRS 8 =	.4626	(77.558)
VPRS 9 =	.4790	(77.745)

SUMMARY OF CORRECTED DATA

TIME = 1545

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.3782
CORRECTED PRESSURE (PSIA) =	58.8309
VAPOR PRESSURE (PSIA) =	.4496
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117589.1

SUMMARY OF MEASURED DATA AT 1600 1122

TEMP 1	=	559.1407	(	99.169)
TEMP 2	=	563.5778	(	103.860)
TEMP 3	=	563.8569	(	103.890)
TEMP 4	=	558.0120	(	98.103)
TEMP 5	=	559.3537	(	99.563)
TEMP 6	=	540.5002	(	80.979)
TEMP 7	=	541.6220	(	81.614)
TEMP 8	=	548.7345	(	88.595)
TEMP 9	=	540.5462	(	80.673)
TEMP 10	=	548.1361	(	88.713)
TEMP 11	=	541.0736	(	81.330)
TEMP 12	=	460.3700	(	.700)
TEMP 13	=	538.4810	(	78.805)
TEMP 14	=	538.5534	(	78.913)
TEMP 15	=	538.7656	(	78.857)
TEMP 16	=	538.9455	(	79.351)
TEMP 17	=	538.2117	(	78.283)

PRES 1	=	59.2778	(	58398.0)
PRES 2	=	59.2791	(	60163.0)

VPRS 1	=	.4346	(	75.283)
VPRS 2	=	.0000	(	1.171)
VPRS 3	=	.4308	(	75.418)
VPRS 4	=	.4451	(	75.833)
VPRS 5	=	.4452	(	76.040)
VPRS 6	=	.4378	(	76.545)
VPRS 7	=	.4577	(	76.908)
VPRS 8	=	.4608	(	77.441)
VPRS 9	=	.4786	(	77.725)

SUMMARY OF CORRECTED DATA

TIME = 1600

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.3795
CORRECTED PRESSURE (PSIA)	=	58.8295
VAPOR PRESSURE (PSIA)	=	.4489
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117586.1

SUMMARY OF MEASURED DATA AT 1615 1122

TEMP 1 =	559.1056	(99.134)
TEMP 2 =	563.5678	(103.850)
TEMP 3 =	563.8569	(103.890)
TEMP 4 =	558.0120	(98.103)
TEMP 5 =	559.3447	(99.554)
TEMP 6 =	540.4841	(80.963)
TEMP 7 =	541.6099	(81.602)
TEMP 8 =	548.7305	(88.591)
TEMP 9 =	540.5432	(80.670)
TEMP 10 =	548.1130	(88.000)
TEMP 11 =	541.0526	(81.309)
TEMP 12 =	460.3700	(.700)
TEMP 13 =	538.5092	(78.833)
TEMP 14 =	538.5735	(78.933)
TEMP 15 =	538.7576	(78.849)
TEMP 16 =	539.0228	(79.428)
TEMP 17 =	538.2108	(78.282)

PRES 1 =	59.2758	(58396.0)
PRES 2 =	59.2771	(60161.0)

VPRS 1 =	.4343	(75.268)
VPRS 2 =	.0000	(1.171)
VPRS 3 =	.4329	(75.566)
VPRS 4 =	.4452	(75.843)
VPRS 5 =	.4455	(76.057)
VPRS 6 =	.4382	(76.571)
VPRS 7 =	.4579	(76.921)
VPRS 8 =	.4607	(77.430)
VPRS 9 =	.4798	(77.796)

SUMMARY OF CORRECTED DATA

TIME = 1615

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.3807
CORRECTED PRESSURE (PSIA) =	58.8269
VAPOR PRESSURE (PSIA) =	.4495
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117580.6

SUMMARY OF MEASURED DATA AT 1630 1122

TEMP	1	=	559.0875	(	99.116)
TEMP	2	=	563.5678	(	103.850)
TEMP	3	=	563.8569	(	103.890)
TEMP	4	=	558.0180	(	98.109)
TEMP	5	=	559.3306	(	99.540)
TEMP	6	=	540.4711	(	80.950)
TEMP	7	=	541.6039	(	81.596)
TEMP	8	=	548.7164	(	88.577)
TEMP	9	=	540.5412	(	80.668)
TEMP	10	=	548.0880	(	88.665)
TEMP	11	=	541.0435	(	81.300)
TEMP	12	=	460.3680	(	.698)
TEMP	13	=	538.5041	(	78.828)
TEMP	14	=	538.5645	(	78.924)
TEMP	15	=	538.7595	(	78.851)
TEMP	16	=	538.9997	(	79.405)
TEMP	17	=	538.1475	(	78.219)

PRES	1	=	59.2737	(	58394.0)
PRES	2	=	59.2752	(	60159.0)

VPRS	1	=	.4361	(	75.387)
VPRS	2	=	.0000	(	1.170)
VPRS	3	=	.4326	(	75.541)
VPRS	4	=	.4456	(	75.869)
VPRS	5	=	.4457	(	76.072)
VPRS	6	=	.4381	(	76.562)
VPRS	7	=	.4587	(	76.974)
VPRS	8	=	.4623	(	77.539)
VPRS	9	=	.4768	(	77.613)

SUMMARY OF CORRECTED DATA

TIME = 1630

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.3672
CORRECTED PRESSURE (PSIA)	=	58.8248
VAPOR PRESSURE (PSIA)	=	.4496
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117579.4

SUMMARY OF MEASURED DATA AT 1645 1122

TEMP	1	=	559.0524	(	99.081)
TEMP	2	=	563.5477	(	103.830)
TEMP	3	=	563.8569	(	103.890)
TEMP	4	=	558.0180	(	98.109)
TEMP	5	=	559.3587	(	99.568)
TEMP	6	=	540.4781	(	80.957)
TEMP	7	=	541.5989	(	81.591)
TEMP	8	=	548.6993	(	88.560)
TEMP	9	=	540.5311	(	80.658)
TEMP	10	=	548.0638	(	88.641)
TEMP	11	=	541.0515	(	81.308)
TEMP	12	=	460.3700	(	.700)
TEMP	13	=	538.4931	(	78.817)
TEMP	14	=	538.5554	(	78.915)
TEMP	15	=	538.7606	(	78.852)
TEMP	16	=	538.9806	(	79.386)
TEMP	17	=	538.2027	(	78.274)

PRES	1	=	59.2717	(	58392.0)
PRES	2	=	59.2732	(	60157.0)

VPRS	1	=	.4348	(	75.299)
VPRS	2	=	.0000	(	1.167)
VPRS	3	=	.4326	(	75.541)
VPRS	4	=	.4465	(	75.926)
VPRS	5	=	.4458	(	76.075)
VPRS	6	=	.4382	(	76.570)
VPRS	7	=	.4589	(	76.986)
VPRS	8	=	.4616	(	77.490)
VPRS	9	=	.4764	(	77.590)

SUMMARY OF CORRECTED DATA

TIME = 1645

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.3654
CORRECTED PRESSURE (PSIA)	=	58.8229
VAPOR PRESSURE (PSIA)	=	.4495
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117575.9

SUMMARY OF MEASURED DATA AT 1700 1122

TEMP 1 =	559.0433	(99.072)
TEMP 2 =	563.5377	(103.820)
TEMP 3 =	563.8268	(103.860)
TEMP 4 =	558.0291	(98.120)
TEMP 5 =	559.3587	(99.568)
TEMP 6 =	540.4590	(80.938)
TEMP 7 =	541.5959	(81.588)
TEMP 8 =	548.6823	(88.543)
TEMP 9 =	540.5291	(80.656)
TEMP 10 =	548.0759	(88.653)
TEMP 11 =	541.0435	(81.300)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.4780	(78.802)
TEMP 14 =	538.5494	(78.909)
TEMP 15 =	538.7425	(78.834)
TEMP 16 =	538.8973	(79.303)
TEMP 17 =	538.1786	(78.250)

PRES 1 =	59.2697	(58390.0)
PRES 2 =	59.2712	(60155.0)

VPRS 1 =	.4355	(75.344)
VPRS 2 =	.0000	(1.174)
VPRS 3 =	.4324	(75.529)
VPRS 4 =	.4461	(75.901)
VPRS 5 =	.4459	(76.088)
VPRS 6 =	.4394	(76.652)
VPRS 7 =	.4576	(76.901)
VPRS 8 =	.4619	(77.514)
VPRS 9 =	.4783	(77.702)

SUMMARY OF CORRECTED DATA

TIME = 1700

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.3509
CORRECTED PRESSURE (PSIA) =	58.8207
VAPOR PRESSURE (PSIA) =	.4498
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117574.6

SUMMARY OF MEASURED DATA AT 1715 1122

TEMP 1 =	559.0082	(99.037)
TEMP 2 =	563.5076	(103.790)
TEMP 3 =	563.7968	(103.830)
TEMP 4 =	558.0421	(98.133)
TEMP 5 =	559.3828	(99.592)
TEMP 6 =	540.4460	(80.925)
TEMP 7 =	541.5758	(81.568)
TEMP 8 =	548.6843	(88.545)
TEMP 9 =	540.5171	(80.644)
TEMP 10 =	548.0850	(88.662)
TEMP 11 =	541.0295	(81.286)
TEMP 12 =	4 . . 3670	(.697)
TEMP 13 =	538.4600	(78.784)
TEMP 14 =	538.5444	(78.904)
TEMP 15 =	538.7475	(78.839)
TEMP 16 =	538.9686	(79.374)
TEMP 17 =	538.1946	(78.266)

PRES 1 =	59.2676	(58388.0)
PRES 2 =	59.2692	(60153.0)

VPRS 1 =	.4355	(75.346)
VPRS 2 =	.0000	(1.171)
VPRS 3 =	.4334	(75.598)
VPRS 4 =	.4461	(75.903)
VPRS 5 =	.4454	(76.055)
VPRS 6 =	.4387	(76.608)
VPRS 7 =	.4589	(76.982)
VPRS 8 =	.4610	(77.452)
VPRS 9 =	.4790	(77.746)

SUMMARY OF CORRECTED DATA

TIME = 1715

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.3519
CORRECTED PRESSURE (PSIA) =	58.8185
VAPOR PRESSURE (PSIA) =	.4499
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117570.0

SUMMARY OF MEASURED DATA AT 1730 1122

TEMP	1	=	558.9961	(	99.025)
TEMP	2	=	563.4774	(	103.760)
TEMP	3	=	563.7968	(	103.830)
TEMP	4	=	558.0451	(	98.136)
TEMP	5	=	559.3818	(	99.591)
TEMP	6	=	540.4500	(	80.929)
TEMP	7	=	541.5637	(	81.556)
TEMP	8	=	548.6722	(	88.533)
TEMP	9	=	540.5171	(	80.644)
TEMP	10	=	548.0789	(	88.656)
TEMP	11	=	541.0234	(	81.280)
TEMP	12	=	460.3700	(	.700)
TEMP	13	=	538.4579	(	78.782)
TEMP	14	=	538.5464	(	78.906)
TEMP	15	=	538.7606	(	78.852)
TEMP	16	=	538.9585	(	79.364)
TEMP	17	=	538.1816	(	78.253)

PRES	1	=	59.2656	(	58386.0)
PRES	2	=	59.2673	(	60151.0)

VPRS	1	=	.4368	(	75.431)
VPRS	2	=	.0000	(	1.174)
VPRS	3	=	.4340	(	75.639)
VPRS	4	=	.4467	(	75.939)
VPRS	5	=	.4465	(	76.126)
VPRS	6	=	.4398	(	76.680)
VPRS	7	=	.4582	(	76.942)
VPRS	8	=	.4620	(	77.517)
VPRS	9	=	.4772	(	77.638)

SUMMARY OF CORRECTED DATA

TIME = 1730

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.3477
CORRECTED PRESSURE (PSIA)	=	58.8161
VAPOR PRESSURE (PSIA)	=	.4503
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117566.2

SUMMARY OF MEASURED DATA AT 1745 1122

TEMP 1 =	558.9771	(99.006)
TEMP 2 =	563.4373	(103.720)
TEMP 3 =	563.7667	(103.800)
TEMP 4 =	558.0521	(98.143)
TEMP 5 =	559.3939	(99.603)
TEMP 6 =	540.4410	(80.920)
TEMP 7 =	541.5637	(81.556)
TEMP 8 =	548.6591	(88.520)
TEMP 9 =	540.5120	(80.639)
TEMP 10 =	548.0579	(88.635)
TEMP 11 =	541.0094	(81.266)
TEMP 12 =	460.3700	(.700)
TEMP 13 =	538.4520	(78.776)
TEMP 14 =	538.5384	(78.098)
TEMP 15 =	538.7635	(78.855)
TEMP 16 =	538.9395	(79.345)
TEMP 17 =	538.1505	(78.222)

PRES 1 =	59.2635	(58384.0)
PRES 2 =	59.2653	(60149.0)

VPRS 1 =	.4359	(75.372)
VPRS 2 =	.0000	(1.170)
VPRS 3 =	.4339	(75.633)
VPRS 4 =	.4476	(76.002)
VPRS 5 =	.4463	(76.109)
VPRS 6 =	.4392	(6.643)
VPRS 7 =	.4582	(76.942)
VPRS 8 =	.4612	(77.467)
VPRS 9 =	.4792	(77.757)

SUMMARY OF CORRECTED DATA

TIME = 1745

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.3372
CORRECTED PRESSURE (PSIA) =	58.8140
VAPOR PRESSURE (PSIA) =	.4504
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117564.2

SUMMARY OF MEASURED DATA AT 1800 1122

TEMP 1 =	558.9479	(98.977)
TEMP 2 =	558.9774	(103.760)
TEMP 3 =	563.7867	(103.820)
TEMP 4 =	558.0672	(98.158)
TEMP 5 =	559.3878	(99.597)
TEMP 6 =	540.4199	(80.899)
TEMP 7 =	541.5536	(81.546)
TEMP 8 =	548.6641	(88.525)
TEMP 9 =	540.5110	(80.638)
TEMP 10 =	548.0488	(88.626)
TEMP 11 =	541.0023	(81.259)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.4771	(78.801)
TEMP 14 =	538.5474	(78.907)
TEMP 15 =	538.7475	(78.839)
TEMP 16 =	538.9134	(79.319)
TEMP 17 =	538.1846	(78.256)

PRES 1 =	59.2615	(58382.0)
PRES 2 =	59.2633	(60147.0)

VPRS 1 =	.4361	(75.383)
VPRS 2 =	.0000	(1.179)
VPRS 3 =	.4347	(75.686)
VPRS 4 =	.4468	(75.949)
VPRS 5 =	.4463	(76.109)
VPRS 6 =	.4399	(76.689)
VPRS 7 =	.4578	(76.915)
VPRS 8 =	.4621	(77.526)
VPRS 9 =	.4795	(77.777)

SUMMARY OF CORRECTED DATA

TIME = 1800

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.3370
CORRECTED PRESSURE (PSIA) =	58.8118
VAPOR PRESSURE (PSIA) =	.4506
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117559.9

SUMMARY OF MEASURED DATA AT 1815 1122

TEMP 1 =	558.9248	(98.954)
TEMP 2 =	563.4573	(103.740)
TEMP 3 =	563.7667	(103.800)
TEMP 4 =	558.0732	(98.164)
TEMP 5 =	559.3818	(99.591)
TEMP 6 =	540.4199	(80.899)
TEMP 7 =	541.5577	(81.550)
TEMP 8 =	548.6440	(88.505)
TEMP 9 =	540.4910	(80.618)
TEMP 10 =	548.0579	(88.635)
TEMP 11 =	540.9993	(81.256)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.4640	(78.788)
TEMP 14 =	538.5264	(78.886)
TEMP 15 =	538.7626	(78.854)
TEMP 16 =	538.9565	(79.362)
TEMP 17 =	538.1565	(78.228)

PRES 1 =	59.2595	(58380.0)
PRES 2 =	59.2603	(60144.0)

VPRS 1 =	.4366	(75.418)
VPRS 2 =	.0000	(1.177)
VPRS 3 =	.4341	(75.648)
VPRS 4 =	.4468	(75.949)
VPRS 5 =	.4467	(76.135)
VPRS 6 =	.4395	(76.661)
VPRS 7 =	.4598	(77.044)
VPRS 8 =	.4620	(77.516)
VPRS 9 =	.4796	(77.783)

SUMMARY OF CORRECTED DATA

TIME = 1815

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.3329
CORRECTED PRESSURE (PSIA) =	58.8091
VAPOR PRESSURE (PSIA) =	.4508
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117555.4

SUMMARY OF MEASURED DATA AT 1830 1122

TEMP 1	=	558.9218	(	98.951)
TEMP 2	=	563.3770	(	103.660)
TEMP 3	=	563.7567	(	103.750)
TEMP 4	=	558.0812	(	98.172)
TEMP 5	=	559.3657	(	99.575)
TEMP 6	=	540.4179	(	80.897)
TEMP 7	=	541.5466	(	81.539)
TEMP 8	=	548.6349	(	88.496)
TEMP 9	=	540.4940	(	80.621)
TEMP 10	=	548.0318	(	88.609)
TEMP 11	=	540.9903	(	81.247)
TEMP 12	=	460.3710	(	.701)
TEMP 13	=	538.4349	(	78.759)
TEMP 14	=	538.5123	(	78.872)
TEMP 15	=	538.7365	(	78.828)
TEMP 16	=	538.8893	(	79.295)
TEMP 17	=	538.1786	(	78.250)

PRES 1	=	59.2585	(	58379.0)
PRES 2	=	59.2603	(	60144.0)

VPRS 1	=	.4357	(	75.360)
VPRS 2	=	.0000	(	1.177)
VPRS 3	=	.4329	(	75.561)
VPRS 4	=	.4472	(	75.973)
VPRS 5	=	.4468	(	76.145)
VPRS 6	=	.4405	(	76.731)
VPRS 7	=	.4579	(	76.921)
VPRS 8	=	.4615	(	77.485)
VPRS 9	=	.4782	(	77.696)

SUMMARY OF CORRECTED DATA

TIME = 1830

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.3175
CORRECTED PRESSURE (PSIA)	=	58.8092
VAPOR PRESSURE (PSIA)	=	.4502
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117558.8

