

18-1 P

REPORT

APPENDICES A-D

110280731 741231
PDR ADDCK 05000003
PDR

YORK RESEARCH CORPORATION
ONE RESEARCH DRIVE
STAMFORD, CONN. 06906

APPENDIX A

QUALITY ASSURANCE PROGRAM

RETURN TO REGULATORY CENTRAL FILES
ROOM 916

E. Program CHMAIN

1. Purpose: CHMAIN is a quality control program specifically designed to check data from meteorological tower #4 at the Con Edison Indian Point Power Plant. With the use of Subroutines CHECK and DIRT, CHMAIN will check for the following conditions and display an appropriate message.

- 1) Which parameter is being worked on
- 2) Invalid alphanumeric data which cannot be read
- 3) A variation between consecutive numbers which is greater than a specified constant
- 4) A number which is not evenly divisible by a specified constant
- 5) Wind directions which are equal to 0 degrees.

Special codes in the data are exceptions to the above conditions and will not be flagged.

2. Constants Used in CHMAIN:

VAR = Maximum variation between consecutive numbers

DIV = Constant used for division check

NUMB = First special number excluded from stated tests

NUMB1 = Second special number excluded from stated tests

AMBIENT TEMPERATURE

VAR = 50

DIV = 5

Numb = 999

Numbl = 999

AVERAGE DIRECTION

No Variance

DIV = 5

Numb = 444

Numbl = 999

000 is always printed out

DELTA - T

VAR = 5

DIV = 1

Numb = 999

Numbl = 999

RADIATION

VAR = 100

DIV = 5

Numb = 999

Numbl = 999

DEW POINT

VAR = 50

DIV = 5

Numb = 999

Numbl = 999

SPEED

VAR = 50

DIV = 5

Numb = 999

Numbl = 999

3. Order of Data Input

Line 1 Number of rows of data for a parameter.

Line 2 Parameter 11 first day in the following format

Month, Day, Year, Parameter Code, 24 data values, e.g., 01017411
24-3 digit values

Line 3 Parameter 11 second day.

Each day will thus be entered on a line until one months worth of data is present. At this point the next parameter is entered in a similar manner. All 16 parameters are entered in the following order.

- 11 Ambient Temperature - 33 ft.
- 12 Delta-t #200-33 ft.
- 13 Delta-t #399-33 ft.
- 14 Dew Point - 33 ft .
- 15 Dew Point - 200 ft.
- 16 Dew Point - 399 ft.
- 21 Speed - 33 ft.
- 22 Average Direction - 33 ft.
- 31 Speed - 125 ft.
- 32 Average Direction - 125 ft.
- 41 Speed - 283 ft.
- 42 Average Direction - 283 ft.
- 51 Speed - 400 ft.
- 52 Average Direction - 400 ft.
- 61 Visibility
- 71 Radiation

4. Execution of CHMAIN in the IP4CPS System

```
!EDIT JADATA
.1 31
.2 Q
!DEVECES, QUEUE 1
!COPY, IN, LIST, ONLY FLPROG-UNP/$STAR SORTER-XQT, WRITE2-XQT,
CHMAIN-XQT
!EDIT, NEW JAOUT
Q
!EQUATE 1 JADATA
!EQUATE 7 JAOUT
!SORTER
!EDIT, NEW JADAT1
C 1:JADATA 1-
C 1:JAOUT
L 184-187
Q
!EQUATE 1 JADAT1
!CHMAIN
```

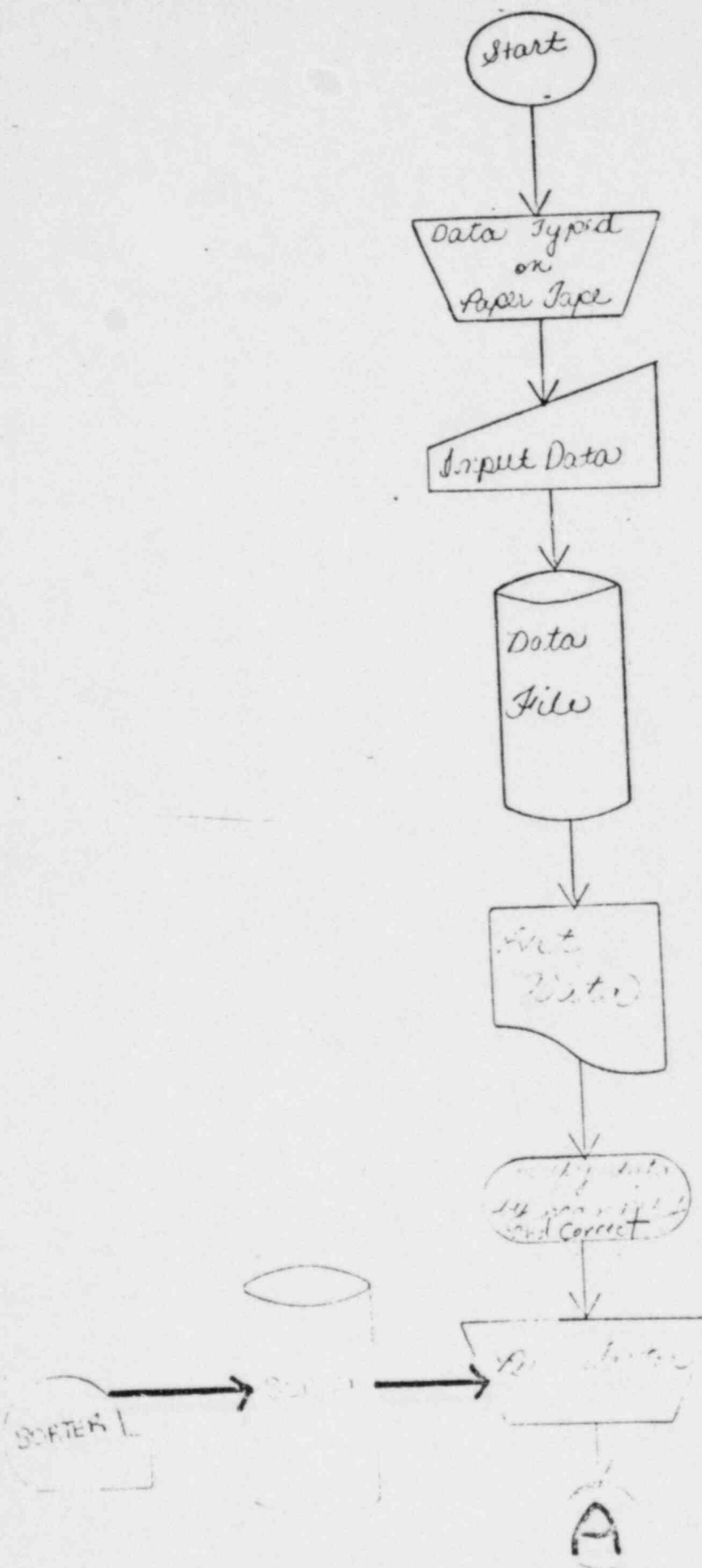
At this point the output from CHMAIN is matched against a listing of JADAT1. Corrections are made to JADAT1 while JADATA is held as a back up file. Proceed as follows after JADAT1 has been corrected:

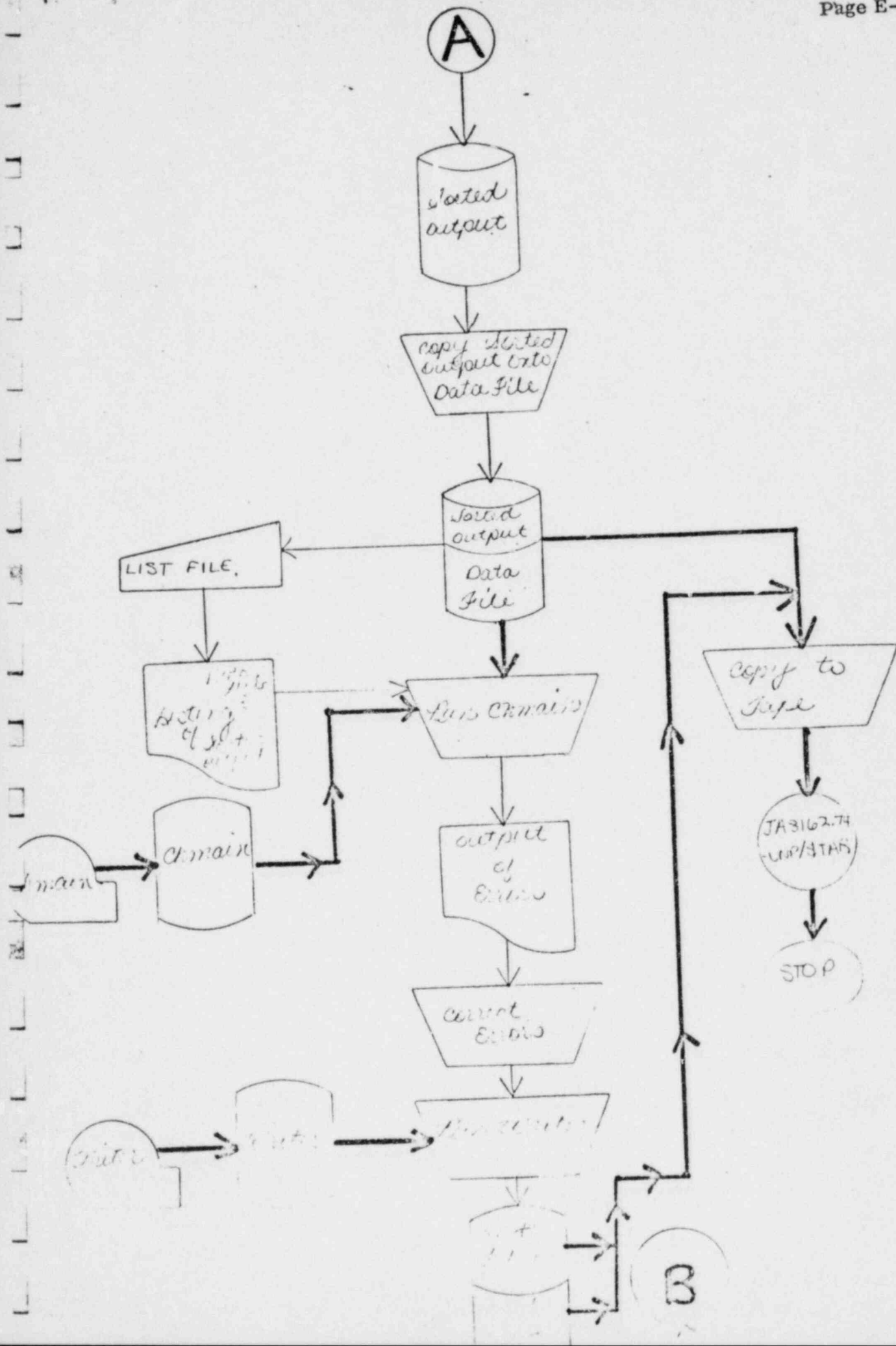
```
!EQUATE 1 JADAT1
!EQUATE 7 JACRD1
!EQUATE 8 JACRD2
!WRITE2
!OUTPUT JACRD1 9149040079 FORM:STD2
!OUTPUT JACRD1 9149040079, PUNCH
!OUTPUT JACRD2 9149040079 FORM:STD2
!OUTPUT JACRD2 9149040079, PUNCH
!DROP WRITE2, SORTER, JAOUT, CHMAIN
```

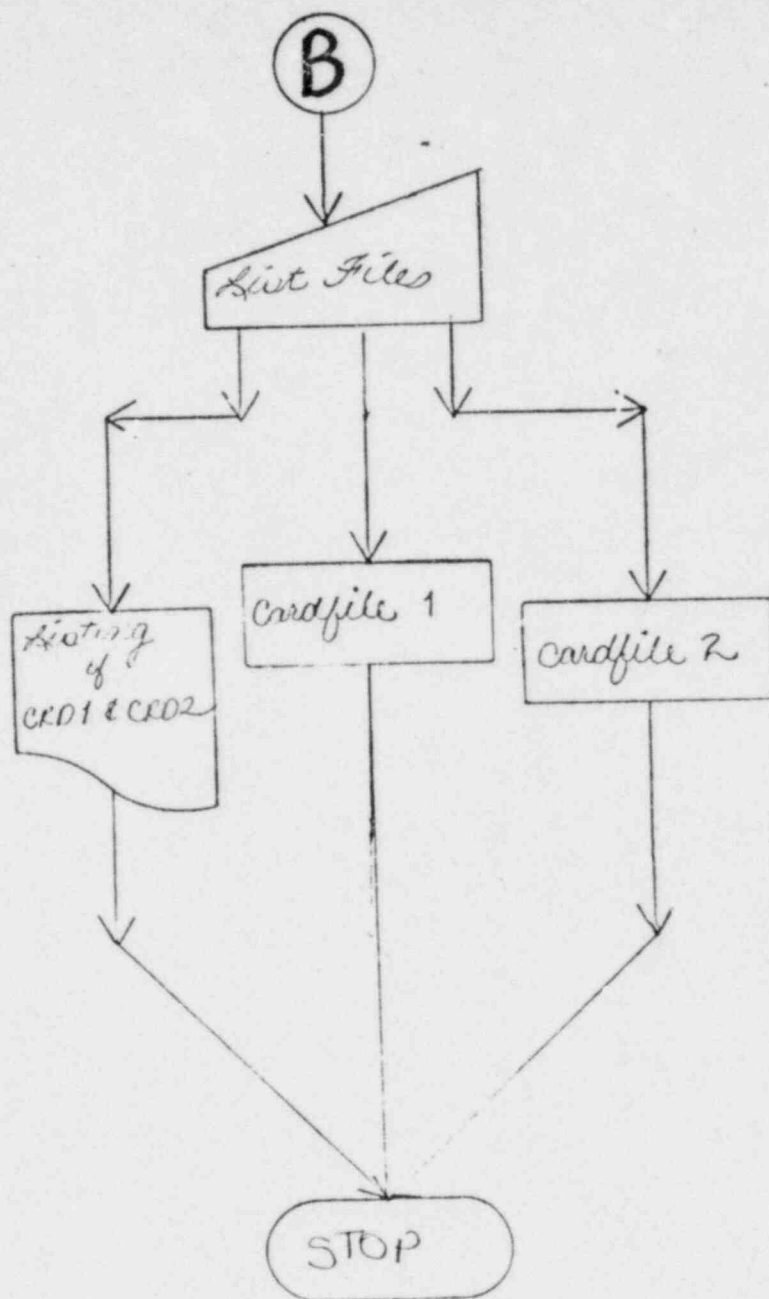
At this point JADAT1, JACRD1, and JACRD2 are copied to magnetic tape. Use the following commands:

```
!DEVICES, QUEUE 1
!DEFINE JA8162.74-UNP KINO:TAPE, 9 VOLUME:EPAPRO-UNP/$STAR
!COPY, OUT, LIST JADAT1, JACRD1, JACRD2 JA8162.74-UNP
!COPY, IN JA8162.74-UNP/$STAR
!DEVICES, DROP 1
!DROP JADAT1
!OFF
```

5. Modified System Flow Diagram







APPENDIX B

TWO STATION WIND CORRELATION

IP3 (100') and IP4 (125')



YORK RESEARCH CORPORATION
ONE RESEARCH DRIVE, STAMFORD, CONNECTICUT 06906

JOB NUMBER : Y-8162

TWO STATION WIND CORRELATION

FOR : CON EDISON

SITE 1 : I P 4 125 FT

SITE 2 : I P 3 105 FT

OCT 01, 1973 - OCT 31, 1973

SITE 1 WIND DIRECTION

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
N	6	30	32	8	1	0	0	0	1	0	0	0	0	1	1	-1	81
NNE	1	8	33	8	0	0	0	1	1	2	0	0	0	0	0	0	54
NE	0	2	5	21	6	3	1	1	0	0	0	0	0	0	0	1	40
ENE	1	0	0	4	2	2	0	0	1	1	0	0	0	0	0	0	11
E	0	0	0	0	2	3	5	1	0	0	0	0	0	0	0	0	11
ESE	0	0	0	0	0	2	4	2	1	1	0	0	1	0	0	1	12
SE	0	0	0	0	0	1	0	1	4	2	0	0	0	0	0	0	8
SSE	0	0	0	0	1	0	0	3	11	5	2	0	2	0	0	0	24
S	0	0	0	0	0	0	0	2	8	15	16	0	3	0	0	1	45
SSW	0	0	0	0	0	0	0	0	2	4	3	2	1	1	0	0	13
SW	0	0	0	0	0	0	0	0	0	0	1	4	1	2	0	0	8
WSW	0	0	0	0	0	0	0	1	1	0	1	2	1	5	1	1	13
W	0	0	0	1	0	0	0	0	0	0	2	1	3	20	19	0	46
WNW	5	0	0	0	0	0	0	0	0	0	1	0	1	1	12	6	26
NW	5	2	1	0	0	1	0	0	0	0	0	0	0	0	3	12	24
NNW	11	9	1	0	0	0	0	0	0	0	0	1	1	0	2	3	28
TOTAL	29	51	72	42	12	12	10	12	30	30	26	10	14	30	38	26	

SITE 2

WIND
DIRECTION



YORK RESEARCH CORPORATION
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FOR : CON EDISON

SITE 1 : I P 4 125 FT
SITE 2 : I P 3 105 FT

NOV 01, 1973 - NOV 30, 1973

SITE 1 WIND DIRECTION

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
N	2	15	10	3	0	0	0	0	0	0	0	0	0	1	1	1	33
NNE	2	14	11	7	0	0	0	0	0	0	1	0	0	0	0	0	35
NE	1	4	7	3	0	1	0	0	0	0	0	0	0	0	0	0	16
ENE	2	0	1	1	0	0	0	1	0	0	0	0	0	0	1	0	5
E	0	0	0	0	1	2	0	1	2	0	0	0	0	0	0	0	7
ESE	0	0	1	0	0	0	2	0	0	0	2	0	1	0	0	0	5
SE	0	0	0	0	0	2	0	3	7	0	0	0	1	0	0	0	13
SSE	0	0	0	0	0	1	0	4	23	6	1	1	0	0	0	0	36
S	0	0	0	0	0	1	0	4	14	35	17	1	3	0	0	0	75
SSW	0	0	0	0	0	0	0	2	6	20	30	12	1	0	0	0	71
SW	0	0	0	0	0	0	0	0	1	1	9	10	2	0	0	0	23
WSW	0	0	0	0	0	0	0	1	2	0	3	9	7	8	3	1	34
W	1	0	0	0	0	0	0	0	1	0	2	4	12	29	14	0	64
WNW	0	0	0	0	0	0	0	0	0	0	0	0	2	24	73	25	24
NW	11	2	0	0	0	1	0	0	0	0	0	0	1	2	14	30	61
NNW	2	4	0	0	0	0	0	0	0	0	1	0	1	0	2	5	15
TOTAL	21	39	30	14	1	8	2	17	55	63	66	37	30	64	108	62	

SITE 2

WIND
DIRECTION



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JOB NUMBER : Y-8162

TWO STATION WIND CORRELATION

FOR : CON EDISON

SITE 1 : I P 4 125 FT

SITE 2 : I P 3 105 FT

DEC 01, 1973 - DEC 31, 1973

SITE 1 WIND DIRECTION

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
N	33	30	8	1	1	0	0	0	0	0	0	0	1	0	0	0	74
NNE	30	65	34	6	2	2	0	0	0	0	0	0	0	0	0	0	139
NE	3	5	26	8	1	1	2	0	0	0	0	0	0	0	0	1	47
ENE	0	0	4	4	1	1	0	0	1	1	0	0	0	0	0	0	12
E	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	3
ESE	0	0	1	0	1	1	1	0	0	1	0	0	0	0	0	0	5
SE	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
SSE	0	0	0	0	1	0	0	10	8	4	0	0	0	0	0	0	23
S	0	0	0	0	0	0	0	3	13	17	4	0	1	2	0	0	40
SSW	0	0	0	0	0	1	0	0	4	18	16	5	1	0	0	0	45
SW	1	0	0	0	0	0	0	0	1	3	10	4	4	0	0	1	24
WSW	0	0	0	0	0	0	0	0	2	4	2	10	3	3	0	0	24
W	0	0	0	0	0	0	0	0	1	1	0	2	5	12	6	0	27
WNW	1	0	0	0	0	0	0	0	0	0	0	1	3	20	48	4	77
NW	3	0	0	0	0	0	0	0	0	1	0	0	2	2	47	23	78
NNW	20	3	0	0	0	0	0	1	0	0	0	0	0	0	7	20	51
TOTAL	91	104	73	20	8	6	4	15	30	50	32	22	20	39	108	49	

SITE 2

WIND
DIRECTION



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JOB NUMBER : Y-8162

TWO STATION WIND CORRELATION

FOR : CON EDISON

SITE 1 : I P 4 125 FT

SITE 2 : I P 3 105 FT

OCT 01, 1973 - OCT 31, 1973

DIRECTION SITE 1	DIR	WIND AT I P 3			105 FT		PERSIST
		RESULTANT SPD	WIND UCOM	VCOM	MEAN WIND DIR	WIND SPD	
N	329.	6.9	-102.10	172.79	333.	7.5	.9186
NNE	357.	6.0	-18.45	307.47	359.	6.3	.9611
NE	15.	6.1	105.25	393.27	14.	6.2	.9751
ENE	44.	8.1	212.89	222.00	34.	8.5	.9508
E	61.	7.5	78.53	43.57	59.	8.2	.9164
ESE	89.	3.6	42.93	.94	74.	4.1	.8675
SE	91.	6.5	64.66	-.87	95.	6.9	.9372
SSE	138.	3.1	24.82	-27.09	138.	5.7	.5403
S	161.	5.2	49.64	-147.33	161.	6.7	.7735
SSW	175.	5.7	15.06	-169.00	171.	6.6	.8547
SW	190.	6.2	-27.64	-158.86	192.	6.9	.8958
WSW	230.	4.2	-32.31	-27.03	233.	4.9	.8687
W	206.	2.6	-16.08	-32.34	217.	4.3	.6020
WNW	267.	9.2	-175.58	-14.45	265.	9.5	.9666
NW	283.	9.9	-366.06	83.85	285.	10.4	.9507
NNW	313.	8.7	-164.56	155.55	313.	9.6	.9058

DIRECTION SITE 2	DIR	WIND AT I P 4			125 FT		PERSIST
		RESULTANT SPD	WIND UCOM	VCOM	MEAN WIND DIR	WIND SPD	
N	32.	7.0	282.75	455.74	33.	7.6	.9204
NNE	47.	5.8	208.22	196.70	47.	6.9	.8527
NE	72.	8.9	337.63	108.53	72.	9.8	.9026
ENE	87.	7.5	82.08	3.84	91.	10.0	.7505
E	124.	7.0	64.33	-43.16	124.	7.4	.9459
ESE	150.	3.6	21.27	-36.98	154.	5.6	.6348
SE	171.	7.1	8.85	-55.80	177.	7.9	.8940
SSE	189.	5.9	-21.85	-140.36	189.	6.9	.8547
S	211.	8.6	-197.84	-332.84	211.	9.4	.9182
SSW	220.	7.0	-58.13	-69.48	223.	8.0	.8753
SW	256.	6.4	-49.49	-12.31	258.	6.9	.9222
WSW	274.	5.0	-64.73	4.83	274.	6.6	.7530
W	302.	10.9	-426.88	263.83	300.	11.6	.9406
WNW	323.	9.0	-140.32	186.37	322.	9.5	.9396
NW	343.	10.4	-71.66	238.51	347.	11.2	.9271
NNW	3.	8.0	11.51	224.51	359.	8.8	.9117



YORK RESEARCH CORPORATION
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JOB NUMBER : Y-8162

TWO STATION WIND CORRELATION

FOR : CON EDISON

SITE 1 : I P 4 125 FT

SITE 2 : I P 3 105 FT

NOV 01, 1973 - NOV 30, 1973

DIRECTION SITE 1	DIR	WIND AT I P 3			105 FT		PERSIST
		RESULTANT SPD	WIND UCOM	VCOM	MEAN WIND DIR	WIND SPD	
N	330.	11.2	-118.73	203.94	340.	12.3	.9129
NNE	7.	8.4	39.87	324.04	9.	8.9	.9409
NE	18.	7.2	68.12	205.01	23.	7.6	.9517
ENE	21.	4.7	23.26	60.97	23.	4.9	.9526
E	85.	3.0	2.99	.26	85.	3.0	*****
ESE	121.	1.8	12.64	-7.65	113.	2.9	.6421
SE	109.	3.5	6.56	-2.29	112.	3.5	.9930
SSE	165.	3.3	14.64	-53.73	166.	4.3	.7576
S	168.	5.9	68.53	-318.86	167.	6.4	.9252
SSW	185.	6.9	-39.49	-430.77	186.	7.1	.9688
SW	201.	6.9	-166.67	-427.00	202.	7.6	.9158
WSW	228.	7.3	-202.03	-180.62	226.	8.0	.9155
W	259.	9.1	-268.34	-52.83	253.	9.9	.9240
WNW	278.	10.8	-686.84	100.67	277.	11.2	.9688
NW	293.	12.9	*****	543.69	293.	13.2	.9789
NNW	306.	12.3	-616.22	444.16	307.	12.6	.9689

DIRECTION SITE 2	DIR	WIND AT I P 4			125 FT		PERSIST
		RESULTANT SPD	WIND UCOM	VCOM	MEAN WIND DIR	WIND SPD	
N	29.	9.2	146.01	266.76	28.	9.9	.9271
NNE	38.	11.0	237.32	301.22	39.	11.9	.9214
NE	46.	8.4	96.82	93.63	45.	8.8	.9525
ENE	46.	4.4	15.94	15.17	44.	6.9	.6414
E	146.	2.8	11.16	-16.48	138.	5.5	.5168
ESE	119.	3.0	13.06	-7.38	161.	8.3	.3633
SE	170.	6.6	15.33	-84.46	170.	8.1	.8191
SSE	183.	7.4	-13.27	-265.67	182.	7.9	.9399
S	204.	8.8	-265.09	-605.02	203.	9.4	.9392
SSW	218.	8.6	-374.77	-480.45	217.	9.1	.9451
SW	235.	9.5	-179.26	-124.98	235.	10.1	.9399
WSW	265.	7.3	-245.67	-21.42	266.	8.9	.8123
W	289.	11.2	-675.92	231.55	288.	12.2	.9118
WNW	316.	12.5	*****	1100.36	314.	12.9	.9729
NW	339.	12.8	-274.71	732.58	337.	13.8	.9277
NNW	344.	8.0	-33.25	115.44	344.	9.7	.8296



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JOB NUMBER : Y-8162

TWO STATION WIND CORRELATION

FOR : CON EDISON

SITE 1 : I P 4 125 FT

SITE 2 : I P 3 105 FT

DEC 01, 1973 - DEC 31, 1973

		WIND AT I P 3			105 FT		PERSIST
DIRECTION SITE 1	DIR	RESULTANT SPD	WIND UCOM	VCOM	MEAN WIND DIR SPD		
N	5.	12.8	97.51	1163.35	1.	13.4	.9577
NNE	15.	8.7	235.16	859.99	16.	8.8	.9824
NE	29.	6.2	218.19	391.17	30.	6.4	.9674
ENE	42.	4.6	61.12	68.23	41.	4.9	.9444
E	51.	3.1	19.20	15.48	60.	4.3	.7256
ESE	46.	2.4	10.34	10.15	61.	3.5	.6900
SE	103.	4.2	16.38	-3.81	87.	5.5	.7643
SSE	155.	7.5	46.60	-101.68	159.	8.7	.8538
S	177.	8.1	10.67	-242.15	182.	8.7	.9287
SSW	191.	7.1	-68.99	-348.02	195.	7.8	.9085
SW	203.	6.5	-80.02	-193.10	210.	6.9	.9480
WSW	243.	5.6	-109.70	-55.02	236.	6.3	.8925
W	271.	5.5	-109.23	1.77	261.	6.3	.8636
WNW	282.	8.9	-338.82	72.13	280.	9.6	.9300
NW	304.	13.8	-988.48	676.54	304.	14.1	.9738
NNW	324.	11.2	-313.19	424.11	324.	11.6	.9691

DIRECTION SITE 2	DIR	WIND AT I P 4			125 FT		PERSIST
		RESULTANT SPD	WIND UCOM	VCOM	MEAN WIND DIR SPD		
N	13.	9.3	157.90	666.52	16.	9.5	.9748
NNE	20.	9.6	455.06	1229.35	27.	10.0	.9612
NE	45.	5.6	184.49	184.80	48.	6.0	.9221
ENE	69.	2.5	28.08	10.53	73.	3.5	.7123
E	56.	2.5	6.27	4.26	55.	2.9	.8812
ESE	98.	1.8	8.78	-1.17	108.	2.6	.6763
SE	150.	8.0	7.97	-13.80	150.	8.0	.9962
SSE	178.	8.3	5.64	-189.99	174.	8.8	.9410
S	197.	8.9	-104.84	-340.02	196.	9.6	.9242
SSW	209.	7.6	-164.57	-300.08	213.	8.0	.9462
SW	232.	4.0	-75.79	-59.77	235.	4.6	.8704
WSW	248.	4.3	-95.46	-38.95	243.	4.8	.8950
W	290.	9.3	-234.59	85.83	286.	9.9	.9325
WNW	307.	11.3	-566.55	426.75	308.	11.6	.9674
NW	322.	11.1	-470.08	605.33	320.	11.5	.9667
NNW	344.	9.6	-135.77	470.46	347.	10.2	.9406



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JOB NUMBER : Y-8162

TWO STATION WIND CORRELATION

FOR : CON EDISON
SITE 1 : I P 4 125 FT
SITE 2 : I P 3 105 FT

OCT 01, 1973 - OCT 31, 1973

SITE	RESULT. DIR	WIND SPD	TOTALS FOR INDICATED DATA		PERSIST
			MEAN DIR	WIND SPD	
1	359.	2.3	13.	8.7	.2636
2	333.	2.1	348.	7.3	.2830

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TWO STATION WIND CORRELATION

FOR : CON EDISON
SITE 1 : I P 4 125 FT
SITE 2 : I P 3 105 FT

NOV 01, 1973 - NOV 30, 1973

SITE	RESULT. DIR	WIND SPD	TOTALS FOR INDICATED DATA		PERSIST
			MEAN DIR	WIND SPD	
1	296.	4.7	282.	10.8	.4359
2	277.	5.1	263.	9.4	.5432



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TWO STATION WIND CORRELATION

FOR : CON EDISON

SITE 1 : I P 4 125 FT
SITE 2 : I P 3 105 FT

DEC 01, 1973 - DEC 31, 1973

SITE	TOTALS FOR INDICATED DATA				
	RESULT. DIR	WIND SPD	MEAN DIR	WIND SPD	PERSIST
1	340.	4.5	343.	9.2	.4924
2	335.	4.7	335.	9.6	.4904



