

TABLE 2B-40

COMPARISON OF ONSITE AND SYRACUSE NWS  
MAXIMUM PRECIPITATION TOTALS

Time Period	Nine Mile Point		Syracuse NWS	
	cm	in	cm	in
1 hr	5.08	2.00	3.30	1.30
24 hr	16.10	6.34	10.52	4.14
1 mo	6.97	10.62	24.18	9.52

NOTE: Period of record January 1974 through December 1976 and November 1978 through October 1980.

TABLE 2B-41

SYRACUSE NWS PRECIPITATION MEANS AND EXTREMES

Month	Mean <sup>(1)</sup> (in)	Monthly <sup>(2)</sup> Maximum (in)	Monthly <sup>(2)</sup> Minimum (in)	24-Hour <sup>(2)</sup> Maximum (in)
January	2.68	5.77	1.02	1.47
February	2.79	5.38	0.80	1.99
March	3.03	6.84	1.08	1.34
April	3.08	8.12	1.57	2.85
May	3.02	7.14	0.75	3.13
June	3.09	12.30	1.10	3.88
July	3.08	9.52	0.90	4.07
August	3.50	8.41	1.33	4.27
September	2.71	8.81	0.75	4.14
October	3.09	8.29	0.21	3.60
November	3.25	6.79	1.25	2.09
December	3.09	5.01	1.73	2.18
Annual	36.41	12.30	0.21	4.27

<sup>(1)</sup> Period of record 1941-1970.

<sup>(2)</sup> Period of record 1950-1980.

SOURCE: Reference 3 of Section 2.3.6.

TABLE 2B-42

SYRACUSE NWS SNOWFALL MEANS AND EXTREMES

Month	Mean (in)	Monthly Maximum (in)	24-Hour Minimum (in)
January	27.8	72.2	24.5
February	26.9	72.6	21.4
March	17.3	37.2	14.7
April	3.2	12.0	7.1
May	0.1	1.2	1.2
June	0.0	0.0	0.0
July	0.0	0.0	0.0
August	0.0	0.0	0.0
September	0.0	0.0	0.0
October	0.6	4.4	2.4
November	9.4	25.9	12.1
December	26.2	52.5	15.6
Annual	111.5	72.6	24.5

NOTE: Period of record 1950 through 1980.

SOURCE: Reference 3 of Section 2.3.6.

TABLE 2B-42A  
MONTHLY RELATIVE HUMIDITY DATA RECOVERY

Month	Year	Data Recovery Relative Humidity	
		61-m (200-ft) (%)	9-m (30-ft) (%)
Jan	1974	100	100
Feb		100	100
Mar		100	100
Apr		100	100
May		100	100
Jun		100	100
Jul		100	100
Aug		100	100
Sep		100	100
Oct		90	100
Nov		100	99
Dec		100	100
Jan	1975	91	91
Feb		100	100
Mar		100	100
Apr		100	100
May		100	100
Jun		100	100
Jul		97	100
Aug		100	92
Sep		100	0
Oct		100	0
Nov		100	0
Dec		100	0
Jan	1976	100	0
Feb		100	0
Mar		100	0
Apr		100	0
May		100	0
Jun		99	0
Jul		100	0
Aug		100	0
Sep		99	0
Oct		100	0
Nov		100	0
Dec		100	0

TABLE 2B-43

ONSITE RELATIVE HUMIDITY MEANS AND EXTREMES

January 1974 Through December 1976

Combined Months	Relative Humidity		
	Mean (%)	Hourly Maximum (%)	Hourly Minimum (%)
January	75	100	24
February	72	100	31
March	67	100	22
April	67	100	11
May	70	100	19
June	72	100	34
July	71	100	35
August	69	100	36
September	71	100	36
October	67	100	21
November	73	100	22
December	75	100	44
Annual	71	100	11

NOTE: Relative humidity was measured at the 61-m (200-ft) level.