SUMMARY OF MEASURED DATA AT 1845 1122

TEMP 1 =	558.8836	(98.913)
TEMP 2 =	563.4072	(103.690)
TEMP 3 =	563.7266	(103.760)
TEMP 4 =	558.0812	(98.172)
TEMP 5 =	559.3889	(99.598)
TEMP 6 =	540.4128	(80.892)
TEMP 7 =	541.5336	(81.526)
TEMP 8 =	548.6229	(88.484)
TEMP 9 =	540.4980	(80.625)
TEMP 10 =	548.0117	(88.589)
TEMP 11 =	540.9833	(81.240)
TEMP 12 =	460.3710	(.701)
TEMP 13 =	538.4690	(78.793)
TEMP 14 =	538.5053	(78.865)
TEMP 15 =	538.7365	(78.828)
TEMP 16 =	538.8873	(79.293)
TEMP 17 =	538.1595	(78.231)
PRES 1 =	59.2534	(58374.0)
PRES 2 =	59.2564	(60140.0)
VPRS 1 =	.4367	(75.428)
VPRS 2 =	.0000	(1.173)
VPRS 3 =	.4356	(75.749)
VPRS 4 =	.4484	(76.054)
VPRS 5 =	.4469	(76.150)
VPRS 6 =	.4400	(76.696)
VPRS 7 =	.4601	(77.064)
VPRS 8 =	.4618	(77.504)
VPRS 9 =	.4785	(77.720)

SUMMARY OF CORRECTED DATA

TIME = 1845

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.3140
CORRECTED PRESSURE (PSIA) =	58.8036
VAPOR PRESSURE (PSIA) =	.4513
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117548.4

SUMMARY OF MEASURED DATA AT 1900 1122

TEMP 1 =	558.8716	(98.901)
TEMP 2 =	563.4373	(103.720)
TEMP 3 =	563.7266	(103.760)
TEMP 4 =	558.0883	(98.179)
TEMP 5 =	559.3918	(99.601)
TEMP 6 =	540.4119	(80.891)
TEMP 7 =	541.5316	(81.524)
TEMP 8 =	548.6088	(88.470)
TEMP 9 =	540.4940	(80.621)
TEMP 10 =	548.0167	(88.594)
TEMP 11 =	540.9772	(81.234)
TEMP 12 =	460.3710	(.701)
TEMP 13 =	538.4288	(78.753)
TEMP 14 =	538.5063	(78.866)
TEMP 15 =	538.7154	(78.807)
TEMP 16 =	538.9013	(79.307)
TEMP 17 =	538.1475	(78.219)

PRES 1 =	59.2483	(58369.0)
PRES 2 =	59.2505	(60134.0)

VPRS 1 =	.4369	(75.442)
VPRS 2 =	.0000	(1.177)
VPRS 3 =	.4341	(75.643)
VPRS 4 =	.4479	(76.017)
VPRS 5 =	.4473	(76.176)
VPRS 6 =	.4405	(76.727)
VPRS 7 =	.4594	(77.017)
VPRS 8 =	.4609	(77.447)
VPRS 9 =	.4778	(77.677)

SUMMARY OF CORRECTED DATA

TIME = 1900

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.3090
CORRECTED PRESSURE (PSIA) =	58.7986
VAPOR PRESSURE (PSIA) =	.4508
VOLUME (CU. FT.) =	403120.0
AIR MASS (LBM) =	117539.5

SUMMARY OF MEASURED DATA AT 1915 1122

TEMP 1 =	558.8244	(98.854)
TEMP 2 =	563.3770	(103.660)
TEMP 3 =	563.7065	(103.740)
TEMP 4 =	558.0843	(98.175)
TEMP 5 =	559.3798	(99.589)
TEMP 6 =	540.4069	(80.886)
TEMP 7 =	541.5256	(81.518)
TEMP 8 =	548.6038	(88.465)
TEMP 9 =	540.4919	(80.619)
TEMP 10 =	548.0137	(88.591)
TEMP 11 =	540.9702	(81.227)
TEMP 12 =	460.3700	(.700)
TEMP 13 =	538.4429	(78.767)
TEMP 14 =	538.5033	(78.863)
TEMP 15 =	538.7244	(78.816)
TEMP 16 =	538.9686	(79.374)
TEMP 17 =	538.1495	(78.221)

PRES 1 =	59.2442	(58365.0)
PRES 2 =	59.2455	(60129.0)

VPRS 1 =	.4370	(75.444)
VPRS 2 =	.0000	(1.182)
VPRS 3 =	.4357	(75.756)
VPRS 4 =	.4481	(76.034)
VPRS 5 =	.4473	(76.176)
VPRS 6 =	.4400	(76.699)
VPRS 7 =	.4579	(76.921)
VPRS 8 =	.4614	(77.482)
VPRS 9 =	.4799	(77.804)

SUMMARY OF CORRECTED DATA

TIME = 1915

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.3098
CORRECTED PRESSURE (PSIA) =	58.7937
VAPOR PRESSURE (PSIA) =	.4512
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117529.6

SUMMARY OF MEASURED DATA AT 1930 1122

TEMP	1	=	558.8224	(	98.852)
TEMP	2	=	563.3670	(	103.650)
TEMP	3	=	563.6865	(	103.720)
TEMP	4	=	558.0974	(	98.188)
TEMP	5	=	559.3889	(	99.598)
TEMP	6	=	540.4089	(	80.838)
TEMP	7	=	541.5145	(	81.507)
TEMP	8	=	548.5908	(	88.452)
TEMP	9	=	540.4829	(	80.610)
TEMP	10	=	547.9966	(	88.574)
TEMP	11	=	540.9772	(	81.234)
TEMP	12	=	460.3680	(	.698)
TEMP	13	=	538.4479	(	78.772)
TEMP	14	=	538.5083	(	78.868)
TEMP	15	=	538.7134	(	78.805)
TEMP	16	=	538.8692	(	79.275)
TEMP	17	=	538.1555	(	78.227)

PRES	1	=	59.2391	(	58360.0)
PRES	2	=	59.2406	(	60124.0)

VPRS	1	=	.4377	(	75.491)
VPRS	2	=	.0000	(	1.179)
VPRS	3	=	.4331	(	75.576)
VPRS	4	=	.4488	(	76.077)
VPRS	5	=	.4478	(	76.207)
VPRS	6	=	.4407	(	76.744)
VPRS	7	=	.4585	(	76.960)
VPRS	8	=	.4619	(	77.513)
VPRS	9	=	.4806	(	77.848)

SUMMARY OF CORRECTED DATA

TIME = 1930

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.2997
CORRECTED PRESSURE (PSIA)	=	58.7886
VAPOR PRESSURE (PSIA)	=	.4513
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117521.5

SUMMARY OF MEASURED DATA AT 1945 1122

TEMP	1	=	558.7983	(	98.828)
TEMP	2	=	563.3469	(	103.630)
TEMP	3	=	563.6464	(	103.680)
TEMP	4	=	558.1064	(	98.197)
TEMP	5	=	559.3768	(	99.586)
TEMP	6	=	540.4028	(	80.882)
TEMP	7	=	541.5045	(	81.497)
TEMP	8	=	548.5887	(	88.450)
TEMP	9	=	540.4739	(	80.601)
TEMP	10	=	548.0067	(	88.584)
TEMP	11	=	540.9853	(	81.242)
TEMP	12	=	460.3680	(	.698)
TEMP	13	=	538.4509	(	78.775)
TEMP	14	=	538.5153	(	78.875)
TEMP	15	=	538.6893	(	78.781)
TEMP	16	=	538.9445	(	79.350)
TEMP	17	=	538.1565	(	78.228)

PRES	1	=	59.2340	(	58355.0)
PRES	2	=	59.2367	(	60120.0)

VPRS	1	=	.4377	(	75.492)
VPRS	2	=	.0000	(	1.176)
VPRS	3	=	.4340	(	75.636)
VPRS	4	=	.4496	(	76.132)
VPRS	5	=	.4472	(	76.167)
VPRS	6	=	.4409	(	76.756)
VPRS	7	=	.4581	(	76.934)
VPRS	8	=	.4621	(	77.525)
VPRS	9	=	.4783	(	77.705)

SUMMARY OF CORRECTED DATA

TIME = 1945

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.3015
CORRECTED PRESSURE (PSIA)	=	58.7842
VAPOR PRESSURE (PSIA)	=	.4512
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117512.3

SUMMARY OF MEASURED DATA AT 2000 1122

TEMP 1	=	558.7701	(	98.800)
TEMP 2	=	563.3369	(	103.620)
TEMP 3	=	563.6263	(	103.660)
TEMP 4	=	558.1144	(	98.205)
TEMP 5	=	559.4009	(	99.610)
TEMP 6	=	540.3968	(	80.876)
TEMP 7	=	541.4934	(	81.486)
TEMP 8	=	548.5686	(	88.430)
TEMP 9	=	540.4789	(	80.606)
TEMP 10	=	547.9876	(	88.565)
TEMP 11	=	540.9853	(	81.242)
TEMP 12	=	560.3700	(	.700)
TEMP 13	=	538.4459	(	78.770)
TEMP 14	=	538.5033	(	78.863)
TEMP 15	=	538.7134	(	78.805)
TEMP 16	=	538.9244	(	79.330)
TEMP 17	=	538.1183	(	78.190)

PRES 1	=	59.2289	(	58350.0)
PRES 2	=	59.2317	(	60115.0)

VPRS 1	=	.4378	(	75.499)
VPRS 2	=	.0000	(	1.182)
VPRS 3	=	.4372	(	75.857)
VPRS 4	=	.4489	(	76.086)
VPRS 5	=	.4473	(	76.179)
VPRS 6	=	.4413	(	76.783)
VPRS 7	=	.4588	(	76.976)
VPRS 8	=	.4614	(	77.478)
VPRS 9	=	.4786	(	77.723)

SUMMARY OF CORRECTED DATA

TIME = 2000

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.2939
CORRECTED PRESSURE (PSIA)	=	58.7787
VAPOR PRESSURE (PSIA)	=	.4517
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117502.9

SUMMARY OF MEASURED DATA AT 2015 1122

TEMP 1 = 558.7501 (98.780)
TEMP 2 = 563.3168 (103.600)
TEMP 3 = 563.5962 (103.630)
TEMP 4 = 558.1104 (98.201)
TEMP 5 = 559.4170 (99.626)
TEMP 6 = 540.3918 (80.871)
TEMP 7 = 541.5024 (81.495)
TEMP 8 = 548.5746 (88.436)
TEMP 9 = 540.4739 (80.601)
TEMP 10 = 548.0087 (88.586)
TEMP 11 = 540.9763 (81.233)
TEMP 12 = 460.3710 (.701)
TEMP 13 = 538.4168 (78.741)
TEMP 14 = 538.5033 (78.863)
TEMP 15 = 538.7124 (78.804)
TEMP 16 = 539.0057 (79.411)
TEMP 17 = 538.1505 (78.222)

PRES 1 = 59.2239 (58345.0)
PRES 2 = 59.2268 (60110.0)

VPRS 1 = .4379 (75.506)
VPRS 2 = .0000 (1.185)
VPRS 3 = .4364 (75.802)
VPRS 4 = .4487 (76.069)
VPRS 5 = .4480 (76.225)
VPRS 6 = .4418 (76.820)
VPRS 7 = .4572 (76.878)
VPRS 8 = .4613 (77.471)
VPRS 9 = .4781 (77.691)

SUMMARY OF CORRECTED DATA

TIME = 2015

DATE = 1122

TEMPERATURE (DEGREES R.) = 544.3004
CORRECTED PRESSURE (PSIA) = 58.7739
VAPOR PRESSURE (PSIA) = .4514
VOLUME (CU.FT.) = 403120.0
AIR MASS (LBM) = 117492.1

SUMMARY OF MEASURED DATA AT 2030 1122

TEMP 1 =	558.7270	(98.757)
TEMP 2 =	563.3168	(103.600)
TEMP 3 =	563.6163	(103.650)
TEMP 4 =	558.1204	(98.211)
TEMP 5 =	559.4270	(99.636)
TEMP 6 =	540.3948	(80.874)
TEMP 7 =	541.4824	(81.475)
TEMP 8 =	548.5455	(88.407)
TEMP 9 =	540.4708	(80.598)
TEMP 10 =	548.0007	(88.578)
TEMP 11 =	540.9622	(81.219)
TEMP 12 =	460.3680	(.698)
TEMP 13 =	538.4168	(78.741)
TEMP 14 =	538.4862	(78.846)
TEMP 15 =	538.7124	(78.804)
TEMP 16 =	538.8923	(79.298)
TEMP 17 =	538.1445	(78.216)

PRES 1 =	59.2198	(58341.0)
PRES 2 =	59.2218	(60105.0)

VPRS 1 =	.4379	(75.508)
VPRS 2 =	.0000	(1.184)
VPRS 3 =	.4362	(75.793)
VPRS 4 =	.4490	(76.091)
VPRS 5 =	.4488	(76.274)
VPRS 6 =	.4417	(76.811)
VPRS 7 =	.4586	(76.969)
VPRS 8 =	.4610	(77.452)
VPRS 9 =	.4779	(77.682)

SUMMARY OF CORRECTED DATA

TIME = 2030

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.2856
CORRECTED PRESSURE (PSIA) =	58.7692
VAPOR PRESSURE (PSIA) =	.4516
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117485.8

SUMMARY OF MEASURED DATA AT 2045 1122

TEMP 1 = 558.7089 (98.739)
 TEMP 2 = 563.3469 (103.630)
 TEMP 3 = 563.5862 (103.620)
 TEMP 4 = 558.1254 (98.216)
 TEMP 5 = 559.4109 (99.620)
 TEMP 6 = 540.3878 (80.867)
 TEMP 7 = 541.4874 (81.480)
 TEMP 8 = 548.5385 (88.400)
 TEMP 9 = 540.4759 (80.603)
 TEMP 10 = 547.9846 (88.562)
 TEMP 11 = 540.9572 (81.214)
 TEMP 12 = 460.3700 (.700)
 TEMP 13 = 538.4369 (78.761)
 TEMP 14 = 538.4862 (78.846)
 TEMP 15 = 538.7124 (78.804)
 TEMP 16 = 538.9415 (79.347)
 TEMP 17 = 538.1033 (78.175)

PRES 1 = 59.2137 (58335.0)
 PRES 2 = 59.2169 (60150.0)

VPRS 1 = .4382 (75.525)
 VPRS 2 = .0000 (1.179)
 VPRS 3 = .4361 (75.782)
 VPRS 4 = .4507 (76.202)
 VPRS 5 = .4484 (76.251)
 VPRS 6 = .4412 (76.777)
 VPRS 7 = .4611 (77.122)
 VPRS 8 = .4612 (77.468)
 VPRS 9 = .4781 (77.693)

SUMMARY OF CORRECTED DATA

TIME = 2045

DATE = 1122

TEMPERATURE (DEGREES R.) = 544.2849
 CORRECTED PRESSURE (PSIA) = 58.7632
 VAPOR PRESSURE (PSIA) = .4521
 VOLUME (CU.FT.) = 403120.0
 AIR MASS (LBM) = 117473.9

SUMMARY OF MEASURED DATA AT 2100 1122

TEMP 1 =	558.6858	(98.716)
TEMP 2 =	563.2264	(103.510)
TEMP 3 =	563.5962	(103.630)
TEMP 4 =	558.1325	(98.223)
TEMP 5 =	559.4049	(99.614)
TEMP 6 =	540.3848	(80.864)
TEMP 7 =	541.4793	(81.472)
TEMP 8 =	548.5425	(88.404)
TEMP 9 =	540.4618	(80.589)
TEMP 10 =	547.9625	(88.540)
TEMP 11 =	540.9712	(81.228)
TEMP 12 =	460.3700	(.700)
TEMP 13 =	538.4308	(78.755)
TEMP 14 =	538.5093	(78.869)
TEMP 15 =	538.6963	(78.788)
TEMP 16 =	538.8321	(79.238)
TEMP 17 =	538.1334	(78.205)

PRES 1 =	59.2086	(58330.0)
PRES 2 =	59.2120	(60095.0)

VPRS 1 =	.4394	(75.602)
VPRS 2 =	.0000	(1.187)
VPRS 3 =	.4374	(75.868)
VPRS 4 =	.4493	(76.113)
VPRS 5 =	.4484	(76.252)
VPRS 6 =	.4416	(76.806)
VPRS 7 =	.4578	(76.913)
VPRS 8 =	.4617	(77.500)
VPRS 9 =	.4786	(77.726)

SUMMARY OF CORRECTED DATA

TIME = 2100

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.2736
CORRECTED PRESSURE (PSIA) =	58.7583
VAPOR PRESSURE (PSIA) =	.4520
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117466.6

SUMMARY OF MEASURED DATA AT 2115 1122

TEMP 1 =	558.6416	(98.672)
TEMP 2 =	563.2565	(103.540)
TEMP 3 =	563.5862	(103.620)
TEMP 4 =	558.1355	(98.226)
TEMP 5 =	559.4200	(99.529)
TEMP 6 =	540.3857	(80.865)
TEMP 7 =	541.4703	(81.463)
TEMP 8 =	548.5445	(88.406)
TEMP 9 =	540.4628	(80.590)
TEMP 10 =	547.9445	(88.522)
TEMP 11 =	540.9542	(81.211)
TEMP 12 =	460.3700	(.700)
TEMP 13 =	538.4198	(78.744)
TEMP 14 =	538.4993	(78.859)
TEMP 15 =	538.7164	(78.808)
TEMP 16 =	538.8692	(79.275)
TEMP 17 =	538.1304	(78.202)

PRES 1 =	59.2045	(58326.0)
PRES 2 =	59.2070	(60090.0)

VPRS 1 =	.4375	(75.477)
VPRS 2 =	.0000	(1.188)
VPRS 3 =	.4370	(75.842)
VPRS 4 =	.4501	(76.161)
VPRS 5 =	.4486	(76.263)
VPRS 6 =	.4423	(76.852)
VPRS 7 =	.4578	(76.918)
VPRS 8 =	.4611	(77.459)
VPRS 9 =	.4782	(77.699)

SUMMARY OF CORRECTED DATA

TIME = 2115

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.2733
CORRECTED PRESSURE (PSIA) =	58.7539
VAPOR PRESSURE (PSIA) =	.4519
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117457.9

SUMMARY OF MEASURED DATA AT 2130 1122

TEMP 1 =	558.6295	(98.660)
TEMP 2 =	563.2465	(103.530)
TEMP 3 =	563.5561	(103.590)
TEMP 4 =	558.1486	(98.239)
TEMP 5 =	559.4210	(99.530)
TEMP 6 =	540.3807	(80.860)
TEMP 7 =	541.4583	(81.451)
TEMP 8 =	548.5475	(88.409)
TEMP 9 =	540.4618	(80.589)
TEMP 10 =	547.9445	(88.522)
TEMP 11 =	540.9652	(81.222)
TEMP 12 =	460.3710	(.701)
TEMP 13 =	538.4429	(78.767)
TEMP 14 =	538.4952	(78.855)
TEMP 15 =	538.6863	(78.778)
TEMP 16 =	538.8712	(79.277)
TEMP 17 =	538.1495	(78.221)