APPENDIX C
DIURNAL WIND ANALYSES





DIURNAL WIND ANALYSIS

FOR: CON EDISON

I P 4

33 FT

WINTER

Y-8162

OCT 01, 1973 - APR 30, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	357.	2.4	-27.36	464.47	8.	4.0	.6122	190
2	358.	2.4	-14.25	455.58	4.	4.0	.6061	188
3	359.	2.7	-7.51	510.92	5.	4.0	.6795	188
4	360.	2.6	-.67	484.38	10.	4.0	.6511	186
5	1.	2.5	10.58	489.53	14.	4.0	.6310	194
6	0.	2.5	1.22	488.05	11.	4.0	.6265	195
7	1.	2.5	9.44	478.77	14.	4.0	.6368	188
8	357.	2.6	-27.00	493.08	7.	4.0	.6430	192
9	352.	2.8	-74.91	522.84	355.	5.0	.5500	190
10	343.	2.9	-159.32	537.71	342.	5.0	.5782	194
11	335.	2.9	-238.23	511.34	329.	5.0	.5786	195
12	329.	3.1	-294.67	499.90	325.	5.0	.6141	189
13	327.	3.3	-341.79	527.91	322.	5.0	.6517	193
14	323.	3.1	-350.11	471.73	319.	5.0	.6151	191
15	322.	2.8	-344.51	443.24	313.	5.0	.5699	197
16	316.	2.7	-378.90	399.11	305.	5.0	.5476	201
17	321.	2.6	-333.30	405.47	301.	5.0	.5249	200
18	327.	2.2	-243.51	368.77	311.	5.0	.4486	197
19	330.	2.2	-211.49	373.69	321.	4.0	.5422	198
20	340.	2.3	-155.03	428.57	342.	4.0	.5784	197
21	345.	2.2	-110.72	424.44	352.	4.0	.5024	195
22	347.	2.4	-99.50	442.03	359.	5.0	.4898	185
23	351.	2.4	-76.40	463.39	3.	5.0	.4842	194
24	354.	2.2	-41.83	411.95	5.	4.0	.5392	192



DIURNAL WIND ANALYSIS

FOR: CON EDISON

I P 4

125 FT

WINTER

Y-8162

OCT 01, 1973 - APR 30, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	339.	3.8	-246.73	656.70	351.	8.0	.4740	185
2	340.	4.1	-257.16	701.25	343.	7.0	.5799	184
3	341.	4.2	-251.66	743.33	346.	7.0	.6060	185
4	345.	4.1	-195.22	740.98	350.	7.0	.5792	189
5	347.	4.2	-170.70	759.61	354.	8.0	.5261	185
6	346.	4.5	-198.52	791.38	348.	8.0	.5635	181
7	345.	4.3	-201.11	750.73	346.	8.0	.5338	182
8	346.	4.3	-191.52	754.54	348.	8.0	.5347	182
9	342.	4.3	-249.39	746.68	344.	8.0	.5407	182
10	335.	4.5	-355.56	763.19	335.	8.0	.5598	186
11	326.	4.2	-439.11	655.16	328.	9.0	.4612	190
12	321.	4.5	-523.98	664.01	325.	9.0	.5036	188
13	319.	4.8	-592.34	681.01	318.	10.0	.4801	188
14	315.	4.8	-635.10	628.21	314.	10.0	.4803	186
15	313.	4.5	-634.87	582.03	310.	10.0	.4509	191
16	308.	4.2	-638.59	497.53	305.	10.0	.4238	191
17	308.	3.7	-571.31	446.71	299.	10.0	.3738	194
18	308.	3.4	-527.10	413.63	305.	9.0	.3798	196
19	317.	3.4	-449.13	481.67	318.	9.0	.3831	191
20	323.	3.5	-403.35	542.44	321.	9.0	.3871	194
21	331.	3.4	-323.72	572.60	325.	8.0	.4305	191
22	334.	3.7	-295.13	614.47	334.	8.0	.4581	186
23	333.	3.8	-319.98	637.94	335.	8.0	.4745	188
24	336.	3.5	-271.06	601.64	344.	8.0	.4319	191



DIURNAL WIND ANALYSIS

FOR: CON EDISON

I P 4

280 FT

WINTER

Y-8162

OCT 01, 1973 - APR 30, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	333.	4.1	-352.88	702.41	329.	9.0	.4597	190
2	332.	4.5	-397.92	752.54	327.	9.0	.4978	190
3	333.	4.9	-420.72	831.38	335.	9.0	.5449	190
4	337.	4.8	-359.47	830.10	336.	9.0	.5346	188
5	340.	4.9	-314.91	862.88	338.	9.0	.5400	189
6	337.	4.9	-361.32	856.69	330.	9.0	.5456	189
7	339.	5.0	-329.83	872.32	338.	10.0	.4961	188
8	340.	4.7	-299.90	839.62	336.	10.0	.4668	191
9	342.	4.6	-266.33	826.55	344.	10.0	.4644	187
10	337.	4.6	-346.83	821.45	348.	10.0	.4644	192
11	329.	4.7	-468.05	766.68	328.	10.0	.4678	192
12	324.	5.2	-583.92	799.45	322.	11.0	.4712	191
13	321.	5.5	-664.69	810.23	317.	11.0	.4962	192
14	317.	5.6	-729.77	794.72	314.	11.0	.5135	191
15	317.	5.5	-724.58	782.06	310.	12.0	.4556	195
16	312.	5.2	-763.97	685.44	305.	12.0	.4342	197
17	309.	4.6	-696.02	570.77	300.	12.0	.3808	197
18	304.	4.3	-699.66	474.78	297.	12.0	.3577	197
19	310.	4.3	-641.44	539.67	302.	11.0	.3948	193
20	316.	4.4	-596.13	627.65	307.	10.0	.4439	195
21	321.	4.1	-503.29	623.88	312.	10.0	.4068	198
22	324.	4.2	-482.26	668.66	310.	10.0	.4228	195
23	326.	4.3	-464.93	689.42	314.	10.0	.4331	192
24	330.	4.2	-403.12	692.97	327.	9.0	.4639	192

DIURNAL WIND ANALYSIS

Y-8162

FOR: CON EDISON
I P 4 400 FT WINTER

OCT 01, 1973 - APR 30, 1974

HOUR	RESULTANT WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM		
1	327.	4.7	-496.40	761.09	.4665	195
2	328.	4.8	-496.97	798.83	.4816	195
3	329.	4.9	-491.12	817.00	.4939	193
4	334.	5.0	-423.33	870.03	.4983	194
5	335.	5.1	-416.52	884.27	.5065	193
6	336.	5.1	-398.52	895.74	.5107	192
7	339.	4.8	-323.50	842.82	.4751	190
8	340.	5.1	-333.93	913.22	.5145	189
9	337.	4.9	-364.48	856.84	.4432	191
10	336.	5.0	-366.27	886.53	.4508	195
11	325.	5.2	-573.32	832.85	.4366	193
12	320.	5.8	-728.12	678.80	.4803	196
13	319.	5.8	-728.98	839.47	.4801	193
14	316.	6.1	-810.91	850.80	.4709	192
15	313.	5.5	-782.16	733.99	.4253	194
16	306.	5.4	-852.48	626.05	.4151	196
17	307.	5.0	-794.05	591.54	.3847	198
18	303.	4.8	-796.93	511.56	.3601	199
19	308.	5.0	-776.04	603.63	.4159	197
20	313.	4.8	-679.45	624.10	.3963	194
21	315.	4.7	-643.16	653.97	.4233	197
22	319.	5.0	-649.02	738.89	.4501	196
23	321.	4.9	-596.23	747.96	.4459	195
24	321.	4.5	-550.12	687.05	.4463	197



DIURNAL WIND ANALYSIS

FOR: CON EDISON

I P 4

33 FT

SUMMER

Y-8162

MAY 01, 1974 - AUG 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	51.	1.6	132.93	109.43	64.	2.0	.7756	111
2	54.	1.5	130.49	93.53	67.	2.0	.7297	110
3	50.	1.8	153.19	130.59	65.	3.0	.6156	109
4	42.	1.7	124.76	137.29	55.	3.0	.5571	111
5	48.	1.7	135.51	121.63	70.	3.0	.5726	106
6	50.	1.7	136.54	115.38	67.	3.0	.5729	104
7	42.	1.4	95.06	107.21	68.	3.0	.4506	106
8	17.	.8	26.04	85.23	21.	3.0	.2829	105
9	337.	.8	-31.29	73.34	300.	3.0	.2531	105
10	293.	.8	-81.16	35.24	273.	3.0	.2633	112
11	258.	.9	-95.14	-20.16	239.	4.0	.2171	112
12	246.	1.4	-143.78	-63.79	237.	4.0	.3480	113
13	246.	1.9	-195.60	-88.59	236.	4.0	.4709	114
14	246.	1.7	-169.46	-74.55	235.	4.0	.4132	112
15	233.	1.9	-168.07	-128.94	226.	4.0	.4645	114
16	228.	1.7	-152.35	-136.24	224.	4.0	.4367	117
17	230.	1.6	-141.34	-118.69	223.	4.0	.4012	115
18	226.	1.1	-92.96	-89.25	217.	3.0	.3703	116
19	232.	.6	-56.24	-44.06	203.	3.0	.2071	115
20	290.	.1	-10.79	3.94	187.	2.0	.0495	116
21	49.	.6	42.99	37.64	105.	2.0	.2857	100
22	49.	.5	43.47	38.45	96.	2.0	.2738	106
23	55.	.8	70.31	49.83	81.	2.0	.3813	113
24	45.	1.1	87.46	88.61	60.	2.0	.5659	110



DIURNAL WIND ANALYSIS

FOR: CON EDISON

Y-8162

I P 4 125 FT SUMMER

MAY 01, 1974 - AUG 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	- VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	33.	2.0	128.83	195.49	37.	5.0	.3902	120
2	43.	1.7	139.96	150.47	49.	5.0	.3454	119
3	36.	2.3	160.39	224.06	49.	5.0	.4631	119
4	22.	2.4	106.37	265.16	36.	5.0	.4884	117
5	36.	2.5	173.53	241.75	48.	5.0	.5087	117
6	34.	2.4	158.72	232.49	51.	5.0	.4771	118
7	29.	2.0	109.73	196.37	64.	5.0	.3912	115
8	11.	1.4	32.24	164.13	51.	5.0	.2659	117
9	339.	1.5	-62.38	163.89	321.	5.0	.2923	120
10	307.	1.1	-109.99	82.03	278.	5.0	.2268	121
11	260.	1.0	-121.61	-20.98	230.	6.0	.1714	120
12	235.	1.7	-164.03	-114.18	229.	7.0	.2379	120
13	239.	2.1	-217.16	-132.76	230.	7.0	.2980	122
14	241.	2.2	-232.63	-131.47	232.	8.0	.2760	121
15	221.	2.6	-208.41	-236.29	220.	8.0	.3310	119
16	217.	2.8	-206.74	-275.66	223.	8.0	.3530	122
17	215.	2.6	-182.90	-261.45	218.	8.0	.3296	121
18	212.	2.1	-136.52	-222.17	215.	7.0	.3029	123
19	216.	1.5	-105.30	-146.82	206.	6.0	.2489	121
20	260.	.6	-67.56	-12.10	226.	6.0	.0945	121
21	57.	.2	23.33	15.40	123.	5.0	.0491	114
22	350.	.7	-14.01	83.19	32.	5.0	.1406	120
23	11.	1.2	27.26	140.40	28.	5.0	.2467	115
24	19.	1.5	59.27	170.10	34.	5.0	.3002	120



DIURNAL WIND ANALYSIS

FOR: CON EDISON

I P 4

280 FT

SUMMER

Y-8162

MAY 01, 1974 - AUG 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	8.	1.2	20.34	144.10	18.	6.0	.2006	121
2	29.	1.0	60.41	109.90	57.	6.0	.1727	121
3	24.	1.6	73.00	167.68	63.	6.0	.2628	116
4	6.	1.9	22.16	223.41	33.	6.0	.3198	117
5	24.	2.0	97.20	221.19	37.	6.0	.3384	119
6	22.	2.1	91.66	232.50	34.	6.0	.3471	120
7	23.	2.0	89.72	215.48	64.	6.0	.3354	116
8	16.	2.2	72.57	255.05	98.	6.0	.3745	118
9	356.	2.1	416.46	243.32	115.	7.0	.2953	118
10	332.	1.4	-80.52	152.99	244.	7.0	.2058	120
11	272.	1.1	-127.65	3.35	215.	8.0	.1330	120
12	240.	1.8	-185.01	-108.85	224.	8.0	.2199	122
13	250.	2.6	-294.70	-106.02	227.	9.0	.2900	120
14	247.	2.8	-304.85	-128.52	228.	10.0	.2757	120
15	231.	3.3	-305.60	-243.14	227.	10.0	.3310	118
16	225.	3.6	-303.02	-304.77	225.	11.0	.3229	121
17	224.	3.8	-326.64	-333.46	225.	10.0	.3826	122
18	222.	3.6	-290.20	-324.67	222.	10.0	.3569	122
19	217.	2.6	-189.10	-250.14	210.	9.0	.2880	121
20	263.	1.7	-195.05	-24.87	229.	9.0	.1867	117
21	282.	.9	-108.38	22.68	226.	8.0	.1163	119
22	265.	1.2	-143.37	-13.11	245.	6.0	.2000	120
23	310.	1.0	-87.16	73.77	272.	6.0	.1599	119
24	337.	1.5	-68.51	163.30	289.	6.0	.2459	120



DIURNAL WIND ANALYSIS

FOR: CON EDISON

I P 4

400 FT

SUMMER

Y-8162

MAY 01, 1974 - AUG 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	351.	1.3	-23.10	144.58	292.	7.0	.1835	114
2	8.	1.0	15.78	112.41	320.	7.0	.1423	114
3	7.	1.5	22.41	173.06	10.	7.0	.2168	115
4	355.	2.0	-19.16	223.95	354.	7.0	.2893	111
5	4.	2.0	14.32	223.50	354.	7.0	.2909	110
6	7.	2.3	29.83	245.83	345.	7.0	.3245	109
7	11.	2.1	43.62	224.67	28.	7.0	.3000	109
8	12.	1.9	41.67	204.59	67.	7.0	.2736	109
9	350.	1.6	-29.86	172.31	202.	7.0	.2251	111
10	317.	1.1	-88.48	93.78	221.	7.0	.1588	116
11	260.	1.5	-166.96	-28.46	225.	8.0	.1841	115
12	241.	2.4	-243.99	-134.15	227.	9.0	.2690	115
13	248.	2.9	-309.47	-124.46	230.	9.0	.3195	116
14	246.	3.3	-351.15	-154.45	232.	10.0	.3336	115
15	233.	4.1	-360.14	-275.60	229.	11.0	.3714	111
16	221.	4.5	-344.03	-391.10	222.	11.0	.4047	117
17	223.	4.4	-349.47	-373.70	223.	11.0	.4010	116
18	222.	4.3	-339.69	-371.07	226.	11.0	.3943	116
19	233.	3.6	-327.89	-247.02	221.	10.0	.3601	114
20	248.	2.8	-297.42	-119.04	234.	9.0	.3122	114
21	259.	2.0	-222.35	-44.48	245.	8.0	.2508	113
22	277.	2.1	-234.44	28.56	251.	7.0	.3012	112
23	297.	1.5	-152.53	77.46	240.	8.0	.1927	111
24	317.	1.6	-122.34	133.05	283.	8.0	.2035	111



DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 033 FT

Y-8162

OCT 01, 1973 - OCT 31, 1973

HOUR	RESULTANT		WINDS		MEAN WIND		PL SIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	34.	2.1	31.49	47.17	44.	3.0	.7002	27
2	36.	2.1	36.17	50.02	46.	3.0	.7095	29
3	37.	2.1	35.85	48.06	44.	3.0	.6892	29
4	50.	1.9	41.98	35.35	55.	3.0	.6309	29
5	57.	2.1	51.81	33.46	70.	3.0	.7089	29
6	47.	2.0	43.13	39.93	60.	3.0	.6757	29
7	48.	2.0	43.15	38.47	65.	3.0	.6645	29
8	46.	1.3	27.58	26.77	68.	3.0	.4417	29
9	19.	1.3	12.50	35.86	22.	3.0	.4365	29
10	351.	1.3	-5.87	38.33	352.	3.0	.4457	29
11	354.	1.8	-5.50	48.98	349.	4.0	.4401	28
12	332.	1.9	-24.31	46.65	328.	4.0	.4697	28
13	334.	1.8	-22.60	46.38	324.	4.0	.4607	28
14	313.	1.4	-28.95	26.76	293.	4.0	.3399	29
15	300.	1.4	-34.97	20.20	287.	4.0	.3431	29
16	321.	.9	-16.27	20.22	265.	4.0	.2238	29
17	12.	.5	2.99	14.28	262.	3.0	.1677	29
18	18.	.6	5.38	16.54	318.	3.0	.2000	29
19	19.	1.1	10.53	29.95	34.	3.0	.3649	29
20	19.	1.4	12.91	38.53	31.	3.0	.4670	29
21	26.	1.9	24.45	50.46	37.	3.0	.6445	29
22	23.	2.2	25.07	57.82	33.	4.0	.5432	29
23	32.	2.5	37.89	60.30	40.	4.0	.6139	29
24	33.	2.3	33.99	52.62	34.	4.0	.5801	27



DIURNAL WIND ANALYSIS

 FOR: CON EDISON
 I P 4 033 FT

Y-8162

NOV 01, 1973 - NOV 30, 1973

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	314.	2.3	-47.96	46.28	306.	5.0	.4597	29
2	313.	2.2	-47.44	43.85	304.	5.0	.4455	29
3	329.	2.9	-42.16	71.11	332.	5.0	.5701	29
4	327.	2.6	-41.28	64.34	340.	5.0	.5272	29
5	319.	2.2	-42.14	49.34	317.	6.0	.3729	29
6	331.	2.1	-29.27	52.59	343.	5.0	.4151	29
7	321.	2.3	-40.65	50.98	310.	6.0	.3831	28
8	323.	2.6	-45.03	60.21	319.	6.0	.4323	29
9	314.	3.1	-64.39	61.98	306.	6.0	.5136	29
10	313.	2.8	-58.92	54.78	290.	5.0	.5548	29
11	307.	4.1	-95.85	71.76	286.	6.0	.6881	29
12	306.	4.0	-94.05	67.59	290.	6.0	.6056	29
13	302.	4.3	-106.39	60.97	291.	6.0	.7225	29
14	304.	4.2	-98.58	65.71	299.	6.0	.7052	28
15	301.	4.0	-99.89	60.10	293.	6.0	.6700	29
16	301.	4.3	-109.99	67.37	301.	6.0	.7166	30
17	306.	3.7	-89.92	65.53	286.	6.0	.6182	30
18	312.	2.9	-63.61	57.90	281.	5.0	.5734	30
19	304.	3.1	-78.07	52.13	287.	5.0	.6259	30
20	306.	2.7	-66.76	48.29	300.	5.0	.5493	30
21	310.	2.6	-59.61	50.18	290.	6.0	.4329	30
22	311.	3.2	-71.77	63.17	315.	6.0	.5312	30
23	300.	2.8	-73.12	42.26	314.	6.0	.4692	30
24	301.	1.9	-48.77	29.50	298.	5.0	.3800	30



DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 033 FT

Y-8162

DEC 01, 1973 - DEC 31, 1973

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	6.	3.3	9.86	90.92	16.	5.0	.6533	28
2	10.	3.5	15.71	90.48	11.	6.0	.5887	26
3	4.	3.8	6.75	94.05	11.	6.0	.6236	25
4	358.	3.4	-2.62	97.20	10.	5.0	.6706	29
5	2.	3.5	4.03	97.30	18.	5.0	.6956	28
6	1.	3.7	1.47	102.34	9.	5.0	.7311	28
7	2.	3.6	3.97	97.63	8.	6.0	.5031	27
8	3.	3.6	4.77	104.69	6.	6.0	.6023	29
9	7.	4.0	13.08	114.07	15.	6.0	.6599	29
10	351.	4.4	-19.15	127.50	353.	6.0	.7410	29
11	350.	3.6	-18.21	98.27	341.	6.0	.5949	28
12	350.	4.2	-19.38	107.71	346.	5.0	.8418	26
13	341.	4.3	-38.38	112.68	341.	5.0	.3502	28
14	343.	4.1	-32.07	106.26	343.	6.0	.6852	27
15	342.	3.5	-29.75	94.11	342.	6.0	.5875	28
16	341.	2.9	-26.53	79.21	345.	5.0	.5761	29
17	331.	2.9	-31.53	69.12	329.	6.0	.4035	27
18	352.	2.0	-9.49	68.60	2.	5.0	.5130	27
19	2.	2.1	2.36	57.32	12.	5.0	.4250	27
20	357.	2.3	-3.17	61.95	351.	4.0	.5744	27
21	16.	1.9	14.35	50.57	8.	5.0	.3894	27
22	19.	1.9	15.92	47.52	34.	5.0	.3855	26
23	2.	1.8	1.32	49.95	25.	5.0	.3569	28
24	1.	1.8	1.05	48.87	17.	4.0	.4526	27



DIURNAL WIND ANALYSIS

 FOR: CON EDISON
 I P 4 33 FT

Y-8162

JAN 01, 1974 - JAN 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	358.	2.5	-2.31	63.60	15.	4.0	.6365	25
2	2.	1.9	1.40	46.69	14.	3.0	.6229	25
3	0.	2.3	.08	53.89	341.	3.0	.7310	23*
4	10.	2.3	8.21	44.63	21.	3.0	.7563	20*
5	5.	2.5	5.31	61.28	7.	3.0	.8201	25
6	349.	2.3	-10.68	55.26	345.	3.0	.7504	25
7	10.	2.2	10.13	57.28	7.	3.0	.7458	26
8	4.	1.9	3.14	45.81	15.	3.0	.6377	24*
9	3.	2.3	2.81	51.10	7.	3.0	.7753	22*
10	1.	2.5	.58	55.25	358.	3.0	.8372	22*
11	352.	2.5	-8.79	63.53	339.	3.0	.8222	26
12	345.	2.0	-12.59	46.35	336.	4.0	.5003	24*
13	342.	2.4	-17.21	54.15	339.	4.0	.5918	24*
14	327.	2.2	-29.69	46.06	321.	4.0	.5480	25
15	317.	2.0	-34.96	37.12	308.	4.0	.4903	26
16	309.	1.8	-36.92	29.37	294.	3.0	.6048	26
17	311.	1.9	-36.41	31.44	294.	3.0	.6167	26
18	303.	1.6	-31.50	20.14	266.	3.0	.5194	24*
19	320.	1.5	-24.25	29.26	285.	3.0	.5067	25
20	343.	2.4	-16.52	54.09	359.	4.0	.5891	24*
21	344.	2.5	-15.99	54.64	347.	3.0	.8251	23*
22	352.	2.5	-8.05	57.74	19.	4.0	.6337	23*
23	350.	2.3	-9.71	52.68	0.	4.0	.5823	23*
24	355.	2.2	-4.64	55.73	6.	4.0	.5592	25

GLOBAL WIND ANALYSIS

Y-3162

PLOT: COM DISCO.
1 P 4 33 FF

FEB 01, 1974 - FEB 26, 1974

LOCAL	ABSOLUTE	WIND	SPD KPH	WINDS	WIND	DIR	SPD KPH	PERSIST	VALID HOURS
1		0.	5.5	.25	67.37	3.	5.0	.6939	25
2		7.	5.9	10.00	62.20	3.	5.0	.7720	23
3		9.	5.4	13.61	37.70	12.	5.0	.6327	26
4		7.	3.6	10.92	93.15	7.	5.0	.7265	25
5		10.	5.9	20.43	93.30	17.	5.0	.7372	25
6		10.	5.9	20.74	101.75	20.	5.0	.7334	27
7		9.	5.0	13.05	101.15	17.	5.0	.7534	27
8		11.	4.2	21.12	104.39	17.	5.0	.6492	26
9		337.	4.5	-5.37	115.90	359.	5.0	.9525	27
10		331.	4.8	-19.70	120.65	347.	5.0	.7277	24
11		343.	4.0	-30.13	107.31	345.	5.0	.6634	26
12		351.	5.0	-37.63	92.33	339.	7.0	.5697	25
13		320.	5.0	-33.90	91.32	320.	7.0	.5439	20
14		330.	5.7	-42.43	94.22	329.	5.0	.6151	24
15		347.	5.4	-20.67	95.37	342.	6.0	.5713	26
16		331.	5.4	-43.90	82.24	317.	5.0	.6774	20
17		341.	5.5	-32.22	92.34	323.	6.0	.5322	23
18		300.	4.9	-15.67	75.24	346.	5.0	.4895	26
19		342.	4.7	-43.39	71.25	342.	5.0	.5357	26
20		351.	5.1	-12.37	51.57	350.	5.0	.6111	27
21		353.	5.3	-5.71	82.97	357.	5.0	.6427	25
22		355.	5.2	-9.16	75.41	354.	5.0	.6330	24
23		0.	5.6	10.25	101.62	9.	5.0	.7221	24
24		349.	5.4	-5.13	91.24	350.	5.0	.6735	27

DIURNAL WIND ANALYSIS

Y-8162

FOR: CON EDISON
I P 4 33 FT

MAR 01, 1974 - MAR 31, 1974

HOUR	RESULTANT WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM		
1	350.	3.0	-14.63	79.34	.7516	27
2	342.	3.1	-26.13	76.94	.7699	27
3	350.	3.3	-16.12	80.16	.8293	27
4	346.	3.3	-19.14	92.55	.8147	29
5	340.	2.6	-26.09	70.32	.6460	29
6	342.	2.9	-25.29	79.41	.7184	29
7	343.	2.9	-21.00	67.47	.5839	24*
8	340.	3.0	-27.09	73.13	.5999	26
9	342.	3.3	-27.54	85.74	.8335	27
10	333.	3.3	-41.63	82.66	.6311	28
11	327.	3.4	-50.09	70.32	.6762	27
12	324.	3.8	-64.20	69.15	.6314	29
13	325.	4.1	-65.57	95.04	.6373	26
14	329.	4.1	-55.57	92.30	.6900	26
15	326.	4.1	-60.82	97.26	.6329	28
16	320.	3.9	-72.46	89.97	.6462	29
17	320.	3.6	-60.67	90.37	.6070	30
18	325.	3.7	-65.76	92.43	.6101	31
19	337.	3.9	-43.66	103.36	.7735	29
20	339.	4.3	-40.69	124.39	.8516	31
21	335.	4.3	-46.65	120.77	.8630	30
22	345.	4.4	-30.51	114.47	.8776	27
23	345.	4.1	-33.99	109.60	.8190	28
24	351.	2.9	-12.25	81.06	.7320	26

DIGITAL ANALYSIS

Y-0162

POP: COB EOLCOB
1 P 4 33 FI

APR 01, 1974 - APR 30, 1974

NO.	REGULATORY		MILADS		MILAD		PERIST	VALID HOURS
	DLR	SPD LPH	CCO	ACCO	DLR	SPD APH		
1	355.	1.7	-4.05	49.29	335.	3.0	.5634	29
2	355.	2.0	-4.04	57.40	317.	3.0	.6614	29
3	355.	2.4	-5.52	61.95	7.	3.0	.7436	29
4	1.	2.4	1.26	65.16	354.	4.0	.6015	25
5	352.	2.9	-10.76	79.53	0.	4.0	.7156	28
6	353.	2.1	-6.55	57.33	347.	3.0	.6374	27
7	353.	2.4	-2.02	65.80	3.	4.0	.6095	27
8	351.	2.6	-11.54	74.13	331.	4.0	.6466	29
9	354.	2.2	-6.00	55.19	331.	4.0	.5416	27
10	353.	2.1	-14.62	55.54	311.	4.0	.5201	29
11	327.	1.9	-24.51	52.15	299.	5.0	.3724	29
12	340.	2.3	-42.50	55.12	291.	5.0	.4624	28
13	322.	2.6	-36.65	61.31	312.	5.0	.4255	28
14	353.	2.7	-62.82	40.41	314.	6.0	.4446	28
15	355.	2.6	-63.26	40.76	294.	6.0	.4325	29
16	290.	2.6	-70.76	34.03	272.	6.0	.4352	30
17	296.	3.0	-70.54	41.57	275.	6.0	.4934	30
18	300.	2.5	-65.46	37.36	200.	5.0	.4201	30
19	292.	2.1	-55.50	30.41	203.	5.0	.4190	30
20	314.	1.0	-20.42	19.76	225.	4.0	.2450	29
21	314.	1.7	-15.50	16.84	200.	4.0	.1791	30
22	321.	1.5	-21.95	25.90	252.	4.0	.3209	26
23	357.	1.7	-9.05	47.15	209.	4.0	.4209	29
24	357.	1.5	-3.10	52.83	355.	4.0	.4734	25

JOURNAL AND ANALYSIS

Y-3152

PC-9000 DISC 33.14
I P 4

MAY 01, 1974 - MAY 31, 1974

LOG#	ADJUSTMENT		MILES		VELOC		MHA. MTD		PERSIST	VALID HOURS
	DIR	SPD MPH	COG	CLAS	VELOC	VELOC	DIR	SPD MPH		
1	2.0	1.0	21.36		40.27		44.	3.0	52.41	29
2	5.0	1.2	20.01		26.02		53.	2.0	5930	29
3	5.1	1.3	20.34		33.24		65.	2.0	7334	27
4	4.0	1.0	13.45		37.70		45.	2.0	71.46	26
5	2.3	1.1	11.21		26.73		74.	2.0	5376	27
6	4.5	1.5	13.01		31.33		61.	3.0	4923	23.5
7	4.	1.0	2.91		46.99		51.	3.0	5.411	29
8	5.3	1.0	-21.21		41.33		312.	3.0	5933	26
9	317.	1.0	-36.40		39.12		300.	4.0	4506	29
10	296.	1.7	-45.27		21.67		231.	4.0	4132	30
11	35.	1.5	-40.30		-1.53		255.	3.0	3066	30
12	200.	2.0	-53.53		-9.29		242.	4.0	4739	26
13	300.	2.3	-57.55		-11.63		243.	5.0	4572	30
14	210.	1.2	-33.59		2.66		221.	5.0	2407	20
15	230.	1.4	-33.14		-20.54		209.	4.0	3610	27
16	252.	1.1	-27.35		-21.75		219.	4.0	2313	31
17	232.	1.1	-24.21		-24.59		205.	4.0	2672	31
18	237.	0.9	-23.03		-10.53		211.	4.0	2329	29
19	300.	1.2	-20.03		22.03		203.	3.0	5965	30
20	317.	0.7	-14.54		15.71		106.	3.0	2301	31
21	300.	0.0	-5.54		14.77		57.	3.0	1376	28
22	520.	0.0	-0.32		13.40		92.	2.0	3174	29
23	40.	0.7	9.54		17.50		150.	2.0	3420	29
24	10.	0.	9.19		25.75		51.	2.0	5.557	30