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TABLE 2B-44

ONSITE HOURLY RELATIVE HUMIDITY FREQUENCY DISTRIBUTIONS

January 1974 Through December 1976

Relative Humidity (%)	Month											
	January		February		March		April		May		June	
	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%
100	124	5.7	105	5.2	192	8.6	156	7.2	185	8.3	117	5.4
95 - 99	101	4.7	81	4.0	85	3.8	72	3.3	79	3.5	78	3.6
90 - 94	122	5.6	157	7.7	111	5.0	137	6.4	167	7.5	178	8.3
85 - 89	153	7.1	149	7.3	133	6.0	98	4.5	152	6.8	144	6.7
80 - 84	279	12.9	206	10.1	133	6.0	157	7.3	206	9.2	198	9.2
75 - 79	363	16.8	199	9.8	184	8.2	167	7.7	180	8.1	204	9.5
70 - 74	336	15.5	249	12.2	179	8.0	181	8.4	207	9.3	259	12.0
65 - 69	198	9.2	237	11.6	171	7.7	206	9.6	162	7.3	267	12.4
60 - 64	163	7.5	171	8.4	190	8.5	205	9.5	218	9.8	246	11.4
55 - 59	125	5.8	107	5.3	151	6.8	177	8.2	161	7.2	215	10.0
50 - 54	92	4.3	133	6.5	148	6.6	184	8.5	156	7.0	127	5.9
45 - 49	48	2.2	106	5.2	190	8.5	129	6.0	96	4.3	70	3.3
40 - 44	47	2.2	76	3.7	177	7.9	94	4.4	107	4.8	30	1.4
35 - 39	6	0.3	44	2.2	110	4.9	67	3.1	75	3.4	20	0.9
30 - 34	2	0.1	20	1.0	51	2.3	78	3.6	49	2.2	1	0.1
25 - 29	4	0.2	0	0.0	22	1.0	36	1.7	17	0.8	0	0.0
20 - 24	1	0.1	0	0.0	5	0.2	8	0.4	10	0.5	0	0.0
15 - 19	0	0.0	0	0.0	0	0.0	2	0.1	2	0.1	0	0.0
10 - 14	0	0.0	0	0.0	0	0.0	3	0.1	0	0.0	0	0.0
5 - 9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
0 - 4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	2,164	100.0	2,040	100.0	2,232	100.0	2,157	100.0	2,229	100.0	2,154	100.0

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TABLE 2B-44 (Cont'd.)

Relative Humidity (%)	Month													
	July		August		September		October		November		December		Annual	
	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%
100	48	2.2	15	0.7	15	0.7	17	0.8	49	2.3	46	2.1	1,069	4.1
95 - 99	49	2.2	32	1.4	66	3.1	32	1.5	100	4.6	91	4.1	866	3.3
90 - 94	119	5.4	67	3.0	86	4.0	113	5.3	118	5.5	189	8.5	1,564	6.0
85 - 89	163	7.4	105	4.7	140	6.5	137	6.4	144	6.7	133	6.0	1,651	6.3
80 - 84	211	9.6	227	10.2	214	9.9	157	7.3	211	9.8	282	12.7	2,481	9.5
75 - 79	252	11.4	288	12.9	255	11.8	213	9.9	305	14.1	339	15.2	2,949	11.3
70 - 74	302	13.7	386	17.3	332	15.4	259	12.0	340	15.8	367	16.5	3,397	13.0
65 - 69	317	14.4	329	14.8	320	14.9	247	11.5	361	16.7	319	14.3	3,134	12.0
60 - 64	324	14.7	326	14.6	317	14.7	323	15.0	239	11.0	263	11.8	2,984	11.4
55 - 59	227	10.3	224	10.1	233	10.8	289	13.4	125	5.8	118	5.3	2,152	8.2
50 - 54	137	6.2	108	4.9	97	4.5	171	8.0	104	4.8	41	1.8	1,498	5.7
45 - 49	40	1.8	75	3.4	42	2.0	69	3.2	34	1.6	35	1.6	934	3.6
40 - 44	11	0.5	35	1.6	24	1.1	57	2.6	8	0.4	6	0.3	672	2.6
35 - 39	8	0.4	10	0.5	12	0.6	32	1.5	7	0.3	0	0.0	391	1.5
30 - 34	0	0.0	0	0.0	0	0.0	22	1.0	4	0.2	0	0.0	227	0.9
25 - 29	0	0.0	0	0.0	0	0.0	8	0.4	4	0.2	0	0.0	91	0.4
20 - 24	0	0.0	0	0.0	0	0.0	6	0.3	5	0.2	0	0.0	35	0.1
15 - 19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	0.0
10 - 14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0
5 - 9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
0 - 4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	2,208	100.0	2,227	100.0	2,153	100.0	2,152	100.0	2,157	100.0	2,229	100.0	26,102	100.0

NOTE: Relative humidity was measured at the 61-m (200-ft) level.