PRES 1 =	59.1994	(58321.0)
PRES 2 =	59.2031	(60086.0)

VPRS 1 =	.4391	(75.584)
VPRS 2 =	.0000	(1.187)
VPRS 3 =	.4380	(75.915)
VPRS 4 =	.4499	(76.152)
VPRS 5 =	.4493	(76.307)
VPRS 6 =	.4428	(76.890)
VPRS 7 =	.4584	(76.954)
VPRS 8 =	.4610	(77.450)
VPRS 9 =	.4781	(77.693)

SUMMARY OF CORRECTED DATA

TIME = 2130

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.2731
CORRECTED PRESSURE (PSIA) =	58.7490
VAPOR PRESSURE (PSIA) =	.4523
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117448.0

SUMMARY OF MEASURED DATA AT 2145 1122

TEMP	1	=	558.5974	(	98.628)
TEMP	2	=	563.1963	(	103.480)
TEMP	3	=	563.5361	(	103.570)
TEMP	4	=	558.1495	(	98.240)
TEMP	5	=	559.4139	(	99.623)
TEMP	6	=	540.3777	(	80.857)
TEMP	7	=	541.4592	(	81.452)
TEMP	8	=	548.5264	(	88.388)
TEMP	9	=	540.4598	(	80.587)
TEMP	10	=	547.9716	(	88.549)
TEMP	11	=	540.9501	(	81.207)
TEMP	12	=	460.3700	(	.700)
TEMP	13	=	538.4138	(	78.738)
TEMP	14	=	538.4792	(	78.839)
TEMP	15	=	538.6903	(	78.782)
TEMP	16	=	538.9003	(	79.306)
TEMP	17	=	538.1294	(	78.201)

PRES	1	=	59.1943	(	58316.0)
PRES	2	=	59.1982	(	60081.0)

VPRS	1	=	.4389	(	75.572)
VPRS	2	=	.0000	(	1.181)
VPRS	3	=	.4368	(	75.833)
VPRS	4	=	.4502	(	76.167)
VPRS	5	=	.4490	(	76.286)
VPRS	6	=	.4427	(	76.881)
VPRS	7	=	.4581	(	76.933)
VPRS	8	=	.4611	(	77.458)
VPRS	9	=	.4793	(	77.764)

SUMMARY OF CORRECTED DATA

TIME = 2145

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.2671
CORRECTED PRESSURE (PSIA)	=	58.7440
VAPOR PRESSURE (PSIA)	=	.4522
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117439.5

SUMMARY OF MEASURED DATA AT 2200 1122

TEMP 1	=	558.5803	(	98.611)
TEMP 2	=	563.2164	(	103.500)
TEMP 3	=	563.5060	(	103.540)
TEMP 4	=	558.1425	(	98.233)
TEMP 5	=	559.4290	(	99.638)
TEMP 6	=	540.3747	(	80.854)
TEMP 7	=	541.4592	(	81.452)
TEMP 8	=	548.5234	(	88.385)
TEMP 9	=	540.4558	(	80.583)
TEMP 10	=	547.8943	(	88.472)
TEMP 11	=	540.9471	(	81.204)
TEMP 12	=	460.3680	(	.698)
TEMP 13	=	538.4018	(	78.726)
TEMP 14	=	538.4922	(	78.852)
TEMP 15	=	538.6953	(	78.787)
TEMP 16	=	538.8602	(	79.266)
TEMP 17	=	538.1334	(	78.205)

PRES 1	=	59.1903	(	58312.0)
PRES 2	=	59.1932	(	60076.0)

VPRS 1	=	.4383	(	75.529)
VPRS 2	=	.0000	(	1.188)
VPRS 3	=	.4376	(	75.883)
VPRS 4	=	.4503	(	76.173)
VPRS 5	=	.4492	(	76.300)
VPRS 6	=	.4425	(	76.866)
VPRS 7	=	.4580	(	76.928)
VPRS 8	=	.4614	(	77.482)
VPRS 9	=	.4777	(	77.667)

SUMMARY OF CORRECTED DATA

TIME = 2200

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.2576
CORRECTED PRESSURE (PSIA)	=	58.7396
VAPOR PRESSURE (PSIA)	=	.4521
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117432.7

SUMMARY OF MEASURED DATA AT 2215 1122

TEMP 1 =	558.5683	(98.599)
TEMP 2 =	563.1963	(103.480)
TEMP 3 =	563.5361	(103.570)
TEMP 4 =	558.1556	(98.246)
TEMP 5 =	559.4139	(99.623)
TEMP 6 =	540.3828	(80.862)
TEMP 7 =	541.4462	(81.439)
TEMP 8 =	548.5244	(88.386)
TEMP 9 =	540.4628	(80.590)
TEMP 10 =	547.9244	(88.502)
TEMP 11 =	540.9511	(81.208)
TEMP 12 =	460.3700	(.700)
TEMP 13 =	538.4118	(78.736)
TEMP 14 =	538.4893	(78.849)
TEMP 15 =	538.6903	(78.782)
TEMP 16 =	538.8461	(79.252)
TEMP 17 =	538.1465	(78.218)

PRES 1 =	59.1852	(58307.0)
PRES 2 =	59.1883	(60071.0)

VPRS 1 =	.4388	(75.566)
VPRS 2 =	.0000	(1.188)
VPRS 3 =	.4391	(75.987)
VPRS 4 =	.4500	(76.153)
VPRS 5 =	.4496	(76.327)
VPRS 6 =	.4437	(76.951)
VPRS 7 =	.4575	(76.895)
VPRS 8 =	.4618	(77.502)
VPRS 9 =	.4798	(77.738)

SUMMARY OF CORRECTED DATA

TIME = 2215

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.2604
CORRECTED PRESSURE (PSIA) =	58.7341
VAPOR PRESSURE (PSIA) =	.4527
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117421.0

SUMMARY OF MEASURED DATA AT 2230 1122

TEMP	1	=	558.5422	(	98.573)
TEMP	2	=	563.1863	(	103.470)
TEMP	3	=	563.4759	(	103.510)
TEMP	4	=	558.1495	(	98.240)
TEMP	5	=	559.4230	(	99.632)
TEMP	6	=	540.3737	(	80.853)
TEMP	7	=	541.4472	(	81.440)
TEMP	8	=	548.4892	(	88.351)
TEMP	9	=	540.4658	(	80.593)
TEMP	10	=	547.9164	(	88.494)
TEMP	11	=	540.9421	(	81.199)
TEMP	12	=	460.3700	(	.700)
TEMP	13	=	538.4138	(	78.738)
TEMP	14	=	538.4681	(	78.828)
TEMP	15	=	538.7014	(	78.793)
TEMP	16	=	538.8933	(	79.299)
TEMP	17	=	538.1324	(	78.204)

PRES	1	=	59.1811	(	58303.0)
PRES	2	=	59.1843	(	60067.0)

VPRS	1	=	.4408	(	75.700)
VPRS	2	=	.0000	(	1.188)
VPRS	3	=	.4372	(	75.856)
VPRS	4	=	.4500	(	76.158)
VPRS	5	=	.4497	(	76.332)
VPRS	6	=	.4425	(	76.866)
VPRS	7	=	.4585	(	76.957)
VPRS	8	=	.4604	(	77.413)
VPRS	9	=	.4769	(	77.621)

SUMMARY OF CORRECTED DATA

TIME = 2230

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.2557
CORRECTED PRESSURE (PSIA)	=	58.7306
VAPOR PRESSURE (PSIA)	=	.4521
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117415.1

SUMMARY OF MEASURED DATA AT 2245 1122

TEMP	1	=	558.5161	(	98.547)
TEMP	2	=	563.1461	(	103.430)
TEMP	3	=	563.4659	(	103.500)
TEMP	4	=	558.1636	(	98.254)
TEMP	5	=	559.4320	(	99.641)
TEMP	6	=	540.3747	(	80.854)
TEMP	7	=	541.4462	(	81.439)
TEMP	8	=	548.4841	(	88.346)
TEMP	9	=	540.4588	(	80.586)
TEMP	10	=	547.9073	(	88.485)
TEMP	11	=	540.9501	(	81.207)
TEMP	12	=	460.3700	(	.700)
TEMP	13	=	538.4308	(	78.755)
TEMP	14	=	538.4762	(	78.836)
TEMP	15	=	538.6702	(	78.762)
TEMP	16	=	538.8983	(	79.304)
TEMP	17	=	538.1304	(	78.202)

PRES	1	=	59.1770	(	58299.0)
PRES	2	=	59.1794	(	60062.0)

VPRS	1	=	.4404	(	75.671)
VPRS	2	=	.0000	(	1.190)
VPRS	3	=	.4380	(	75.914)
VPRS	4	=	.4504	(	76.185)
VPRS	5	=	.4501	(	76.358)
VPRS	6	=	.4434	(	76.927)
VPRS	7	=	.4574	(	76.887)
VPRS	8	=	.4624	(	77.546)
VPRS	9	=	.4780	(	77.687)

SUMMARY OF CORRECTED DATA

TIME = 2245

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.2538
CORRECTED PRESSURE (PSIA)	=	58.7255
VAPOR PRESSURE (PSIA)	=	.4527
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117405.4

SUMMARY OF MEASURED DATA AT 2300 1122

TEMP	1	=	558.4960	(	98.527)
TEMP	2	=	563.1360	(	103.420)
TEMP	3	=	563.4759	(	103.510)
TEMP	4	=	558.1716	(	98.262)
TEMP	5	=	559.4330	(	99.642)
TEMP	6	=	540.3767	(	80.256)
TEMP	7	=	541.4532	(	81.446)
TEMP	8	=	548.4841	(	88.346)
TEMP	9	=	540.4568	(	80.584)
TEMP	10	=	547.9415	(	88.519)
TEMP	11	=	540.9471	(	81.204)
TEMP	12	=	460.3700	(	.700)
TEMP	13	=	538.4198	(	78.744)
TEMP	14	=	538.4762	(	78.836)
TEMP	15	=	538.6933	(	78.785)
TEMP	16	=	538.9946	(	79.400)
TEMP	17	=	538.1183	(	78.190)

PRES	1	=	59.1720	(	58294.0)
PRES	2	=	59.1754	(	60058.0)

VPRS	1	=	.4400	(	75.645)
VPRS	2	=	.0000	(	1.188)
VPRS	3	=	.4372	(	75.860)
VPRS	4	=	.4513	(	76.239)
VPRS	5	=	.4496	(	76.330)
VPRS	6	=	.4425	(	76.870)
VPRS	7	=	.4585	(	76.957)
VPRS	8	=	.4610	(	77.450)
VPRS	9	=	.4785	(	77.716)

SUMMARY OF CORRECTED DATA

TIME = 2300

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.2639
CORRECTED PRESSURE (PSIA)	=	58.7212
VAPOR PRESSURE (PSIA)	=	.4525
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117394.5

SUMMARY OF MEASURED DATA AT 2315 1122

TEMP 1 =	558.4779	(98.509)
TEMP 2 =	563.1360	(103.420)
TEMP 3 =	563.4659	(103.500)
TEMP 4 =	558.1847	(98.275)
TEMP 5 =	559.4331	(99.642)
TEMP 6 =	540.3717	(80.851)
TEMP 7 =	541.4502	(81.443)
TEMP 8 =	548.4711	(88.333)
TEMP 9 =	540.4618	(80.589)
TEMP 10 =	547.9274	(88.505)
TEMP 11 =	540.9511	(81.208)
TEMP 12 =	460.3700	(.700)
TEMP 13 =	538.4229	(78.747)
TEMP 14 =	538.4712	(78.831)
TEMP 15 =	538.6762	(78.768)
TEMP 16 =	538.8903	(79.296)
TEMP 17 =	538.1154	(78.187)

PRES 1 =	59.1679	(58290.0)
PRES 2 =	59.1705	(60053.0)

VPRS 1 =	.4386	(75.555)
VPRS 2 =	.0000	(1.190)
VPRS 3 =	.4373	(75.865)
VPRS 4 =	.4514	(76.245)
VPRS 5 =	.4504	(76.380)
VPRS 6 =	.4437	(76.953)
VPRS 7 =	.4582	(76.940)
VPRS 8 =	.4611	(77.459)
VPRS 9 =	.4781	(77.690)

SUMMARY OF CORRECTED DATA

TIME = 2315

DATE = 1122

TEMPERATURE (DEGREES R.) =	544.2524
CORRECTED PRESSURE (PSIA) =	58.7166
VAPOR PRESSURE (PSIA) =	.4526
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117387.8

SUMMARY OF MEASURED DATA AT 2330 1122

TEMP 1 =	558.4257	(98.457)
TEMP 2 =	563.1360	(103.420)
TEMP 3 =	563.4459	(103.480)
TEMP 4 =	558.1727	(98.263)
TEMP 5 =	559.4260	(99.635)
TEMP 6 =	540.3737	(80.853)
TEMP 7 =	541.4442	(81.437)
TEMP 8 =	548.4651	(88.327)
TEMP 9 =	540.4538	(30.581)
TEMP 10 =	547.9094	(88.487)
TEMP 11 =	540.9471	(81.204)
TEMP 12 =	460.3700	(.700)
TEMP 13 =	538.4198	(78.744)
TEMP 14 =	538.4912	(78.851)
TEMP 15 =	538.6833	(78.775)
TEMP 16 =	538.8452	(79.251)
TEMP 17 =	538.1123	(78.184)

PRES 1 =	59.1628	(58285.0)
PRES 2 =	59.1666	(60049.0)

VPRS 1 =	.4404	(75.669)
VPRS 2 =	.0000	(1.190)
VPRS 3 =	.4374	(75.871)
VPRS 4 =	.4512	(76.232)
VPRS 5 =	.4506	(76.391)
VPRS 6 =	.4440	(76.969)
VPRS 7 =	.4580	(76.927)
VPRS 8 =	.4612	(77.467)
VPRS 9 =	.4790	(77.749)

SUMMARY OF CORRECTED DATA

TIME = 2330

DATE = 1122

TEMPERATURE (DEGREES F.) =	544.2449
CORRECTED PRESSURE (PSIA) =	58.7118
VAPOR PRESSURE (PSIA) =	.4529
VOLUME (CU.FT.) =	403120.0
AIR MASS (LBM) =	117379.8

SUMMARY OF MEASURED DATA AT 2345 1122

TEMP	1	=	558.3905	(	98.422)
TEMP	2	=	563.1160	(	103.400)
TEMP	3	=	563.4158	(	103.450)
TEMP	4	=	558.1807	(	98.271)
TEMP	5	=	559.4301	(	99.639)
TEMP	6	=	540.3687	(	80.848)
TEMP	7	=	541.4432	(	81.436)
TEMP	8	=	548.4580	(	88.320)
TEMP	9	=	540.4467	(	80.574)
TEMP	10	=	547.9094	(	88.487)
TEMP	11	=	540.9301	(	81.187)
TEMP	12	=	460.3700	(	.700)
TEMP	13	=	538.4258	(	78.750)
TEMP	14	=	538.4772	(	78.837)
TEMP	15	=	538.6843	(	78.776)
TEMP	16	=	538.8873	(	79.293)
TEMP	17	=	538.1173	(	78.189)

PRES	1	=	59.1587	(	58281.0)
PRES	2	=	59.1616	(	60044.0)

VPRS	1	=	.4416	(	75.750)
VPRS	2	=	.0000	(	1.191)
VPRS	3	=	.4365	(	75.813)
VPRS	4	=	.4513	(	76.239)
VPRS	5	=	.4511	(	76.428)
VPRS	6	=	.4447	(	77.017)
VPRS	7	=	.4575	(	76.893)
VPRS	8	=	.4620	(	77.516)
VPRS	9	=	.4792	(	77.760)

SUMMARY OF CORRECTED DATA

TIME = 2345

DATE = 1122

TEMPERATURE (DEGREES R.)	=	544.2437
CORRECTED PRESSURE (PSIA)	=	58.7071
VAPOR PRESSURE (PSIA)	=	.4530
VOLUME (CU.FT.)	=	403120.0
AIR MASS (LBM)	=	117370.8

APPENDIX D

ILRT Calculations

LIMERICK GENERATING STATION - UNIT 1
 LEAKAGE RATE (WEIGHT PERCENT/DAY)
 MASS POINT ANALYSIS

TIME AND DATE AT START OF TEST: 1030 1122 1990
 TEST DURATION: 8.00 HOURS

TIME	TEMP (R)	PRESSURE (PSIA)	CTMT. AIR MASS (LBM)	MASS LOSS (LBM)	AVERAGE MASS LOSS (LBM/HR)
1030	544.555	58.8823	117653.5		
1045	544.541	58.8796	117651.3	2.2	8.9
1100	544.544	58.8784	117648.3	3.1	10.6
1115	544.532	58.8750	117644.1	4.1	12.6
1130	544.520	58.8717	117640.1	4.0	13.4
1145	544.507	58.8686	117636.6	3.5	13.5
1200	544.502	58.8666	117633.7	2.9	13.2
1215	544.501	58.8645	117629.8	3.9	13.6
1230	544.489	58.8612	117625.6	4.2	14.0
1245	544.482	58.8588	117622.4	3.2	13.8
1300	544.469	58.8561	117619.8	2.6	13.5
1315	544.464	58.8541	117616.8	3.0	13.4
1330	544.456	58.8515	117613.6	3.2	13.3
1345	544.451	58.8491	117609.7	3.9	13.5
1400	544.440	58.8465	117607.0	2.7	13.3
1415	544.435	58.8447	117604.6	2.4	13.1
1430	544.422	58.8425	117602.9	1.7	12.7
1445	544.417	58.8399	117598.6	4.3	12.9
1500	544.409	58.8373	117595.4	3.3	12.9
1515	544.399	58.8354	117593.6	1.7	12.6
1530	544.392	58.8330	117590.4	3.2	12.6
1545	544.378	58.8309	117589.1	1.3	12.3
1600	544.380	58.8295	117586.1	3.0	12.3
1615	544.381	58.8269	117580.6	5.4	12.7
1630	544.367	58.8248	117579.4	1.2	12.4
1645	544.365	58.8229	117575.9	3.5	12.4
1700	544.351	58.8207	117574.6	1.3	12.2
1715	544.352	58.8185	117570.0	4.6	12.4
1730	544.348	58.8161	117566.2	3.8	12.5
1745	544.337	58.8140	117564.2	2.0	12.3
1800	544.337	58.8118	117559.9	4.3	12.5
1815	544.333	58.8091	117555.4	4.5	12.7
1830	544.318	58.8092	117558.8	-3.4	11.8