DIURNAL WIND ANALYSIS

Y-3162

FOR: CON EDISON
I P 4 33 FT

JUN 01, 1974 - JUN 30, 1974

HOUR	RESULTANT WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM		
1	53.	1.4	29.29	18.16	.7179	24
2	56.	1.9	38.06	26.10	.9614	24
3	47.	2.1	40.47	37.76	*****	26
4	48.	1.5	28.04	29.09	.7526	25
5	53.	2.1	43.13	32.98	*****	26
6	57.	1.5	33.14	21.13	.7563	26
7	70.	1.1	20.85	7.46	.3515	21*
8	141.	.3	4.75	-5.87	.0968	26
9	204.	.3	-2.35	-6.28	.1000	23*
10	213.	.0	-3.24	-12.73	.1333	27
11	215.	.9	-12.67	-17.93	.2236	24
12	219.	1.7	-26.67	-33.03	.4250	25
13	213.	2.1	-25.69	-44.67	.5320	25
14	207.	2.0	-33.90	-65.45	.7077	26
15	209.	2.0	-30.29	-67.71	.6945	26
16	192.	2.0	-24.96	-71.25	.6990	27
17	203.	2.5	-22.65	-52.29	.6194	23*
18	193.	1.5	-8.79	-30.64	.4393	27
19	176.	1.7	2.54	-37.50	.4640	27
20	173.	.7	2.32	-13.99	.3679	26
21	103.	.5	9.22	-2.67	.2235	21*
22	95.	.5	11.10	-50	.4562	24
23	70.	.0	10.03	7.00	.3664	26
24	63.	.9	17.90	14.23	.5437	23*



DIURNAL WIND ANALYSIS

 FOR: CON EDISON
 I P 4 33 FT

Y-8162

JUL 01, 1974 - JUL 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	58.	1.8	41.55	25.84	80.	3.0	.6041	27
2	52.	1.4	28.94	22.83	81.	2.0	.6826	27
3	49.	1.6	34.07	30.12	66.	3.0	.5414	28
4	33.	2.1	31.34	48.36	32.	3.0	.6860	28
5	40.	2.1	36.57	43.76	59.	3.0	.7040	27
6	47.	1.9	37.11	34.65	57.	3.0	.6268	27
7	42.	1.5	27.80	30.78	51.	3.0	.5121	27
8	26.	1.4	16.08	32.78	38.	3.0	.4681	26
9	16.	1.0	6.90	24.24	62.	3.0	.3232	26
10	329.	.9	-11.88	19.53	281.	3.0	.2930	26
11	319.	.7	-12.59	14.52	249.	3.0	.2209	29
12	279.	.9	-27.54	4.55	266.	4.0	.2326	30
13	259.	1.6	-43.52	-8.65	252.	4.0	.3962	28
14	271.	2.0	-58.70	.93	262.	4.0	.5061	29
15	256.	1.9	-50.98	-13.04	254.	4.0	.4699	28
16	258.	1.9	-53.39	-11.41	262.	4.0	.4706	29
17	256.	1.7	-49.10	-12.20	254.	4.0	.4216	30
18	248.	1.3	-36.98	-14.65	252.	3.0	.4420	30
19	245.	.7	-19.33	-8.81	246.	2.0	.3663	29
20	296.	.3	-7.62	3.71	271.	2.0	.1461	29
21	61.	.8	18.18	10.24	97.	2.0	.3864	27
22	25.	.5	5.26	11.25	69.	3.0	.1656	25
23	62.	.6	14.06	7.60	112.	2.0	.2756	29
24	44.	1.4	27.30	28.22	45.	2.0	.7011	28



DIURNAL WIND ANALYSIS

FOR: CON EDISON

I P 4

33 FT

Y-8162

AUG 01, 1974 - AUG 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	58.	1.5	40.72	25.16	63.	2.0	.7720	31
2	69.	1.6	43.48	16.58	76.	3.0	.5171	30
3	61.	2.1	52.31	29.45	77.	3.0	.7147	28
4	63.	1.9	51.93	26.14	75.	3.0	.6460	30
5	68.	1.9	44.60	18.12	82.	3.0	.6172	26
6	62.	2.2	53.29	28.17	72.	3.0	.7175	28
7	63.	1.7	43.49	21.98	69.	3.0	.5601	29
8	58.	1.2	26.49	16.79	56.	3.0	.3872	27
9	4.	.6	1.06	16.26	347.	3.0	.2011	27
10	294.	.6	-15.78	6.87	330.	3.0	.1978	29
11	238.	1.0	-23.92	-15.12	238.	3.0	.3253	29
12	233.	1.5	-35.04	-25.97	233.	4.0	.3634	30
13	247.	1.9	-55.63	-23.44	243.	4.0	.4868	31
14	254.	1.6	-43.27	-12.68	252.	4.0	.3887	29
15	239.	1.7	-45.66	-27.65	245.	3.0	.5740	31
16	236.	1.9	-46.65	-31.84	235.	4.0	.4706	30
17	238.	1.8	-47.38	-29.61	236.	3.0	.6008	31
18	221.	1.1	-22.30	-25.43	221.	3.0	.3758	30
19	210.	.8	-11.42	-19.83	209.	2.0	.3946	29
20	69.	.3	9.05	3.51	152.	2.0	.1617	30
21	54.	1.1	21.13	15.31	87.	2.0	.5435	24★
22	71.	1.0	27.55	9.30	81.	2.0	.5192	28
23	58.	1.1	28.07	17.73	56.	2.0	.5725	29
24	60.	1.4	36.01	20.42	65.	2.0	.7137	29



DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 125 FT

Y-8162

OCT 01, 1973 - OCT 31, 1973

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	12.	3.3	14.04	64.01	37.	7.0	.4681	20*
2	15.	4.3	22.27	83.29	24.	6.0	.7184	20*
3	8.	3.8	11.38	76.15	26.	7.0	.5499	20*
4	15.	3.9	20.31	75.78	23.	7.0	.5604	20*
5	29.	3.6	34.81	62.54	37.	7.0	.5113	20*
6	26.	4.3	37.04	76.61	34.	8.0	.5319	20*
7	23.	3.9	28.75	66.58	34.	9.0	.4349	19*
8	21.	3.2	21.48	57.17	29.	8.0	.4018	19*
9	4.	2.7	3.45	50.53	19.	7.0	.3808	19*
10	349.	2.1	-8.39	41.61	1.	7.0	.3032	20*
11	350.	2.3	-8.27	44.80	358.	8.0	.2847	20*
12	330.	2.5	-25.99	45.22	334.	8.0	.3104	21*
13	334.	2.7	-24.92	50.57	329.	7.0	.3835	21*
14	297.	2.0	-38.00	19.77	281.	7.0	.2914	21*
15	305.	2.5	-46.35	32.27	284.	8.0	.3069	23*
16	302.	1.0	-19.60	12.33	234.	8.0	.1259	23*
17	148.	1.9	22.38	-35.50	158.	9.0	.2119	22*
18	240.	.8	-14.89	-8.73	251.	8.0	.0938	23*
19	8.	1.2	3.67	26.80	23.	9.0	.1366	22*
20	344.	1.8	-11.76	39.72	355.	8.0	.2252	23*
21	351.	2.8	-9.58	61.92	1.	8.0	.3560	22*
22	353.	2.9	-7.87	61.39	358.	9.0	.3275	21*
23	8.	3.9	11.43	76.87	16.	8.0	.4857	20*
24	24.	3.1	27.12	59.91	33.	7.0	.4474	21*



DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 125 FT

Y-8162

NOV 01, 1973 - NOV 30, 1973

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	311.	3.8	-15.34	74.44	298.	9.0	.4194	30
2	310.	4.2	-97.26	80.82	308.	9.0	.4683	30
3	319.	4.2	-81.47	95.17	307.	9.0	.4640	30
4	324.	4.1	-71.92	99.73	327.	9.0	.4554	30
5	322.	4.1	-75.79	95.36	315.	9.0	.4512	30
6	324.	4.1	-73.02	99.73	302.	10.0	.4120	30
7	318.	4.1	-81.90	91.66	298.	10.0	.4097	30
8	319.	3.8	-73.97	85.02	292.	10.0	.3756	30
9	313.	4.5	-98.43	90.50	285.	10.0	.4457	30
10	311.	5.6	-126.81	112.02	294.	10.0	.5640	30
11	293.	5.5	-151.02	65.13	281.	11.0	.4984	30
12	291.	6.3	-175.35	68.38	288.	10.0	.6274	30
13	295.	6.7	-181.76	86.00	285.	12.0	.5585	30
14	296.	7.3	-190.92	91.71	293.	11.0	.6640	29
15	292.	7.0	-193.54	78.59	287.	11.0	.6330	30
16	295.	6.6	-178.55	84.87	292.	10.0	.6590	30
17	292.	6.2	-172.82	68.19	282.	10.0	.6193	30
18	286.	4.6	-133.00	38.06	272.	10.0	.4611	30
19	287.	4.1	-119.01	36.44	276.	11.0	.3772	30
20	293.	4.3	-117.88	49.66	286.	11.0	.3876	30
21	303.	3.8	-95.84	63.04	290.	11.0	.3476	30
22	319.	4.9	-97.81	110.71	317.	11.0	.4477	30
23	307.	4.1	-98.19	73.83	305.	11.0	.3723	30
24	300.	3.6	-94.42	54.73	297.	8.0	.4547	30



DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 125 FT

Y-8162

DEC 01, 1973 - DEC 31, 1973

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	339.	3.8	+40.71	105.61	351.	8.0	.4716	30
2	342.	4.8	-39.22	122.55	343.	8.0	.5957	27
3	336.	4.8	-56.28	127.46	338.	8.0	.6006	29
4	338.	4.6	-53.63	132.51	345.	8.0	.5764	31
5	344.	5.2	-41.30	145.57	349.	9.0	.5798	29
6	346.	6.2	-40.04	162.45	352.	10.0	.6197	27
7	348.	5.6	-34.90	158.94	348.	9.0	.6235	29
8	344.	5.6	-47.30	160.89	347.	9.0	.6211	30
9	345.	5.8	-43.87	161.02	351.	9.0	.6394	29
10	343.	6.5	-57.91	186.41	341.	9.0	.7230	30
11	335.	6.0	-73.42	156.46	334.	9.0	.6622	29
12	335.	6.5	-74.14	159.92	334.	9.0	.7254	27
13	329.	6.1	-87.81	147.85	329.	9.0	.6824	28
14	334.	6.2	-72.22	150.14	343.	9.0	.6856	27
15	331.	5.5	-73.05	134.15	339.	10.0	.5455	28
16	336.	4.8	-56.82	127.68	344.	9.0	.5355	29
17	329.	4.4	-68.58	113.69	340.	9.0	.4917	30
18	332.	3.9	-55.31	105.99	353.	9.0	.4285	31
19	337.	4.4	-47.56	114.78	351.	9.0	.4931	28
20	329.	3.2	-47.64	79.69	337.	8.0	.4002	29
21	342.	3.6	-30.00	93.42	346.	9.0	.4038	27
22	347.	2.6	-17.25	77.21	346.	8.0	.3190	31
23	325.	3.1	-53.23	76.18	328.	8.0	.3872	30
24	331.	3.2	-44.90	79.57	340.	8.0	.3938	29



DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 125 FT

Y-8.62

JAN 01, 1974 - JAN 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	342.	4.1	-27.36	85.85	356.	6.0	.6826	22*
2	340.	3.5	-29.05	79.00	329.	5.0	.7014	24*
3	344.	3.8	-26.43	92.00	352.	5.0	.7658	25
4	345.	2.9	-18.54	70.16	348.	5.0	.5806	25
5	354.	3.4	-8.20	84.32	7.	5.0	.6778	25
6	341.	3.6	-29.12	84.13	331.	6.0	.5935	25
7	357.	3.8	-5.25	91.06	347.	5.0	.7601	24*
8	345.	3.1	-19.05	71.38	346.	5.0	.6156	24*
9	344.	2.8	-18.29	64.35	355.	5.0	.5575	24*
10	351.	4.0	-14.25	95.10	0.	6.0	.6678	24*
11	344.	3.9	-28.78	102.49	335.	6.0	.6571	27
12	339.	3.0	-28.15	75.11	336.	6.0	.4951	27
13	334.	3.3	-36.07	73.50	327.	7.0	.4678	25
14	310.	3.3	-62.78	53.52	320.	7.0	.4714	25
15	312.	3.2	-62.46	55.49	308.	7.0	.4591	26
16	300.	2.9	-57.61	32.73	291.	7.0	.4116	23*
17	298.	3.0	-68.39	36.85	296.	6.0	.4980	26
18	296.	3.2	-72.57	34.62	290.	7.0	.4595	25
19	302.	2.9	-60.79	38.64	285.	6.0	.4302	25
20	340.	3.8	-32.56	90.24	340.	7.0	.5482	25
21	332.	3.4	-39.63	74.42	312.	6.0	.5621	25
22	340.	3.7	-31.60	86.33	340.	6.0	.6133	25
23	332.	3.3	-39.31	73.87	340.	6.0	.5573	25
24	334.	3.1	-33.89	68.94	353.	6.0	.5121	25

JOURNAL AND ANALYSIS

Y-3162

FOR: COI EDISON
I P 4 125 FT

FEB 01, 1974 - FEB 23, 1974

LOGS	REGULATORY AIDS		MEAS. AIDS		PERSIST	VALID LOGS
	DIR	SPD APR	DIR	SPD APR		
1	340.	5.6	0.	9.0	.7350	26
2	340.	6.1	350.	5.0	.7650	26
3	351.	5.9	355.	3.0	.7370	26
4	355.	5.7	1.	8.0	.7172	26
5	1.	5.8	0.	0.0	.0000	26
6	350.	6.0	357.	9.0	.7551	27
7	354.	6.1	353.	9.0	.7521	27
8	357.	7.2	357.	9.0	.0032	25
9	350.	7.1	351.	9.0	.7203	27
10	34	6.6	352.	9.0	.7301	26
11	353.	6.0	347.	11.0	.5766	27
12	355.	5.6	340.	11.0	.5248	27
13	320.	5.5	326.	11.0	.5025	26
14	335.	5.9	327.	11.0	.5337	28
15	345.	5.2	341.	11.0	.4735	27
16	325.	4.6	323.	10.0	.4322	27
17	330.	4.5	327.	11.0	.4340	26
18	345.	4.1	350.	10.0	.4125	26
19	357.	3.7	353.	9.0	.4113	26
20	340.	4.4	359.	9.0	.4078	26
21	340.	5.0	349.	9.0	.5553	26
22	341.	4.6	355.	7.0	.6320	27
23	345.	5.9	357.	9.0	.6574	27
24	347.	5.7	352.	9.0	.7074	26

DIURNAL WIND ANALYSIS

Y-8162

FOIA: COM EDISON
I P 4 125 FT

MAR 31, 1974 - MAR 31, 1974

HOUR	RESULTANT		LLWS		HEAD WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UComp	VComp	DIR	SPD MPH		
1	330.	4.3	-42.33	100.51	352.	7.0	.6076	27
2	331.	4.4	-53.01	96.92	335.	7.0	.6311	25
3	340.	4.7	-40.81	114.17	341.	7.0	.6602	26
4	337.	4.5	-43.91	111.67	341.	7.0	.6409	27
5	336.	3.7	-30.53	79.49	336.	7.0	.5254	24*
6	333.	4.5	-50.92	99.05	329.	7.0	.6365	25
7	332.	3.1	-47.56	61.97	325.	7.0	.4464	25
8	341.	4.1	-32.06	96.57	330.	7.0	.5345	25
9	343.	5.2	-30.13	123.66	351.	8.0	.6442	25
10	323.	4.0	-32.20	83.10	334.	9.0	.4435	26
11	321.	4.4	-74.05	95.92	333.	9.0	.7942	27
12	320.	5.2	-67.23	103.27	336.	10.0	.5217	26
13	317.	5.4	-99.96	115.11	321.	10.0	.5435	28
14	321.	5.7	-100.31	124.33	309.	10.0	.5719	26
15	317.	5.4	-102.00	109.91	315.	10.0	.5355	23
16	309.	5.6	-127.10	101.23	293.	10.0	.5635	29
17	315.	5.0	-100.43	93.72	295.	11.0	.4572	26
18	315.	5.1	-104.99	105.18	293.	11.0	.4659	29
19	333.	5.6	-75.50	142.37	326.	9.0	.6326	29
20	332.	6.4	-30.45	164.36	321.	9.0	.7132	29
21	330.	5.0	-73.56	144.46	325.	9.0	.6211	29
22	335.	6.3	-67.00	155.35	330.	9.0	.7094	26
23	332.	5.6	-70.09	133.03	331.	9.0	.6156	27
24	337.	4.7	-96.76	172.45	341.	7.0	.7025	29

JOURNAL WIND ANALYSIS

Y-8162

FOR: COM EOLSON
I P 4 125 FT

APR 01, 1974 - APR 30, 1974

ORDER	RESULTANT WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM		
1	332.	2.0	-27.45	52.03	.3268	30
2	339.	2.5	-26.61	70.60	.4191	30
3	337.	3.0	-32.15	75.17	.4326	27
4	353.	3.3	-11.45	91.01	.5460	28
5	336.	4.2	-45.24	113.14	.6002	29
6	337.	3.5	-36.12	85.02	.4936	27
7	337.	3.7	-40.30	96.87	.5353	28
8	344.	3.7	-50.06	102.77	.5275	29
9	341.	2.5	-25.09	67.44	.3182	28
10	323.	2.6	-41.97	66.15	.3264	30
11	315.	2.0	-41.31	41.90	.2192	30
12	312.	3.5	-77.71	70.03	.3437	30
13	314.	4.0	-79.33	77.23	.3596	28
14	294.	3.7	-94.99	42.40	.3377	28
15	280.	4.2	-115.19	37.50	.3796	29
16	265.	4.3	-123.94	32.13	.3330	30
17	267.	4.6	-133.05	40.97	.4219	30
18	263.	4.0	-116.31	26.99	.3970	30
19	261.	3.9	-110.09	20.45	.3831	29
20	272.	2.2	-65.58	2.55	.2735	30
21	270.	1.3	-38.64	-.02	.1840	30
22	272.	1.6	-46.31	1.30	.2547	26
23	342.	2.1	-37.17	47.96	.2979	29
24	331.	2.2	-31.71	53.40	.3164	30

Y-8162

DIURNAL WIND ANALYSIS

FOR: GULF LIDSON
1 P 4
125 FT

MAY 01, 1974 - MAY 31, 1974

MEAN WIND
DIR SPD MPH
PERIST
VALID HOURS

30	4000	0	0	60.05	9.27	2.0	9	1
29	2470	30	30	24.72	14.49	1.0	30	2
29	3758	45	45	50.72	19.92	1.9	21	3
28	4465	23	23	61.53	10.97	2.2	10	4
29	3055	46	46	50.32	10.04	1.0	15	5
28	3206	73	73	57.79	11.32	2.1	11	6
31	5301	40	40	12.16	.47	2.7	0	7
31	4491	32	32	77.67	-39.72	2.7	33	8
30	5307	313	313	75.49	-51.54	3.2	382	9
31	3193	305	305	39.63	-56.65	2.2	385	10
31	2743	273	273	5.24	-57.13	2.2	277	11
30	2549	226	226	-23.54	-56.47	2.0	247	12
31	2300	241	241	-12.95	-57.70	1	237	13
30	1759	154	154	-27.30	-54.07	1.0	455	14
28	1947	147	147	-41.25	-50.92	1.1	190	15
31	2230	100	100	-60.04	-50.06	2.2	107	16
29	2529	155	155	-72.22	-12.05	2.5	171	17
31	1915	176	176	-50.95	-6.93	1.9	177	18
30	1159	197	197	14.54	-27.72	1.0	297	19
30	1326	216	216	19.14	-20.29	.9	313	20
30	6964	99	99	19.49	-5.47	.7	344	21
30	2522	27	27	44.95	-4.35	1.5	352	22
30	2903	47	47	34.13	21.01	1.5	27	23
30	3452	37	37	50.05	13.37	1.7	15	24



YORK RESEARCH CORPORATION

STAMFORD, CONNECTICUT

SIXTH SEM. TOPIC

1901: Oct. 20: 101304-
I p 2 129 p1

JUL 01, 1974 - JUL 30, 1974

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DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 125 FT

Y-8162

JUL 01, 1974 - JUL 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	31.	2.0	32.53	54.06	42.	5.0	.4070	31
2	21.	1.5	16.41	42.62	90.	5.0	.3045	30
3	28.	2.2	30.61	57.05	53.	5.0	.4316	30
4	1.	3.4	1.83	100.87	21.	7.0	.4804	30
5	28.	2.9	39.79	73.71	48.	6.0	.4814	29
6	24.	2.4	29.20	64.48	34.	5.0	.4881	29
7	21.	1.9	18.39	48.31	53.	5.0	.3829	27
8	11.	2.1	11.52	59.49	33.	5.0	.4179	29
9	354.	2.2	-7.15	67.80	34.	5.0	.4398	31
10	324.	2.1	-35.39	47.96	288.	5.0	.4111	29
11	323.	1.3	-23.09	30.74	257.	6.0	.2136	30
12	295.	1.7	-46.31	21.14	290.	7.0	.2424	30
13	271.	2.0	-62.69	1.57	275.	7.0	.2890	31
14	285.	3.3	-99.98	27.15	282.	8.0	.4177	31
15	263.	2.9	-89.32	-11.53	266.	7.0	.4150	31
16	262.	3.4	-102.25	-13.85	271.	8.0	.4299	30
17	258.	3.2	-96.20	-20.27	265.	8.0	.3964	31
18	254.	2.4	-70.25	-20.37	258.	7.0	.3371	31
19	245.	2.0	-56.97	-26.13	248.	6.0	.3370	31
20	295.	1.6	-45.03	21.37	286.	6.0	.2680	31
21	347.	.8	-5.60	23.75	33.	6.0	.1402	29
22	308.	1.5	-37.80	29.39	312.	6.0	.2574	31
23	330.	2.3	-34.67	60.56	335.	6.0	.3877	30
24	360.	2.0	-.04	60.87	358.	6.0	.3381	30





DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 125 FT

Y-8162

AUG 01, 1974 - AUG 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	38.	2.1	40.35	52.03	37.	4.0	.5309	31
2	57.	1.3	46.13	29.91	58.	5.0	.3547	31
3	49.	2.5	57.14	49.94	53.	5.0	.5060	30
4	48.	2.2	49.41	44.18	54.	5.0	.4418	30
5	44.	2.5	52.48	54.92	44.	5.0	.5064	30
6	49.	3.0	69.30	60.62	53.	5.0	.5940	31
7	55.	2.2	56.48	40.25	58.	4.0	.5593	31
8	63.	1.2	30.89	16.03	66.	4.0	.3001	29
9	347.	.7	-5.03	2.04	358.	4.0	.1803	30
10	292.	1.0	-27.88	1.45	321.	5.0	.1945	31
11	232.	1.4	-33.25	-25.81	243.	5.0	.2806	30
12	218.	2.0	-39.30	-49.84	221.	5.0	.4095	31
13	241.	2.7	-73.00	-40.13	234.	7.0	.3839	31
14	243.	2.2	-59.35	-30.82	244.	7.0	.3184	30
15	233.	3.0	-71.82	-53.39	237.	7.0	.4261	30
16	239.	3.1	-82.56	-49.08	241.	7.0	.4426	31
17	232.	2.8	-69.43	-54.20	234.	6.0	.4735	31
18	220.	2.4	-48.81	-57.51	227.	6.0	.4056	31
19	214.	1.9	-33.55	-49.54	218.	5.0	.3860	31
20	311.	.2	-3.95	3.38	228.	4.0	.0419	31
21	116.	.7	18.12	-8.85	149.	4.0	.1867	27
22	43.	.7	14.62	15.56	50.	4.0	.1841	29
23	22.	1.2	12.91	32.32	27.	4.0	.3107	28
24	25.	1.6	20.15	43.65	29.	4.0	.4006	30



JOURNAL WIND ANALYSIS

FOR: CON EDISON

1 P 4 280 FT

7-9132

OCT 01, 1973 - OCT 31, 1973

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VAL ID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	14.	3.1	19.92	81.65	29.	7.0	.4447	27
2	15.	3.6	25.14	91.43	19.	7.0	.5210	26
3	355.	3.9	-8.71	100.85	2.	7.0	.5562	26
4	1.	3.6	.89	92.73	0.	7.0	.5095	26
5	27.	3.7	45.77	88.82	36.	7.0	.5267	27
6	17.	3.8	29.93	98.59	15.	8.0	.4710	27
7	7.	4.2	14.41	111.45	15.	9.0	.4625	27
8	15.	3.0	21.31	78.59	18.	8.0	.3770	27
9	32.	3.1	43.69	69.06	34.	8.0	.3929	26
10	33.	2.0	37.24	58.10	47.	7.0	.3652	27
11	13.	2.9	18.22	76.92	14.	8.0	.3600	27
12	350.	1.9	-8.78	50.21	331.	8.0	.2300	27
13	342.	2.3	-20.94	62.08	345.	7.0	.3256	29
14	313.	1.9	-40.09	37.82	285.	7.0	.2715	29
15	320.	2.0	-37.58	44.54	201.	8.0	.2512	29
16	334.	1.1	-13.73	28.16	260.	8.0	.1398	28
17	133.	.4	8.76	-6.23	228.	8.0	.0518	29
18	323.	.4	-7.09	9.26	252.	8.0	.0503	29
19	2.	1.1	.91	29.13	284.	9.0	.1199	27
20	2.	1.6	1.22	43.52	342.	8.0	.2016	27
21	3.	1.5	2.41	42.12	0.	7.0	.2078	29
22	359.	2.5	-1.74	66.45	335.	8.0	.3077	27
23	17.	2.3	17.81	58.44	16.	8.0	.2826	27
24	16.	2.7	20.17	70.58	30.	7.0	.3884	27



DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 280 FT

Y-8162

NOV 01, 1973 - NOV 30, 1973

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	298.	5.4	-142.48	76.94	280.	9.0	.5997	30
2	300.	6.5	-169.57	98.67	291.	10.0	.6540	30
3	311.	6.6	-150.19	126.66	306.	10.0	.6592	30
4	315.	6.1	-129.58	127.41	307.	10.0	.6057	30
5	313.	5.4	-119.51	111.08	314.	10.0	.5439	30
6	305.	4.6	-112.93	77.99	288.	10.0	.4575	30
7	300.	4.8	-121.13	70.02	274.	11.0	.4386	29
8	299.	5.1	-129.12	71.81	280.	11.0	.4631	29
9	301.	5.6	-141.12	83.16	280.	11.0	.5135	29
10	305.	6.5	-158.45	112.71	288.	11.0	.5892	30
11	303.	7.4	-179.11	116.42	281.	12.0	.6139	29
12	303.	7.7	-193.51	121.85	286.	13.0	.5954	29
13	307.	8.1	-188.46	139.57	286.	12.0	.6739	29
14	310.	8.2	-177.05	146.92	294.	12.0	.6847	28
15	302.	7.5	-216.24	135.98	296.	13.0	.6550	30
16	306.	8.4	-196.09	142.80	294.	12.0	.6971	29
17	303.	6.4	-161.85	105.71	283.	11.0	.5858	30
18	297.	5.7	-151.77	77.41	285.	11.0	.5163	30
19	297.	6.2	-163.77	85.14	287.	11.0	.5593	30
20	296.	6.3	-170.03	83.19	279.	11.0	.5736	30
21	298.	6.6	-176.44	92.38	281.	12.0	.5532	30
22	303.	7.2	-181.07	117.53	296.	12.0	.5996	30
23	301.	6.5	-167.19	98.53	294.	11.0	.5881	30
24	296.	6.1	-160.49	85.37	296.	10.0	.6060	30



DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 280 FT

Y-8162

DEC 01, 1973 - DEC 31, 1973

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	336.	3.2	-35.18	79.76	348.	10.0	.3229	27
2	329.	3.3	-45.13	74.36	332.	9.0	.3717	26
3	321.	5.3	-86.36	108.18	321.	10.0	.5324	26
4	327.	4.9	-70.88	110.17	329.	11.0	.4411	27
5	330.	5.7	-74.42	128.26	321.	11.0	.5135	26
6	332.	6.3	-76.94	144.26	333.	12.0	.5240	26
7	339.	7.0	-67.30	176.13	331.	12.0	.5820	27
8	345.	6.8	-46.65	176.59	347.	12.0	.5637	27
9	344.	6.7	-48.51	167.11	340.	12.0	.5577	26
10	346.	7.8	-45.75	190.38	351.	12.0	.6527	25
11	335.	7.0	-74.14	159.54	331.	12.0	.5864	25
12	347.	8.0	-42.00	187.18	347.	11.0	.7266	24*
13	335.	8.1	-94.34	198.50	334.	12.0	.6733	27
14	336.	8.1	-86.28	193.38	336.	13.0	.6265	26
15	337.	7.3	-69.54	161.36	329.	14.0	.5229	24*
16	334.	6.3	-74.37	153.02	337.	12.0	.5251	27
17	324.	6.4	-94.86	130.25	322.	13.0	.4958	25
18	322.	5.5	-88.17	113.71	324.	12.0	.4612	26
19	325.	5.5	-78.87	112.39	336.	12.0	.4577	25
20	315.	4.2	-80.72	80.74	312.	11.0	.3844	27
21	330.	3.8	-49.23	84.39	332.	11.0	.3416	26
22	343.	2.9	-20.53	68.70	348.	11.0	.2607	25
23	327.	2.6	-35.28	55.36	322.	10.0	.2626	25
24	319.	2.2	-35.90	41.52	296.	10.0	.2195	25



DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 230 FT

Y-8162

JAN 01, 1974 - JAN 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	346.	4.5	-26.12	101.15	339.	8.0	.5673	23*
2	340.	4.5	-36.27	97.81	326.	8.0	.5669	23*
3	340.	4.4	-34.56	94.91	336.	8.0	.5490	23*
4	341.	4.3	-30.97	89.62	325.	7.0	.6157	22*
5	347.	4.5	-23.45	101.93	318.	7.0	.6495	23*
6	340.	5.1	-39.40	105.58	329.	8.0	.6403	22*
7	349.	4.8	-18.69	93.21	345.	8.0	.5942	20*
8	336.	3.5	-31.97	73.00	301.	7.0	.4750	23*
9	339.	3.5	-29.45	75.01	314.	7.0	.5005	23*
10	353.	3.5	-10.90	90.00	28.	7.0	.4981	26
11	346.	3.3	-23.11	94.74	332.	8.0	.4683	26
12	334.	2.9	-33.12	68.37	313.	8.0	.3652	26
13	318.	2.7	-42.10	46.31	302.	8.0	.3429	23*
14	291.	3.0	-68.09	26.54	301.	3.0	.3806	24*
15	300.	3.6	-78.39	45.65	312.	8.0	.4535	25
16	291.	3.5	-81.93	30.82	287.	3.0	.4377	25
17	285.	3.8	-92.95	24.77	283.	8.0	.4810	25
18	287.	4.8	-113.67	35.00	285.	8.0	.5947	25
19	291.	4.4	-98.72	38.30	285.	8.0	.5515	24*
20	322.	5.0	-73.80	94.96	312.	8.0	.6264	24*
21	317.	3.6	-61.71	65.99	292.	7.0	.5163	25
22	327.	4.0	-53.98	83.24	297.	8.0	.4960	25
23	329.	4.7	-60.59	100.82	309.	8.0	.5881	25
24	336.	4.3	-43.12	98.27	328.	8.0	.5366	25