FREE AIR VOLUME USED (CU. FT.) = 403120.0
 REGRESSION LINE
 INTERCEPT (LBM) = 117651.7
 SLOPE (LBM/HR) = -12.2
 MAXIMUM ALLOWABLE LEAKAGE RATE = .500
 75% OF MAXIMUM ALLOWABLE LEAKAGE RATE = .375
 THE UPPER 95% CONFIDENCE LIMIT = .252
 THE CALCULATED LEAKAGE RATE = .248

LIMERICK GENERATING STATION - UNIT 1
 LEAKAGE RATE (WEIGHT PERCENT/DAY)
 TOTAL TIME ANALYSIS

TIME AND DATE AT START OF TEST: 1030 1122 1990
 TEST DURATION: 8.00 HOURS

TIME	TEMP (R)	PRESSURE (PSIA)	MEASURED LEAKAGE RATE
1030	544.555	58.8823	
1045	544.541	58.8796	.182
1100	544.544	58.8784	.215
1115	544.532	58.8750	.256
1130	544.520	58.8717	.274
1145	544.507	58.8686	.276
1200	544.502	58.8666	.270
1215	544.501	58.8645	.277
1230	544.489	58.8612	.285
1245	544.482	58.8588	.282
1300	544.469	58.8551	.275
1315	544.464	58.8541	.273
1330	544.456	58.8515	.271
1345	544.451	58.8491	.269
1400	544.440	58.8465	.267
1415	544.435	58.8447	.266
1430	544.422	58.8425	.258
1445	544.417	58.8399	.264
1500	544.409	58.8373	.264
1515	544.399	58.8354	.257
1530	544.392	58.8330	.258
1545	544.378	58.8309	.250
1600	544.380	58.8295	.250
1615	544.381	58.8269	.251
1630	544.367	58.8248	.252
1645	544.365	58.8229	.254
1700	544.351	58.8207	.248
1715	544.352	58.8185	.252
1730	544.348	58.8161	.255
1745	544.337	58.8140	.251
1800	544.337	58.8118	.255
1815	544.333	58.8091	.258
1830	544.318	58.8092	.242

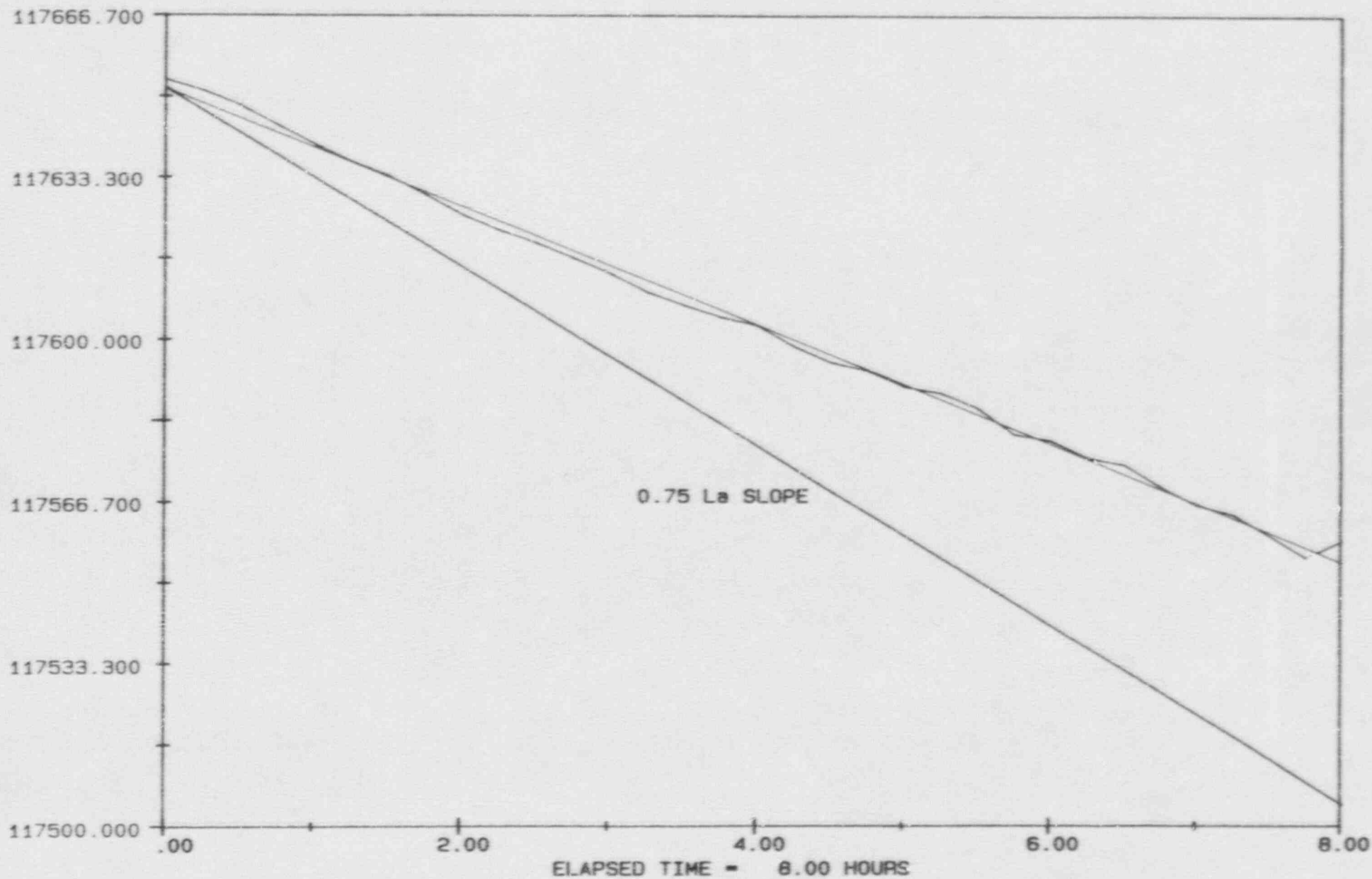
MEAN OF THE MEASURED LEAKAGE RATES	=	.259
MAXIMUM ALLOWABLE LEAKAGE RATE	=	.500
75% OF MAXIMUM ALLOWABLE LEAKAGE RATE	=	.375
THE UPPER 95% CONFIDENCE LIMIT	=	.299
THE CALCULATED LEAKAGE RATE	=	.256

LIMERICK GENERATING STATION - UNIT 1
TREND REPORT

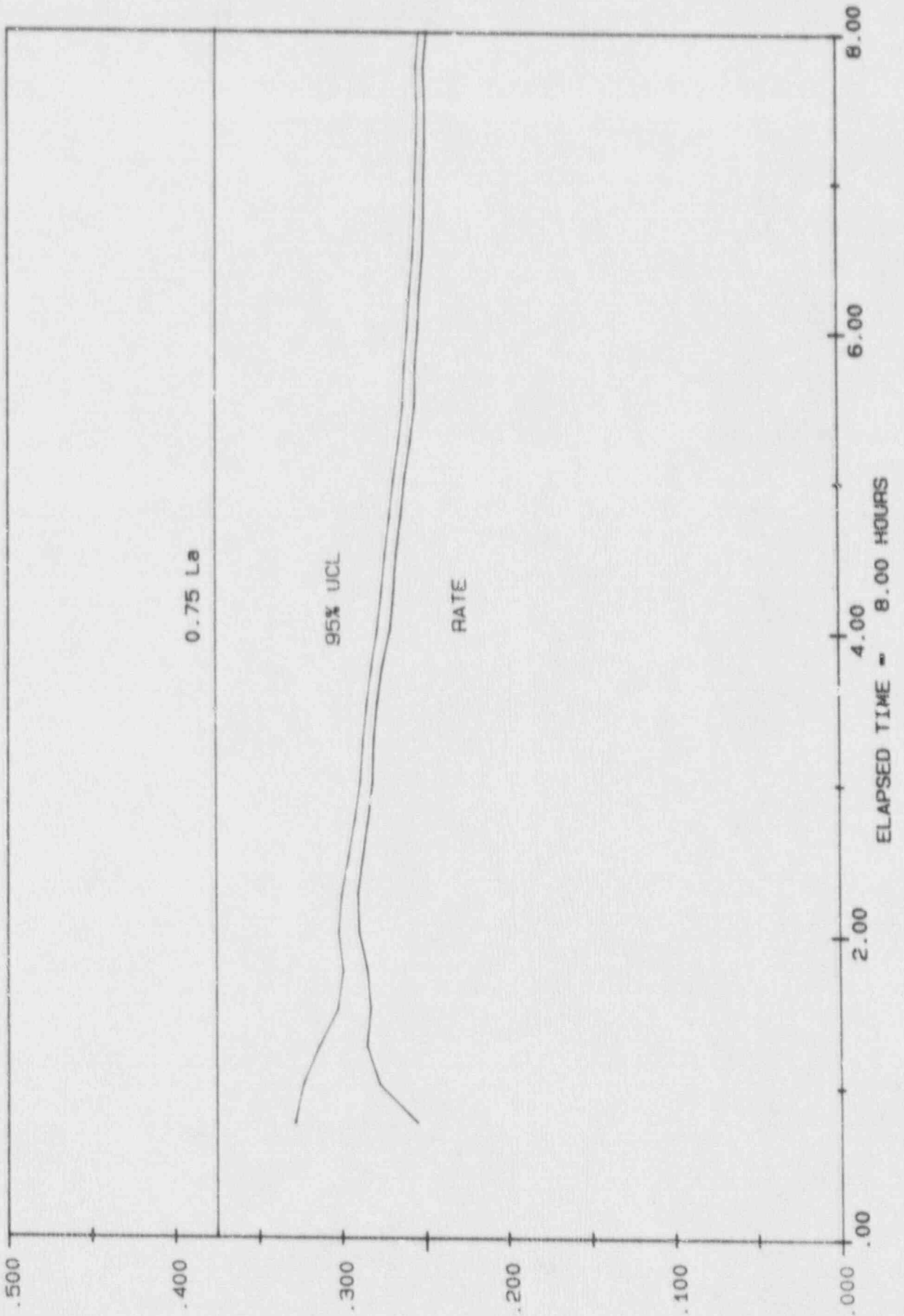
TIME AND DATE AT START OF TEST: 1030 1122 1990

NO. PTS	END TIME	TOTAL TIME ANALYSIS			MASS POINT ANALYSIS	
		MEAS.	CALCULATED	UCL	CALCULATED	UCL
2	1045	.182	.182	99.000	.182	99.000
3	1100	.215	.215	99.000	.215	.381
4	1115	.256	.255	.283	.255	.328
5	1130	.274	.279	.316	.278	.323
6	1145	.276	.290	.345	.285	.314
7	1200	.270	.291	.358	.283	.302
8	1215	.277	.294	.358	.285	.299
9	1230	.285	.299	.358	.290	.301
10	1245	.282	.301	.358	.290	.300
11	1300	.275	.299	.358	.287	.295
12	1315	.273	.297	.356	.284	.291
13	1330	.272	.294	.353	.281	.288
14	1345	.275	.293	.351	.280	.286
15	1400	.271	.292	.348	.278	.284
16	1415	.266	.289	.345	.275	.281
17	1430	.258	.285	.341	.271	.278
18	1445	.264	.282	.338	.269	.275
19	1500	.264	.280	.335	.267	.273
20	1515	.257	.278	.332	.264	.270
21	1530	.258	.275	.328	.262	.268
22	1545	.250	.272	.325	.259	.265
23	1600	.250	.269	.321	.256	.262
24	1615	.259	.268	.319	.256	.261
25	1630	.252	.266	.316	.254	.260
26	1645	.254	.264	.313	.253	.258
27	1700	.248	.262	.310	.251	.256
28	1715	.252	.261	.308	.250	.255
29	1730	.255	.260	.306	.250	.255
30	1745	.251	.259	.304	.250	.254
31	1800	.255	.259	.303	.250	.254
32	1815	.258	.259	.302	.250	.254
33	1830	.242	.256	.299	.248	.252

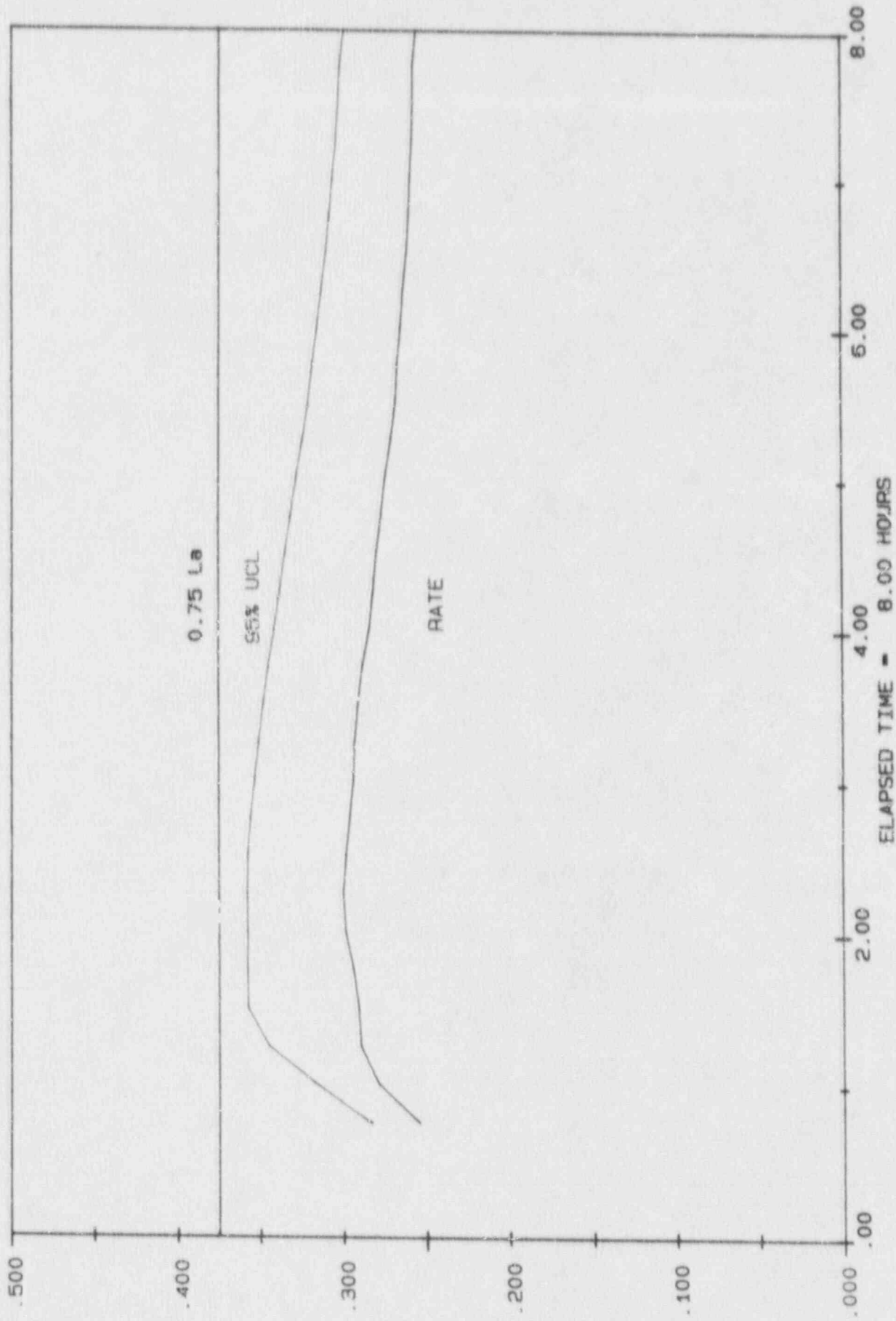
LIMERICK GENERATING STATION - UNIT 1
AIRMASS LBM, REGRESSION LINE AND 0.75 La SLOPE
START TIME 1030 DATE 1122 END TIME 1830 DATE 1122



LIMERICK GENERATING STATION - UNIT 1
MASS POINT LEAKAGE RATE, UCL AND 0.75 La - %/DAY
START TIME 1030 DATE 1122 END TIME 1630 DATE 1122



LIMERICK GENERATING STATION - UNIT 1
TOTAL TIME LEAKAGE RATE, UCL AND 0.75 La - %/DAY
START TIME 1030 DATE 1122 END TIME 1830 DATE 1122



APPENDIX E

Verification Flow Test

LIMERICK GENERATING STATION - UNIT 1
 LEAKAGE RATE (WEIGHT PERCENT/DAY)
 MASS POINT ANALYSIS

TIME AND DATE AT START OF TEST: 1945 1122 1990
 TEST DURATION: 4.00 HOURS

TIME	TEMP (R)	PRESSURE (PSIA)	CTMT. AIR MASS (LBM)	MASS LOSS (LBM)	AVERAGE MASS LOSS (LBM/HR)
1945	544.302	58.7842	117512.3		
2000	544.294	58.7787	117502.3	9.4	37.6
2015	544.300	58.7739	117492.1	10.8	40.4
2030	544.286	58.7692	117485.8	6.3	35.3
2045	544.285	58.7632	117473.9	11.9	38.4
2100	544.274	58.7583	117466.6	7.3	36.5
2115	544.273	58.7539	117457.9	8.7	36.3
2130	544.273	58.7490	117448.0	9.9	36.7
2145	544.267	58.7440	117439.5	8.5	36.4
2200	544.258	58.7396	117432.7	6.8	35.4
2215	544.260	58.7341	117421.0	11.7	36.5
2230	544.256	58.7306	117415.1	5.9	35.3
2245	544.254	58.7255	117405.4	9.7	35.6
2300	544.264	58.7212	117394.5	10.9	36.3
2315	544.252	58.7166	117387.8	6.7	35.6
2330	544.245	58.7118	117379.8	7.9	35.3
2345	544.244	58.7071	117370.8	9.1	35.4

FREE AIR VOLUME USED (CU. FT.) = 403120.0
 REGRESSION LINE
 INTERCEPT (LBM) = 117510.9
 SLOPE (LBM/HR) = -35.2
 VERIFICATION TEST LEAKAGE RATE UPPER LIMIT = .873
 VERIFICATION TEST LEAKAGE RATE LOWER LIMIT = .623
 THE CALCULATED LEAKAGE RATE = .720

LIMERICK GENERATING STATION - UNIT 1
 LEAKAGE RATE (WEIGHT PERCENT/DAY)
 TOTAL TIME ANALYSIS

TIME AND DATE AT START OF TEST: 1945 1122 1990
 TEST DURATION: 4.00 HOURS

TIME	TEMP (R)	PRESSURE (PSIA)	MEASURED LEAKAGE RATE
1945	544.302	58.7842	
2000	544.294	58.7787	.768
2015	544.300	58.7739	.826
2030	544.286	58.7692	.721
2045	544.285	58.7632	.785
2100	544.274	58.7583	.746
2115	544.273	58.7539	.741
2130	544.273	58.7490	.751
2145	544.267	58.7440	.744
2200	544.258	58.7396	.723
2215	544.260	58.7341	.746
2230	544.256	58.7306	.722
2245	544.254	58.7255	.728
2300	544.264	58.7212	.740
2315	544.252	58.7166	.727
2330	544.245	58.7118	.722
2345	544.244	58.7071	.723

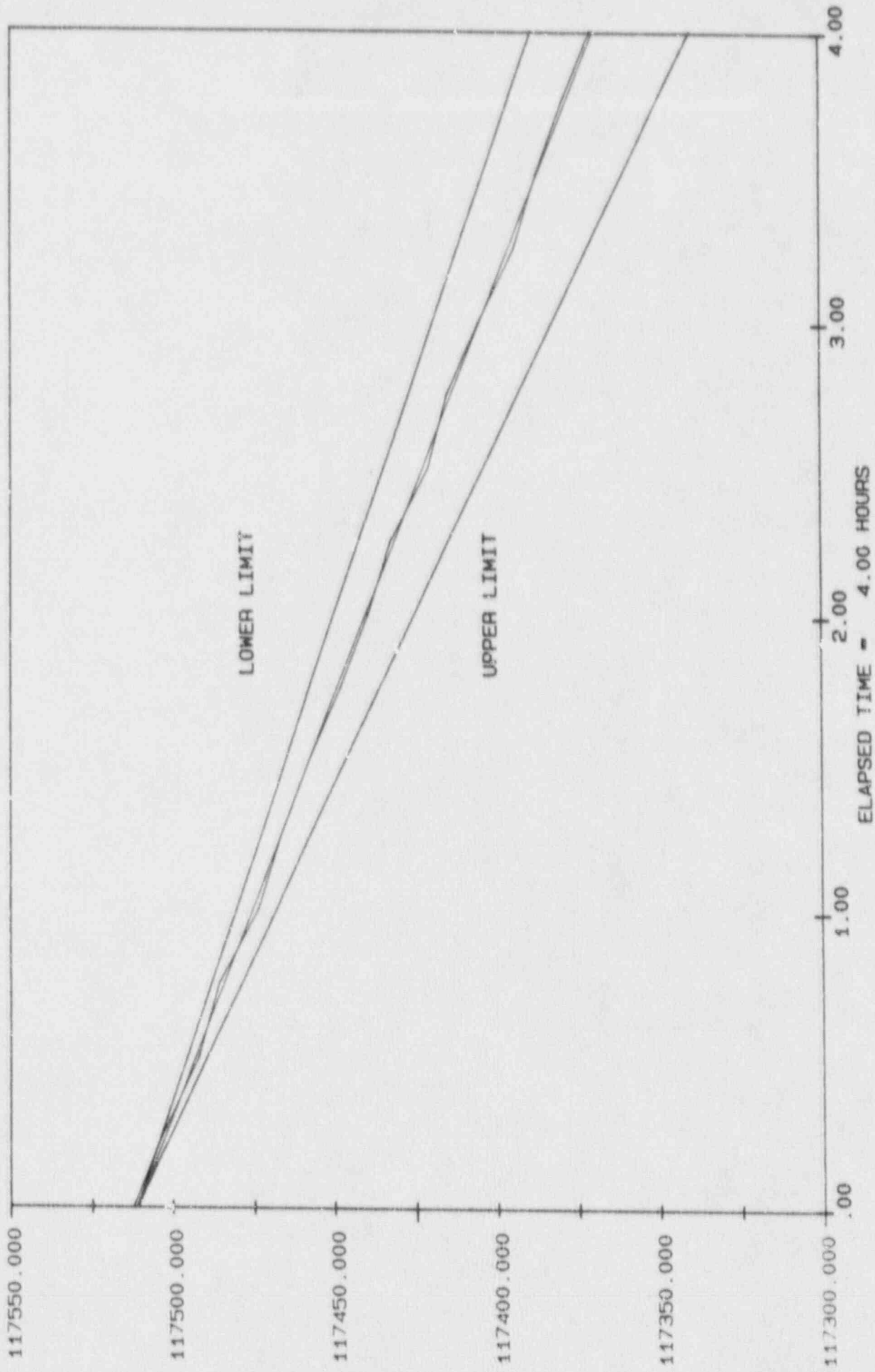
MEAN OF THE MEASURED LEAKAGE RATES = .744
 VERIFICATION TEST LEAKAGE RATE UPPER LIMIT = .881
 VERIFICATION TEST LEAKAGE RATE LOWER LIMIT = .631
 THE CALCULATED LEAKAGE RATE = .715

LIMERICK GENERATING STATION - UNIT 1
TREND REPORT

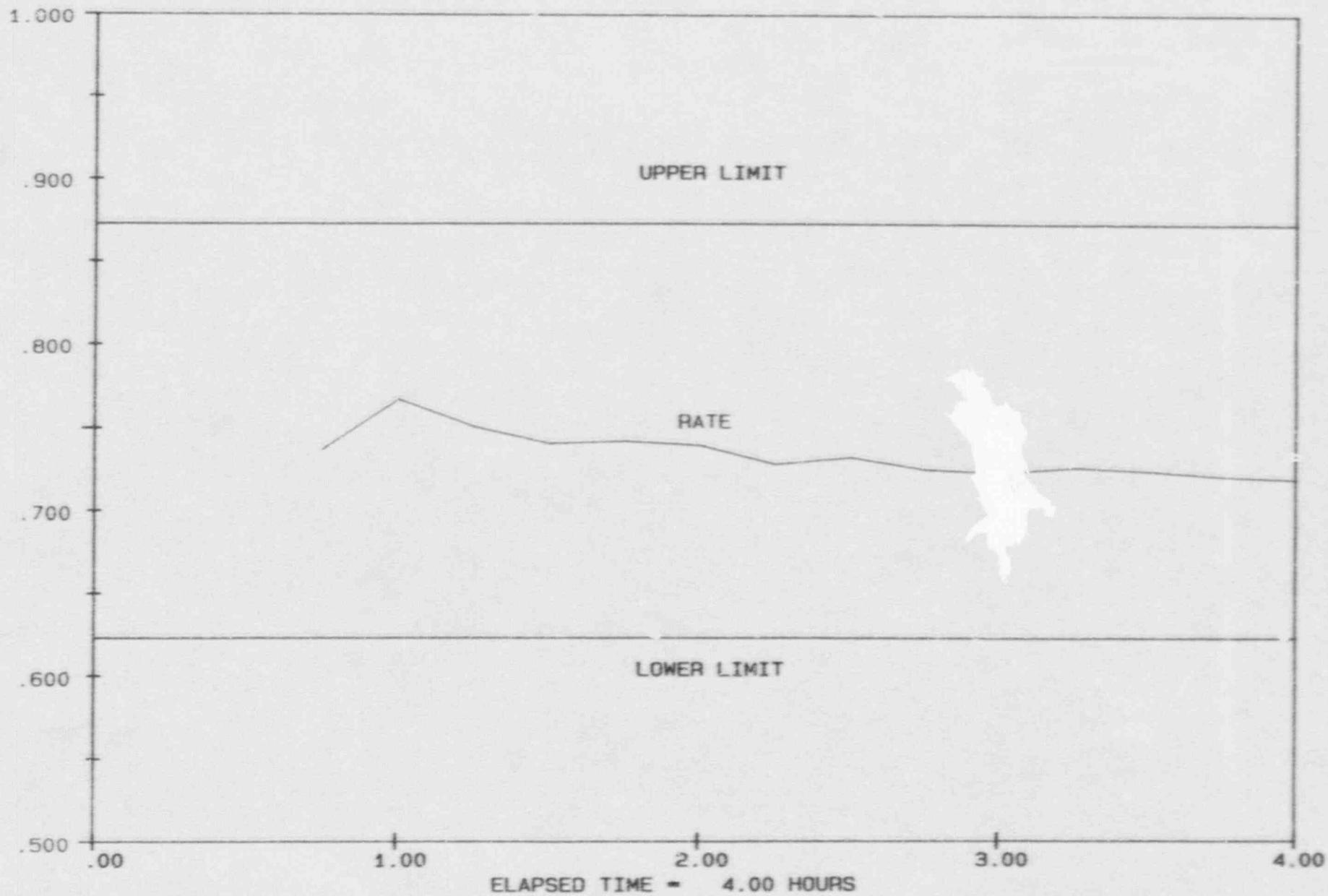
TIME AND DATE AT START OF TEST: 1945 1122 1990

NO. PTS	END TIME	TOTAL TIME ANALYSIS			MASS POINT ANALYSIS	
		MEAS.	CALCULATED	UCL	CALCULATED	UCL
2	2000	.768	.768	99.000	.768	99.000
3	2015	.826	.826	99.000	.826	1.116
4	2030	.721	.749	1.394	.738	.894
5	2045	.785	.767	1.030	.767	.850
6	2100	.746	.752	.920	.751	.804
7	2115	.741	.742	.868	.741	.778
8	2130	.751	.741	.846	.743	.769
9	2145	.744	.738	.828	.740	.761
10	2200	.723	.729	.808	.729	.749
11	2215	.746	.730	.805	.733	.750
12	2230	.722	.724	.792	.726	.742
13	2245	.728	.721	.785	.724	.737
14	2300	.740	.723	.784	.727	.739
15	2315	.727	.720	.778	.725	.735
16	2330	.722	.717	.773	.722	.731
17	2345	.723	.715	.768	.720	.728

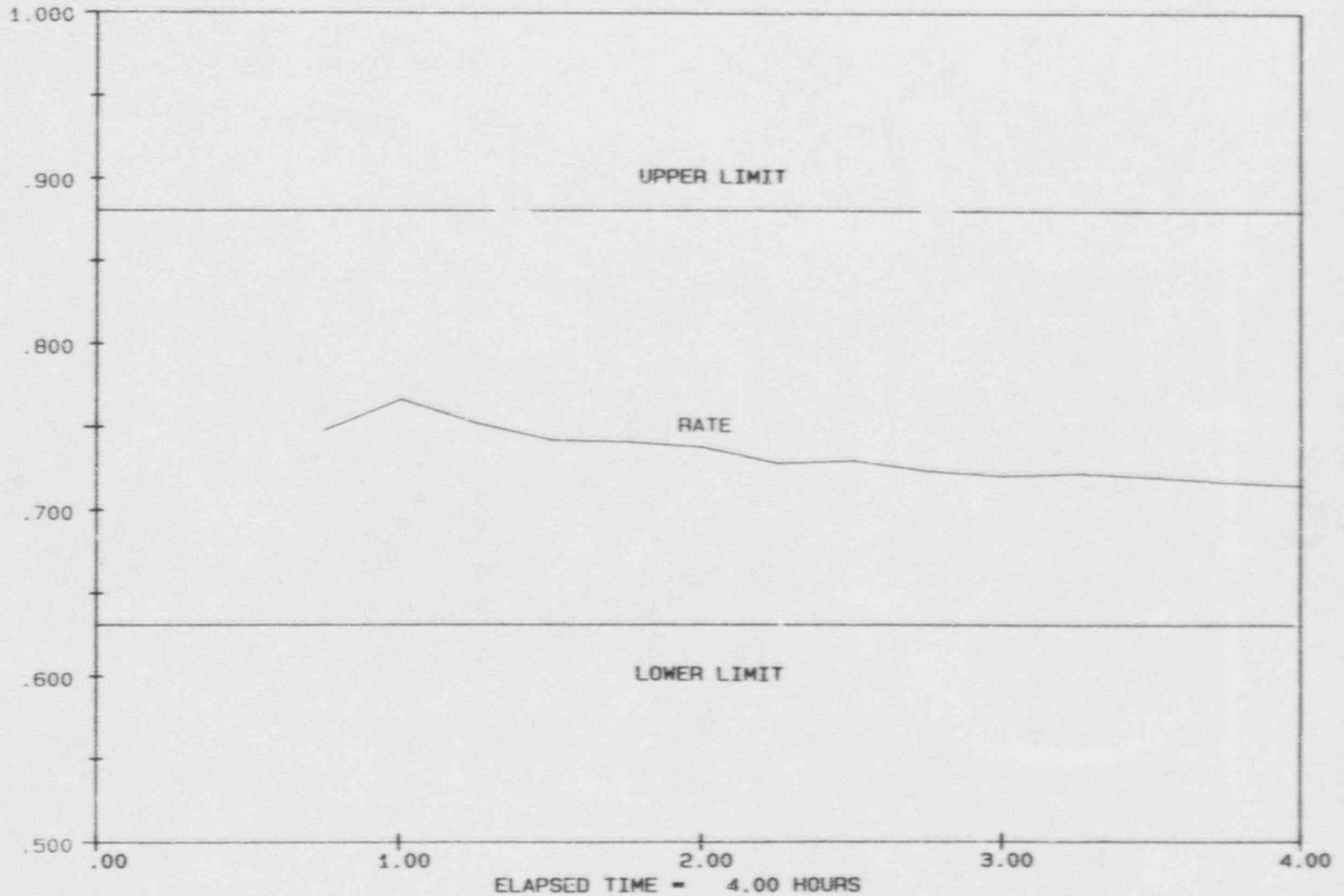
LIMERICK GENERATING STATION - UNIT 1
AIRMASS LBM, REGRESSION LINE AND VERIFICATION TEST LIMITS
START TIME 1945 DATE 1122 END TIME 2345 DATE 1122



LIMERICK GENERATING STATION - UNIT 1
MASS POINT LEAKAGE RATE AND VERIFICATION TEST LIMITS - %/DAY
START TIME 1945 DATE 1122 END TIME 2345 DATE 1122



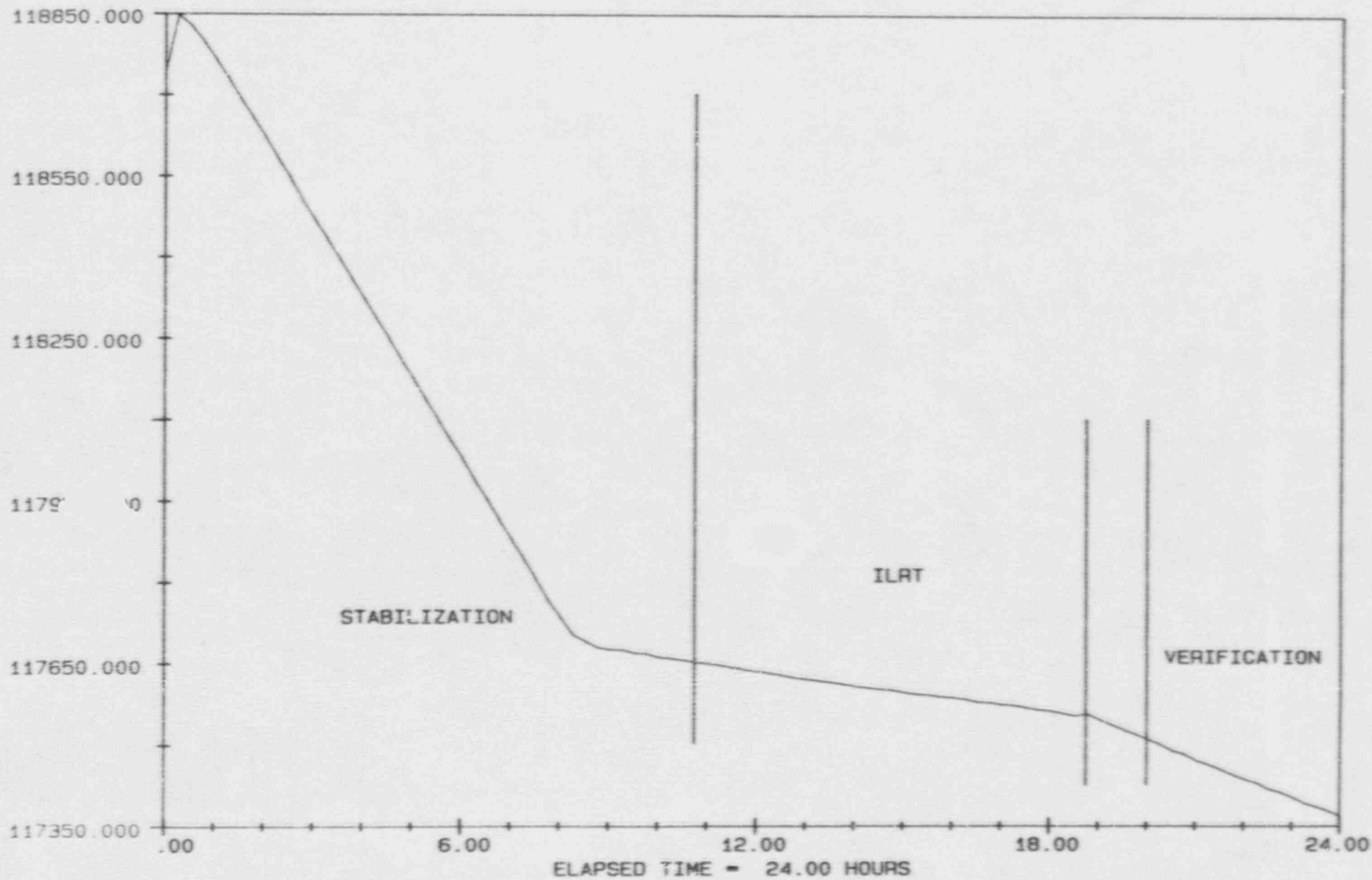
LIMERICK GENERATING STATION - UNIT 1
TOTAL TIME LEAKAGE RATE AND VERIFICATION TEST LIMITS - %/DAY
START TIME 1945 DATE 1122 END TIME 2345 DATE 1122