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01, 1977 - 10:00, 1977

HOURLY	DIR	SPD MPH	ANGLE	UCCN	VCCN	DIR	SPD MPH	PERSIST	VALID HOURS
1	343.	7.1	-47.23	184.65	184.65	345.	10.0	.7059	27
2	343.	7.1	-39.58	187.21	187.21	346.	10.0	.7037	27
3	342.	7.1	-27.79	185.73	185.73	352.	10.0	.7065	27
4	342.	6.2	-24.32	164.53	164.53	350.	9.0	.6344	27
5	347.	7.0	-11.40	194.92	194.92	359.	10.0	.7625	26
6	357.	7.0	-7.42	185.73	185.73	354.	10.0	.6999	27
7	357.	7.0	-23.51	211.51	211.51	349.	10.0	.7300	26
8	357.	7.9	-4.23	212.72	212.72	354.	11.0	.7164	27
9	353.	7.4	-20.52	210.26	210.26	354.	10.0	.7559	26
10	350.	7.3	-34.57	200.60	200.60	356.	12.0	.6059	26
11	354.	6.0	-46.05	151.53	151.53	1.	12.0	.5001	26
12	352.	6.2	-60.44	156.96	156.96	354.	13.0	.4722	27
13	350.	5.9	-32.28	144.46	144.46	356.	13.0	.4557	26
14	350.	6.0	-72.75	170.73	170.73	340.	13.0	.5250	26
15	349.	5.5	-32.53	149.63	149.63	346.	12.0	.4697	28
16	321.	5.4	-57.24	121.35	121.35	320.	12.0	.4460	26
17	335.	5.1	-59.32	124.51	124.51	330.	13.0	.3913	26
18	340.	4.3	-41.07	115.46	115.46	335.	12.0	.3620	26
19	340.	4.1	-39.00	105.42	105.42	345.	11.0	.3339	26
20	339.	5.2	-52.46	135.65	135.65	347.	11.0	.4704	26
21	345.	5.7	-42.12	154.47	154.47	351.	11.0	.5195	26
22	340.	5.1	-34.31	135.16	135.16	340.	9.0	.5554	26
23	340.	6.3	-44.64	173.12	173.12	344.	10.0	.5335	26
24	341.	6.3	-54.13	169.93	169.93	340.	10.0	.6333	27

DIURNAL WIND ANALYSIS

Y-8162

FOR: CON EDISON
IP 4 280 FT

MAR 01, 1974 - MAR 31, 1974

HOUR	RESULTANT WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD LPH	UCOM	VCOM		
1	320.	5.1	-71.36	110.33	.5616	27
2	323.	5.3	-92.50	122.25	.5395	29
3	335.	5.0	-60.13	130.81	.5517	29
4	331.	5.9	-74.72	135.20	.5941	26
5	325.	5.0	-71.64	113.71	.5530	27
6	325.	6.5	-92.00	149.35	.6497	27
7	329.	4.6	-64.67	105.63	.4537	27
8	330.	5.0	-67.07	121.49	.5546	28
9	344.	5.9	-42.26	145.42	.5609	27
10	313.	5.1	-96.12	99.04	.4605	26
11	312.	5.7	-114.61	101.06	.5163	27
12	307.	6.7	-145.96	119.00	.5174	28
13	312.	6.9	-162.29	127.61	.5723	28
14	315.	7.9	-157.49	154.91	.6039	28
15	319.	7.4	-146.33	165.42	.5729	30
16	310.	7.5	-152.45	159.33	.5191	30
17	315.	6.5	-135.72	130.10	.4610	30
18	304.	5.9	-143.45	95.24	.4241	29
19	324.	6.3	-107.61	147.95	.5257	29
20	327.	6.9	-103.75	172.51	.5735	29
21	326.	6.9	-107.55	176.77	.6216	30
22	334.	7.0	-90.23	185.17	.6379	30
23	340.	6.7	-113.52	158.06	.6100	29
24	336.	6.1	-90.66	156.09	.5059	29

JOURNAL WIND ANALYSIS

Y-3162

FOR: CON. 401501.
1 P 4 250 FT

APR 01, 1974 - APR 30, 1974

MO.	WIND		WIND		WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCCA	VCCA	DIR	SPD MPH		
1	321.	2.6	-50.44	61.91	275.	9.0	.3030	29
2	333.	3.1	-40.92	50.19	299.	9.0	.3431	29
3	329.	3.3	-52.94	79.24	330.	9.0	.3651	29
4	345.	3.7	-29.90	110.63	343.	9.0	.4763	30
5	334.	4.5	-30.26	121.13	323.	9.0	.5012	30
6	327.	3.7	-30.49	94.20	311.	9.0	.4595	30
7	335.	5.1	-41.94	164.37	332.	9.0	.4270	30
8	332.	3.6	-40.10	103.42	321.	10.0	.3750	30
9	344.	2.1	-22.95	70.32	353.	10.0	.2044	28
10	345.	2.9	-30.19	79.51	340.	10.0	.2943	30
11	310.	2.5	-42.23	55.63	316.	11.0	.2251	30
12	312.	4.7	-105.11	95.39	305.	12.0	.3952	30
13	313.	4.6	-94.03	87.60	316.	14.0	.3297	28
14	272.	5.0	-120.04	60.41	302.	14.0	.3590	28
15	299.	5.4	-130.37	70.50	307.	14.0	.3451	29
16	262.	5.6	-130.12	52.97	265.	14.0	.3970	30
17	260.	5.6	-160.07	50.67	269.	15.0	.3731	30
18	241.	5.2	-134.46	29.69	247.	14.0	.3742	30
19	240.	5.2	-123.77	20.21	280.	14.0	.3523	30
20	277.	3.9	-116.99	17.59	242.	12.0	.3270	30
21	241.	2.3	-57.65	12.77	243.	10.0	.2295	30
22	249.	3.1	-91.91	6.39	252.	9.0	.3418	30
23	300.	3.7	-61.93	45.10	245.	11.0	.2477	28
24	301.	5.1	-43.62	72.24	290.	10.0	.3114	28

DIURNAL AND ANALYSIS

Y-7162

PC-15 CO. 101500
1 P 4 270 FF

MAY 01, 1974 - MAY 31, 1974

COORD	GRADIENT		ALLOS		HEAT ALLO		PERSIST	VALID LOOS
	DIR	SPD MPH	OC54	VCC	DIR	SPD MPH		
1	342.	1.9	-9.36	49.75	209.	7.0	.2342	31
2	333.	.7	-10.03	20.03	265.	6.0	.1203	31
3	17.	1.0	6.30	26.15	123.	6.0	.1619	20
4	342.	1.3	-6.02	39.14	76.	6.0	.2143	31
5	12.	1.3	6.47	34.74	60.	6.0	.2115	31
6	331.	1.9	-2.02	50.41	41.	6.0	.3245	30
7	333.	2.4	-7.00	73.17	66.	7.0	.3337	31
8	337.	2.9	-30.31	75.39	223.	6.0	.3223	31
9	327.	2.7	-34.96	69.44	235.	6.0	.3336	31
10	327.	2.4	-66.15	34.02	252.	6.0	.3011	31
11	265.	2.4	-61.91	-2.39	222.	10.0	.2751	30
12	237.	3.1	-70.31	-51.00	203.	10.0	.3057	31
13	240.	4.3	-119.70	-49.53	220.	11.0	.3920	30
14	237.	2.4	-71.20	-45.40	170.	12.0	.2346	30
15	222.	3.3	-62.23	-60.34	161.	12.0	.2751	23
16	200.	4.1	-53.77	-109.65	202.	13.0	.3131	30
17	201.	4.5	-49.15	-124.11	200.	12.0	.3714	31
18	203.	4.6	-67.39	-124.63	207.	13.0	.3517	31
19	211.	3.2	-49.26	-53.43	193.	12.0	.2691	30
20	270.	2.3	-71.26	-60	220.	10.0	.2299	31
21	207.	1.9	-46.33	-7.73	179.	9.0	.1669	31
22	290.	1.0	-20.22	10.00	145.	7.0	.1369	31
23	301.	.9	-2.65	16.56	263.	7.0	.6774	31
24	302.	1.5	-22.36	42.43	202.	7.0	.2210	31

DIURNAL WIND ANALYSIS

Y-8162

FOR: CON EDISON
1 P 4 280 FT

JUN 01, 1974 - JUN 30, 1974

HOUR	RESULTANT WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM		
1	30.	1.2	35.71	6.11	.2499	29
2	64.	2.5	66.47	31.61	.4094	30
3	39.	2.8	50.33	62.79	.4643	29
4	39.	2.3	40.34	49.69	.4572	28
5	43.	2.9	59.78	53.76	.4786	28
6	44.	2.2	44.55	46.65	.3707	29
7	51.	2.3	46.24	37.55	.4582	26
8	65.	1.5	39.01	18.39	.2974	29
9	79.	1.1	26.96	5.39	.1316	27
10	124.	1.2	29.39	-19.71	.1965	30
11	166.	1.4	9.93	-39.48	.2262	30
12	199.	2.9	-22.48	-63.51	.3603	30
13	193.	3.2	-23.07	-87.63	.3974	29
14	200.	4.0	-40.93	-113.94	.4434	30
15	202.	5.1	-56.46	-142.57	.5707	30
16	169.	6.1	-26.61	-181.72	.6132	30
17	203.	5.2	-61.57	-142.16	.5164	30
18	193.	4.2	-37.70	-113.63	.4513	30
19	193.	4.0	-10.99	-120.11	.5024	30
20	192.	3.1	-2.90	-59.35	.3853	29
21	195.	1.6	-12.05	-43.12	.2270	30
22	199.	1.1	.39	-34.92	.2266	30
23	194.	.5	9.02	-12.25	.0913	29
24	194.	.5	12.27	7.12	.6946	30
25	194.	.5				

DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 280 FT

Y-8162

JUL 01, 1974 - JUL 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	355.	2.1	-6.07	65.91	343.	6.0	.3558	31
2	351.	2.2	-9.75	64.56	311.	7.0	.3109	30
3	358.	1.9	-2.31	57.07	352.	7.0	.2720	30
4	346.	3.8	-26.28	107.85	3.	8.0	.4785	29
5	4.	2.8	6.31	84.08	15.	7.0	.4015	30
6	6.	2.3	6.88	70.09	3.	6.0	.3786	31
7	5.	2.4	5.26	65.71	27.	6.0	.3924	28
8	10.	2.2	11.08	62.69	57.	6.0	.3659	29
9	350.	2.5	-13.19	75.78	349.	6.0	.4135	31
10	330.	2.3	-34.25	58.66	279.	6.0	.3773	30
11	320.	1.6	-31.99	37.58	259.	7.0	.2350	30
12	295.	1.8	-51.53	24.08	293.	8.0	.2293	31
13	270.	2.5	-76.72	-.32	269.	8.0	.3094	31
14	275.	4.4	-132.80	11.61	278.	9.0	.4937	30
15	264.	4.0	-121.87	-12.73	264.	9.0	.4392	31
16	262.	4.1	-125.54	-16.98	267.	9.0	.4541	31
17	257.	4.2	-127.99	-30.58	266.	10.0	.4245	31
18	252.	3.9	-114.50	-37.99	259.	9.0	.4324	31
19	249.	3.4	-99.35	-37.71	246.	8.0	.4285	31
20	277.	2.7	-81.58	10.55	279.	8.0	.3317	31
21	293.	1.7	-47.89	20.57	314.	7.0	.2402	31
22	290.	2.8	-82.56	29.98	287.	8.0	.3542	31
23	315.	3.1	-66.22	65.20	296.	8.0	.3872	30
24	331.	2.7	-40.65	74.15	296.	7.0	.3897	31



DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 280 FT

Y-8162

AUG 01, 1974 - AUG 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	3.	.7	1.09	22.23	28.	5.0	.1484	30
2	115.	.5	13.78	-6.50	71.	4.0	.1269	30
3	40.	1.0	18.11	21.38	55.	5.0	.1933	29
4	31.	1.1	16.12	26.73	47.	5.0	.2153	29
5	27.	1.6	22.63	43.61	24.	5.0	.3276	30
6	37.	2.4	42.65	57.35	39.	5.0	.4765	30
7	49.	1.9	45.22	39.05	62.	5.0	.3855	31
8	49.	1.2	25.26	21.87	74.	5.0	.2304	29
9	2.	.9	1.17	27.12	47.	5.0	.1872	29
10	299.	1.1	-26.75	15.10	336.	6.0	.1765	29
11	235.	1.4	-33.86	-23.61	242.	6.0	.2293	30
12	230.	2.4	-54.14	-45.65	227.	6.0	.3934	30
13	257.	2.9	-83.95	-19.65	240.	8.0	.3592	30
14	249.	2.8	-78.09	-30.68	236.	8.0	.3496	30
15	238.	3.1	-75.96	-47.23	240.	8.0	.3856	29
16	246.	4.0	-108.84	-47.70	242.	8.0	.4952	30
17	238.	3.8	-98.39	-60.36	237.	8.0	.4809	30
18	231.	3.2	-74.93	-59.74	228.	8.0	.3993	30
19	216.	3.0	-52.99	-72.32	216.	7.0	.4269	30
20	241.	1.7	-39.41	-21.97	227.	7.0	.2479	26
21	226.	1.1	-21.90	-20.99	233.	5.0	.2247	27
22	247.	1.3	-32.99	-13.67	265.	4.0	.3188	28
23	292.	.9	-23.31	9.63	346.	5.0	.1740	29
24	301.	.6	-15.11	9.22	73.	5.0	.1264	28



DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 400 FT

Y-8162

OCT 01, 1973 - OCT 31, 1973

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	345.	2.1	-14.91	56.22	323.	8.0	.2597	28
2	355.	2.4	-5.56	67.30	5.	7.0	.3446	28
3	347.	3.0	-19.27	80.71	344.	8.0	.3704	28
4	339.	2.9	-29.18	77.16	327.	7.0	.4209	28
5	354.	2.0	-5.53	53.21	309.	7.0	.2831	27
6	3.	2.9	3.60	77.22	345.	8.0	.3579	27
7	9.	2.8	10.75	71.46	355.	9.0	.3088	26
8	16.	2.1	20.53	71.11	6.	9.0	.3163	26
9	16.	2.1	16.20	57.29	19.	8.0	.2658	28
10	30.	2.1	29.32	50.68	53.	9.0	.2323	28
11	357.	2.7	-4.58	76.50	358.	10.0	.2737	28
12	325.	2.9	-48.93	69.07	331.	10.0	.2919	29
13	336.	2.6	-30.76	67.92	353.	10.0	.2571	29
14	309.	2.9	-65.48	53.31	268.	9.0	.3235	29
15	294.	2.3	-60.38	26.81	258.	10.0	.2278	29
16	304.	1.7	-42.37	28.18	267.	10.0	.1696	30
17	220.	.6	-11.67	-13.99	246.	10.0	.0607	30
18	267.	.5	-16.09	-.75	272.	11.0	.0488	30
19	322.	.7	-13.02	16.88	248.	11.0	.0668	29
20	328.	1.1	-16.03	25.48	237.	10.0	.1075	28
21	307.	1.7	-37.97	28.30	261.	11.0	.1537	28
22	314.	2.3	-46.41	44.65	273.	11.0	.2091	28
23	357.	2.2	-3.60	61.20	260.	11.0	.1990	28
24	353.	1.2	-3.96	33.46	252.	9.0	.1337	28





DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 400 FT

Y-8162

NOV 01, 1973 - NOV 30, 1973

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	296.	6.9	-180.56	86.83	278.	11.0	.6280	29
2	296.	7.3	-190.35	92.20	286.	11.0	.6630	29
3	309.	6.9	-156.80	126.13	296.	11.0	.6308	29
4	306.	6.5	-152.95	112.22	300.	11.0	.5947	29
5	306.	5.8	-134.48	98.92	304.	10.0	.5757	29
6	300.	5.1	-128.91	75.08	290.	11.0	.4676	29
7	300.	5.6	-135.49	77.73	279.	11.0	.5071	28
8	308.	6.6	-140.98	109.69	296.	12.0	.5513	27
9	311.	7.1	-145.89	126.04	297.	12.0	.5950	27
10	309.	7.3	-158.79	128.03	291.	12.0	.6071	28
11	302.	7.8	-216.55	133.14	283.	13.0	.6743	29
12	301.	9.0	-223.15	135.85	291.	14.0	.6435	29
13	302.	9.0	-221.26	138.94	286.	14.0	.6435	29
14	301.	8.5	-212.45	127.44	285.	14.0	.6102	29
15	300.	8.0	-206.73	121.39	289.	13.0	.6147	30
16	300.	7.3	-190.89	109.69	286.	13.0	.5645	30
17	300.	6.3	-163.23	92.45	285.	12.0	.5211	30
18	291.	6.1	-170.75	66.54	281.	12.0	.5090	30
19	293.	7.4	-203.95	86.92	290.	13.0	.5685	30
20	297.	6.8	-183.42	91.50	286.	12.0	.5694	30
21	302.	7.2	-184.02	115.68	294.	12.0	.6038	30
22	306.	8.0	-195.30	139.43	300.	13.0	.6153	30
23	299.	7.8	-205.16	114.46	292.	13.0	.6024	30
24	296.	6.6	-179.15	86.92	291.	11.0	.6034	30

DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 400 FT

Y-8162

DEC 01, 1973 - DEC 31, 1973

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	342.	3.9	-34.07	107.25	339.	11.0	.3528	29
2	344.	3.8	-31.23	109.81	320.	10.0	.3806	30
3	326.	4.3	-65.04	95.56	302.	12.0	.3568	27
4	341.	4.2	-39.91	116.58	325.	12.0	.3541	29
5	341.	5.2	-47.32	137.43	315.	12.0	.4326	28
6	343.	6.3	-51.77	173.87	336.	12.0	.5213	29
7	356.	6.6	-13.26	183.59	346.	12.0	.5473	28
8	351.	6.6	-30.86	188.50	344.	13.0	.5067	29
9	347.	6.1	-40.86	172.97	337.	13.0	.4714	29
10	348.	7.1	-43.81	201.99	345.	13.0	.5432	29
11	340.	6.6	-60.09	167.96	334.	12.0	.5506	27
12	336.	7.1	-65.46	188.64	333.	12.0	.5951	29
13	337.	7.3	-64.06	193.80	333.	12.0	.6070	29
14	336.	7.6	-64.25	186.74	340.	13.0	.5837	27
15	331.	6.5	-86.09	153.59	325.	14.0	.4658	27
16	333.	5.7	-76.27	147.84	332.	13.0	.4413	29
17	323.	6.2	-104.65	139.79	329.	13.0	.4797	28
18	321.	5.1	-91.91	114.28	337.	12.0	.4214	29
19	321.	5.1	-86.81	108.21	324.	13.0	.3952	27
20	309.	3.4	-71.19	57.03	314.	12.0	.2815	27
21	318.	2.3	-56.25	63.36	312.	11.0	.2567	30
22	323.	3.0	-54.23	72.39	314.	11.0	.2741	30
23	325.	3.0	-50.79	72.34	291.	10.0	.3048	29
24	320.	2.5	-47.57	56.38	283.	10.0	.2544	29



DIURNAL WIND ANALYSIS

Y-8162

FOR: CON EDISON
I P 4 400 FT

JAN 01, 1974 - JAN 31, 1974

HOUR	RESULTANT WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	WCOM		
1	339.	4.8	-44.38	115.34	.5281	26
2	336.	5.2	-51.48	114.42	.5809	24*
3	339.	4.4	-38.40	102.29	.5463	25
4	336.	4.8	-46.94	106.34	.6054	24*
5	340.	5.0	-41.83	117.02	.6214	25
6	336.	5.2	-50.69	113.80	.6483	24*
7	342.	4.1	-30.44	92.43	.5792	24*
8	326.	4.2	-55.67	83.42	.5229	24*
9	316.	4.2	-70.23	72.37	.6002	24*
10	339.	4.1	-36.98	99.73	.5148	26
11	337.	3.7	-39.09	92.29	.4640	27
12	335.	3.2	-37.63	80.22	.3956	28
13	324.	2.8	-41.26	56.52	.3499	25
14	308.	3.6	-77.55	61.05	.4218	26
15	302.	3.7	-77.61	49.24	.4595	25
16	295.	4.3	-97.67	45.72	.4769	25
17	296.	3.8	-59.64	43.30	.4786	26
18	294.	4.6	-103.52	47.40	.5061	26
19	300.	5.0	-117.48	66.47	.6249	27
20	317.	5.1	-90.52	97.62	.5689	26
21	320.	4.8	-80.13	95.29	.5986	26
22	323.	5.1	-80.18	107.08	.5717	26
23	330.	4.9	-66.25	115.81	.6177	27
24	329.	5.1	-70.18	118.25	.5659	27

DIGITAL AIR ANALYSIS

Y-C152

ACFT: C-47
 1 P 4 400 FT

FEB 01, 1974 - FEB 23, 1974

TIME	ALT	SPD	DIR	WIND	PERSIST	VALID
HH:MM	FT	KPH	DEG	KPH		HOURS
1	341.	7.8	-70.25	109.69	.6675	26
2	343.	7.8	-59.51	209.39	.7379	26
3	349.	7.4	-53.17	190.25	.7222	26
4	351.	7.3	-51.35	210.23	.7619	26
5	352.	7.7	-29.11	212.22	.6973	26
6	353.	8.1	-19.59	217.21	.7345	27
7	351.	7.7	-37.21	212.94	.7002	26
8	353.	7.8	-29.72	217.65	.7149	26
9	349.	7.8	-41.79	209.41	.6901	26
10	350.	7.3	-53.79	201.11	.6035	26
11	357.	7.2	-73.11	170.91	.6151	27
12	355.	6.6	-77.11	134.57	.7522	27
13	350.	6.3	-62.55	152.22	.4499	26
14	355.	6.5	-61.59	171.61	.4357	26
15	341.	5.9	-51.75	156.23	.4471	26
16	319.	5.6	-113.14	112.34	.4322	26
17	329.	5.0	-60.41	124.52	.3920	26
18	332.	5.1	-67.52	125.60	.3921	26
19	353.	5.1	-72.02	124.34	.3946	26
20	357.	5.7	-69.43	147.13	.4761	26
21	354.	5.3	-63.75	161.56	.5154	26
22	342.	5.4	-47.59	144.47	.5334	26
23	347.	5.7	-75.03	172.14	.6279	26
24	348.	5.5	-91.21	164.43	.5054	26

DIURNAL WIND ANALYSIS

Y-8162

FOR: COR ELLISON
I P. 4 400 FT

MAR 01, 1974 - MAR 31, 1974

HOUR	RESULTANT WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOR	VCOM		
1	324.	6.5	-96.03	131.33	.5916	25
2	317.	6.2	-105.87	116.70	.5632	26
3	330.	6.1	-80.36	136.96	.5552	26
4	331.	6.7	-83.91	152.41	.6033	26
5	327.	5.8	-82.51	124.89	.5757	26
6	326.	6.4	-69.53	141.03	.5841	26
7	323.	4.3	-66.18	89.13	.4270	26
8	332.	5.8	-67.61	129.45	.5311	25
9	337.	5.6	-58.07	134.17	.5112	26
10	324.	6.0	-91.40	125.75	.4983	26
11	319.	6.9	-111.41	130.37	.5277	25
12	313.	8.2	-156.25	144.60	.5349	26
13	311.	6.4	-153.05	137.68	.5939	25
14	313.	10.1	-161.12	179.76	.6286	24*
15	321.	9.4	-147.76	181.29	.5347	25
16	310.	9.0	-165.31	140.14	.5312	24*
17	307.	8.1	-169.00	127.26	.4786	26
18	304.	8.5	-163.08	121.73	.5286	26
19	325.	8.4	-127.26	176.69	.6027	26
20	327.	9.1	-128.42	197.81	.6479	26
21	324.	8.6	-131.43	162.00	.6167	26
22	323.	9.8	-129.75	207.49	.6526	25
23	324.	8.6	-127.18	174.69	.6649	25
24	325.	7.5	-112.02	159.25	.6240	26

DIURNAL WIND ANALYSIS

Y-8162

FOR: CON EDISON
I P 4 400 FT

APR 01, 1974 - APR 30, 1974

HOUR	RESULTANT WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM		
1	313.	2.9	-53.23	64.44	.3217	30
2	327.	3.3	-53.96	64.50	.3713	30
3	314.	3.6	-77.07	76.38	.4045	30
4	333.	3.4	-33.79	94.39	.3779	30
5	331.	5.3	-76.66	139.88	.5317	30
6	325.	3.8	-61.33	97.54	.3350	30
7	339.	4.3	-94.68	115.55	.4734	30
8	373.	3.9	-33.43	112.37	.3903	30
9	344.	3.1	-23.93	85.59	.3065	29
10	330.	3.1	-49.32	79.25	.3051	30
11	316.	2.8	-64.79	53.67	.2549	30
12	317.	4.6	-91.60	105.95	.3709	30
13	311.	5.0	-107.35	92.37	.3322	28
14	292.	5.0	-123.26	70.69	.3007	29
15	267.	5.3	-131.55	47.39	.3787	30
16	254.	5.9	-170.43	42.13	.3653	30
17	291.	6.3	-175.44	63.22	.3922	30
18	283.	5.4	-136.76	36.71	.3621	30
19	272.	5.2	-153.51	24.12	.3491	30
20	275.	4.2	-123.44	10.54	.3474	29
21	273.	3.1	-69.61	1.93	.2595	29
22	255.	3.4	-93.80	29.39	.3411	29
23	270.	4.1	-69.02	37.34	.2351	23
24	311.	3.6	-90.34	61.36	.2771	29

WIND ANALYSIS

Y-0162

FOR: COL. JOHNSON
1 P. 100 FT

MAY 01, 1974 - MAY 31, 1974

MOON	DIR	SPD MPH	ANGLE DEG	WIND DIR	WIND SPD MPH	PERSIST	VALID HOURS
1	351.	2.2	-7.91	52.45	9.0	.2450	243
2	344.	3.0	-3.95	15.34	9.0	.0725	243
3	7.	1.1	5.20	25.13	7.0	.1574	238
4	342.	1.9	-10.67	35.52	7.0	.2027	243
5	340.	1.4	-11.54	30.96	7.0	.2053	238
6	339.	2.0	-16.10	61.07	6.0	.3529	223
7	342.	3.1	-13.11	72.52	6.0	.3744	243
8	339.	1.0	-20.07	60.43	6.0	.3471	243
9	339.	2.7	-43.66	42.22	6.0	.3311	238
10	335.	2.7	-5.13	24.96	9.0	.2703	26
11	330.	3.7	-39.03	-12.49	10.0	.2729	26
12	343.	3.3	-19.27	-31.13	10.0	.3301	26
13	340.	3.7	-24.36	-34.32	10.0	.3729	27
14	333.	3.3	-12.72	-54.35	12.0	.2006	27
15	311.	5.1	-67.96	-102.74	14.0	.3376	243
16	303.	6.3	-47.27	-162.22	14.0	.4470	27
17	301.	6.2	-47.24	-154.93	14.0	.4451	26
18	299.	7.1	-62.16	-165.15	15.0	.4730	26
19	296.	4.8	-105.05	-34.53	14.0	.3152	25
20	299.	5.5	-79.06	-57.17	12.0	.2912	25
21	293.	5.9	-67.47	-30.16	10.0	.2931	25
22	302.	2.3	-59.79	-7.12	9.0	.2522	223
23	300.	7	-15.25	4.79	9.0	.0734	243
24	303.	2.1	-23.22	43.31	9.0	.2320	243



DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 400 FT

Y-8162

JUL 01, 1974 - JUL 31, 1974

HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	337.	3.0	-36.43	83.97	319.	8.0	.3691	31
2	336.	3.0	-36.32	81.83	312.	8.0	.3730	30
3	341.	2.7	-26.64	78.79	328.	8.0	.3354	31
4	341.	4.3	-41.75	121.57	352.	8.0	.5356	30
5	345.	3.7	-28.61	106.29	328.	8.0	.4586	30
6	348.	2.9	-17.51	82.37	322.	7.0	.4148	29
7	350.	2.7	-13.43	78.06	324.	7.0	.3902	29
8	5.	3.3	7.45	87.50	343.	7.0	.4647	27
9	354.	3.0	-9.98	90.62	318.	7.0	.4341	30
10	339.	2.3	-25.61	67.66	275.	7.0	.3334	31
11	324.	2.2	-39.38	54.48	285.	8.0	.2801	30
12	294.	1.8	-51.43	23.01	293.	9.0	.2020	31
13	281.	2.3	-68.55	13.81	283.	9.0	.2590	30
14	290.	4.7	-129.01	46.73	291.	10.0	.4731	29
15	275.	4.2	-129.12	11.56	278.	10.0	.4182	31
16	268.	4.4	-135.04	-4.88	273.	11.0	.3963	31
17	265.	4.3	-133.63	-11.21	276.	11.0	.3932	31
18	258.	3.9	-119.42	-25.05	266.	10.0	.3936	31
19	259.	4.3	-127.18	-24.24	256.	10.0	.4316	30
20	279.	3.9	-116.81	17.97	272.	9.0	.4377	30
21	286.	3.0	-86.01	24.56	286.	9.0	.3313	30
22	297.	4.3	-115.78	58.26	279.	10.0	.4320	30
23	313.	4.6	-94.14	87.88	290.	10.0	.4600	28
24	319.	3.7	-72.42	82.48	296.	8.0	.4573	30



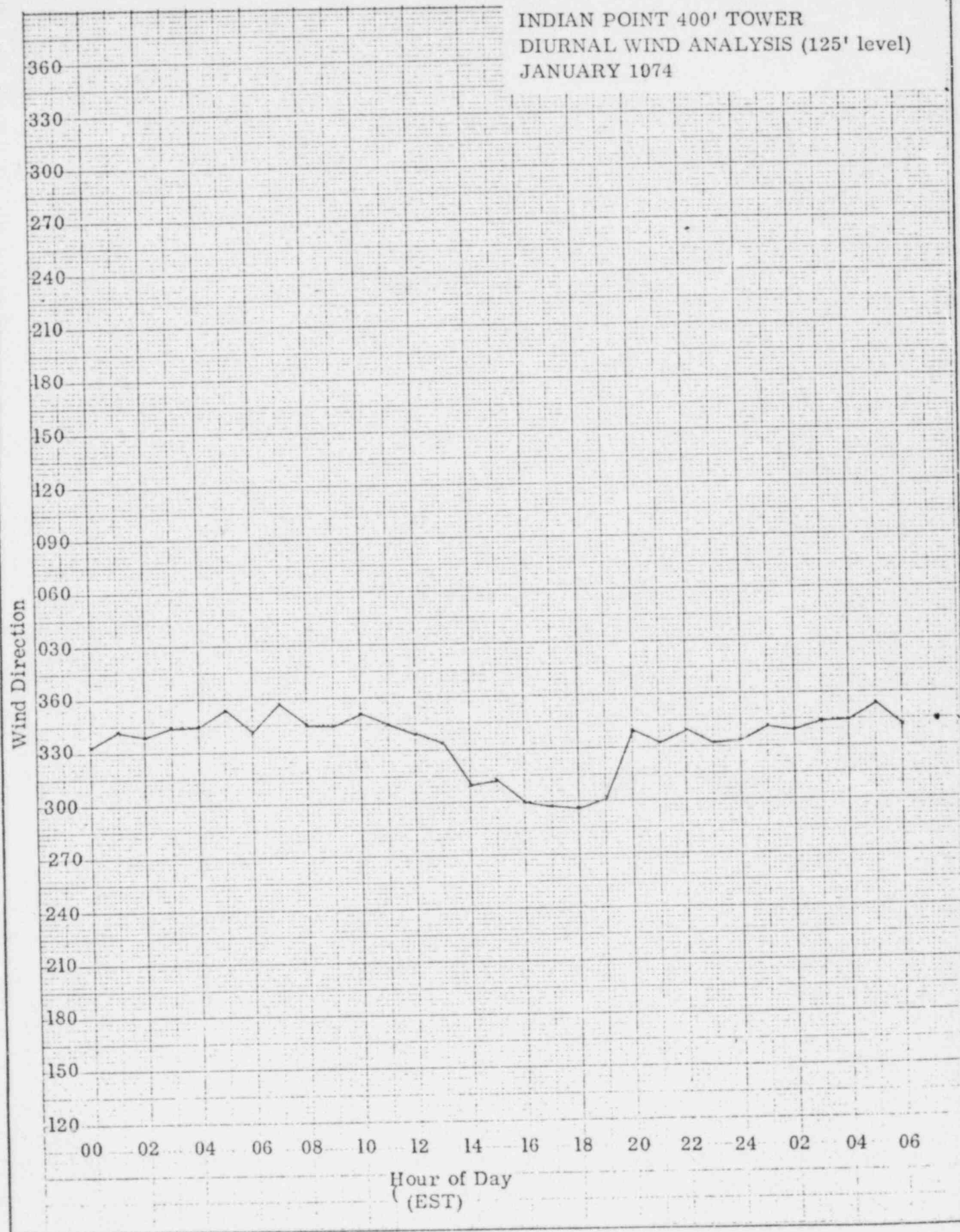
DIURNAL WIND ANALYSIS

FOR: CON EDISON
I P 4 400 FT

Y-8162

AUG 01, 1974 - AUG 31, 1974

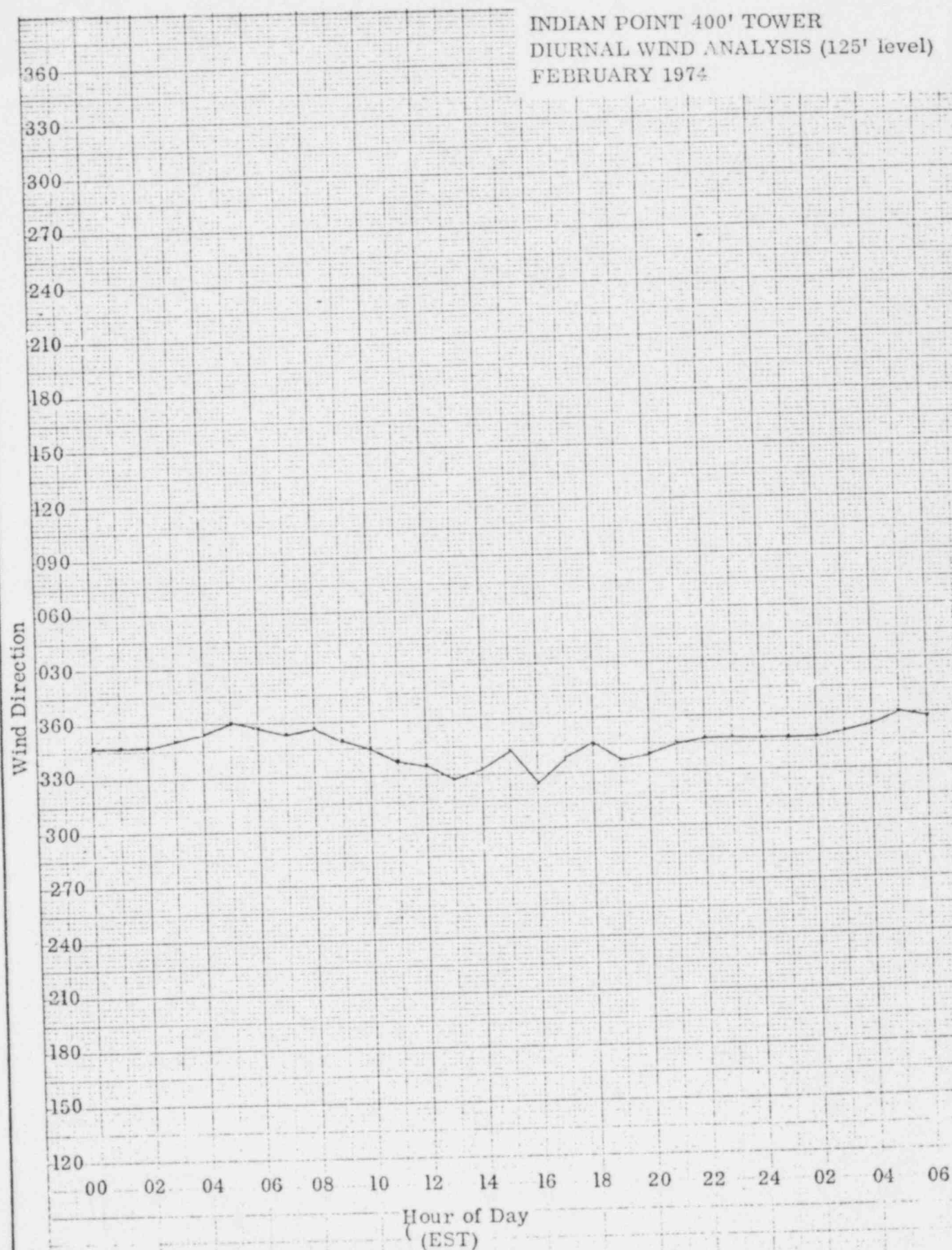
HOUR	RESULTANT		WINDS		MEAN WIND		PERSIST	VALID HOURS
	DIR	SPD MPH	UCOM	VCOM	DIR	SPD MPH		
1	314.	.6	-13.53	13.27	305.	5.0	.1222	31
2	230.	.6	-13.31	-11.06	346.	5.0	.1154	30
3	348.	.8	-5.23	24.92	30.	5.0	.1643	31
4	347.	.9	-5.25	23.26	2.	6.0	.1472	27
5	353.	1.3	-4.45	38.12	1.	5.0	.2559	30
6	17.	2.0	16.48	54.25	351.	5.0	.3910	29
7	24.	1.4	16.83	38.27	30.	5.0	.2883	29
8	14.	1.0	6.83	26.91	32.	5.0	.1983	28
9	334.	1.0	-12.67	25.62	33.	6.0	.1588	30
10	274.	1.6	-46.22	3.12	287.	6.0	.2662	29
11	236.	2.1	-52.14	-34.88	241.	6.0	.3485	30
12	230.	3.4	-73.52	-61.08	228.	7.0	.4876	28
13	251.	3.4	-97.12	-34.21	237.	8.0	.4290	30
14	245.	3.8	-101.87	-47.89	241.	9.0	.4169	30
15	243.	4.3	-107.73	-55.33	240.	8.0	.5407	28
16	248.	4.8	-134.94	-53.41	242.	8.0	.6047	30
17	240.	4.4	-113.51	-64.99	234.	9.0	.4844	30
18	232.	4.4	-102.79	-80.54	229.	9.0	.4837	30
19	227.	3.5	-77.10	-70.90	230.	8.0	.4364	30
20	252.	2.0	-56.76	-18.68	236.	7.0	.2845	30
21	249.	1.5	-40.00	-15.74	256.	6.0	.2470	29
22	260.	1.8	-52.85	-9.36	259.	5.0	.3578	30
23	250.	1.5	-40.05	-14.40	232.	6.0	.2446	29
24	263.	1.2	-33.21	-4.25	271.	6.0	.1924	29



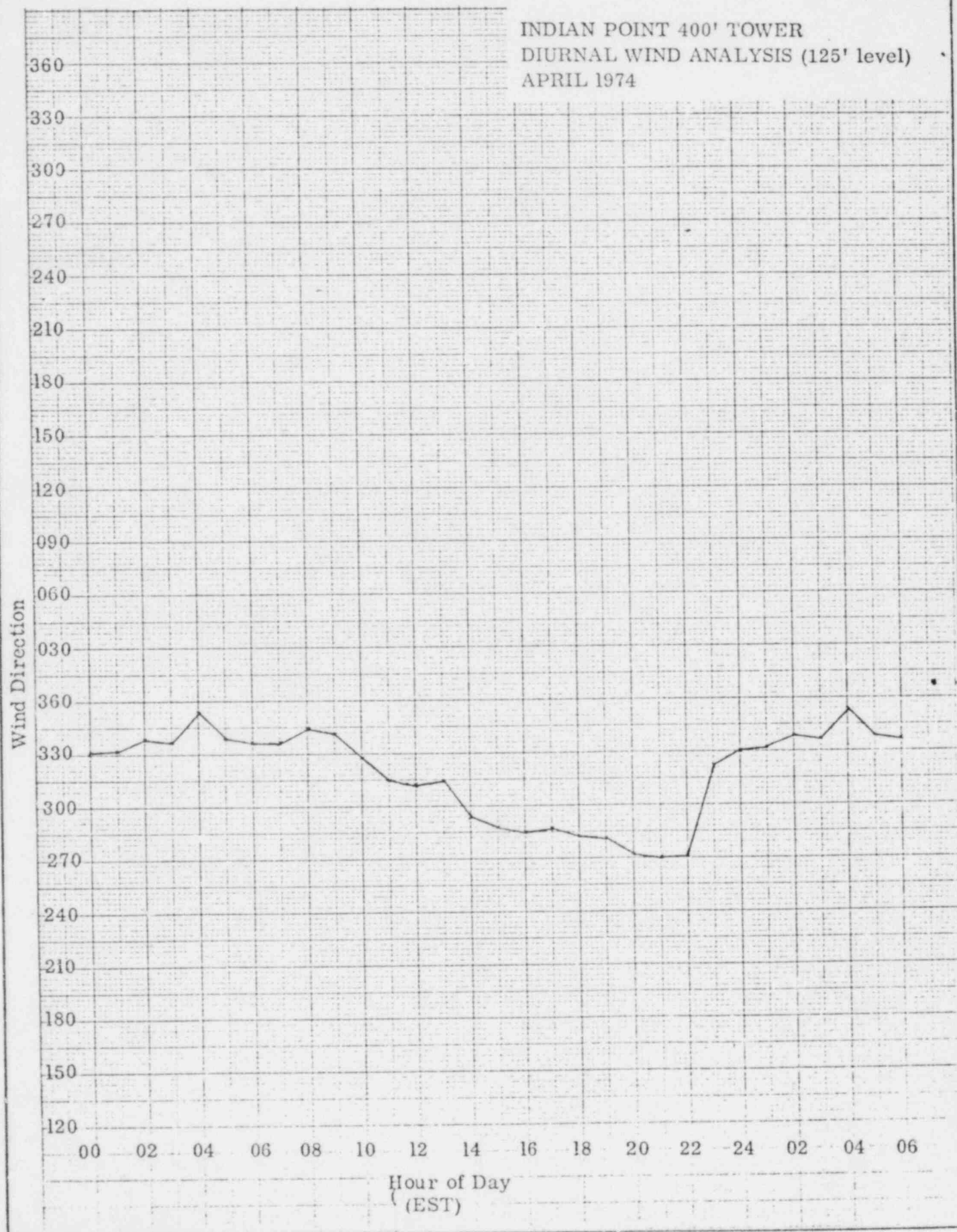
YORK RESEARCH CORPORATION

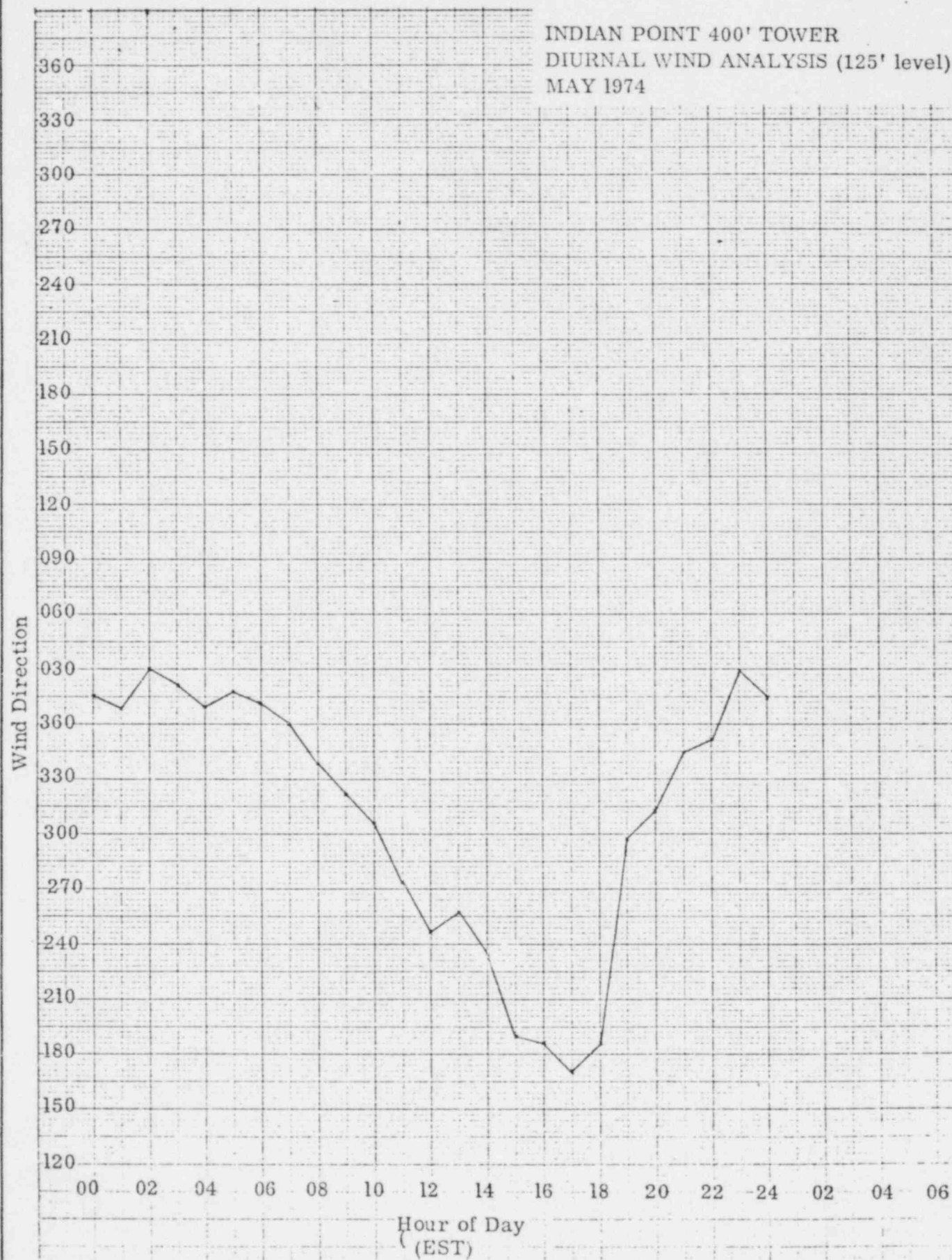


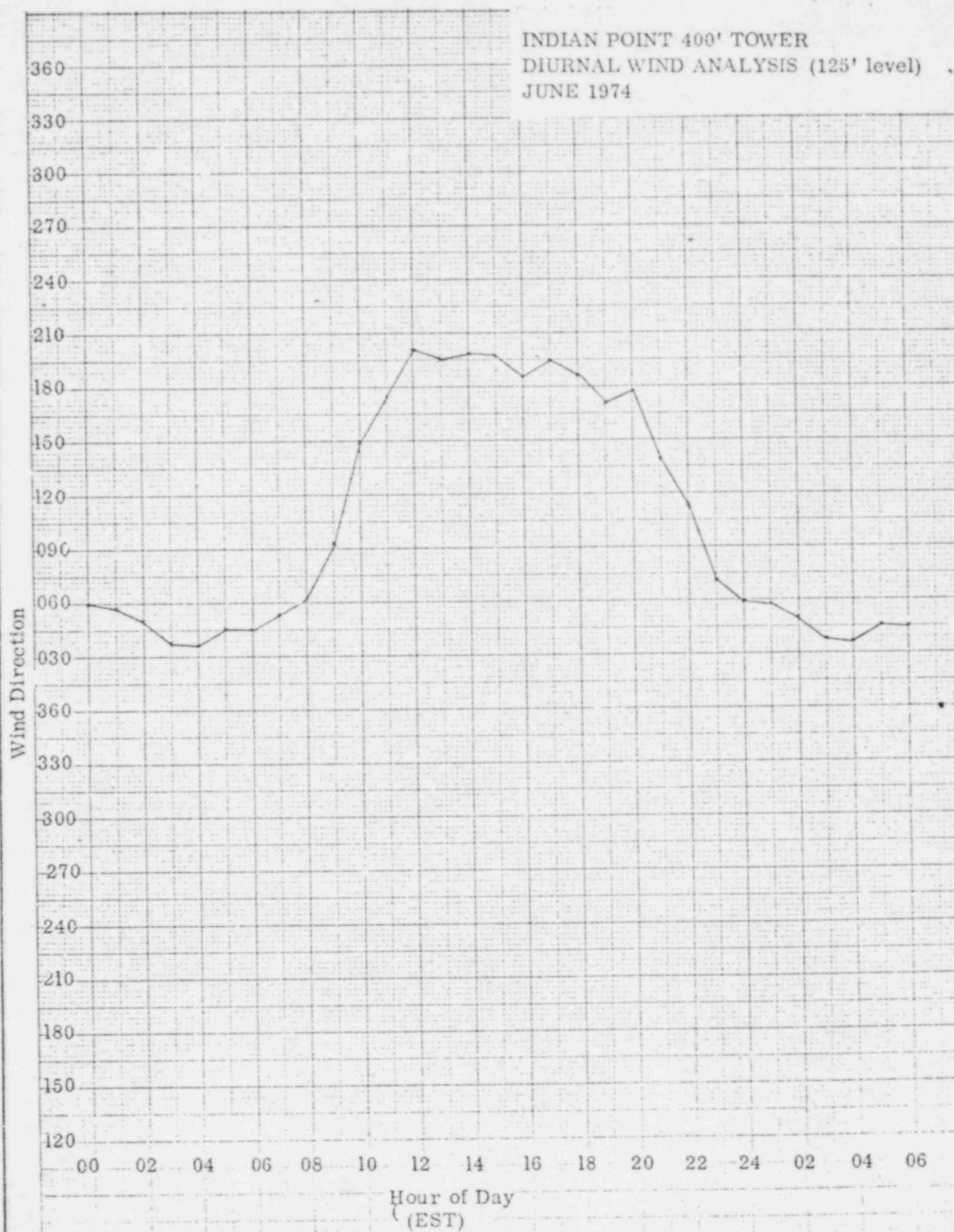
STAMFORD, CONNECTICUT

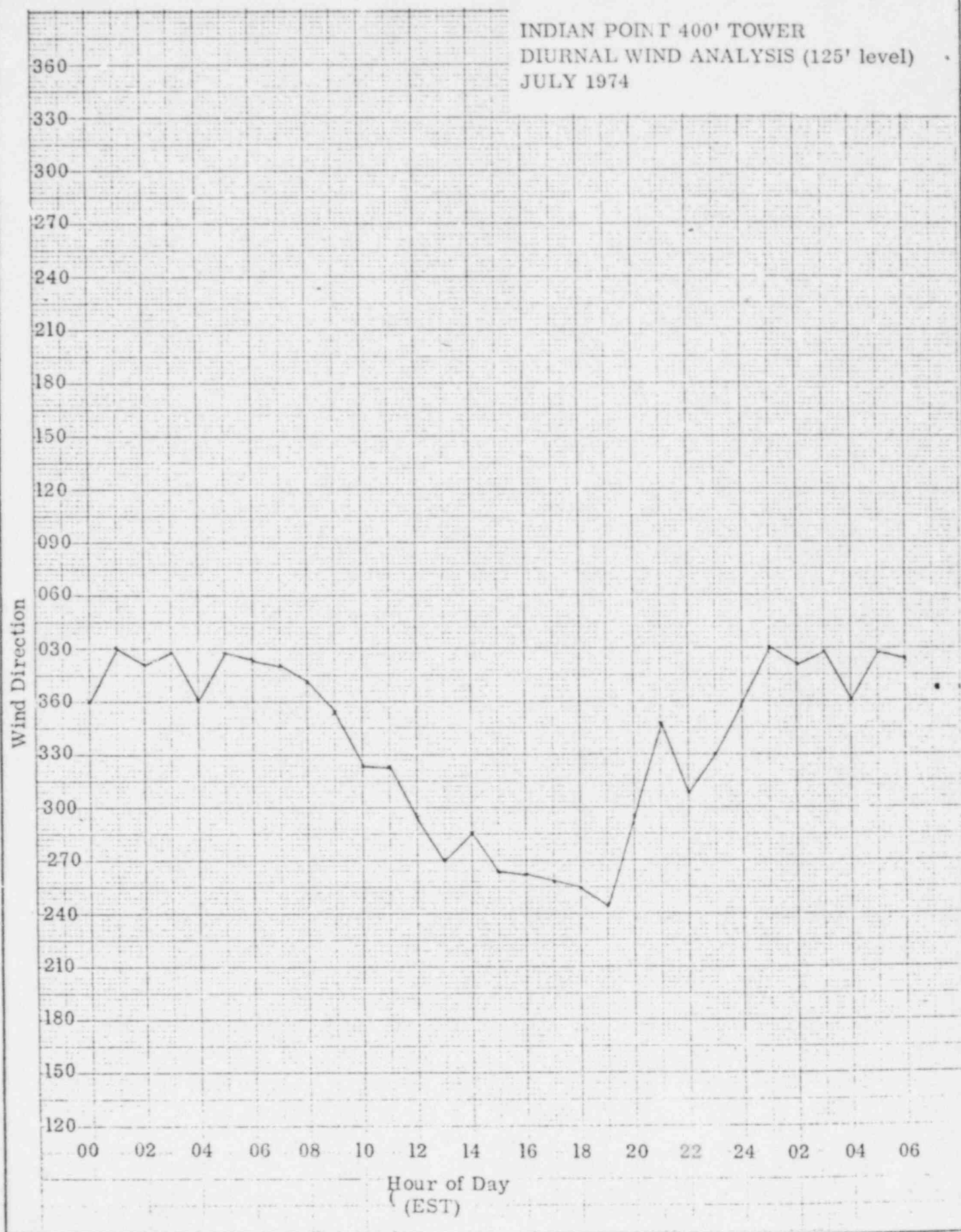


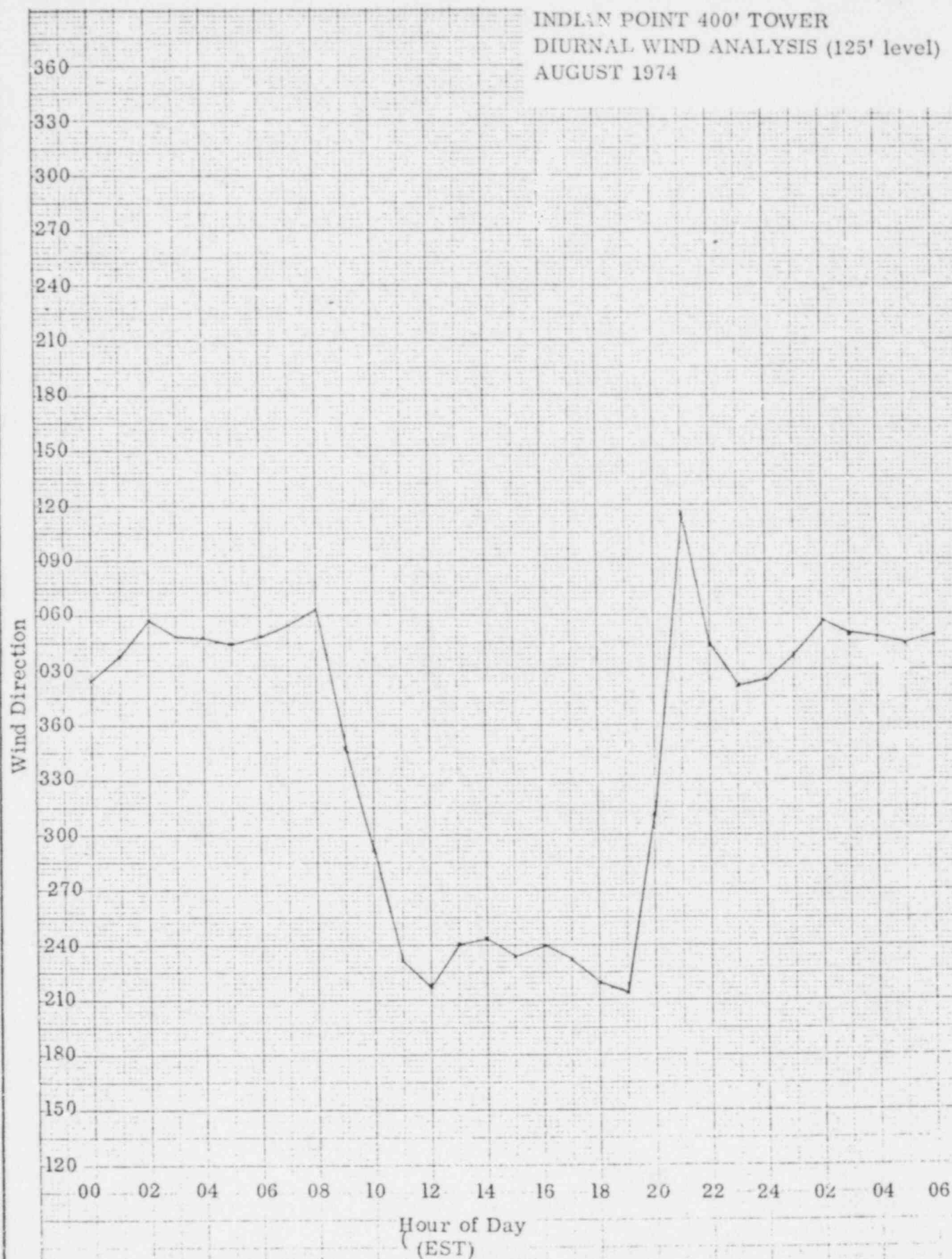












APPENDIX D
WIND FREQUENCY DISTRIBUTIONS
FROM IP4 TOWER



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4

33 FT SUMMER

MAY 01, 1974 - AUG 31, 1974

WIND SPEED MPH

WIND DIRECTION

	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
349-11 N	.0254	.0085	.0003	.0003	.0	.0	.0	.0	.0	.0020	.0366
12-33 NNE	.0495	.0451	.0037	.0	.0	.0	.0	.0	.0	.0088	.1071
34-56 NE	.0766	.0671	.0058	.0	.0	.0	.0	.0	.0	.0095	.1589
57-78 ENE	.0407	.0176	.0	.0	.0	.0	.0	.0	.0	.0037	.0620
79-101 E	.0234	.0037	.0	.0	.0	.0	.0	.0	.0	.0014	.0285
102-123 ESE	.0139	.0020	.0	.0	.0	.0	.0	.0	.0	.0	.0159
124-146 SE	.0217	.0	.0	.0	.0	.0	.0	.0	.0	.0003	.0220
147-168 SSE	.0261	.0020	.0	.0	.0	.0	.0	.0	.0	.0003	.0285
169-191 S	.0657	.0176	.0007	.0	.0	.0	.0	.0	.0	.0007	.0847
192-213 SSW	.0752	.0400	.0024	.0	.0	.0	.0	.0	.0	.0010	.1186
214-236 SW	.0691	.0413	.0095	.0007	.0	.0	.0	.0	.0	.0017	.1223
237-258 WSW	.0274	.0071	.0007	.0	.0	.0	.0	.0	.0	.0010	.0363
259-281 W	.0153	.0075	.0007	.0	.0	.0	.0	.0	.0	.0034	.0308
282-303 WNW	.0136	.0102	.0014	.0003	.0	.0	.0	.0	.0	.0007	.0261
304-326 NW	.0122	.0115	.0051	.0020	.0003	.0	.0	.0	.0	.0007	.0319
327-348 NNW	.0105	.0078	.0037	.0010	.0	.0	.0	.0	.0	.0010	.0241
VAR	.0593	.0014	.0	.0	.0	.0	.0	.0	.0	.0044	.0651
GALL	.0007										.0007
MISS	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0003
TOTAL	.6303	.2904	.0339	.0044	.0003	.0	.0	.0	.0	.0410	1.0000

NUMBER OF VALID DATA HOURS = 2951
PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 100.0