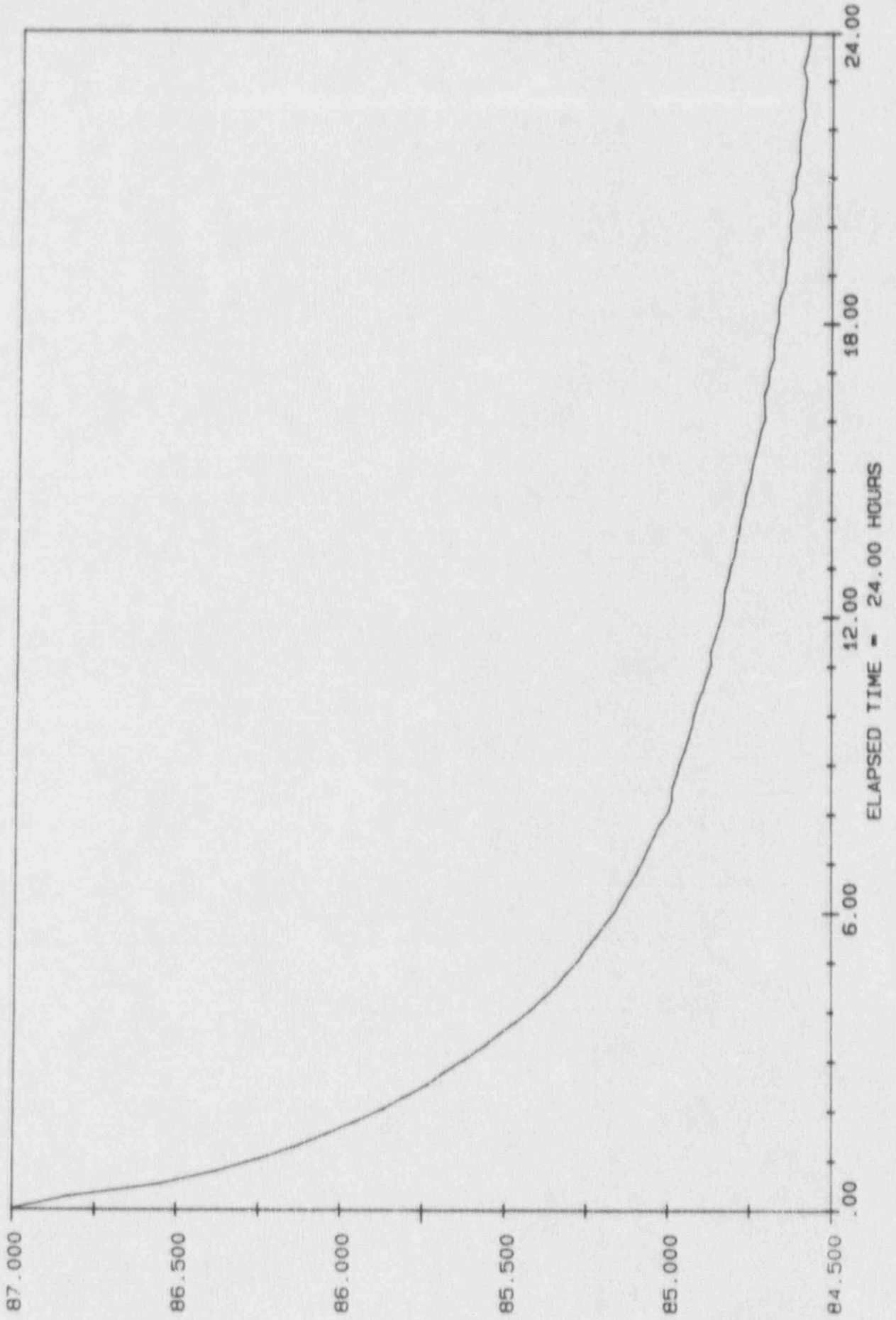
APPENDIX F

ILRT Graphs

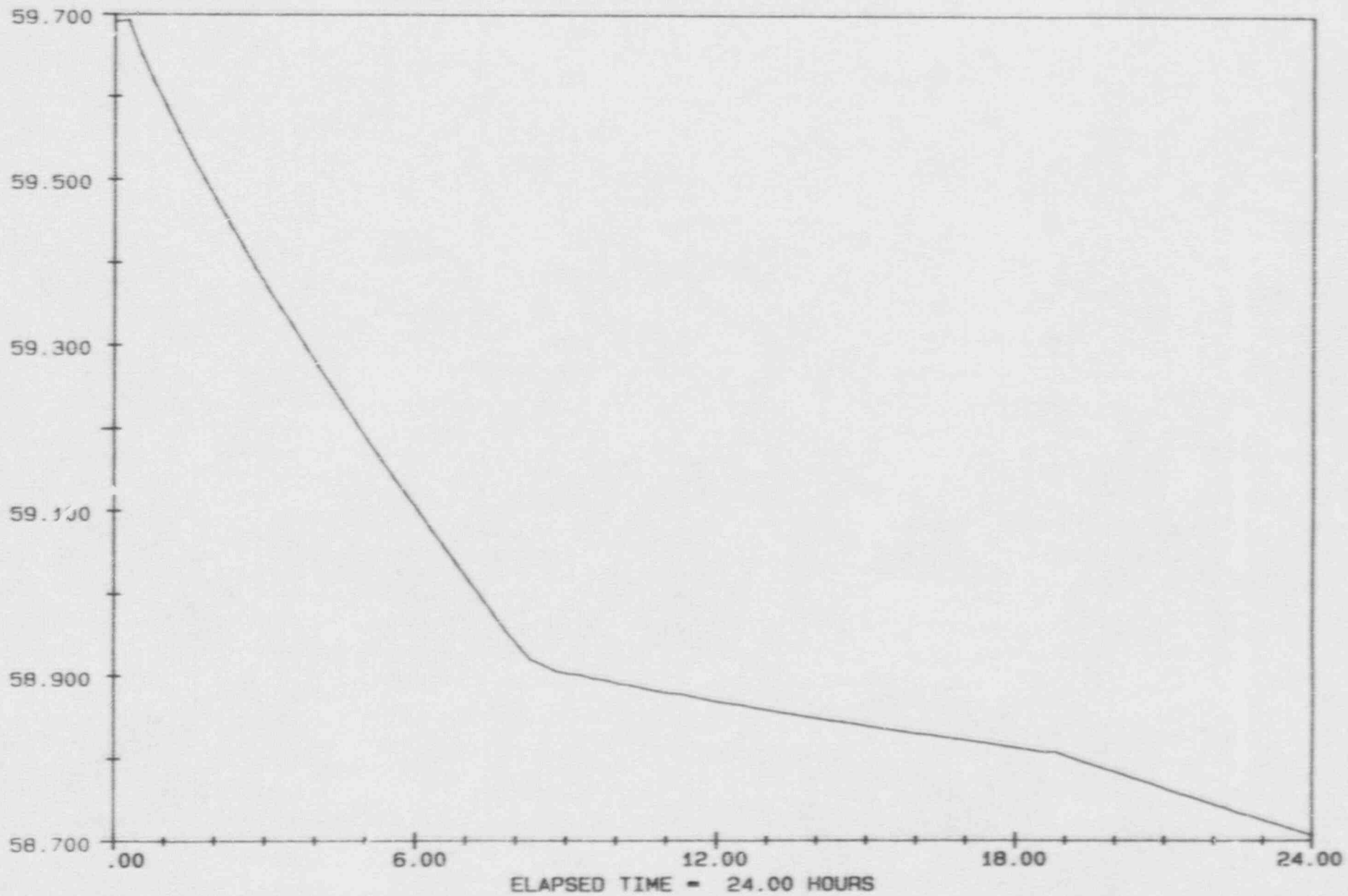
LIMERICK GENERATING STATION - UNIT 1
AIRMASS LBM
START TIME 2345 DATE 1121 END TIME 2345 DATE 1122



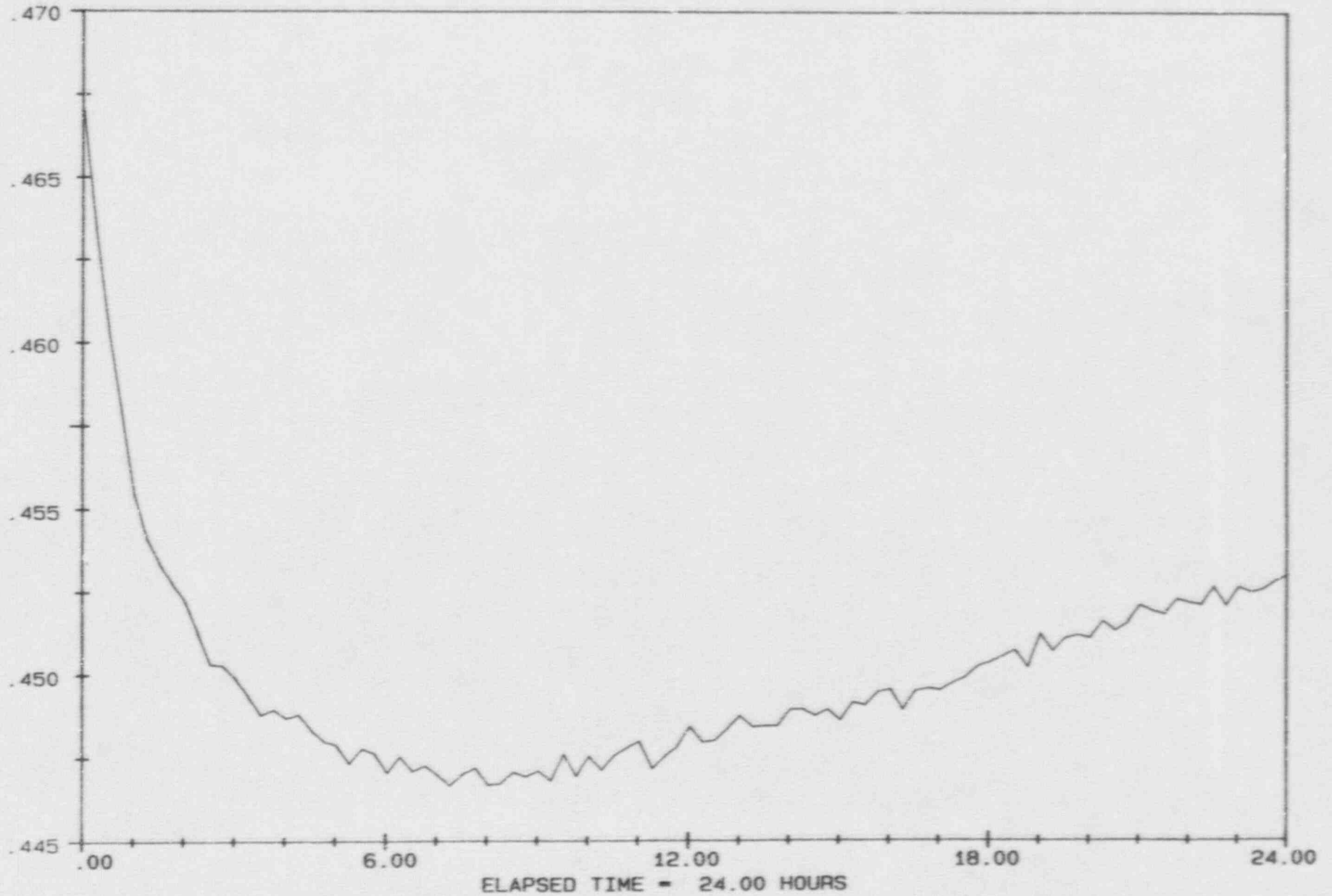
LIMERICK GENERATING STATION - UNIT 1
AVERAGE TEMPERATURE DEGREES F
START TIME 2345 DATE 1121 END TIME 2345 DATE 1122



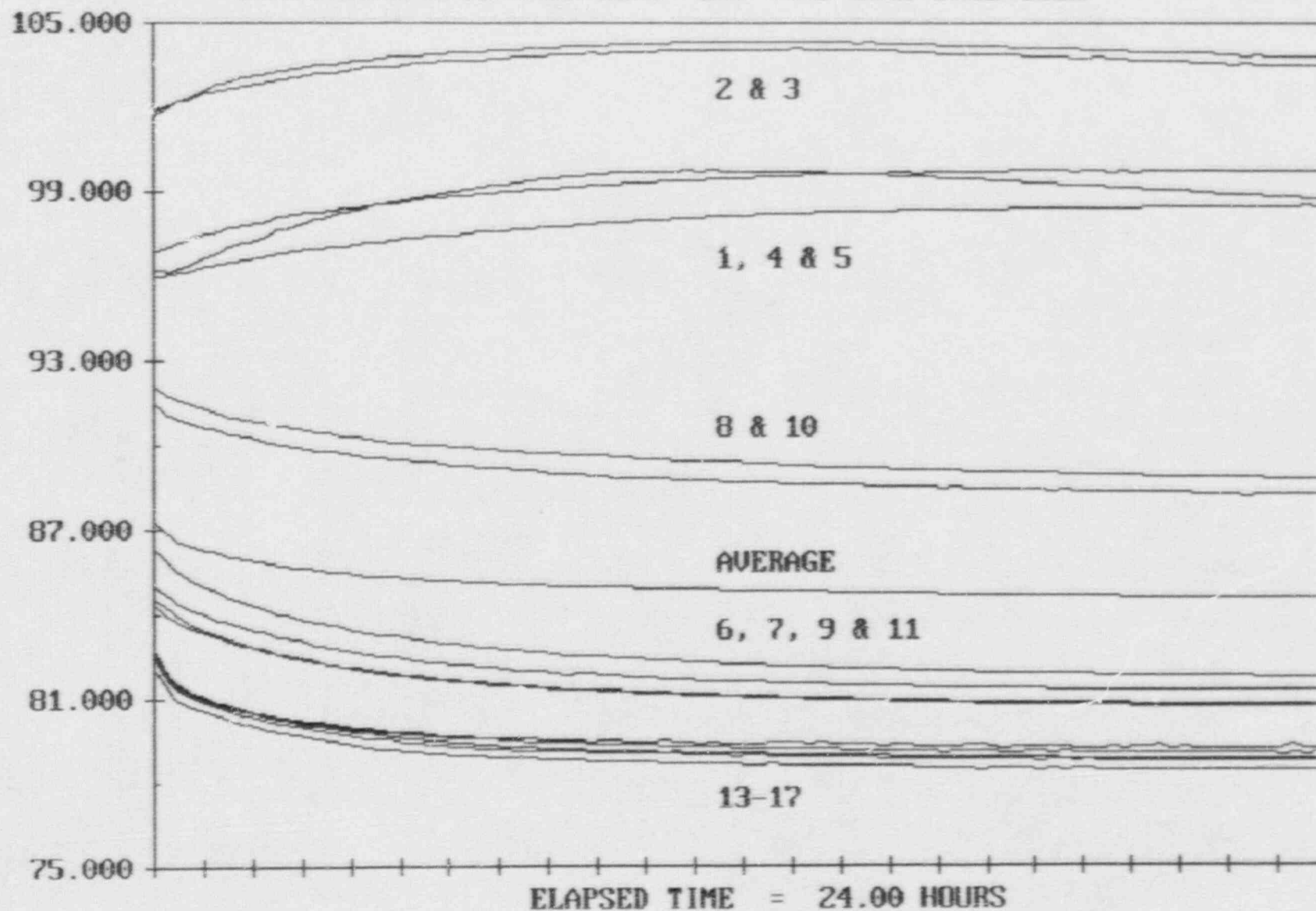
LIMERICK GENERATING STATION - UNIT 1
PRESSURE PSIA (DRY AIR)
START TIME 2345 DATE 1121 END TIME 2345 DATE 1122



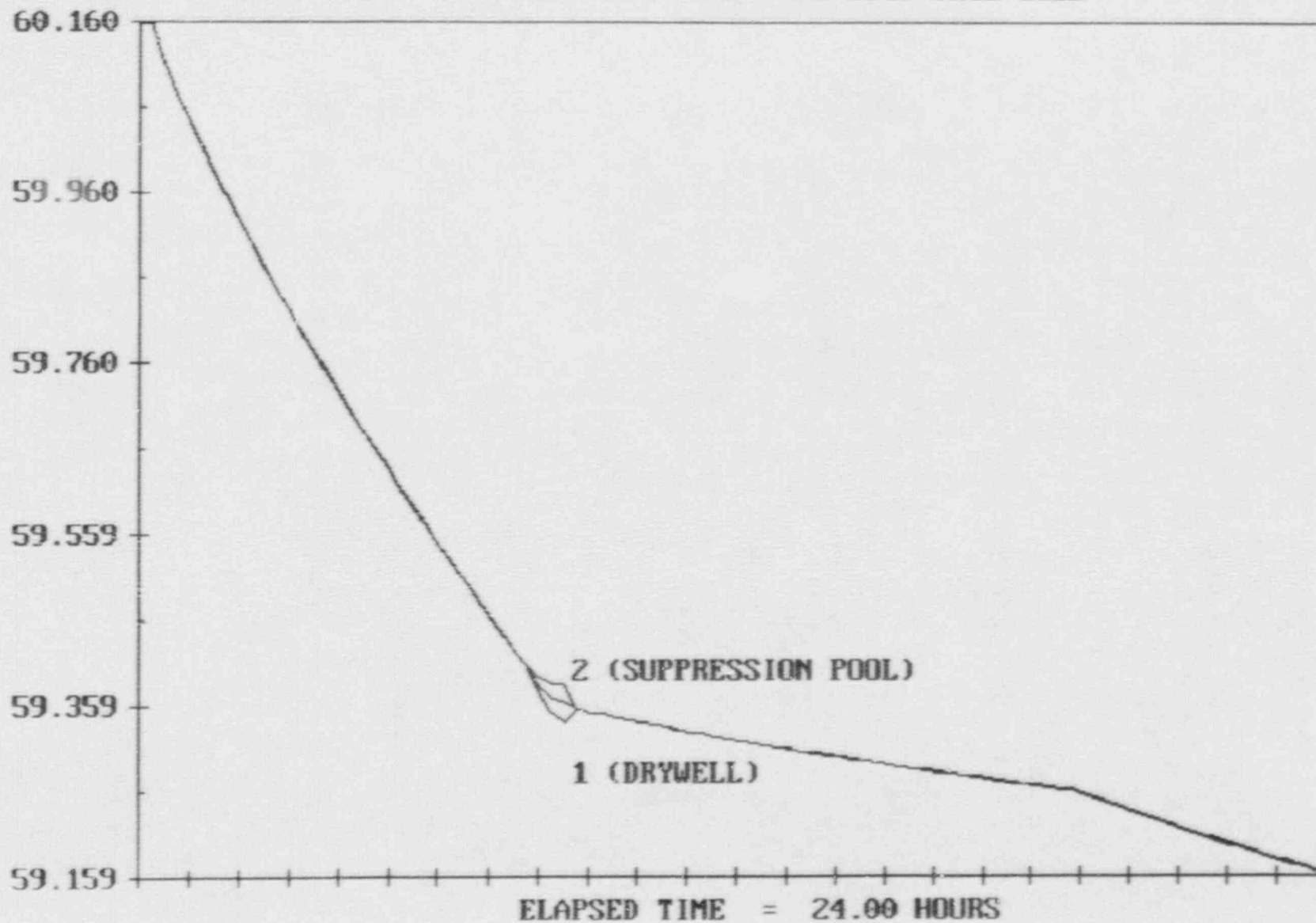
LIMERICK GENERATING STATION - UNIT 1
VAPOR PRESSURE PSIA
START TIME 2345 DATE 1121 END TIME 2345 DATE 1122