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 125 FT SUMMER

MAY 01, 1974 - AUG 31, 1974

WIND DIRECTION	WIND SPEED MPH										MISS	TOTAL
	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47			
342-11	.0166	.0241	.0237	.0054	.0003	.0003	.0	.0	.0	.0	.0	.0705
12-33	.0288	.0417	.0305	.0054	.0	.0	.0	.0	.0	.0	.0003	.1067
34-56	.0339	.0962	.0142	.0010	.0	.0	.0	.0	.0	.0	.0	.1453
57-78	.0103	.0152	.0047	.0	.0	.0	.0	.0	.0	.0	.0	.0383
79-101	.0119	.0078	.0044	.0007	.0	.0	.0	.0	.0	.0	.0	.0247
102-123	.0063	.0054	.0020	.0014	.0	.0	.0	.0	.0	.0	.0	.0176
124-146	.0132	.0112	.0024	.0007	.0	.0	.0	.0	.0	.0	.0	.0274
147-168	.0173	.0224	.0119	.0010	.0	.0	.0	.0	.0	.0	.0	.0525
169-191	.0224	.0478	.0369	.0136	.0007	.0003	.0	.0	.0	.0	.0	.1216
192-213	.0264	.0359	.0207	.0034	.0003	.0	.0	.0	.0	.0	.0	.0867
214-236	.0291	.0352	.0173	.0075	.0007	.0	.0	.0	.0	.0	.0	.0898
237-258	.0142	.0122	.0068	.0024	.0	.0	.0	.0	.0	.0	.0	.0356
259-281	.0156	.0105	.0051	.0007	.0003	.0	.0	.0	.0	.0	.0	.0322
282-303	.0091	.0105	.0136	.0027	.0007	.0	.0	.0	.0	.0	.0	.0366
304-326	.0119	.0035	.0163	.0061	.0037	.0010	.0003	.0	.0	.0	.0	.0478
327-348	.0061	.0108	.0091	.0081	.0024	.0	.0	.0	.0	.0	.0	.0366
VAR	.0295	.0007	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0301
CALC	.0											.0
LOS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.3130	.3960	.2195	.0600	.0091	.0017	.0003	.0	.0	.0	.0003	1.0000

NUMBER OF VALID DATA HOURS = 2952

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 100.0



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4

280 FT SUMMER

MAY 01, 1974 - AUG 31, 1974

WIND DIRECTION	WIND SPEED MPH								MISS	TOTAL
	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	
349-11	.0112	.0228	.0160	.0088	.0027	.0007	.0	.0003	.0007	.0632
12-33	.0160	.0367	.0363	.0238	.0027	.0003	.0	.0007	.0031	.1196
34-56	.0194	.0462	.0200	.0041	.0003	.0	.0	.0	.0	.0900
57-78	.0166	.0132	.0044	.0003	.0	.0	.0	.0	.0	.0346
79-101	.0122	.0102	.0058	.0003	.0	.0	.0	.0	.0	.0285
102-123	.0092	.0068	.0031	.0007	.0	.0	.0	.0	.0	.0197
124-146	.0132	.0099	.0068	.0014	.0	.0	.0	.0	.0	.0313
147-168	.0088	.0136	.0078	.0010	.0	.0	.0	.0	.0	.0313
169-191	.0228	.0391	.0418	.0333	.0048	.0003	.0003	.0	.0	.1423
192-213	.0248	.0408	.0251	.0078	.0014	.0	.0	.0003	.0	.1002
214-236	.0221	.0367	.0248	.0122	.0031	.0	.0	.0	.0	.0983
237-258	.0126	.0149	.0092	.0092	.0003	.0	.0	.0	.0	.0462
259-281	.0099	.0102	.0153	.0061	.0014	.0	.0	.0	.0	.0428
282-303	.0102	.0105	.0071	.0105	.0020	.0003	.0	.0	.0	.0408
304-326	.0075	.0073	.0153	.0078	.0058	.0014	.0010	.0003	.0	.0469
327-348	.0048	.0075	.0051	.0035	.0024	.0017	.0	.0	.0	.0299
Var	.0190	.0003	.0	.0	.0	.0	.0	.0	.0	.0194
CALA	.0078									.0078
MISS	.0020	.0027	.0020	.0	.0	.0	.0	.0	.0	.0095
TOTAL	.2500	.3298	.2459	.1359	.0268	.0048	.0014	.0017	.0037	1.0000

NUMBER OF VALID DATA HOURS = 2944

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 99.7



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 33 FT WINTER

OCT 01, 1973 - APR 30, 1974

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
349-11 N	.0228	.0352	.0117	.0012	.0002	.0	.0	.0	.0	.0008	.0719
12-33 NNE	.0326	.0680	.0308	.0032	.0004	.0	.0	.0	.0	.0016	.1367
34-56 NE	.0509	.0538	.0133	.0012	.0002	.0	.0	.0	.0	.0023	.1222
57-78 ENE	.0258	.0135	.0026	.0002	.0	.0	.0	.0	.0	.0004	.0475
79-101 E	.0123	.0034	.0002	.0	.0	.0	.0	.0	.0	.0	.0159
102-123 ESE	.0077	.0016	.0002	.0	.0	.0	.0	.0	.0	.0	.0095
124-146 SE	.0033	.0014	.0	.0	.0	.0	.0	.0	.0	.0002	.0099
147-168 SSE	.0155	.0020	.0	.0	.0	.0	.0	.0	.0	.0006	.0181
169-191 S	.0467	.0147	.0010	.0	.0	.0	.0	.0	.0	.0020	.0644
192-213 SSW	.0342	.0270	.0069	.0004	.0	.0	.0	.0	.0	.0034	.0739
214-236 SW	.0324	.0169	.0060	.0004	.0	.0	.0	.0	.0	.0018	.0576
237-258 WSW	.0163	.0048	.0042	.0	.0	.0	.0	.0	.0	.0004	.0258
259-281 W	.0201	.0079	.0044	.0002	.0	.0	.0	.0	.0	.0006	.0332
282-303 WNW	.0137	.0242	.0121	.0016	.0	.0	.0	.0	.0	.0026	.0542
304-326 NW	.0125	.0437	.0477	.0113	.0004	.0	.0	.0	.0	.0032	.1188
327-348 NNW	.0111	.0352	.0344	.0056	.0	.0	.0	.0	.0	.0016	.0880
VAR	.0361	.0034	.0002	.0	.0	.0	.0	.0	.0	.0006	.0423
CALC	.0066										.0066
MISS	.0016	.0016	.0004	.0	.0	.0	.0	.0	.0		.0280
TOTAL	.4091	.3634	.1782	.0254	.0012	.0	.0	.0	.0	.0471	1.0000

NUMBER OF VALID DATA HOURS = 4967

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 97.6



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 125 FT WINTER

OCT 01, 1973 - APR 30, 1974

WIND DIRECTION	WIND SPEED MPH										MISS	TOTAL
	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47			
349-11	N	.0095	.0216	.0322	.0183	.0038	.0026	.0	.0	.0022	.0903	
12-33	NNE	.0139	.0464	.0429	.0204	.0018	.0002	.0	.0	.0058	.1314	
34-50	NE	.0101	.0369	.0187	.0058	.0004	.0	.0	.0	.0056	.0836	
57-76	ENE	.0093	.0099	.0048	.0024	.0002	.0	.0	.0	.0004	.0270	
79-101	E	.0042	.0034	.0012	.0002	.0002	.0	.0	.0	.0002	.0095	
102-123	ESE	.0044	.0040	.0012	.0004	.0	.0	.0	.0	.0004	.0105	
134-146	SE	.0042	.0032	.0016	.0002	.0	.0	.0	.0	.0002	.0095	
147-160	SSE	.0064	.0077	.0058	.0002	.0	.0	.0	.0	.0002	.0204	
169-191	S	.0155	.0349	.0240	.0075	.0012	.0004	.0002	.0	.0002	.0838	
192-213	SSW	.0173	.0240	.0191	.0099	.0014	.0004	.0	.0	.0010	.0732	
214-236	SW	.0149	.0157	.0149	.0077	.0014	.0	.0	.0	.0002	.0548	
237-258	WSW	.0109	.0033	.0062	.0030	.0	.0	.0	.0	.0004	.0288	
259-281	W	.0067	.0077	.0058	.0040	.0010	.0002	.0	.0	.0008	.0282	
282-303	WNW	.0056	.0105	.0202	.0119	.0028	.0004	.0004	.0	.0030	.0548	
304-326	W	.0038	.0127	.0476	.0459	.0111	.0024	.0002	.0	.0026	.1234	
327-348	WNW	.0058	.0125	.0308	.0367	.0073	.0016	.0006	.0	.0012	.0565	
VAR		.0195	.0014	.0008	.0	.0	.0	.0	.0	.0016	.0234	
CALM		.0024									.0024	
155		.0054	.0206	.0131	.0038	.0006	.0	.0	.0		.0689	
											1.0000	
										.0516		

NUMBER OF VALID DATA HOURS = 4962
PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 97.5



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
IP 4

280 FT WINTER

OCT 01, 1973 - APR 30, 1974

WIND
DIRECTIONWIND SPEED
MPH

TOTAL

>47

MISS

39-46

32-38

25-31

19-24

13-18

08-12

04-07

00-03

.0826

.0045

.0

.0006

.0028

.0018

.0085

.0217

.0223

.0140

.0065

349-11 N

12-33 NNE

34-56 NE

57-76 ENE

77-101 E

102-123 ESE

124-146 SE

147-168 SSE

169-191 S

192-213 SSW

214-236 SW

237-258 WSW

259-281 W

282-303 WNW

304-326 NW

327-346 NNW

VAR

CALC

ADJ

TOTAL

.0826

.0045

.0

.0006

.0028

.0018

.0085

.0217

.0223

.0140

.0065

NUMBER OF VALID DATA HOURS = 4940

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 97.1

.0045

.0

.0006

.0028

.0018

.0085

.0217

.0223

.0140

.0065

.0093

.0079

.0035

.0059

.0055

.0061

.0069

.0158

.0170

.0152

.0083

.0057

.0032

.0045

.0032

.0037

.0014

.0067

.1462

.2285

.2468

.2360

.0804

.0178

.0079

.0012

.0

.0652

1.0000



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: COM EDISON
I P 4

400 FT WINTER

OCT 01, 1973 - APR 30, 1974

WIND DIRECTION	WIND SPEED MPH								MISS	TOTAL
	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	
3-19-11	.0051	.0124	.0197	.0227	.0093	.0014	.0006	.0002	.0	.0723
12-33	.0035	.0215	.0410	.0463	.0126	.0026	.0024	.0012	.0	.1367
34-56	.0043	.0197	.0162	.0114	.0018	.0	.0	.0	.0	.0563
57-70	.0032	.0079	.0030	.0032	.0006	.0	.0	.0	.0	.0193
71-101	.0035	.0053	.0020	.0024	.0010	.0010	.0004	.0	.0	.0160
102-123	.0051	.0045	.0006	.0006	.0002	.0	.0	.0	.0	.0116
124-146	.0039	.0067	.0018	.0006	.0002	.0	.0	.0	.0	.0136
147-160	.0045	.0095	.0024	.0010	.0	.0	.0	.0	.0	.0179
161-191	.0110	.0349	.0205	.0118	.0037	.0022	.0010	.0002	.0	.0867
192-213	.0103	.0288	.0229	.0133	.0028	.0016	.0002	.0004	.0	.0325
214-230	.0112	.0290	.0240	.0135	.0075	.0026	.0	.0	.0	.0936
231-250	.0069	.0104	.0079	.0067	.0018	.0004	.0	.0	.0	.0351
251-261	.0055	.0104	.0063	.0043	.0022	.0002	.0	.0	.0	.0294
262-303	.0032	.0055	.0128	.0154	.0037	.0035	.0008	.0004	.0	.0508
304-320	.0045	.0103	.0284	.0538	.0278	.0110	.0024	.0006	.0	.1401
321-340	.0035	.0102	.0242	.0402	.0197	.0047	.0010	.0002	.0	.1042
VAR	.0037	.0012	.0006	.0004	.0	.0	.0	.0	.0	.0118
GALA	.0004									.0004
153	.0063	.0055	.0049	.0033	.0014	.0002	.0	.0	.0	.0550
TOTAL	.1048	.2342	.2394	.2567	.1015	.0315	.0089	.0032	.0	1.0000

NUMBER OF VALID DATA HOURS = 4924

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 96.8



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 400 FT SUMMER

MAY 01, 1974 - AUG 31, 1974

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
3-12-11 N	.0105	.0217	.0136	.0136	.0051	.0007	.0003	.0	.0	.0	.0654
12-33 NNE	.0108	.0247	.0352	.0288	.0051	.0007	.0014	.0	.0	.0	.1067
34-56 NE	.0119	.0213	.0186	.0112	.0010	.0	.0	.0	.0	.0	.0640
57-78 ENE	.0112	.0098	.0024	.0007	.0	.0	.0	.0	.0	.0	.0241
79-101 E	.0071	.0064	.0044	.0003	.0	.0	.0	.0	.0	.0	.0183
102-123 ESE	.0064	.0054	.0041	.0003	.0003	.0	.0	.0	.0	.0	.0166
124-146 SE	.0095	.0038	.0038	.0017	.0003	.0	.0	.0	.0	.0	.0291
147-168 SSE	.0068	.0125	.0078	.0017	.0	.0	.0	.0	.0	.0	.0288
169-191 S	.0180	.0335	.0407	.0291	.0078	.0003	.0007	.0003	.0	.0	.1304
192-213 SSW	.0186	.0362	.0285	.0139	.0010	.0	.0	.0	.0	.0	.0982
214-236 SW	.0220	.0335	.0285	.0190	.0030	.0003	.0	.0	.0	.0	.1064
237-258 WSW	.0173	.0146	.0119	.0102	.0017	.0	.0	.0	.0	.0	.0556
259-281 W	.0136	.0122	.0125	.0051	.0007	.0003	.0	.0	.0	.0	.0417
282-303 WNW	.0078	.0105	.0081	.0119	.0027	.0007	.0	.0	.0003	.0	.0505
304-326 NW	.0105	.0095	.0102	.0132	.0044	.0017	.0007	.0	.0	.0	.0379
327-348 NNW	.0041	.0091	.0078	.0091	.0037	.0030	.0010	.0	.0	.0	.0156
VAR	.0122	.0024	.0010	.0	.0	.0	.0	.0	.0	.0	.0014
CALA	.0014										.0650
MISS	.0156	.0264	.0163	.0068	.0	.0	.0	.0	.0	.0	1.0000
TOTAL	.2151	.2988	.2602	.1765	.0369	.0078	.0041	.0003	.0003	.0	

NUMBER OF VALID DATA HOURS = 2952
PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 100.0

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 033 FT

OCT 01, 1973 - OCT 31, 1973

WIND DIRECTION	WIND SPEED MPH							MISS	TOTAL
	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47
349-11 N	.0369	.0284	.0071	.0	.0	.0	.0	.0	.0723
12-33 NNE	.0383	.0582	.0028	.0	.0	.0	.0	.0	.0993
34-56 NE	.0805	.0752	.0085	.0	.0	.0	.0	.0	.1702
57-78 ENE	.0823	.0624	.0142	.0014	.0	.0	.0	.0	.1603
79-101 E	.0255	.0142	.0	.0	.0	.0	.0	.0	.0397
102-123 ESE	.0142	.0057	.0014	.0	.0	.0	.0	.0	.0213
124-146 SE	.0113	.0028	.0	.0	.0	.0	.0	.0	.0142
147-166 SSE	.0170	.0014	.0	.0	.0	.0	.0	.0	.0184
169-191 S	.0363	.0057	.0	.0	.0	.0	.0	.0028	.0468
192-213 SSW	.0340	.0213	.0014	.0	.0	.0	.0	.0071	.0638
214-236 SW	.0426	.0241	.0071	.0	.0	.0	.0	.0043	.0780
237-258 WSW	.0123	.0028	.0	.0	.0	.0	.0	.0014	.0170
259-281 W	.0227	.0065	.0014	.0	.0	.0	.0	.0	.0326
282-303 WNW	.0184	.0298	.0057	.0	.0	.0	.0	.0043	.0582
304-326 NW	.0126	.0284	.0099	.0	.0	.0	.0	.0	.0511
327-348 NNW	.0113	.0312	.0071	.0	.0	.0	.0	.0	.0496
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALA	.0043								.0043
MISS	.0028	.0	.0	.0	.0	.0	.0	.0	.0582
TOTAL	.5121	.4000	.0667	.0014	.0	.0	.0	.0	1.0000

NUMBER OF VALID DATA HOURS = 705

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 94.8



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

FOR: CON EDISON
I P 4 033 FT
Y-8162

NOV 01, 1973 - NOV 30, 1973

WIND DIRECTION	WIND SPEED MPH								MISS	TOTAL
	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	
349-11 N	.0125	.0153	.0056	.0	.0	.0	.0	.0	.0	.0333
12-33 NNE	.0222	.0264	.0139	.0	.0	.0	.0	.0	.0	.0625
34-50 NE	.0194	.0389	.0125	.0042	.0	.0	.0	.0	.0	.0750
57-78 ENE	.0181	.0250	.0028	.0	.0	.0	.0	.0	.0	.0458
79-101 E	.0063	.0028	.0	.0	.0	.0	.0	.0	.0	.0111
102-123 ESE	.0083	.0028	.0	.0	.0	.0	.0	.0	.0	.0111
124-146 SE	.0069	.0056	.0	.0	.0	.0	.0	.0	.0	.0125
147-168 SSE	.0125	.0056	.0	.0	.0	.0	.0	.0	.0	.0181
169-191 S	.0292	.0306	.0014	.0	.0	.0	.0	.0	.0	.0611
192-213 SSW	.0306	.0653	.0097	.0	.0	.0	.0	.0	.0097	.1153
214-236 SW	.0111	.0417	.0125	.0	.0	.0	.0	.0	.0042	.0694
237-258 WSW	.0139	.0153	.0167	.0	.0	.0	.0	.0	.0	.0458
259-281 W	.0194	.0167	.0111	.0014	.0	.0	.0	.0	.0042	.0528
282-303 WNW	.0097	.0514	.0264	.0042	.0	.0	.0	.0	.0028	.0944
304-326 NW	.0069	.0389	.1042	.0208	.0	.0	.0	.0	.0	.1708
327-348 NNW	.0125	.0222	.0597	.0097	.0	.0	.0	.0	.0014	.1056
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0139									.0139
MISS	.0	.0	.0014	.0	.0	.0	.0	.0	.0	.0014
TOTAL	.2556	.4042	.2776	.0403	.0	.0	.0	.0	.0222	1.0000

NUMBER OF VALID DATA HOURS = 720

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 100.0



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 033 FT

DEC 01, 1973 - DEC 31, 1973

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
349-11 N	.0068	.0491	.0123	.0	.0	.0	.0	.0	.0	.0	.0682
12-33 NNE	.0355	.0819	.0314	.0205	.0627	.0	.0	.0	.0	.0	.1719
34-56 NE	.0791	.0450	.0327	.0027	.0014	.0	.0	.0	.0	.0014	.1623
57-76 ENE	.0205	.0191	.0014	.0	.0	.0	.0	.0	.0	.0	.0409
79-101 E	.0109	.0027	.0014	.0	.0	.0	.0	.0	.0	.0	.0150
102-123 ESE	.0027	.0014	.0	.0	.0	.0	.0	.0	.0	.0	.0041
124-146 SE	.0041	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0041
147-168 SSE	.0109	.0041	.0	.0	.0	.0	.0	.0	.0	.0	.0150
169-191 S	.0232	.0032	.0014	.0	.0	.0	.0	.0	.0	.0	.0327
192-213 SSW	.0095	.0246	.0136	.0	.0	.0	.0	.0	.0	.0	.0477
14-236 SW	.0218	.0191	.0082	.0	.0	.0	.0	.0	.0	.0	.0491
237-256 WSW	.0109	.0041	.0041	.0	.0	.0	.0	.0	.0	.0	.0191
259-281 W	.0164	.0068	.0027	.0	.0	.0	.0	.0	.0	.0	.0259
282-303 WNW	.0109	.0164	.0123	.0014	.0	.0	.0	.0	.0	.0027	.0437
304-326 NW	.0109	.0423	.0518	.0095	.0	.0	.0	.0	.0	.0109	.1255
327-348 NNW	.0055	.0355	.0246	.0032	.0	.0	.0	.0	.0	.0	.0737
VAR	.0778	.0055	.0014	.0	.0	.0	.0	.0	.0	.0	.0846
CALM	.0164										.0164
MISS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0150
TOTAL	.3738	.3656	.1992	.0423	.0041	.0	.0	.0	.0	.0300	1.0000

NUMBER OF VALID DATA HOURS = 733

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 98.5



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON

I P 4 33 FT

JAN 01, 1974 - JAN 31, 1974

WIND SPEED MPH

WIND DIRECTION

	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
312-11	.0281	.0326	.0015	.0	.0	.0	.0	.0	.0	.0	.0622
12-33	.0533	.0652	.0252	.0	.0	.0	.0	.0	.0	.0089	.1526
34-56	.0548	.0593	.0015	.0	.0	.0	.0	.0	.0	.0104	.1259
57-75	.0237	.0030	.0	.0	.0	.0	.0	.0	.0	.0030	.0296
77-101	.0163	.0015	.0	.0	.0	.0	.0	.0	.0	.0	.0178
102-123	.0119	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0119
124-146	.0163	.0	.0	.0	.0	.0	.0	.0	.0	.0015	.0178
147-168	.0176	.0	.0	.0	.0	.0	.0	.0	.0	.0044	.0222
169-191	.0430	.0030	.0	.0	.0	.0	.0	.0	.0	.0074	.0533
192-213	.0459	.0104	.0044	.0	.0	.0	.0	.0	.0	.0	.0607
214-236	.0576	.0119	.0015	.0	.0	.0	.0	.0	.0	.0	.0711
237-258	.0267	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0267
259-281	.0237	.0044	.0015	.0	.0	.0	.0	.0	.0	.0	.0296
282-303	.0207	.0146	.0	.0	.0	.0	.0	.0	.0	.0	.0356
304-326	.0178	.0022	.0207	.0044	.0030	.0	.0	.0	.0	.0	.1081
327-348	.0104	.0415	.0119	.0	.0	.0	.0	.0	.0	.0	.0637
Var	.0741	.0030	.0	.0	.0	.0	.0	.0	.0	.0044	.0815
Calc	.0074										.0074
MISS	.0089	.0119	.0015	.0	.0	.0	.0	.0	.0		.1244
TOTAL	.5565	.3244	.0696	.0044	.0030	.0	.0	.0	.0	.1422	1.0000

NUMBER OF VALID DATA HOURS = 675

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 90.7



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
IP 4

33 FT

FEB 01, 1974 - FEB 28, 1974

WIND SPEED MPH

	00-03	04-07	08-12	13-16	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
00-03	.0263	.0372	.0134	.0015	.0	.0	.0	.0	.0	.0	.0789
04-07	.0215	.1076	.0937	.0015	.0	.0	.0	.0	.0	.0	.2247
08-12	.0417	.0099	.0179	.0015	.0	.0	.0	.0	.0	.0	.1310
13-16	.0119	.0039	.0	.0	.0	.0	.0	.0	.0	.0	.0208
19-24	.0134	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0134
25-31	.0033	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0060
32-38	.0030	.0015	.0	.0	.0	.0	.0	.0	.0	.0	.0045
39-46	.0074	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0074
>47	.0172	.0140	.0015	.0	.0	.0	.0	.0	.0	.0	.0357
MISS	.0033	.0009	.0030	.0015	.0	.0	.0	.0	.0	.0	.0078
TOTAL	.0312	.0070	.0	.0	.0	.0	.0	.0	.0	.0	.0402
	.0172	.0020	.0015	.0	.0	.0	.0	.0	.0	.0	.0193
	.0074	.0012	.0030	.0	.0	.0	.0	.0	.0	.0	.0223
	.0074	.0112	.0033	.0045	.0	.0	.0	.0	.0	.0	.0263
	.0109	.0031	.0021	.0104	.0	.0	.0	.0	.0	.0060	.1369
	.0070	.0040	.0027	.0069	.0	.0	.0	.0	.0	.0060	.1012
	.0027	.0045	.0	.0	.0	.0	.0	.0	.0	.0	.0372
	.0009										.0045
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	.0015	.0044	.0032	.0057	.0	.0	.0	.0	.0	.0119	1.0000

100.0

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-3162

FOR: CON EDISON
I P 4 35 FT

MAR 01, 1974 - MAR 31, 1974

WIND SPEED MPH

TOTAL

MISS

>47

39-46

32-38

25-31

19-24

13-18

08-12

04-07

00-03

DIRECTION

.1199

.0054

.0

.0

.0

.0

.0013

.0067

.0350

.0445

.0270

34-11

.1078

.0027

.0

.0

.0

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.0

.0031

.0031

.0620

.0350

12-33

.1146

.0031

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.0

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.0

.0054

.0647

.0364

.0364

34-96

.0189

.0

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.0054

.0054

.0135

27-73

.0081

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.0013

.0013

.0040

17-101

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102-123

.0108

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.0108

124-146

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.0027

.0243

125-133

.0566

.0040

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.0027

.0031

.0413

126-121

.0512

.0067

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.0121

.0067

.0256

192-213

.0445

.0040

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.0040

.0040

.0323

214-236

.0202

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.0013

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.0162

237-258

.0364

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.0094

.0054

.0216

259-281

.0755

.0013

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.0013

.0296

.0139

282-303

.1240

.0040

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.0162

.0526

.0155

304-325

.1294

.0040

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.0175

327-348

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Valid

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Total

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.0431

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.0013

.0350

.2163

.3194

.3854

TOTAL

NUMBER OF VALID DATA LOGS = 742
 PERCENT OF TOTAL LOGS PRESENT IN FREQUENCY DISTRIBUTION = 99.7



RELATIONSHIP OF JUD SPEED AND DIRECTION

Y-0162

100% CO₂ 201.20 33 FI

APR 01, 1974 - APR 30, 1974

THE CHINESE GOV

	>47	MISS	TOTAL
.0667	.	.	.
.1444	.	.	.
.0778	.	.	.
.0167	.	.	.
.0069	.	.	.
.0033	.	.	.
.0056	.	.	.
.0131	.	.	.
.1625	.	.	.
.0917	.	.	.
.0514	.	.	.
.0319	.0014	.	.
.0319	.	.	.
.0403	.0069	.	.
.1139	.0014	.	.
.0903	.	.	.
.0417	.	.	.
.0	.	.	.
.0	.	.	.

1.0000

 $\nu(x), \nu$ 

ANALYSIS OF THE DISTRIBUTION OF SPEED AND DIRECTION

Y-6162

007-091-111

155

MAY 31, 1974 - MAY 31, 1974

[illegible]

0.001



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-3162

NO. 304320
1 P 1 35 F1

JUL 31, 1974 - JUL 30, 1974

WIND SPEED MPH

	0-3	4-7	8-12	13-16	17-24	25-31	32-39	39-46	>47	MISS	TOTAL
0-3	.0011	.0022	.0	.0	.0	.0	.0	.0	.0	.0042	.0264
4-7	.0000	.0036	.0021	.0	.0	.0	.0	.0	.0	.0347	.1069
8-12	.0104	.0150	.0014	.0	.0	.0	.0	.0	.0	.0292	.1819
13-16	.0031	.0111	.0	.0	.0	.0	.0	.0	.0	.0111	.0533
17-24	.0139	.0063	.0	.0	.0	.0	.0	.0	.0	.0042	.0264
25-31	.0133	.0059	.0	.0	.0	.0	.0	.0	.0	.0	.0222
32-39	.0042	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0292
39-46	.0039	.0042	.0	.0	.0	.0	.0	.0	.0	.0	.0347
>47	.0112	.0050	.0	.0	.0	.0	.0	.0	.0	.0	.0792
MISS	.0212	.0060	.0014	.0	.0	.0	.0	.0	.0	.0023	.1514
TOTAL	.0412	.0309	.0043	.0014	.0	.0	.0	.0	.0	.0014	.1222
	.0514	.0014	.0	.0	.0	.0	.0	.0	.0	.0	.0361
	.0071	.0111	.0	.0	.0	.0	.0	.0	.0	.0033	.0292
	.0042	.0020	.0	.0	.0	.0	.0	.0	.0	.0014	.0083
	.0030	.0023	.0	.0	.0	.0	.0	.0	.0	.0	.0033
	.0039	.0014	.0	.0	.0	.0	.0	.0	.0	.0014	.0097
	.0039	.0023	.0	.0	.0	.0	.0	.0	.0	.0097	.0681
	.0014									.0014	.0014
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	.0259	.02514	.0139	.0014	.0	.0	.0	.0	.0	.1033	1.0000

OF VALID DATA POINTS = 720
TOTAL MISSING PERCENT IN FREQUENCY DISTRIBUTION = 100.0

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON

I P 4 33 FT

JUL 01, 1974 - JUL 31, 1974

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
349-11 N	.0215	.0094	.0	.0	.0	.0	.0	.0	.0	.0027	.0336
12-33 NNE	.0525	.0794	.0081	.0	.0	.0	.0	.0	.0	.0013	.1413
34-56 NE	.0619	.0700	.0121	.0	.0	.0	.0	.0	.0	.0040	.1480
57-78 ENE	.0363	.0175	.0	.0	.0	.0	.0	.0	.0	.0	.0538
79-101 E	.0229	.0013	.0	.0	.0	.0	.0	.0	.0	.0013	.0256
102-123 ESE	.0108	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0108
124-146 SE	.0188	.0	.0	.0	.0	.0	.0	.0	.0	.0013	.0202
147-168 SSE	.0229	.0	.0	.0	.0	.0	.0	.0	.0	.0013	.0242
169-191 S	.0471	.0054	.0	.0	.0	.0	.0	.0	.0	.0	.0525
192-213 SSW	.0686	.0417	.0	.0	.0	.0	.0	.0	.0	.0	.1104
214-236 SW	.0113	.0444	.0081	.0	.0	.0	.0	.0	.0	.0054	.1292
237-258 WSW	.0229	.0162	.0027	.0	.0	.0	.0	.0	.0	.0027	.0444
259-281 W	.0310	.0094	.0013	.0	.0	.0	.0	.0	.0	.0054	.0471
282-303 WNW	.0215	.0202	.0	.0	.0	.0	.0	.0	.0	.0013	.0431
304-326 NW	.0175	.0108	.0027	.0	.0	.0	.0	.0	.0	.0027	.0336
327-348 NNW	.0081	.0040	.0	.0	.0	.0	.0	.0	.0	.0027	.0148
VAR	.0606	.0	.0	.0	.0	.0	.0	.0	.0	.0047	.0673
CALM	.0										.0
MISS	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0013
TOTAL	.5962	.3297	.0350	.0	.0	.0	.0	.0	.0	.0404	1.0000

NUMBER OF VALID DATA HOURS = 743

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 99.9

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 33 FT

AUG 01, 1974 - AUG 31, 1974

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
349-11	.0175	.0067	.0	.0	.0	.0	.0	.0	.0	.0013	.0255
12-33	.0484	.0349	.0040	.0	.0	.0	.0	.0	.0	.0	.0874
34-56	.1048	.0901	.0054	.0	.0	.0	.0	.0	.0	.0054	.2056
57-78	.0618	.0323	.0	.0	.0	.0	.0	.0	.0	.0040	.0981
79-101	.0323	.0040	.0	.0	.0	.0	.0	.0	.0	.0	.0363
102-123	.0108	.0013	.0	.0	.0	.0	.0	.0	.0	.0	.0121
124-146	.0148	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0148
147-168	.0121	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0121
169-191	.0323	.0	.0	.0	.0	.0	.0	.0	.0	.0027	.0349
192-213	.0927	.0309	.0027	.0	.0	.0	.0	.0	.0	.0013	.1277
214-236	.0954	.0672	.0215	.0	.0	.0	.0	.0	.0	.0013	.1841
237-258	.0323	.0054	.0	.0	.0	.0	.0	.0	.0	.0	.0390
259-281	.0202	.0040	.0	.0	.0	.0	.0	.0	.0	.0	.0242
282-303	.0121	.0040	.0	.0	.0	.0	.0	.0	.0	.0	.0161
304-320	.0108	.0054	.0	.0	.0	.0	.0	.0	.0	.0	.0161
327-348	.0134	.0027	.0	.0	.0	.0	.0	.0	.0	.0	.0161
VAR	.0484	.0	.0	.0	.0	.0	.0	.0	.0	.0013	.0497
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MISS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.6599	.2890	.0336	.0	.0	.0	.0	.0	.0	.0175	1.0000

NUMBER OF VALID DATA HOURS = 744

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 100.0

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 125 FT

OCT 01, 1973 - OCT 31, 1973

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
349-11 N	.0057	.0257	.0185	.0043	.0014	.0	.0	.0	.0	.0	.0555
12-23 NNE	.0086	.0357	.0228	.0100	.0014	.0	.0	.0	.0	.0	.0785
34-50 NE	.0014	.0713	.0342	.0043	.0	.0	.0	.0	.0	.0	.1113
57-78 ENE	.0057	.0171	.0257	.0114	.0014	.0	.0	.0	.0	.0	.0613
79-101 E	.0014	.0086	.0071	.0014	.0014	.0	.0	.0	.0	.0	.0200
102-123 ESE	.0	.0157	.0057	.0014	.0	.0	.0	.0	.0	.0	.0228
124-146 SE	.0014	.0086	.0086	.0	.0	.0	.0	.0	.0	.0	.0185
147-168 SSE	.0	.0143	.0043	.0	.0	.0	.0	.0	.0	.0	.0185
169-191 S	.0014	.0200	.0228	.0	.0	.0	.0	.0	.0	.0	.0442
192-213 SSW	.0014	.0200	.0157	.0071	.0	.0	.0	.0	.0	.0	.0442
214-236 SW	.0	.0128	.0171	.0086	.0	.0	.0	.0	.0	.0	.0385
237-256 WSW	.0	.0128	.0043	.0	.0	.0	.0	.0	.0	.0	.0171
257-281 W	.0057	.0114	.0043	.0	.0	.0	.0	.0	.0	.0	.0214
282-303 WNW	.0014	.0114	.0185	.0114	.0057	.0	.0	.0	.0	.0	.0485
304-326 NW	.0043	.0100	.0257	.0200	.0014	.0	.0	.0	.0	.0	.0613
327-348 NNW	.0014	.0100	.0157	.0143	.0	.0	.0	.0	.0	.0	.0414
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALA	.0100										.0100
MISS	.0328	.1355	.0927	.0228	.0029	.0	.0	.0	.0	.0	.3481
TOTAL	.0627	.4408	.3438	.1170	.0157	.0	.0	.0	.0	.0613	1.0000

NUMBER OF VALID DATA HOURS = 701

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 94.2

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4

125 FT

NOV 01, 1973 - NOV 30, 1973

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
349-11 N	.0097	.0042	.0153	.0111	.0042	.0014	.0	.0	.0	.0	.0459
12-33 NNE	.0056	.0125	.0362	.0209	.0042	.0	.0	.0	.0	.0	.0793
34-50 NE	.0028	.0195	.0111	.0223	.0028	.0	.0	.0	.0	.0	.0584
57-75 ENE	.0042	.0097	.0042	.0056	.0	.0	.0	.0	.0	.0	.0236
79-101 E	.0014	.0042	.0	.0	.0	.0	.0	.0	.0	.0	.0056
102-123 ESE	.0042	.0042	.0028	.0014	.0	.0	.0	.0	.0	.0	.0125
124-140 SE	.0	.0014	.0014	.0014	.0	.0	.0	.0	.0	.0	.0042
147-168 SSE	.0028	.0097	.0139	.0	.0	.0	.0	.0	.0	.0	.0264
169-191 S	.0028	.0445	.0264	.0033	.0	.0	.0	.0	.0	.0	.0321
192-213 SSW	.0042	.0195	.0473	.0139	.0	.0	.0	.0	.0	.0	.0876
214-230 SW	.0056	.0223	.0473	.0181	.0	.0	.0	.0	.0	.0	.0932
231-250 WSW	.0014	.0167	.0292	.0070	.0	.0	.0	.0	.0	.0	.0542
259-281 W	.0042	.0097	.0181	.0070	.0056	.0014	.0	.0	.0	.0	.0459
282-303 WNW	.0014	.0153	.0501	.0250	.0056	.0	.0	.0	.0	.0	.0974
304-320 NW	.0014	.0111	.0821	.0723	.0153	.0042	.0	.0	.0	.0	.1364
327-340 NNW	.0028	.0033	.0264	.0501	.0070	.0	.0	.0	.0	.0	.0946
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CAL.d	.0028										.0028
MISS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0014
TOTAL	.0570	.2128	.4145	.2643	.0445	.0070	.0	.0	.0	.0014	1.0000

NUMBER OF VALID DATA HOURS = 719

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 99.9



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON

I P 4 125 FT

DEC 01, 1973 - DEC 31, 1973

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
N	.0054	.0272	.0380	.0285	.0095	.0163	.0	.0	.0	.0	.1250
NNE	.0109	.0557	.0571	.0163	.0014	.0014	.0	.0	.0	.0014	.1440
NE	.0299	.0408	.0245	.0068	.0	.0	.0	.0	.0	.0014	.1033
ENE	.0095	.0149	.0041	.0	.0	.0	.0	.0	.0	.0	.0285
E	.0109	.0027	.0014	.0	.0	.0	.0	.0	.0	.0	.0149
ESE	.0054	.0041	.0	.0	.0	.0	.0	.0	.0	.0	.0095
SE	.0041	.0	.0014	.0	.0	.0	.0	.0	.0	.0	.0054
SSE	.0041	.0063	.0095	.0	.0	.0	.0	.0	.0	.0	.0204
S	.0109	.0109	.0063	.0122	.0014	.0	.0	.0	.0	.0	.0421
SSW	.0163	.0217	.0122	.0109	.0041	.0027	.0	.0	.0	.0	.0679
Sw	.0095	.0217	.0122	.0027	.0027	.0	.0	.0	.0	.0	.0489
WSw	.0122	.0122	.0054	.0014	.0	.0	.0	.0	.0	.0	.0313
W	.0122	.0032	.0054	.0041	.0	.0	.0	.0	.0	.0	.0299
WNW	.0095	.0109	.0231	.0109	.0014	.0	.0	.0	.0	.0	.0557
NW	.0027	.0063	.0593	.0652	.0068	.0041	.0014	.0	.0	.0014	.1431
NNW	.0063	.0109	.0231	.0258	.0054	.0	.0	.0	.0	.0	.0720
VAR	.0353	.0027	.0027	.0	.0	.0	.0	.0	.0	.0	.0408
CALA	.0										.0
MISS	.0027	.0041	.0	.0041	.0014	.0	.0	.0	.0	.0	.0231
TOTAL	.1934	.2622	.2867	.1889	.0340	.0245	.0014	.0	.0	.0149	1.0000

NUMBER OF VALID DATA HOURS = 730

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 98.9



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-3162

FOR: CON EDISON
I P 4 125 FT

JAN 01, 1974 - JAN 31, 1974

WIND
DIRECTION

WIND SPEED MPH

	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
09-10	.0223	.0327	.0193	.0119	.0	.0	.0	.0	.0	.0045	.0908
11-12	.0238	.0744	.0283	.0089	.0	.0	.0	.0	.0	.0298	.1652
13-14	.0223	.0432	.0104	.0	.0	.0	.0	.0	.0	.0089	.0848
15-16	.0179	.0119	.0	.0	.0	.0	.0	.0	.0	.0015	.0313
17-18	.0060	.0	.0	.0	.0	.0	.0	.0	.0	.0015	.0074
19-20	.0060	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0060
21-22	.0074	.0030	.0	.0	.0	.0	.0	.0	.0	.0015	.0119
23-24	.0149	.0045	.0	.0	.0	.0	.0	.0	.0	.0015	.0208
25-26	.0238	.0372	.0030	.0	.0	.0	.0	.0	.0	.0	.0640
27-28	.0417	.0268	.0119	.0030	.0	.0	.0	.0	.0	.0030	.0863
29-30	.0367	.0208	.0039	.0030	.0030	.0	.0	.0	.0	.0015	.0759
31-32	.0238	.0074	.0	.0	.0	.0	.0	.0	.0	.0	.0313
33-34	.0039	.0104	.0030	.0030	.0	.0	.0	.0	.0	.0	.0253
35-36	.0060	.0119	.0074	.0030	.0	.0	.0	.0	.0	.0	.0283
37-38	.0045	.0290	.0506	.0238	.0045	.0015	.0	.0	.0	.0045	.1190
39-40	.0060	.0149	.0432	.0238	.0	.0015	.0030	.0	.0	.0015	.0937
41-42	.0313	.0045	.0	.0	.0	.0	.0	.0	.0	.0104	.0461
43-44	.0045										.0045
45-46	.0015	.0060	.0	.0	.0	.0	.0	.0	.0		.1146
TOTAL	.3110	.3393	.1860	.0804	.0074	.0030	.0030	.0	.0	.1771	1.0000

NUMBER OF VALID DATA HOURS = 612

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 90.3

WIND VELOCITY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-3162

F013 C001 214333

125 FT

FEB 01, 1974 - FEB 23, 1974

WIND SPEED MPH

TOTAL

MISS

>47

39-46

32-38

25-31

19-24

13-18

07-12

01-06

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FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-3162

PORT COAST LIGHTHOUSE
1 P M 145 FT

MAR 01, 1974 - MAR 31, 1974

WIND SPEED MPH

	00-13	14-17	18-24	25-31	32-38	39-46	>47	MISS	TOTAL
00-13	.0013	.0213	.0321	.0143	.0057	.0	.0	.0108	.1051
14-17	.0132	.0304	.0296	.0013	.0	.0	.0	.0108	.0934
18-24	.0111	.0144	.0255	.0013	.0	.0	.0	.0263	.0649
25-31	.0140	.0011	.0	.0	.0	.0	.0	.0013	.0202
32-38	.0043	.0060	.0	.0	.0	.0	.0	.0	.0081
39-46	.0057	.0012	.0	.0	.0	.0	.0	.0027	.0108
>47	.0064	.0031	.0	.0	.0	.0	.0	.0	.0175
MISS	.0031	.0003	.0	.0	.0	.0	.0	.0	.0216
TOTAL	.0200	.0243	.0229	.0094	.0027	.0	.0	.0013	.0049
	.0032	.0179	.0051	.0054	.0027	.0	.0	.0	.0606
	.0034	.0039	.0003	.0001	.0	.0	.0	.0	.0431
	.0103	.0021	.0	.0013	.0	.0	.0	.0027	.0175
	.0113	.0053	.0057	.0054	.0	.0	.0	.0054	.0404
	.0034	.0121	.0120	.0155	.0027	.0	.0	.0202	.0660
	.0028	.0094	.0045	.0051	.0162	.0	.0	.0121	.1334
	.0151	.0135	.0300	.0074	.0139	.0067	.0013	.0067	.1604
	.0224	.0013	.0013	.0	.0	.0	.0	.0013	.0270
	.0	.0	.0	.0	.0	.0	.0	.0	.0
	.0	.0	.0	.0	.0	.0	.0	.0027	.0027
	.0031	.0034	.0205	.0172	.0094	.0013	.0	.1065	1.0000

WIND SPEED FREQUENCY DISTRIBUTION = 29.7

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-3162

PORT COAST STATION
1 P 4 125 FT

APR 01, 1974 - APR 30, 1974

WIND DIRECTION	WIND SPEED MPH										MISS	TOTAL
	00-05	06-07	08-12	13-16	19-24	25-31	32-38	39-46	>47			
00-11	.0000	.0264	.0361	.0270	.0014	.0	.0	.0	.0	.0	.0	.1000
12-23	.0125	.0520	.0403	.0203	.0	.0	.0	.0	.0	.0	.0	.1264
24-35	.0200	.0194	.0125	.0014	.0	.0	.0	.0	.0	.0	.0	.0542
36-47	.0000	.0042	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0139
48-59	.0025	.0025	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0056
60-71	.0042	.0025	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0069
72-83	.0042	.0025	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0042
84-95	.0000	.0014	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0181
96-107	.0000	.0056	.0042	.0	.0	.0	.0	.0	.0	.0	.0014	.1972
108-119	.0270	.0047	.0031	.0153	.0	.0	.0	.0	.0	.0	.0028	.0847
120-131	.224	.0250	.0139	.0181	.0028	.0	.0	.0	.0	.0	.0	.0444
132-143	.0033	.0125	.0069	.0125	.0042	.0	.0	.0	.0	.0	.0	.0319
144-155	.0133	.0042	.0042	.0063	.0	.0	.0	.0	.0	.0	.0	.0208
156-167	.0000	.0056	.0025	.0023	.0	.0	.0	.0	.0	.0	.0	.0556
168-179	.0000	.0097	.0264	.0111	.0042	.0	.0	.0	.0	.0	.0	.1153
180-191	.0025	.0097	.0500	.0403	.0125	.0	.0	.0	.0	.0	.0	.0903
192-203	.0042	.0097	.0361	.0375	.0014	.0014	.0	.0	.0	.0	.0	.0292
204-215	.0264	.0014	.0014	.0	.0	.0	.0	.0	.0	.0	.0	.0
216-227	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0014
228-239	.0014	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0042	1.0000
240-251	.1917	.2773	.3023	.1953	.0264	.0014	.0	.0	.0	.0	.0	

PERCENT TOTAL WIND SPEED = 100.0
 PERCENT TOTAL WIND DIRECTION = 100.0



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-3162

10.5 CO. 24137
11 125 FT

JUL 01, 1974 - JUL 30, 1974

WIND SPEED MPH

	0-5	5-11	11-12	13-14	15-16	17-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
01-11	.0125	.0125	.0125	.0014	.0	.0	.0	.0	.0	.0	.0	.0	.0450
02-12	.0357	.0357	.0035	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.1139
03-13	.102	.102	.0139	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1569
04-14	.0067	.0067	.004	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0270
05-15	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0222
06-16	.0167	.0167	.0013	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0319
07-17	.0075	.0075	.0039	.0014	.0	.0	.0	.0	.0	.0	.0	.0	.0472
08-18	.0273	.0273	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0639
09-19	.0035	.0035	.0035	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.1500
10-20	.0035	.0035	.0035	.0023	.0	.0	.0	.0	.0	.0	.0	.0	.1000
11-21	.0125	.0125	.0035	.0014	.0	.0	.0014	.0	.0	.0	.0	.0	.0075
12-22	.0035	.0035	.0035	.0023	.0	.0	.0	.0	.0	.0	.0	.0	.0306
13-23	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0292
14-24	.0035	.0035	.0035	.0014	.0	.0	.0	.0	.0	.0	.0	.0	.0264
15-25	.0062	.0062	.0035	.0023	.0	.0	.0	.0	.0	.0	.0	.0	.0292
16-26	.0062	.0062	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0069
17-27	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0306
18-28	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19-29	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-30	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21-31	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22-32	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-33	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24-34	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25-35	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-36	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27-37	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28-38	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29-39	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30-40	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31-41	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32-42	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-43	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34-44	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35-45	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36-46	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37-47	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
38-48	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39-49	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40-50	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-51	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42-52	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43-53	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44-54	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45-55	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
46-56	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47-57	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48-58	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-59	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50-60	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51-61	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52-62	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53-63	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54-64	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55-65	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56-66	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57-67	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58-68	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59-69	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60-70	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-71	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62-72	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63-73	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64-74	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65-75	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66-76	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67-77	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68-78	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69-79	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70-80	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-81	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72-82	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73-83	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74-84	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75-85	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76-86	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77-87	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78-88	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79-89	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80-90	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81-91	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82-92	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83-93	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84-94	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85-95	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
86-96	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87-97	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88-98	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
89-99	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90-100	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
91-101	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
92-102	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
93-103	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
94-104	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95-105	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
96-106	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
97-107	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
98-108	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
99-109	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
100-110	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
101-111	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
102-112	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
103-113	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
104-114	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
105-115	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
106-116	.0035	.0035	.0035	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
107-117	.0035	.0035	.0035	.0	.0								

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON

I P 4 125 FT

JUL 01, 1974 - JUL 31, 1974

WIND DIRECTION	WIND SPEED MPH										MISS	TOTAL
	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47			
349-11	.0121	.0215	.0444	.0148	.0	.0	.0	.0	.0	.0	.0	.0927
12-33	.0228	.0363	.0444	.0094	.0	.0	.0	.0	.0	.0	.0	.1129
34-56	.0228	.0780	.0121	.0040	.0	.0	.0	.0	.0	.0	.0	.1169
57-78	.0134	.0202	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0336
79-101	.0094	.0067	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0161
102-123	.0121	.0013	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0134
124-146	.0161	.0081	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0242
147-168	.0148	.0255	.0094	.0	.0	.0	.0	.0	.0	.0	.0	.0497
169-191	.0148	.0417	.0282	.0108	.0	.0	.0	.0	.0	.0	.0	.0954
192-213	.0148	.0363	.0215	.0	.0	.0	.0	.0	.0	.0	.0	.0726
214-236	.0202	.0511	.0148	.0027	.0	.0	.0	.0	.0	.0	.0	.0887
237-258	.0081	.0215	.0148	.0081	.0	.0	.0	.0	.0	.0	.0	.0524
259-281	.0175	.0188	.0054	.0	.0013	.0	.0	.0	.0	.0	.0	.0430
282-303	.0054	.0202	.0269	.0027	.0	.0	.0	.0	.0	.0	.0	.0551
304-326	.0121	.0148	.0228	.0081	.0040	.0	.0	.0	.0	.0	.0	.0618
327-348	.0067	.0161	.0134	.0054	.0	.0	.0	.0	.0	.0	.0	.0417
VAR	.0269	.0027	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0296
CALM	.0											.0
MISS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.2500	.4207	.2581	.0659	.0054	.0	.0	.0	.0	.0	.0	1.0000

744

NUMBER OF VALID DATA HOURS =

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION =

100.0



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

FOR: CON EDISON

Y-8162

I P 4 125 FT

AUG 01, 1974 - AUG 31, 1974

WIND DIRECTION		WIND SPEED MPH									MISS	TOTAL
		00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47		
349-11	N	.0215	.0282	.0161	.0	.0013	.0	.0	.0	.0	.0	.0672
12-33	NNE	.0242	.0390	.0188	.0013	.0	.0	.0	.0	.0	.0	.0833
34-56	NE	.0376	.1573	.0175	.0	.0	.0	.0	.0	.0	.0	.2124
57-78	ENE	.0269	.0202	.0067	.0	.0	.0	.0	.0	.0	.0	.0538
79-101	E	.0108	.0094	.0027	.0	.0	.0	.0	.0	.0	.0	.0228
102-123	ESE	.0040	.0013	.0	.0	.0	.0	.0	.0	.0	.0	.0054
124-146	SE	.0161	.0013	.0027	.0	.0	.0	.0	.0	.0	.0	.0202
147-168	SSE	.0121	.0134	.0	.0	.0	.0	.0	.0	.0	.0	.0255
169-191	S	.0202	.0430	.0121	.0054	.0	.0	.0	.0	.0	.0	.0806
192-213	SSW	.0363	.0484	.0282	.0027	.0013	.0	.0	.0	.0	.0	.1169
214-236	SW	.0349	.0538	.0296	.0188	.0	.0	.0	.0	.0	.0	.1371
237-258	WSW	.0215	.0094	.0027	.0013	.0	.0	.0	.0	.0	.0	.0349
259-281	W	.0188	.0054	.0054	.0	.0	.0	.0	.0	.0	.0	.0296
282-303	WNW	.0108	.0121	.0067	.0	.0	.0	.0	.0	.0	.0	.0296
304-326	NW	.0040	.0081	.0121	.0	.0	.0	.0	.0	.0	.0	.0242
327-348	NNW	.0121	.0121	.0054	.0013	.0	.0	.0	.0	.0	.0	.0309
VAR		.0255	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0255
CALM		.0										.0
MISS		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL		.3374	.4624	.1667	.0309	.0027	.0	.0	.0	.0	.0	1.0000

NUMBER OF VALID DATA HOURS = 744

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 100.0

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON

I P 4 280 FT

OCT 01, 1973 - OCT 31, 1973

WIND SPEED MPH

WIND DIRECTION

	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
349-11 N	.0103	.0235	.0308	.0220	.0015	.0	.0	.0	.0	.0015	.0896
12-33 NNE	.0338	.0470	.0396	.0220	.0	.0	.0	.0	.0	.0	.1424
34-50 NE	.0088	.0514	.0470	.0117	.0	.0	.0	.0	.0	.0015	.1204
51-70 ENE	.0103	.0044	.0162	.0088	.0	.0	.0	.0	.0	.0015	.0411
71-101 E	.0044	.0103	.0132	.0073	.0103	.0029	.0	.0	.0	.0015	.0499
102-123 ESE	.0073	.0044	.0103	.0059	.0	.0	.0	.0	.0	.0015	.0294
124-146 SE	.0088	.0073	.0059	.0	.0015	.0	.0	.0	.0	.0029	.0264
147-168 SSE	.0088	.0029	.0059	.0	.0	.0	.0	.0	.0	.0	.0176
169-191 S	.0059	.0220	.0176	.0073	.0	.0	.0	.0	.0	.0015	.0543
192-213 SSW	.0250	.0352	.0264	.0015	.0	.0	.0	.0	.0	.0044	.0925
214-236 SW	.0176	.0352	.0088	.0162	.0	.0	.0	.0	.0	.0029	.0808
237-258 WSW	.0132	.0220	.0059	.0	.0	.0	.0	.0	.0	.0044	.0455
259-281 W	.0029	.0147	.0103	.0015	.0	.0	.0	.0	.0	.0029	.0323
282-303 WNW	.0029	.0162	.0206	.0088	.0	.0	.0	.0	.0	.0015	.0499
304-326 NW	.0044	.0132	.0132	.0323	.0015	.0	.0	.0	.0	.0044	.0690
327-348 NNW	.0088	.0083	.0132	.0147	.0059	.0	.0	.0	.0	.0	.0514
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0044										.0044
MISS	.0	.0015	.0015	.0	.0	.0	.0	.0	.0	.0	.0954
TOTAL	.1777	.3201	.2803	.1601	.0206	.0029	.0	.0	.0	.1248	1.0000

681

NUMBER OF VALID DATA HOURS = 681
PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 91.5

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON

I P 4 280 FT

NOV 01, 1973 - NOV 30, 1973

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
349-11	.0	.0014	.0083	.0139	.0111	.0028	.0	.0	.0	.0	.0376
12-33	.0042	.0125	.0236	.0181	.0083	.0014	.0	.0	.0	.0	.0682
34-56	.0	.0167	.0097	.0097	.0	.0	.0	.0	.0	.0	.0362
57-76	.0111	.0033	.0014	.0	.0	.0	.0	.0	.0	.0	.0209
79-101	.0070	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0070
102-123	.0033	.0028	.0	.0	.0	.0	.0	.0	.0	.0	.0111
124-146	.0097	.0111	.0	.0	.0	.0	.0	.0	.0	.0	.0209
147-168	.0042	.0167	.0056	.0	.0	.0	.0	.0	.0	.0	.0264
169-191	.0097	.0339	.0209	.0028	.0	.0	.0	.0	.0	.0	.0723
192-213	.0111	.0181	.0362	.0042	.0014	.0	.0	.0	.0	.0	.0709
214-236	.0111	.0125	.0570	.0334	.0014	.0	.0	.0	.0	.0	.1154
237-258	.0056	.0125	.0195	.0264	.0028	.0	.0	.0	.0	.0	.0668
259-281	.0083	.0042	.0125	.0125	.0070	.0	.0	.0	.0	.0014	.0459
282-303	.0042	.0042	.0306	.0264	.0097	.0028	.0014	.0	.0	.0042	.0834
304-326	.0028	.0056	.0529	.0765	.0417	.0139	.0014	.0	.0	.0	.1947
327-348	.0056	.0111	.0181	.0529	.0254	.0	.0014	.0	.0	.0	.1154
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0014										.0014
MISS	.0	.0028	.0028	.0	.0	.0	.0	.0	.0	.0	.0070
TOTAL	.1043	.1794	.2990	.2768	.1099	.0209	.0042	.0	.0	.0070	1.0000

NUMBER OF VALID DATA HOURS = 119
 PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 99.9



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8132

FOR: CON EDISON
I P 4

280 FT

DEC 01, 1973 - DEC 31, 1973

WIND DIRECTION	WIND SPEED mph										MISS	TOTAL
	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47			
349-11 N	.0054	.0190	.0285	.0244	.0149	.0081	.0190	.0041	.0	.0	.0	.1233
12-33 NNE	.0027	.0230	.0285	.0339	.0027	.0014	.0	.0	.0	.0	.0054	.0976
34-56 NE	.0095	.0312	.0176	.0136	.0	.0	.0	.0	.0	.0	.0095	.0813
57-76 ENE	.0095	.0031	.0041	.0041	.0	.0	.0	.0	.0	.0	.0027	.0285
79-101 E	.0041	.0027	.0	.0	.0	.0	.0	.0	.0	.0	.0014	.0031
102-123 ESE	.0054	.0066	.0014	.0	.0	.0	.0	.0	.0	.0	.0	.0136
124-146 SE	.0027	.0027	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0054
147-168 SSE	.0041	.0025	.0068	.0014	.0	.0	.0	.0	.0	.0	.0	.0217
169-191 S	.0095	.0230	.0136	.0041	.0149	.0041	.0041	.0	.0	.0	.0	.0732
192-213 SSW	.0068	.0149	.0108	.0014	.0014	.0054	.0	.0	.0	.0	.0	.0407
214-236 SW	.0122	.0244	.0230	.0122	.0	.0	.0	.0	.0	.0	.0	.0718
237-258 WSW	.0122	.0103	.0041	.0	.0	.0	.0	.0	.0	.0	.0	.0271
259-281 W	.0014	.0054	.0054	.0027	.0	.0	.0	.0	.0	.0	.0	.0149
282-303 WNW	.0	.0031	.0203	.0257	.0014	.0	.0	.0	.0	.0	.0	.0556
304-326 NW	.0027	.0041	.0257	.0583	.0271	.0054	.0041	.0014	.0	.0	.0	.1237
327-346 NNW	.0	.0122	.0203	.0217	.0136	.0	.0	.0	.0	.0	.0	.0678
VAR	.0136	.0041	.0014	.0	.0	.0	.0	.0	.0	.0	.0	.0190
CALM	.0											.0
MISS	.0447	.0244	.0190	.0339	.0	.0	.0	.0	.0	.0	.0	.1301
TOTAL	.1463	.2344	.2304	.2371	.0759	.0244	.0271	.0054	.0	.0271	.0	1.0000

NUMBER OF VALID DATA HOURS = 738

HOURS PRESENT IN FREQUENCY DISTRIBUTION = 99.2

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON

I P 4 280 FT

JAN 01, 1974 - JAN 31, 1974

WIND
DIRECTION

WIND SPEED MPH

	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
00-03	.0105	.0135	.0130	.0120	.0	.0	.0	.0	.0	.0105	.0644
N	.0120	.0254	.0299	.0359	.0045	.0	.0	.0	.0	.0629	.1707
NNE	.0135	.0539	.0120	.0015	.0015	.0	.0	.0	.0	.0120	.0943
NE	.0075	.0060	.0015	.0	.0	.0	.0	.0	.0	.0030	.0130
ENE	.0090	.0015	.0	.0	.0	.0	.0	.0	.0	.0115	.0120
E	.0030	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0075
ESE	.0075	.0	.0	.0	.0	.0	.0	.0	.0	.0060	.0135
SE	.0090	.0090	.0	.0	.0	.0	.0	.0	.0	.0	.0130
SSE	.0299	.0314	.0060	.0030	.0	.0	.0	.0	.0	.0045	.0749
S	.0299	.0240	.0130	.0015	.0	.0	.0	.0	.0	.0015	.0749
SSW	.0240	.0509	.0195	.0135	.0060	.0	.0	.0	.0	.0	.1138
SW	.0195	.0165	.0015	.0015	.0	.0	.0	.0	.0	.0	.0299
WSW	.0135	.0120	.0360	.0030	.0	.0	.0	.0	.0	.0	.0344
W	.0360	.0075	.0075	.0030	.0015	.0	.0	.0	.0	.0	.0254
WNW	.0090	.0165	.0404	.0389	.0075	.0	.0030	.0	.0	.0090	.1302
W	.0030	.0195	.0269	.0359	.0030	.0030	.0	.0015	.0	.0075	.1003
WNW	.0105	.0030	.0	.0	.0	.0	.0	.0	.0	.0030	.0165
Var	.0015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0015
Calcd	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1138
TOTAL	.2096	.2904	.1931	.1497	.0240	.0030	.0030	.0015	.0	.2395	1.0000

89.8

FREQUENCY DISTRIBUTION =

608

NUMBER OF VALID DATA HOURS =

608



PERCENTAGE DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-3162

10.12 MPH 210 FT

FEB 01, 1974 - FEB 28, 1974

WIND SPEED MPH

TOTAL

WISS

>47

39-46

32-39

25-31

19-24

13-18

07-12

01-06

00-03

.0640

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.2530

.0

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.0

.0030

.0327

.0179

.0223

.0019

.0019

.0670

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.0

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.0

.0

.0015

.0374

.0179

.0223

.0019

.0019

.0104

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PREDICTION DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-3162

FOR COL. 311.804

IP 4 200 P.