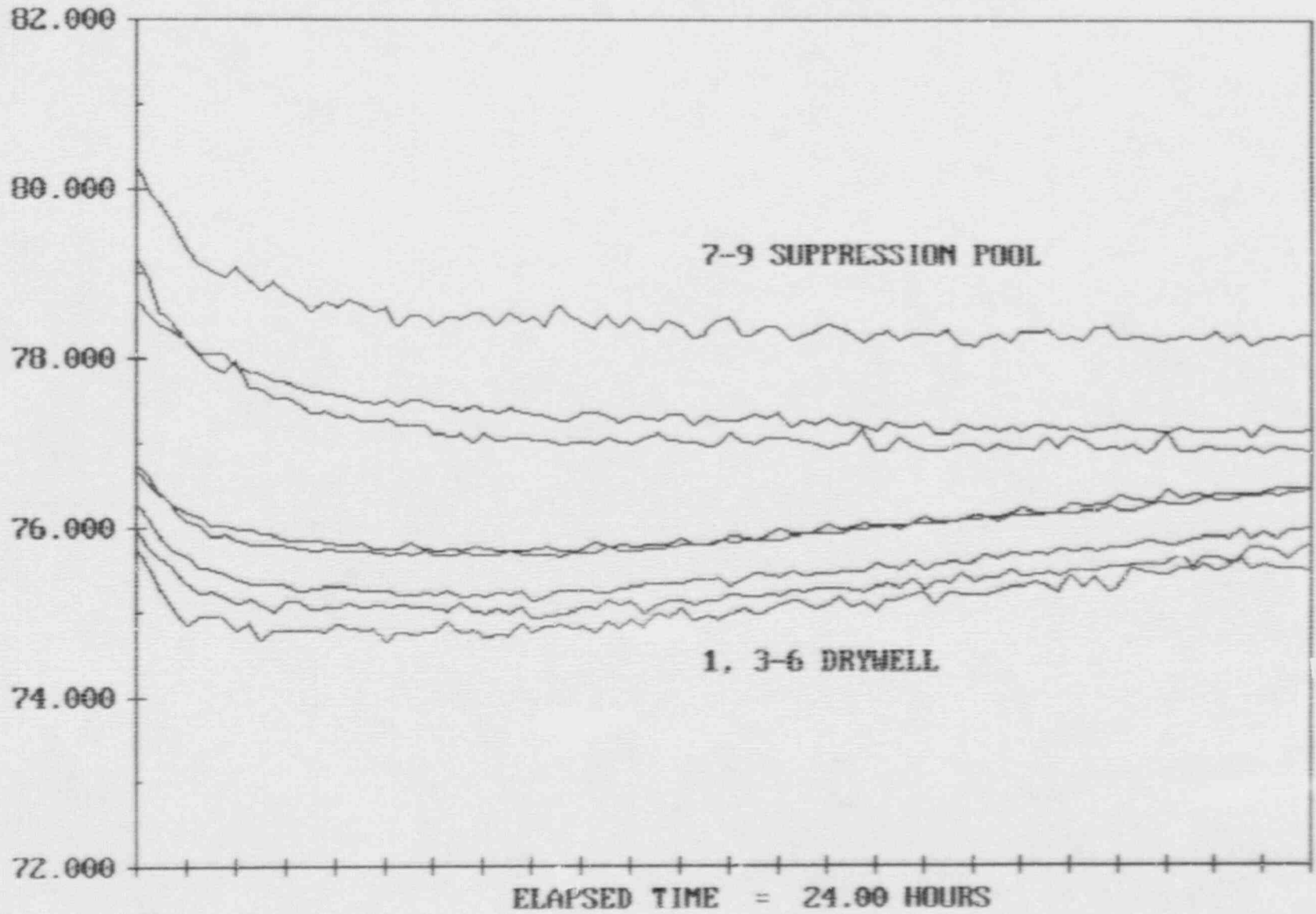
LIMERICK GENERATING STATION - UNIT 1
DRYBULB TEMPERATURE SENSORS 1-11 DRYWELL, 13-17 SUPPRESSION POOL AND AVERAGE °F
START TIME 2345 DATE 1121 END TIME 2345 DATE 1122



LIMERICK GENERATING STATION - UNIT 1
PRESSURE SENSORS 1, 2 AND AVERAGE PSIA
START TIME 2345 DATE 1121 END TIME 2345 DATE 1122



LIMERICK GENERATING STATION - UNIT 1
DEWPOINT TEMPERATURE SENSORS °F
START TIME 2345 DATE 1121 END TIME 2345 DATE 1122



APPENDIX G

Bypass Test

LIMERICK GENERATING STATION - UNIT 1
 BYPASS AREA (SQUARE INCHES)
 TOTAL TIME ANALYSIS

TIME AND DATE AT START OF TEST: 1145 1123 1990
 TEST DURATION: 2.00 HOURS

TIME	DRYTMP	DRYPRS	DRYVAP	SP TMP	SP PRS	SP VAP	AREA
1145	545.173	18.726	.290	536.440	14.493	.375	
1200	545.229	18.727	.293	536.539	14.508	.377	.04422
1215	545.279	18.727	.296	536.707	14.523	.380	.03920
1230	545.325	18.728	.299	536.796	14.536	.382	.03841
1245	545.368	18.728	.302	536.845	14.550	.384	.04013
1300	545.408	18.728	.304	536.936	14.564	.386	.04131
1315	545.442	18.728	.307	536.993	14.576	.388	.04058
1330	545.475	18.727	.309	537.051	14.588	.390	.04008
1345	545.510	18.726	.311	537.089	14.601	.391	.04085

S. P. FREE AIR VOLUME (CU. FT.) = 151187.0
 COEFFICIENT OF DISCHARGE = .600

MEAN OF THE MEASURED BYPASS AREAS = .041
 MAXIMUM ALLOWABLE BYPASS AREA = .720
 THE LOWER 95% CONFIDENCE LIMIT = .038
 THE UPPER 95% CONFIDENCE LIMIT = .042
 THE CALCULATED BYPASS AREA = .040

LIMERICK GENERATING STATION - UNIT 1
TREND REPORT

TIME AND DATE AT START OF TEST: 1145 1123 1990

NO.	END PTS TIME	TOTAL TIME ANALYSIS		
		MEAS.	CALCULATED	UCL
4	1230	.038	.038	.051
5	1245	.040	.039	.044
6	1300	.041	.040	.044
7	1315	.041	.040	.043
8	1330	.040	.040	.043
9	1345	.041	.040	.042

LIMERICK GENERATING STATION - UNIT 1
SUMMARY DATA

ALMAX = .720

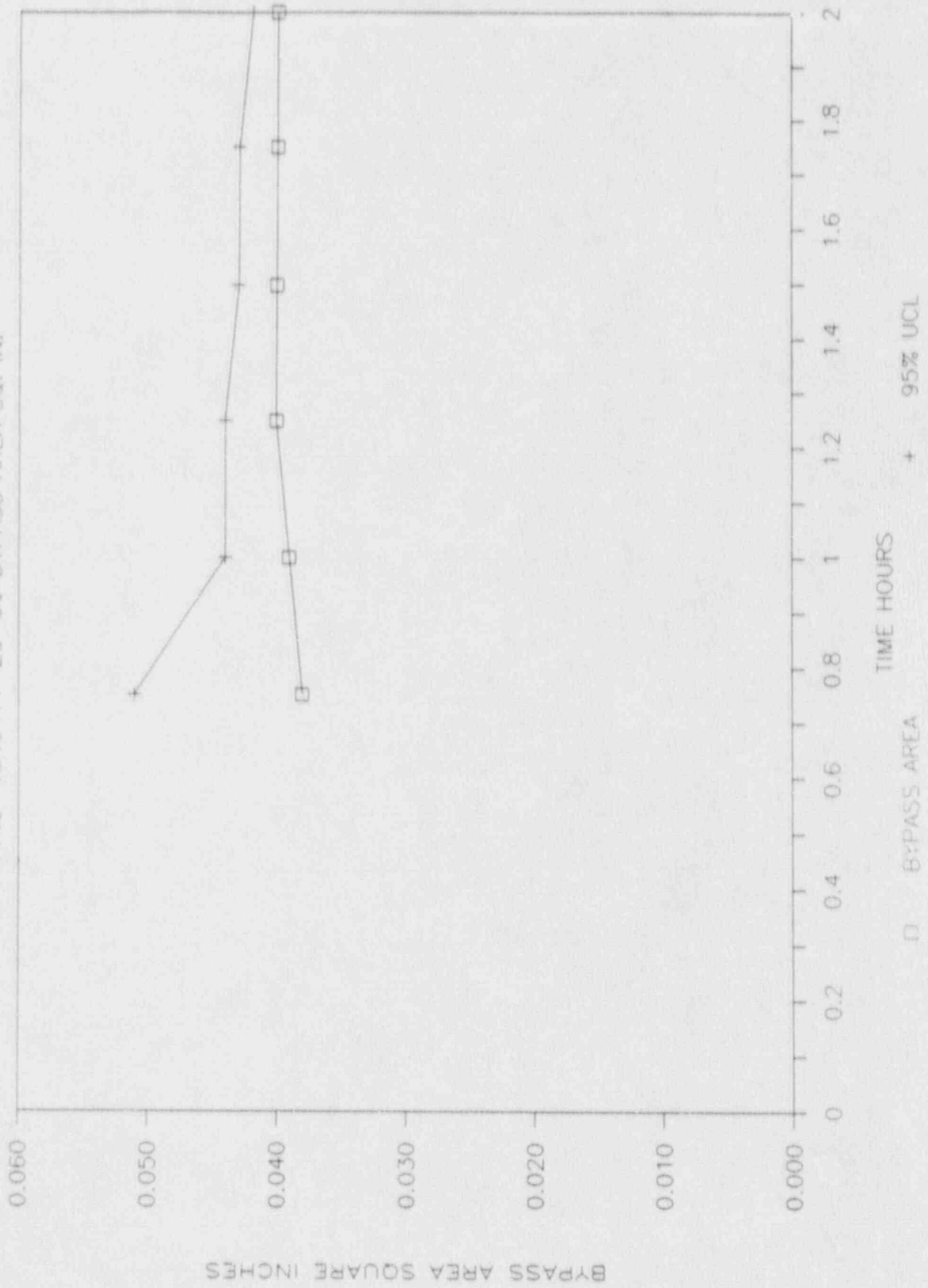
VOLUME = 151187.0

COD = .600

TIME	DATE	DRYTMP	DRYPRS	DRYVAP	SP TMP	SP PRS	SP VAP	VOL
1045	1123	544.453	18.704	.276	535.465	14.420	.358	151187.0
1100	1123	544.862	18.718	.279	535.981	14.443	.364	151187.0
1115	1123	545.071	18.722	.283	536.184	14.462	.368	151187.0
1130	1123	545.273	18.724	.287	536.341	14.479	.371	151187.0
1145	1123	545.473	18.726	.290	536.440	14.493	.375	151187.0
1200	1123	545.629	18.727	.293	536.539	14.508	.377	151187.0
1215	1123	545.779	18.727	.296	536.707	14.523	.380	151187.0
1230	1123	545.925	18.728	.299	536.796	14.536	.382	151187.0
1245	1123	546.068	18.728	.302	536.845	14.550	.384	151187.0
1300	1123	546.208	18.728	.304	536.936	14.564	.386	151187.0
1315	1123	546.342	18.728	.307	536.993	14.576	.388	151187.0
1330	1123	546.475	18.727	.309	537.051	14.588	.390	151187.0
1345	1123	546.510	18.726	.311	537.089	14.601	.391	151187.0

LIMERICK UNIT 1 DRYWELL BYPASS TEST

1145-1345 11-23-90 BYPASS AREA SQ. IN.



APPENDIX H

Type B and C Leakage Rate Test Results

PEN#	TEST	TITLE	DATE	SCCM	PASS/FAIL	TOTAL AT ILRT
JX-100A	E01	ELECTRICAL PENETRATION	01-04-1989	23.60		12.50
			08-24-1990	12.90		
JX-100B	E02	ELECTRICAL PENETRATION	01-05-1989	6.32		887.50
			08-25-1990	79.40		
			10-23-1990	887.50		
JX-100C	E03	ELECTRICAL PENETRATION	01-03-1989	3.90		2.70
			08-23-1990	2.70		
JX-100D	E04	ELECTRICAL PENETRATION	01-03-1989	1.00		2.80
			08-22-1990	2.80		
JX-101A	E05	ELECTRICAL PENETRATION	01-03-1989	4.60		10.86
			08-20-1990	10.86		
JX-101B	E06	ELECTRICAL PENETRATION	01-03-1989	3.70		17.80
			08-22-1990	17.80		
JX-101C	E07	ELECTRICAL PENETRATION	01-04-1989	5.50		6.60
			08-20-1990	6.60		
JX-101D	E08	ELECTRICAL PENETRATION	01-03-1989	2.80		9.95
			08-23-1990	9.95		
JX-103A	E09	ELECTRICAL PENETRATION	01-03-1989	5.40		1.60
			08-23-1990	1.60		
JX-103B	E10	ELECTRICAL PENETRATION	01-04-1989	2.20		5.10
			08-22-1990	5.10		
JX-104A	E11	ELECTRICAL PENETRATION	01-04-1989	21.10		2.93
			08-24-1990	2.93		
JX-104B	E12	ELECTRICAL PENETRATION	01-11-1989	35.30		28.80
			08-25-1990	24		
			10-24-1990	4.50		
JX-104C	E13	ELECTRICAL PENETRATION	01-05-1989	6.30		3.00
			08-27-1990	3.00		
JX-104D	E14	ELECTRICAL PENETRATION	01-05-1989	1.52		1.33
			08-25-1990	1.33		
JX-105A	E15	ELECTRICAL PENETRATION	01-11-1989	161.60		

PEN#	TEST	TITLE	DATE	SCCM	PASS/FAIL	TOTAL AT ILRT
			08-27-1990	162.90		
			10-23-1990	177.08		177.08
JX-105B	E16	ELECTRICAL PENETRATION	01-05-1989	1.42		
			08-25-1990	1.35		1.35
JX-105C	E17	ELECTRICAL PENETRATION	01-05-1989	3.80		
			08-20-1990	1.30		1.30
JX-105D	E18	ELECTRICAL PENETRATION	01-04-1989	1.30		
			08-21-1990	3.40		3.40
JX-105E	E19	ELECTRICAL PENETRATION	01-05-1989	13.20		
			08-27-1990	2.40		2.40
JX-106A	E20	ELECTRICAL PENETRATION	01-03-1989	3.86		
			08-21-1990	2.70		2.70
JX-106B	E21	ELECTRICAL PENETRATION	01-03-1989	3.50		
			08-23-1990	2.58		2.58
JX-106C	E22	ELECTRICAL PENETRATION	01-04-1989	2.30		
			08-21-1990	5.00		5.00
JX-222	E23	ELECTRICAL PENETRATION	01-05-1989	3.20		
			08-24-1990	1.15		
			10-24-1990	3.06		3.06
JX-230A	E24	ELECTRICAL PENETRATION	01-05-1989	5.40		
			08-24-1990	2.70		2.70
X-1	B04	EQUIPMENT ACCESS DOOR	01-12-1989	1.90		
			04-21-1989	17.40		
			09-11-1990	1.83		
			11-16-1990	13.50		13.50
X-10	101	STEAM TO RCIC TURBINE	02-09-1989	18.30		
			04-28-1989	23.10		
			10-31-1990	20.88		20.88
X-11	110	STEAM TO HPCI TURBINE	08-28-1987	99.00		
			02-07-1989	74.20		
			09-25-1990	19.80		
			11-02-1990	80.30		80.30
X-117B	561	DRYWELL RADIATION MONITOR SUPPLY AND RETURN	02-05-1989	81.90		

PEN#	TEST	TITLE	DATE	SCCM	PASS/FAIL	TOTAL AT ILRT
			06-11-1990	1.70		
			09-14-1990	14.30		14.30
X-12	121	RHR SHUTDOWN COOLING SUPPLY	02-28-1989	75.20		
			03-17-1989	748.50		
			10-10-1990	310.50		310.50
X-13A	131	'A' RHR SHUTDOWN COOLING RETURN	03-16-1989	170.40		
			04-06-1989	65.70		
			10-04-1990	2440.00		2440.00
X-13B	141	'B' RHR SHUTDOWN COOLING RETURN	02-10-1989	487.00		
			03-06-1989	1372.00		
			10-29-1990	1372.00		1372.00
X-14	151	REACTOR WATER CLEANUP SUPPLY	03-01-1989	487.25		
			09-27-1990	145.60		
			11-08-1990	64.75		64.75
X-16A	161	'A' CORE SPRAY PUMP DISCHARGE	03-16-1989	81.10		
			10-02-1990	486.00		486.00
X-16B	171	'B' CORE SPRAY PUMP DISCHARGE	01-31-1989	1.70		
			03-08-1989	131.15		
			10-24-1990	937.25		937.25
X-2	803	EQUIPMENT ACCESS HATCH WITH AIR LOCK	02-02-1988	2103.60		
			04-19-1988	652.55		
			10-13-1988	504.45		
			05-13-1989	650.00		
			11-02-1989	739.90		
			05-01-1990	622.70		
			11-14-1990	640.15		
	807	PERSONNEL AIRLOCK DOOR SEALS	08-25-1987	48.70		
			08-28-1987	29.60		
			08-30-1987	36.30		
			04-18-1988	0.00	FAIL	
			04-19-1988	111.25		
			04-20-1988	148.40		
			01-12-1989	326.10		
			04-10-1989	35.20		
			05-11-1989	5.80		
			05-14-1989	8.60		
			05-17-1989	6.40		
			06-16-1990	79.40		