APR 01, 1974 - APR 30, 1974

WIND SPEED MPH

	0-5	6-11	12-15	16-19	20-24	25-31	32-38	39-46	>47	AISS	TOTAL
0-5	.0000	.0139	.0157	.0250	.0327	.0	.0	.0	.0	.0	.0722
6-11	.0000	.0300	.0436	.0423	.0270	.0	.0	.0	.0	.0	.1583
12-15	.0000	.0139	.0255	.0357	.0	.0	.0	.0	.0	.0	.0486
16-19	.0000	.0053	.0020	.0014	.0	.0	.0	.0	.0	.0	.0167
20-24	.0000	.0020	.0	.0	.0	.0	.0	.0	.0	.0	.0111
25-31	.0000	.0000	.0	.0	.0	.0	.0	.0	.0	.0	.0059
32-38	.0000	.0000	.0	.0	.0	.0	.0	.0	.0	.0	.0056
39-46	.0000	.0000	.0	.0	.0	.0	.0	.0	.0	.0	.0111
>47	.0000	.0000	.0	.0	.0	.0	.0	.0	.0	.0	.1792
AISS	.0000	.0011	.0039	.0375	.0093	.0	.0	.0	.0	.0	.0333
TOTAL	.0000	.0151	.0272	.0264	.0	.0	.0	.0	.0	.0	.0333
0-5	.0000	.0139	.0097	.0222	.0111	.0125	.0	.0	.0	.0	.0270
6-11	.0000	.0035	.0055	.0111	.0028	.0	.0	.0	.0	.0	.0222
12-15	.0000	.0000	.0000	.0000	.0	.0	.0	.0	.0	.0	.0375
16-19	.0000	.0000	.0111	.0125	.0028	.0	.0	.0	.0	.0	.1403
20-24	.0000	.0000	.0000	.0000	.0306	.0056	.0014	.0	.0	.0	.0750
25-31	.0000	.0000	.0000	.0000	.0056	.0014	.0	.0	.0	.0	.0194
32-38	.0000	.0000	.0	.0	.0	.0	.0	.0	.0	.0	.0014
39-46	.0000	.0000	.0	.0	.0	.0	.0	.0	.0	.0	.0
>47	.0000	.0000	.0	.0	.0	.0	.0	.0	.0	.0	.0
AISS	.0000	.0021	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.0000	.0021	.0	.0	.0	.0	.0	.0	.0	.0	.0

1.0000

PREDICTION DISTRIBUTION = 100.0



PROB. Y-3162

Y-3162

1000 Gals. 200 FT

APR 01, 1974 - MAY 31, 1974

WIND SPEED MPH

	0-12	13-12	13-13	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
0-1	.0232	.0117	.0361	.0057	.0013	.0	.0	.0	.0	.0659
1-11	.0242	.0213	.0213	.0013	.0	.0	.0	.0	.0	.0927
11-21	.0213	.0131	.0254	.0	.0	.0	.0	.0	.0	.0645
21-31	.0213	.0213	.0	.0	.0	.0	.0	.0	.0	.0417
31-41	.0131	.0213	.0	.0	.0	.0	.0	.0	.0	.0226
41-51	.0131	.0	.0013	.0	.0	.0	.0	.0	.0	.0133
51-61	.0131	.0	.0	.0	.0	.0	.0	.0	.0	.0296
61-71	.0131	.0027	.0	.0	.0	.0	.0	.0	.0	.0444
71-81	.0131	.0027	.0027	.0	.0	.0	.0	.0	.0	.0277
81-91	.0131	.0027	.0027	.0161	.0013	.0013	.0	.0	.0	.1062
91-101	.0131	.0027	.0027	.0040	.0	.0	.0013	.0	.0	.0470
101-111	.0131	.0027	.0027	.0013	.0	.0	.0	.0	.0	.0269
111-121	.0131	.0027	.0027	.0	.0	.0	.0	.0	.0	.0296
121-131	.0131	.0027	.0027	.0013	.0	.0	.0	.0	.0	.0390
131-141	.0131	.0027	.0027	.0027	.0013	.0	.0	.0	.0	.0074
141-151	.0027	.0027	.0027	.0027	.0027	.0010	.0013	.0	.0	.0464
151-161	.0027	.0027	.0027	.0027	.0027	.0	.0	.0	.0	.0161
161-171	.0013	.0013	.0	.0	.0	.0	.0	.0	.0	.0013
171-181	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
181-191	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
191-201	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
201-211	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
211-221	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
221-231	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
231-241	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
241-251	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
251-261	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
261-271	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
271-281	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
281-291	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
291-301	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
301-311	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
311-321	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
321-331	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
331-341	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
341-351	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
351-361	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
361-371	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
371-381	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
381-391	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
391-401	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
401-411	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
411-421	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
421-431	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
431-441	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
441-451	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
451-461	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
461-471	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
471-481	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
481-491	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
491-501	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
501-511	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
511-521	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
521-531	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
531-541	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
541-551	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
551-561	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
561-571	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
571-581	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
581-591	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
591-601	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
601-611	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
611-621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
621-631	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
631-641	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
641-651	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
651-661	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
661-671	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
671-681	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
681-691	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
691-701	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
701-711	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
711-721	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
721-731	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
731-741	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
741-751	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
751-761	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
761-771	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
771-781	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
781-791	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
791-801	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
801-811	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
811-821	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
821-831	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
831-841	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
841-851	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
851-861	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
861-871	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
871-881	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
881-891	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
891-901	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
901-911	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
911-921	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
921-931	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
931-941	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
941-951	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
951-961	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
961-971	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
971-981	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
981-991	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
991-1001	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

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FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 280 FT

JUL 01, 1974 - JUL 31, 1974

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
349-11	.0161	.0202	.0296	.0228	.0040	.0	.0	.0	.0	.0	.0927
12-33	.0121	.0457	.0403	.0457	.0013	.0	.0	.0	.0	.0	.1452
34-56	.0242	.0282	.0215	.0054	.0013	.0	.0	.0	.0	.0	.0806
57-78	.0094	.0094	.0	.0	.0	.0	.0	.0	.0	.0	.0188
79-101	.0108	.0054	.0	.0	.0	.0	.0	.0	.0	.0	.0161
102-123	.0081	.0040	.0	.0	.0	.0	.0	.0	.0	.0	.0121
124-146	.0134	.0067	.0	.0	.0	.0	.0	.0	.0	.0	.0202
147-168	.0108	.0108	.0067	.0	.0	.0	.0	.0	.0	.0	.0282
169-191	.0121	.0336	.0349	.0228	.0	.0	.0	.0	.0	.0	.1035
192-213	.0134	.0255	.0336	.0054	.0	.0	.0	.0	.0	.0	.0780
214-236	.0202	.0511	.0255	.0013	.0	.0	.0	.0	.0	.0	.0981
237-258	.0108	.0202	.0148	.0228	.0	.0	.0	.0	.0	.0	.0685
259-281	.0081	.0161	.0323	.0134	.0040	.0	.0	.0	.0	.0	.0739
282-303	.0108	.0148	.0108	.0134	.0013	.0	.0	.0	.0	.0	.0511
304-326	.0067	.0134	.0215	.0040	.0040	.0027	.0	.0	.0	.0	.0524
327-348	.0081	.0134	.0094	.0108	.0	.0	.0	.0	.0	.0	.0417
VAR	.0188	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0188
CALM	.0										.0
MISS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.2137	.3185	.2809	.1680	.0161	.0027	.0	.0	.0	.0	1.0000

NUMBER OF VALID DATA HOURS = 744

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 100.0

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 280 FT

AUG 01, 1974 - AUG 31, 1974

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
349- 11	.0136	.0299	.0095	.0027	.0	.0014	.0	.0	.0	.0	.0571
12- 33	.0231	.0516	.0326	.0082	.0014	.0	.0	.0	.0	.0	.1168
34- 56	.0245	.0747	.0204	.0014	.0	.0	.0	.0	.0	.0	.1209
57- 78	.0272	.0122	.0082	.0	.0	.0	.0	.0	.0	.0	.0476
79-101	.0190	.0122	.0082	.0	.0	.0	.0	.0	.0	.0	.0394
102-123	.0122	.0027	.0	.0	.0	.0	.0	.0	.0	.0	.0149
124-146	.0136	.0027	.0014	.0	.0	.0	.0	.0	.0	.0	.0177
147-168	.0068	.0082	.0014	.0	.0	.0	.0	.0	.0	.0	.0163
169-191	.0231	.0272	.0177	.0095	.0	.0	.0	.0	.0	.0	.0774
192-213	.0313	.0353	.0255	.0082	.0	.0	.0	.0	.0	.0	.1033
214-236	.0326	.0408	.0476	.0258	.0082	.0	.0	.0	.0	.0	.1549
237-258	.0149	.0136	.0068	.0054	.0014	.0	.0	.0	.0	.0	.0421
259-281	.0136	.0177	.0041	.0027	.0	.0	.0	.0	.0	.0	.0380
282-303	.0122	.0082	.0109	.0068	.0014	.0	.0	.0	.0	.0	.0394
304-326	.0082	.0054	.0163	.0	.0	.0	.0	.0	.0	.0	.0299
327-348	.0041	.0054	.0068	.0027	.0	.0	.0	.0	.0	.0	.0190
VAR	.0177	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0177
CALM	.0204										.0204
MISS	.0082	.0109	.0082	.0	.0	.0	.0	.0	.0	.0	.0380
TOTAL	.3261	.3587	.2283	.0734	.0122	.0014	.0	.0	.0	.0109	1.0000

NUMBER OF VALID DATA HOURS = 736
PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 98.9



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 400 FT

OCT 01, 1973 - OCT 31, 1973

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MIS3	TOTAL
349-11 N	.0053	.0174	.0232	.0261	.0029	.0	.0	.0	.0	.0014	.0768
12-33 NNE	.0043	.0261	.0478	.0333	.0	.0	.0	.0	.0	.0	.1116
34-56 NE	.0043	.0319	.0246	.0145	.0	.0	.0	.0	.0	.0	.0754
57-76 ENE	.0072	.0043	.0058	.0159	.0043	.0	.0	.0	.0	.0	.0377
79-101 E	.0043	.0072	.0087	.0159	.0072	.0072	.0029	.0	.0	.0	.0336
102-123 ESE	.0029	.0053	.0029	.0043	.0014	.0	.0	.0	.0	.0014	.0188
124-146 SE	.0029	.0072	.0101	.0029	.0014	.0	.0	.0	.0	.0	.0246
147-166 SSE	.0037	.0130	.0072	.0	.0	.0	.0	.0	.0	.0	.0290
169-191 S	.0174	.0348	.0188	.0087	.0	.0	.0	.0	.0	.0	.0797
192-213 SSW	.0101	.0348	.0203	.0203	.0014	.0	.0	.0	.0	.0043	.0913
214-236 SW	.0159	.0464	.0290	.0217	.0087	.0029	.0	.0	.0	.0014	.1261
237-256 WSW	.0087	.0174	.0130	.0029	.0	.0	.0	.0	.0	.0043	.0464
259-281 W	.0043	.0188	.0072	.0029	.0	.0	.0	.0	.0	.0	.0333
282-303 WNW	.0014	.0087	.0174	.0116	.0072	.0	.0	.0	.0	.0	.0464
304-326 NW	.0014	.0130	.0159	.0232	.0058	.0029	.0	.0	.0	.0	.0623
327-348 NNW	.0101	.0130	.0174	.0261	.0101	.0043	.0	.0	.0	.0014	.0826
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0										.0
MIS3	.0	.0014	.0029	.0	.0	.0	.0	.0	.0	.0	.0826
TOTAL	.1101	.3014	.2725	.2304	.0507	.0174	.0029	.0	.0	.0928	1.0000

NUMBER OF VALID DATA HOURS = 690

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 92.7



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 400 FT

NOV 01, 1973 - NOV 30, 1973

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
N	.0056	.0042	.0168	.0084	.0112	.0014	.0	.0	.0	.0	.0475
NNE	.0014	.0084	.0265	.0184	.0070	.0014	.0	.0	.0	.0	.0531
NE	.0028	.0098	.0042	.0126	.0042	.0	.0	.0	.0	.0	.0235
ENE	.0	.0042	.0014	.0	.0	.0	.0	.0	.0	.0	.0056
E	.0	.0070	.0	.0	.0	.0	.0	.0	.0	.0	.0070
ESE	.0070	.0070	.0	.0	.0	.0	.0	.0	.0	.0	.0140
SE	.0056	.0140	.0014	.0	.0	.0	.0	.0	.0	.0	.0209
SSE	.0028	.0108	.0042	.0	.0	.0	.0	.0	.0	.0	.0237
S	.0	.0205	.0182	.0056	.0	.0	.0	.0	.0	.0	.0503
SSW	.0056	.0293	.0293	.0098	.0056	.0	.0	.0	.0	.0	.0796
SW	.0042	.0182	.0475	.0321	.0056	.0	.0	.0	.0	.0	.1075
WSW	.0014	.0126	.0182	.0307	.0084	.0	.0	.0	.0	.0	.0712
W	.0014	.0140	.0154	.0098	.0056	.0	.0	.0	.0	.0	.0461
WNW	.0042	.0112	.0196	.0419	.0140	.0084	.0014	.0	.0	.0	.1006
NW	.0070	.0120	.0419	.0098	.0391	.0168	.0014	.0	.0	.0	.1835
NNW	.0	.0042	.0279	.0559	.0349	.0056	.0	.0	.0	.0	.1285
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALA	.0										.0
MISS	.0056	.0112	.0014	.0028	.0014	.0	.0	.0	.0	.0056	.0279
TOTAL	.0545	.2109	.2737	.2877	.1369	.0335	.0028	.0	.0	.0056	1.0000

NUMBER OF VALID DATA HOURS = 716

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 99.4



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON

I P 4 400 FT

DEC 01, 1973 - DEC 31, 1973

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
N	.0096	.0150	.0260	.0246	.0096	.0	.0	.0	.0	.0	.0848
NNE	.0014	.0260	.0451	.0520	.0123	.0082	.0164	.0082	.0	.0055	.1751
NE	.0027	.0150	.0178	.0123	.0041	.0	.0	.0	.0	.0082	.0602
ENE	.0014	.0109	.0055	.0027	.0	.0	.0	.0	.0	.0041	.0246
E	.0041	.0096	.0	.0	.0	.0	.0	.0	.0	.0014	.0150
ESE	.0027	.0096	.0014	.0	.0	.0	.0	.0	.0	.0	.0137
SE	.0041	.0055	.0014	.0014	.0	.0	.0	.0	.0	.0	.0123
SSE	.0041	.0068	.0055	.0068	.0	.0	.0	.0	.0	.0	.0233
S	.0109	.0301	.0205	.0055	.0027	.0082	.0055	.0	.0	.0	.0334
SSW	.0032	.0356	.0178	.0032	.0068	.0082	.0	.0	.0	.0	.0848
SW	.0068	.0237	.0219	.0068	.0014	.0014	.0	.0	.0	.0014	.0664
WSW	.0055	.0137	.0082	.0	.0	.0	.0	.0	.0	.0027	.0301
W	.0055	.0055	.0027	.0055	.0	.0	.0	.0	.0	.0041	.0233
WNW	.0027	.0068	.0137	.0219	.0082	.0	.0	.0	.0	.0014	.0547
NW	.0	.0096	.0219	.0616	.0342	.0041	.0041	.0027	.0	.0041	.1423
NNW	.0041	.0014	.0192	.0356	.0123	.0	.0	.0	.0	.0	.0725
VAR	.0205	.0	.0014	.0027	.0	.0	.0	.0	.0	.0	.0246
CALM	.0	.0	.0014	.0041	.0	.0014	.0	.0	.0	.0	.0
MISS	.0	.0	.0014	.0041	.0	.0014	.0	.0	.0	.0	.0246
TOTAL	.0944	.2298	.2312	.2517	.0917	.0315	.0260	.0109	.0	.0506	1.0000

NUMBER OF VALID DATA HOURS = 731

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 98.3

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 400 Ft

JAN 01, 1974 - JAN 31, 1974

WIND
DIRECTION

WIND SPEED MPH

00-03 04-07 08-12 13-18 19-24 25-31 32-38 39-46 >47 MISS TOTAL

300-11 N	.0060	.0136	.0151	.0091	.0	.0	.0	.0	.0045	.0483
12-33 NE	.0091	.0363	.0483	.0423	.0076	.0	.0	.0	.0272	.1707
34-56 NE	.0106	.0378	.0045	.0015	.0	.0	.0	.0	.0030	.0574
57-75 NE	.0076	.0196	.0045	.0	.0	.0	.0	.0	.0015	.0332
76-101 E	.0045	.0	.0015	.0	.0	.0	.0	.0	.0015	.0076
102-123 ESE	.0076	.0	.0	.0	.0	.0	.0	.0	.0015	.0091
124-146 SE	.0060	.0	.0	.0	.0	.0	.0	.0	.0015	.0076
147-168 SSE	.0106	.0076	.0	.0	.0	.0	.0	.0	.0	.0181
169-191 S	.0136	.0363	.0091	.0030	.0	.0	.0	.0	.0045	.0665
192-213 SSW	.0211	.0196	.0196	.0045	.0	.0	.0	.0	.0015	.0665
214-236 S	.0211	.0559	.0257	.0181	.0015	.0	.0	.0	.0	.1208
237-258 SSW	.0166	.0136	.0060	.0015	.0	.0	.0	.0	.0	.0393
259-281 W	.0151	.0242	.0015	.0045	.0	.0	.0	.0	.0	.0453
282-303 WNW	.0091	.0045	.0196	.0060	.0030	.0	.0	.0	.0015	.0347
304-326 W	.0076	.0151	.0453	.0695	.0136	.0015	.0045	.0015	.0015	.1601
327-348 WNW	.0030	.0211	.0287	.0332	.0045	.0	.0	.0	.0015	.0921
TOTAL	.0151	.0015	.0	.0	.0	.0	.0	.0	.0030	.0196
WIND	.0									.0
WIND	.0	.0015	.0015	.0	.0	.0	.0	.0	.0	.1269
TOTAL	.1843	.3032	.2221	.1934	.0302	.0015	.0045	.0015	.1782	1.0000

PERCENT OF VALID DATA HOURS = 602
PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 89.0

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-3162

PORT COAST GUARD

1 P 4 000 PA

MAR 01, 1974 - MAR 31, 1974

WIND SPEED MPH

TOTAL

MISS

>47

39-46

32-36

25-31

19-24

13-18

07-12

01-06

00-05

1064

0

0

0014

0041

0063

0121

0402

0150

0177

0014

0696

0068

0

0

0

0

0

0232

0236

0102

0

0491

0032

0

0

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0

0

0155

0191

0040

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0136

0027

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0027

0020

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0027

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0032

0177

0136

0191

0130

0737

0014

0

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0014

0

0014

0109

0121

0259

0130

0776

0027

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0

0

0055

0123

0095

0177

0191

0130

0164

0

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0014

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0027

0033

0041

0027

0191

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0041

0041

0041

0041

0041

0505

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0014

0082

0150

0136

0109

0014

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1214

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0041

0191

0232

0304

0191

0060

0027

1555

0014

0

0

0055

0164

0312

0503

0236

0150

0191

0027

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0014

0027

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0

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1255

0

0

0

0

0

0032

0104

0259

0232

0027

1.0000

0.0518

0

0.0014

0.0177

0.0573

0.1206

0.2497

0.2156

0.1321

0.1021

TOTAL OF ALL DATA POINTS = 133

PERCENT OF TOTAL POINTS FALLING IN FREQUENCY DISTRIBUTION = 98.5



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-5162

PORT COLLEGE
I P 4 400 FT

APR 01, 1974 - APR 30, 1974

	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
00-11	.0012	.0097	.0097	.0208	.0083	.0	.0	.0	.0	.0	.0528
12-33	.0042	.0222	.0347	.0417	.0306	.0042	.0	.0	.0	.0	.1375
34-55	.0033	.0153	.0292	.0194	.0028	.0	.0	.0	.0	.0	.0694
56-73	.0023	.0050	.0014	.0042	.0	.0	.0	.0	.0	.0	.0139
74-101	.0033	.0042	.0	.0014	.0	.0	.0	.0	.0	.0	.0125
102-123	.0039	.0014	.0	.0	.0	.0	.0	.0	.0	.0	.0033
124-145	.0023	.0083	.0	.0	.0	.0	.0	.0	.0	.0	.0111
146-163	.0014	.0069	.0	.0	.0	.0	.0	.0	.0	.0	.0083
164-171	.0111	.0542	.0431	.0333	.0097	.0014	.0	.0	.0	.0	.1528
172-183	.0039	.0264	.0306	.0250	.0028	.0	.0	.0	.0	.0	.0903
184-209	.0033	.0181	.0208	.0306	.0236	.0083	.0	.0	.0	.0	.1077
210-231	.0042	.0053	.0042	.0083	.0028	.0014	.0	.0	.0	.0	.0292
232-251	.0069	.0023	.0083	.0028	.0014	.0	.0	.0	.0	.0	.0222
252-273	.0023	.0014	.0167	.0083	.0056	.0056	.0	.0	.0	.0	.0403
274-303	.0042	.0056	.0292	.0514	.0333	.0069	.0	.0	.0	.0	.1306
304-329	.0023	.0069	.0194	.0431	.0194	.0028	.0	.0014	.0	.0	.0958
330-343	.0097	.0023	.0014	.0	.0	.0	.0	.0	.0	.0	.0139
344-369	.0014										.0014
370-399	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
400-429	.0039	.0200	.0246	.0293	.1403	.0306	.0	.0014	.0	.0	1.0000

PERCENT OF VALID DATA LOGS = 120
PERCENT OF TOTAL LOGS MISSING IN FREQUENCY DISTRIBUTION = 100.0

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

T-0162

FOR CON EDISON

IP 4 400 FT

MAY 01, 1974 - MAY 31, 1974

WIND
DIRECTIONWIND SPEED
MPH

	0-3	4-7	8-12	13-16	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
0-3	.0027	.0103	.0037	.0001	.0161	.0027	.0	.0	.0	.0	.0470
4-7	.0027	.0161	.0323	.0282	.0	.0	.0	.0	.0	.0	.0739
8-12	.0037	.0161	.0037	.0121	.0	.0	.0	.0	.0	.0	.0390
13-16	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0121
19-24	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0134
25-31	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
32-38	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
39-46	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
>47	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
MISS	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
TOTAL	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0470

0-3	.0027	.0103	.0037	.0001	.0161	.0027	.0	.0	.0	.0	.0470
4-7	.0027	.0161	.0323	.0282	.0	.0	.0	.0	.0	.0	.0739
8-12	.0037	.0161	.0037	.0121	.0	.0	.0	.0	.0	.0	.0390
13-16	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0121
19-24	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0134
25-31	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
32-38	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
39-46	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
>47	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
MISS	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
TOTAL	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0470

0-3	.0027	.0103	.0037	.0001	.0161	.0027	.0	.0	.0	.0	.0470
4-7	.0027	.0161	.0323	.0282	.0	.0	.0	.0	.0	.0	.0739
8-12	.0037	.0161	.0037	.0121	.0	.0	.0	.0	.0	.0	.0390
13-16	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0121
19-24	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0134
25-31	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
32-38	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
39-46	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
>47	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
MISS	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
TOTAL	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0470

0-3	.0027	.0103	.0037	.0001	.0161	.0027	.0	.0	.0	.0	.0470
4-7	.0027	.0161	.0323	.0282	.0	.0	.0	.0	.0	.0	.0739
8-12	.0037	.0161	.0037	.0121	.0	.0	.0	.0	.0	.0	.0390
13-16	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0121
19-24	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0134
25-31	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
32-38	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
39-46	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
>47	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
MISS	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
TOTAL	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0470

0-3	.0027	.0103	.0037	.0001	.0161	.0027	.0	.0	.0	.0	.0470
4-7	.0027	.0161	.0323	.0282	.0	.0	.0	.0	.0	.0	.0739
8-12	.0037	.0161	.0037	.0121	.0	.0	.0	.0	.0	.0	.0390
13-16	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0121
19-24	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0134
25-31	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
32-38	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
39-46	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
>47	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
MISS	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
TOTAL	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0470

0-3	.0027	.0103	.0037	.0001	.0161	.0027	.0	.0	.0	.0	.0470
4-7	.0027	.0161	.0323	.0282	.0	.0	.0	.0	.0	.0	.0739
8-12	.0037	.0161	.0037	.0121	.0	.0	.0	.0	.0	.0	.0390
13-16	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0121
19-24	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0134
25-31	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
32-38	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
39-46	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
>47	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
MISS	.0037	.0037	.0	.0	.0	.0	.0	.0	.0	.0	.0103
TOTAL	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0470



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

PORT GALE BRIDGE

Y-3162

1 P.M. - 4:00 P.M.

JUN 01, 1974 - JUN 30, 1974

WIND SPEED - MPH

	0-5	6-10	11-15	16-20	21-24	25-31	32-38	39-46	>47	MISS	TOTAL
0-10	.0007	.0115	.0007	.0003	.0	.0	.0	.0	.0	.0	.0403
11-20	.0007	.0125	.0071	.0733	.0111	.0028	.0056	.0	.0	.0	.1042
21-30	.0007	.0227	.0271	.0800	.0014	.0	.0	.0	.0	.0	.0806
31-40	.0111	.0413	.0032	.0014	.0	.0	.0	.0	.0	.0	.0319
41-50	.0007	.0115	.0111	.0014	.0	.0	.0	.0	.0	.0	.0347
51-60	.0007	.0007	.0103	.0014	.0014	.0	.0	.0	.0	.0	.0292
61-70	.0111	.0111	.0202	.0028	.0014	.0	.0	.0	.0	.0	.0503
71-80	.0007	.0007	.0114	.0028	.0	.0	.0	.0	.0	.0	.0361
81-90	.0007	.0007	.0007	.0003	.0056	.0	.0	.0	.0	.0	.0197
91-100	.0007	.0007	.0003	.0007	.0014	.0	.0	.0	.0	.0	.0097
101-110	.0007	.0007	.0003	.0007	.0007	.0	.0	.0	.0	.0	.0153
111-120	.0007	.0007	.0003	.0007	.0007	.0	.0	.0	.0	.0	.0042
121-130	.0007	.0007	.0003	.0007	.0007	.0	.0	.0	.0	.0	.0033
131-140	.0007	.0007	.0003	.0007	.0007	.0	.0	.0	.0	.0	.0036
141-150	.0007	.0007	.0003	.0007	.0007	.0	.0	.0	.0	.0	.0033
151-160	.0007	.0007	.0003	.0007	.0007	.0	.0	.0	.0	.0	.0125
161-170	.0007	.0007	.0003	.0007	.0007	.0	.0	.0	.0	.0	.0194
171-180	.0007	.0007	.0003	.0007	.0007	.0	.0	.0	.0	.0	.0028
181-190	.0007	.0007	.0003	.0007	.0007	.0	.0	.0	.0	.0	.0139
191-200	.0007	.0007	.0003	.0007	.0007	.0	.0	.0	.0	.0	.0000
TOTAL	.0111	.0111	.0202	.0173	.0375	.0028	.0056	.0	.0	.0	1.0000

WIND DIRECTION - 101-110

WIND DIRECTION - 101-110



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 400 FT

JUL 01, 1974 - JUL 31, 1974

WIND DIRECTION	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47	MISS	TOTAL
349-11 N	.0108	.0255	.0282	.0323	.0040	.0	.0	.0	.0	.0	.1008
12-33 NNE	.0121	.0269	.0376	.0444	.0081	.0	.0	.0	.0	.0	.1290
34-56 NE	.0134	.0108	.0215	.0108	.0027	.0	.0	.0	.0	.0	.0591
57-78 ENE	.0081	.0054	.0	.0013	.0	.0	.0	.0	.0	.0	.0148
79-101 E	.0081	.0027	.0013	.0	.0	.0	.0	.0	.0	.0	.0121
102-123 ESE	.0067	.0067	.0	.0	.0	.0	.0	.0	.0	.0	.0134
124-146 SE	.0081	.0067	.0013	.0	.0	.0	.0	.0	.0	.0	.0161
147-168 SSE	.0027	.0134	.0027	.0	.0	.0	.0	.0	.0	.0	.0188
169-191 S	.0081	.0202	.0336	.0228	.0027	.0	.0	.0	.0	.0	.0874
192-213 SSW	.0121	.0269	.0336	.0108	.0	.0	.0	.0	.0	.0	.0833
214-236 SW	.0161	.0296	.0296	.0067	.0	.0	.0	.0	.0	.0	.0820
237-258 WSW	.0134	.0255	.0215	.0269	.0027	.0	.0	.0	.0	.0	.0901
259-281 W	.0094	.0242	.0202	.0094	.0013	.0013	.0	.0	.0	.0	.0659
282-303 WNW	.0121	.0161	.0148	.0255	.0013	.0	.0	.0	.0	.0	.0699
304-326 NW	.0148	.0148	.0161	.0202	.0081	.0013	.0013	.0	.0	.0	.0766
327-348 NNW	.0067	.0134	.0108	.0148	.0	.0027	.0	.0	.0	.0	.0484
VAR	.0108	.0067	.0	.0	.0	.0	.0	.0	.0	.0	.0175
CALM	.0										.0
MISS	.0054	.0094	.0	.0	.0	.0	.0	.0	.0	.0	.0148
TOTAL	.1788	.2849	.2728	.2258	.0309	.0054	.0013	.0	.0	.0	1.0000

NUMBER OF VALID DATA HOURS = 744

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 100.0

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Y-8162

FOR: CON EDISON
I P 4 400 FT

AUG 01, 1974 - AUG 31, 1974

WIND DIRECTION	WIND SPEED MPH										MISS	TOTAL
	00-03	04-07	08-12	13-18	19-24	25-31	32-38	39-46	>47			
349-11 N	.0188	.0376	.0094	.0054	.0	.0	.0013	.0	.0	.0	.0	.0726
12-33 NNE	.0188	.0444	.0417	.0134	.0013	.0	.0	.0	.0	.0	.0	.196
34-56 NE	.0242	.0349	.0175	.0013	.0	.0	.0	.0	.0	.0	.0	.0780
57-78 ENE	.0188	.0134	.0054	.0	.0	.0	.0	.0	.0	.0	.0	.0376
79-101 E	.0067	.0013	.0054	.0	.0	.0	.0	.0	.0	.0	.0	.0134
102-123 ESE	.0108	.0013	.0013	.0	.0	.0	.0	.0	.0	.0	.0	.0134
124-146 SE	.0148	.0067	.0013	.0013	.0	.0	.0	.0	.0	.0	.0	.0242
147-168 SSE	.0054	.0081	.0013	.0	.0	.0	.0	.0	.0	.0	.0	.0148
169-191 S	.0215	.0323	.0202	.0054	.0040	.0	.0	.0	.0	.0	.0	.0833
192-213 SSW	.0215	.0309	.0232	.0121	.0	.0	.0	.0	.0	.0	.0	.0927
214-236 SW	.0363	.0457	.0511	.0376	.0067	.0013	.0	.0	.0	.0	.0	.1788
237-258 WSW	.0242	.0134	.0108	.0054	.0027	.0	.0	.0	.0	.0	.0	.0565
259-281 W	.0296	.0121	.0108	.0054	.0	.0	.0	.0	.0	.0	.0	.0578
282-303 WNW	.0121	.0094	.0040	.0067	.0	.0	.0	.0	.0	.0	.0	.0323
304-326 NW	.0148	.0081	.0121	.0013	.0013	.0	.0	.0	.0	.0	.0	.0376
327-348 NNW	.0054	.0134	.0108	.0054	.0013	.0	.0	.0	.0	.0	.0	.0363
VAR	.0161	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0161
CALM	.0013											.0013
MISS	.0121	.0054	.0134	.0027	.0	.0	.0	.0	.0	.0	.0	.0336
TOTAL	.3132	.3185	.2446	.1035	.0175	.0013	.0013	.0	.0	.0	.0	1.0000

NUMBER OF VALID DATA HOURS = 744

PERCENT OF TOTAL HOURS PRESENT IN FREQUENCY DISTRIBUTION = 100.0