PEN#	TEST	TITLE	DATE	SCCM	PASS/FAIL	TOTAL AT ILRT
			06-19-1990	69.90		
			06-21-1990	60.45		
			06-28-1990	52.15		
			06-29-1990	37.93		
	B19	Personnel Airlock Hatch Flange	01-12-1989	8.30		
			04-09-1989	4.50		
			09-11-1990	12.56		
			11-09-1990	5.53		683.61
X-207A	B01	SUPPRESSION POOL ACCESS HATCH	01-11-1989	5.00		
			04-16-1989	8.80		
			06-06-1990	0.30		
			06-11-1990	1.70		
			09-08-1990	6.00		
			09-13-1990	911.55		
			11-21-1990	10.00		10.00
X-200B	B02	SUPPRESSION POOL ACCESS HATCH	08-19-1987	15.20		
			01-11-1989	14.00		
			04-14-1989	3.20		
			09-08-1990	8.45		
			11-20-1990	5.20		5.20
X-201A	571	SUPPRESSION POOL PURGE SUPPLY	01-19-1989	3306.00		
			03-25-1989	1470.20		
			09-12-1990	15648.50		
			11-08-1990	345.25		
	572	SUPPRESSION POOL PURGE SUPPLY	01-18-1989	1178.50		
			03-24-1989	1535.87		
			09-12-1990	1265.50		
	B14	VALVE O-RING/PACKING - DRYWELL PURGE SUPPLY	01-17-1989	4.20		
			02-24-1989	0.00		
			09-11-1990	14.83		
			11-08-1990	14.40		
	B15	valve o-ring/packing - suppres. pool purge supply	01-17-1989	3.50		
			03-09-1989	3.34		
			09-11-1990	5.97		
	B16	VALVE O-RING/PACKING- B POST LOCA RECOMBINER	01-17-1989	3.10		
			02-23-1989	0.03		
			09-10-1990	5.30		1636.42
X-202	581	SUPPRESSION POOL PURGE EXHAUST	03-30-1989	109.80		
			09-11-1990	24.70		
	582	SUPPRESSION POOL PURGE EXHAUST	01-18-1989	570.00		
			03-29-1989	1753.10		

PEN#	TEST	TITLE	DATE	SCCM	PASS/FAIL	TOTAL AT ILRT
			09-09-1990	1720.80		
	117	VALVES O-RINGS/PACKING-SUPPRESSION PCOL EXHAUST	01-17-1989	2.60		
			02-24-1989	0.05		
			09-09-1990	6.23		
	818	VALVE O-RINGS/PACKING - 'A' POST LOCA	01-17-1989	1.30		
			02-24-1989	12.10		
			09-13-1990	7.40		1759.13
X-203A	591	'A' RHR PUMP SUCTION	03-17-1989	20.92		
			03-21-1989	50.15		
			09-28-1990	5.50		
			10-11-1990	2.37		2.37
X-203B	601	'B' RHR PUMP SUCTION	03-04-1989	39.56		
			03-24-1989	20.50		
			10-20-1990	5.88		5.88
X-203C	611	'C' RHR PUMP SUCTION	03-24-1989	1.05		
			03-25-1989	117.95		
			10-01-1990	3.73		
			10-10-1990	4.94		4.94
X-203D	621	'D' RHR PUMP SUCTION	02-04-1989	49.30		
			03-04-1989	118.48		
			03-04-1989	49.80		
			10-19-1990	14.40		14.40
X-205A	651	'A' RHR SUPPRESSION POOL SPRAY	03-24-1989	135.75		
			10-04-1990	1.35		1.85
X-205B	661	'B' RHR SUPPRESSION POOL SPRAY	02-17-1989	1444.50		
			10-25-1990	64.00		64.00
X-21	191	SERVICE AIR SYSTEM	02-14-1989	848.00		
			09-13-1990	874.00		874.00
X-217	801	RCIC VACUUM PUMP DISCHARGE	01-03-1989	210.50		
			02-27-1989	277.50		
			05-15-1989	222.20		
			09-13-1990	911.55		911.55
X-218	811	INSTRUMENT GAS TO VACUUM RELIEF VALVES	02-03-1989	93.30		
			09-17-1990	12.67		12.67
X-221A	831	WETWELL H2/O2 SAMPLE	01-30-1989	49.60		

PEN#	TEST	TITLE	DATE	SCCM	PASS/FAIL	TOTAL AT ILRT
			09-09-1990	69.85		69.85
X-221B	841	WETWELL H2/O2 SAMPLE	01-24-1989	97.40		
			09-13-1990	137.20		137.20
X-225	851	RHR VACUUM RELIEF SUCTION	02-28-1989	37.45		
			04-06-1989	10105.54		
			05-04-1989	126.60		
			09-13-1990	9094.90		
			11-03-1990	659.30		659.30
X-227	881	ILRT DATA ACQUISITION SYSTEM	03-23-1989	31.00		
			09-11-1990	55.63		55.63
X-228D	891	HPCI VACUUM RELIEF	01-31-1989	29.50		
			02-21-1989	465.00		
			09-12-1990	2979.55		2979.55
X-23	201	REACTOR ENCLOSURE COOLING WATER SUPPLY	03-06-1989	51.20		
			10-05-1990	17.00		17.00
X-238	961	B RHR HEAT EXCHANGER SHELL VENT	03-04-1989	1000.30		
			03-04-1989	754.70		
			10-26-1990	55.07		
			11-01-1990	0.00	FAIL	
			11-02-1990	118.00		
			11-04-1990	157.33		157.33
X-239	971	A RHR HEAT EXCHANGER SHELL VENT	02-14-1989	7.80		
			03-21-1989	118.20		
			03-24-1989	193.50		
			03-25-1989	3.00		
			05-12-1989	214.90		
			10-06-1990	4960.85		
			10-20-1990	989.30		989.30
X-24	211	REACTOR ENCLOSURE COOLING WATER RETURN	03-06-1989	1.00		
			10-05-1990	74.88		
			10-17-1990	580.05		580.05
X-240	981	RHR TO RCIC VENT TO SUPPRESSION POOL	03-09-1989	521.00		
			03-24-1989	6.50		
			10-16-1990	7.70		7.70
X-241	991	RCIC VACUUM RELIEF	02-06-1989	201.50		

PEN#	TEST	TITLE	DATE	SCCM	PASS/FAIL	TOTAL AT ILRT
			04-06-1989	269.90		
			11-10-1990	198.80		198.80
X-21	004	'B' HYDROGEN RECOMBINER	01-21-1989	1185.80		
			04-19-1989	687.70		
			09-15-1990	910.95		
	222	DRYWELL PURGE SUPPLY	01-19-1989	86.90		
			03-25-1989	63.20		
			09-11-1990	84.40		
	B09	VALVE O-RINGS/PACKING DRYWELL PURGE SUPPLY	01-17-1989	2.40		
			02-23-1989	0.05		
			09-10-1990	5.40		
	B10	VALVE O-RINGS/PACKING-DRYWELL PURGE SUPPLY	01-17-1989	18.90		
			02-23-1989	288.20		
			09-10-1990	89.77		
	B11	VALVE O RINGS/PACKING-DRYWELL PURGE SUPPLY	01-17-1989	1.40		
			03-09-1989	4.14		
			09-10-1990	29.60		1120.12
X-26	003	'A' HYDROGEN RECOMBINER	01-18-1989	90.09		
			03-29-1989	417.00		
			09-14-1990	263.95		
	231	DRYWELL PURGE EXHAUST	01-17-1989	131.30		
			03-27-1989	553.25		
			09-15-1990	329.10		
	232	DRYWELL PURGE EXHAUST	03-31-1989	333.90		
			09-12-1990	282.15		
	B12	VALVE O-RINGS/PACKING-DRYWELL PURGE EXHAUST	01-17-1989	7.10		
			02-24-1989	0.05		
			03-08-1989	2.56		
			09-15-1990	9.30		
	B13	VALVE O-RING/PACKING-DRYWELL PURGE EXHAUST	01-17-1989	8.00		
			03-08-1989	2.55		
			09-13-1990	16.60		618.95
X-27A	241	INSTRUMENT GAS SUPPLY	02-03-1989	47.95		
			09-14-1990	68.90		68.90
X-28A	261	RECIRC LOOP SAMPLE	01-23-1989	995.50		
			04-18-1989	691.25		
			09-12-1990	248.30		
	262	DRYWELL H2/O2 SAMPLE	01-24-1989	90.50		
			09-10-1990	135.34		383.64
X-28B	271	DRYWELL H2/O2 SAMPLE	01-24-1989	102.10		

PEN#	TEST	TITLE	DATE	SCCM	PASS/FAIL	TOTAL AT ILRT
			09-17-1990	40.26		40.26
X-35A	281	INSTRUMENT GAS TO TIP INDEXING MECHANISMS	02-16-1989	21.80		
			09-12-1990	580.60		580.60
X-35C	291	TIP DRIVES	02-16-1989	10.60		
			09-12-1990	6.50		6.50
X-35D	301	TIP DRIVES	02-16-1989	9.30		
			09-12-1990	5.60		5.60
X-35E	311	TIP DRIVES	02-16-1989	10.10		
			09-12-1990	97.60		97.60
X-35F	321	TIP DRIVES	02-16-1989	2.50		
			09-12-1990	14.90		14.90
X-35G	331	TIP DRIVES	08-22-1987	35.60		
			02-16-1989	5.40		
			09-12-1990	17.55		17.55
X-38A-D	361	SCRAM DISCHARGE VOLUME VENT AND DRAIN VALVES	08-19-1987	0.00	FAIL	
			08-20-1987	13217.30		
			01-21-1989	6413.10		
			04-18-1989	2308.75		
			09-13-1990	2841.20		2841.20
X-39A	371	A RHR DRYWELL SPRAY	03-11-1989	169.54		
			04-06-1989	775.04		
			05-04-1989	225.34		
			09-29-1990	252.40		252.40
X-39B	381	B RHR DRYWELL SPRAY	02-10-1989	5607.30		
			02-21-1989	5612.15		
			10-28-1990	3830.70		3830.70
X-38	011	INSTRUMENT GAS SUPPLY	01-24-1989	225.75		
			09-13-1990	39.90		39.90
X-30	021	INSTRUMENT GAS SUPPLY	01-26-1989	79.70		
			09-12-1990	6.56		6.56
X-4	B05	HEAD ACCESS MANIFOLD	01-15-1989	73.50		
			02-18-1989	30.10		
			09-17-1990	14.50		

PEN#	TEST	TITLE	DATE	SCCM	PASS/FAIL	TOTAL AT ILRT
						14.50
X-40F	391	INSTRUMENT GAS SUCTION	08-17-1987	293.30		
			02-15-1989	93.40		
			09-14-1990	39.80		39.80
X-40G	401	ILRT DATA ACQUISITIONS SYSTEM	03-22-1989	1.00		
			09-11-1990	20.78		20.78
X-40H	411	INSTRUMENT GAS SUPPLY	01-25-1989	27.10		
			09-12-1990	20.00		20.00
X-42	421	STANDBY LIQUID CONTROL	02-24-1989	12.20		
			09-15-1990	454.75		
			10-30-1990	206.25		206.25
X-43B	431	MAIN STEAM SAMPLE	01-27-1989	546.00		
			04-22-1989	205.75		
			09-28-1990	280.50		280.50
X-44	441	RWCU ALTERNATE RETURN	08-19-1987	657.30		
			02-03-1989	1191.50		
			10-23-1990	1074.45		1074.45
X-45A	451	'A' RHR LPCI	03-12-1989	396.00		
			04-06-1989	20.00		
			10-03-1990	628.25		628.25
X-45B	461	'B' RHR LPCI	03-06-1989	69.75		
			10-27-1990	20.00		20.00
X-45C	471	'C' RHR LPCI	02-23-1989	686.00		
			04-04-1989	20.00		
			09-28-1990	20.00		20.00
X-45D	481	'D' RHR LPCI	03-09-1989	1251.00		
			10-26-1990	228.25		228.25
X-53	491	DRYWELL CHILLED WATER SUPPLY	02-25-1989	7328.00		
			05-02-1989	5358.10		
			10-13-1990	210.50		
			11-07-1990	1514.50		1514.50
X-54	501	DRYWELL CHILLED WATER RETURN	02-25-1989	767.00		
			10-13-1990	1731.00		
			11-07-1990	197.50		

PEN#	TEST	TITLE	DATE	SCC'	PASS/FAIL	TOTAL AT ILRT
						197.50
X-55	511	DRYWELL CHILLED WATER SUPPLY	02-25-1989 10-13-1990	616.00 215.60		215.60
X-56	521	DRYWELL CHILLED WATER RETURN	02-25-1989 04-20-1989 10-13-1990	222.30 289.50 473.00		473.00
X-6	806	CRD REMOVAL HATCH	01-12-1989 04-26-1989 05-09-1989 05-13-1989 09-10-1990	1.30 18.50 4.83 20.00 1.44		1.44
X-61A	531	'A' RECIRC PUMP SEAL PURGE	01-22-1989 01-23-1989 09-14-1990 10-09-1990	15.40 11.95 0.00 4685.00	FAIL	4685.00
X-61B	532	'B' RECIRC PUMP SEAL PURGE	02-08-1989 10-04-1990	98.20 340.75		340.75
X-62	541	H2/O2 SAMPLE RETURN	01-21-1989 09-19-1990	365.20 512.56		512.56
X-8	071	MAIN STEAM LINE DRAIN	01-22-1989 04-22-1989 09-29-1990	9.50 15.15 142.10		142.10
X-9A	082	RWCU TO FEEDWATER	02-03-1989 04-24-1989 04-28-1989 06-09-1990 09-22-1990 11-09-1990	11247.47 0.00 1175.00 18416.50 25427.20 3025.45	FAIL	
	084	'A' FEEDWATER	01-30-1989 04-12-1989 06-13-1990 06-14-1990 09-20-1990 10-17-1990 11-16-1990	2837.40 9871.60 0.00 18856.00 25427.20 25427.20 3025.45	FAIL	3025.45
X-9B	092	'B' FEEDWATER	01-29-1989 04-12-1989	12670.50 6358.00		

UNIT 1 MSIV +/-OR DISCONTINUED TESTS FROM
08-14-1987 TO 11-22-1990

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PEN#	TEST	TITLE	DATE	SCCM	PASS/FAIL	TOTAL AT TLRT
X-17	181	HEAD SPRAY (DELETED)	01-29-1989	51.22		51.22
X-7A	031	'A' MAIN STEAM LINE	01-16-1989	2833.10		
			04-10-1989	0.00	FAIL	
			04-17-1989	495.55		
			09-10-1990	10722.60		
			11-03-1990	0.00	FAIL	
			11-05-1990	832.50		832.50
X-7B	041	'B' MAIN STEAM LINE	01-16-1989	2363.40		
			04-09-1989	1881.10		
			04-17-1989	1368.40		
			09-10-1990	1038.65		
			10-24-1990	1012.10		1012.10
X-7C	051	'C' MAIN STEAM LINE	01-16-1989	1497.20		
			04-09-1989	8553.00		
			04-15-1989	5342.20		
			09-10-1990	3259.00		
			10-24-1990	3180.90		3180.90
X-7D	061	'D' MAIN STEAM LINE	01-31-1989	0.00	FAIL	
			04-15-1989	58.40		
			09-10-1990	0.00	FAIL	
			10-27-1990	2199.00		2199.00

PEN#	TEST	TITLE	DATE	GPM	PASS/FAIL	TOTAL
X-12	121	RHR SHUTDOWN COOLING SUPPLY	02-28-1989	0.02		0.00
			03-17-1989	0.00		
			04-21-1989	0.00		
			10-10-1990	0.00		
X-13A	131	A S/D COOLING RETURN	08-18-1987	0.01		0.04
			03-16-1989	0.02		
			04-06-1989	0.00		
			10-04-1990	0.03		
			10-21-1990	0.04		
X-13B	141	B S/D COOLING RETURN	02-10-1989	0.57		0.06
			03-06-1989	0.10		
			03-06-1989	0.25		
			04-20-1989	0.08		
			10-29-1990	0.48		
			11-05-1990	0.06		
X-16A	161	A C.S PUMP DISCH.	08-19-1987	0.80		0.40
			03-12-1989	0.00		
			04-06-1989	0.33		
			10-02-1990	0.46		
			10-15-1990	0.40		
X-16B	171	B C.S PUMP DISCH.	01-31-1989	0.01		0.01
			03-08-1989	0.23		
			10-24-1990	0.00		
			11-01-1990	0.01		
X-203A	591	RHR PUMP A SUCT.	03-17-1989	1.80		1.46
			09-28-1990	1.46		
X-203B	601	RHR PUMP B SUCT.	02-04-1989	0.00		0.33
			03-07-1989	0.00		
			10-20-1990	0.33		
X-203C	611	RHR PUMP C SUCT.	03-24-1989	0.00		0.06
			10-01-1990	0.06		
X-203D	621	RHR PUMP D SUCT.	02-23-1989	2.07		1.59
			10-19-1990	1.59		
X-204A	631	RHR PUMP TEST-A	03-11-1989	0.00		
			05-02-1989	0.32		
			09-26-1990	1.47		

PEN#	TEST	TITLE	DATE	GPM	PASS/FAIL	TOTAL
						1.47
X-204B	641	RHR PUMP TEST-B	02-06-1989 10-25-1990	0.00 0.02		0.02
X-206A	671	A-C.S. PUMP SUCT.	01-09-1989 09-06-1990	0.00 0.02		0.02
X-206B	681	B-C.S. PUMP SUCT.	01-10-1989 09-01-1990	0.00 0.23		0.23
X-206C	691	C-C.S. PUMP SUCT.	01-09-1989 04-04-1989 09-06-1990	0.03 0.02 0.01		0.01
X-206D	701	D-C.S. PUMP SUCT.	01-10-1989 09-01-1990	0.05 0.06		0.06
X-207A	711	C.S. PUMP TEST-A	01-09-1989 09-07-1990	0.00 0.01		0.01
X-207B	721	C.S. PUMP TEST-B	01-10-1989 09-02-1990 11-02-1990	0.00 0.01 0.04		0.04
X-208B	731	C.S. PUMP MIN. RECIRC.	01-10-1989 09-02-1990 11-03-1990	0.00 0.01 0.00		0.00
X-209	741	HPCI PUMP SUCT.	01-09-1989 08-31-1990	0.02 0.02		0.02
X-210	751	HPCI TURBINE EXH.	01-07-1989 04-16-1989 04-19-1989 04-20-1989 09-01-1990	0.03 0.00 0.00 0.13 0.03	FAIL FAIL	0.03
X-212	761	HPCI PUMP TEST	08-20-1987 01-31-1989 09-13-1990	0.01 0.00 0.00		0.00
X-214	771	RCIC PUMP SUCT.	01-03-1989 08-30-1990	0.00 0.00		0.00
X-215	781	RCIC TURBINE EXH.	01-03-1989	0.10		

PEN#	TEST	TITLE	DATE	GPM	PASS/FAIL	TOTAL	
			02-23-1989	0.08			
			04-04-1989	0.12			
			04-04-1989	0.07			
			04-25-1989	0.12			
			09-28-1990	0.05		0.05	
X-45D	481	D RHR LPC1	02-09-1989	0.40			
			02-16-1989	0.83			
			10-26-1990	0.18			
			11-04-1990	0.04		0.04	
			RUNNING TOTAL AT ILRT				6.38