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TABLE 2B-45

ONSITE DIURNAL RELATIVE HUMIDITY VARIATIONS

January 1974 through December 1976

Relative Humidity (%)													
Hour	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1	75.8	72.3	66.7	69.3	69.4	73.0	72.7	69.6	70.4	66.7	73.5	75.1	71.2
2	75.7	72.7	67.9	69.5	71.0	74.3	74.1	70.8	71.3	67.7	73.9	75.0	72.0
3	76.1	72.5	68.0	70.3	72.3	76.4	74.5	72.1	72.7	68.0	74.2	75.0	72.7
4	76.3	74.2	67.7	70.8	72.9	78.5	75.5	73.9	74.0	69.0	74.7	75.5	73.6
5	76.5	74.7	67.5	71.4	74.5	80.1	76.4	76.1	75.4	70.0	75.6	76.0	74.5
6	77.0	75.1	67.8	71.5	76.0	80.8	77.2	77.2	76.6	70.7	76.5	76.2	75.2
7	77.3	75.5	68.7	71.8	77.0	80.4	77.1	76.4	77.0	71.4	76.3	76.4	75.4
8	77.4	75.5	69.7	72.1	76.5	79.8	76.1	75.9	76.5	71.6	76.8	77.2	75.4
9	76.9	74.4	69.1	70.7	74.9	77.9	74.5	73.7	74.9	70.7	75.9	76.5	74.2
10	75.8	73.9	68.4	69.5	73.1	75.5	71.8	71.5	73.0	70.0	74.8	76.2	72.8
11	74.3	72.3	68.3	68.4	72.1	73.2	70.2	69.2	71.1	67.8	72.9	74.8	71.2
12	73.7	69.3	67.0	67.1	70.7	71.5	69.5	67.9	69.3	66.3	71.3	73.9	69.8
13	72.6	68.0	65.5	65.5	68.9	69.4	68.7	66.8	67.8	65.3	69.8	73.4	68.5
14	71.8	67.9	65.1	64.1	67.7	67.7	67.2	66.0	67.1	64.8	69.8	72.9	67.7
15	72.0	68.1	64.8	62.7	65.9	66.9	66.4	64.6	66.1	64.0	69.7	72.8	67.0
16	72.2	67.9	64.4	62.0	65.2	66.7	66.1	63.9	65.8	64.6	70.2	72.7	66.8
17	71.9	68.5	65.0	61.3	64.7	64.9	65.8	63.5	65.1	64.9	70.9	73.2	66.6
18	73.0	69.5	65.5	61.6	64.9	65.3	66.4	63.6	66.2	65.7	70.5	73.2	67.1
19	73.8	69.3	65.4	63.3	65.1	65.6	67.2	64.4	67.1	66.1	70.7	73.2	67.6
20	73.3	69.5	66.4	64.6	66.2	66.8	68.2	65.9	68.0	65.9	71.1	73.6	68.3
21	73.9	70.6	66.5	65.1	67.3	68.8	68.8	66.8	68.7	66.3	71.5	73.5	69.0
22	74.8	71.0	66.5	65.5	67.8	70.3	70.6	67.2	69.5	65.9	72.1	74.2	69.6
23	75.2	71.4	67.0	65.9	68.6	71.8	70.8	67.5	69.6	66.2	72.8	74.8	70.1
24	75.5	72.8	67.0	67.4	69.1	72.6	72.2	68.4	69.6	65.9	73.8	75.3	70.8

NOTE: Relative humidity was measured at the 61-m (200-ft) level.



TABLE 2B-46

SYRACUSE NWS DIURNAL RELATIVE HUMIDITY VARIATIONS

Month	Hour (local time)			
	01 (%)	07 (%)	13 (%)	19 (%)
January	76	76	68	74
February	75	77	65	72
March	76	77	61	68
April	74	75	51	58
May	78	75	55	60
June	82	79	57	63
July	84	81	56	63
August	86	86	59	69
September	85	87	62	75
October	81	84	61	74
November	79	81	68	76
December	78	79	71	77
Annual	80	80	61	69

NOTE: Period of record 1964 through 1980.

SOURCE: Reference 3 of Section 2.3.6

TABLE 2B-47

ONSITE ABSOLUTE HUMIDITY MEANS AND EXTREMES

January 1974 Through December 1976

Combined Months	Mean (g/m <sup>3</sup> )	Hourly Maximum (g/m <sup>3</sup> )	Hourly Minimum (g/m <sup>3</sup> )
January	2.9	9.5	0.5
February	3.0	8.2	0.6
March	3.5	14.6	0.7
April	4.9	13.3	1.0
May	7.3	16.7	1.2
June	10.9	18.6	4.8
July	12.2	20.1	6.7
August	11.8	20.3	6.1
September	9.2	16.7	2.8
October	6.4	13.4	1.5
November	5.2	13.5	1.3
December	3.2	9.2	0.6
Annual	6.7	20.3	0.5

NOTE: Absolute humidity is calculated from the 61-m (200-ft) relative humidity and the temperature at 61 m (200 ft), (the 8-m (27-ft) temperature plus the 61-8 m (200-27 ft) temperature difference).

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TABLE 2B-48

ONSITE HOURLY ABSOLUTE HUMIDITY FREQUENCY DISTRIBUTIONS

January 1974 through December 1976

Absolute Humidity (g/m <sup>3</sup> )	Month											
	January		February		March		April		May		June	
	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%
0 - 1.0	131	6.1	63	3.2	65	3.0	0	0.0	0	0.0	0	0.0
1.1 - 2.0	549	25.7	536	27.4	437	19.9	32	1.5	11	0.5	0	0.0
2.1 - 3.0	603	28.2	487	24.9	514	23.4	326	15.5	28	1.3	0	0.0
3.1 - 4.0	423	19.8	421	21.6	427	19.5	518	24.7	89	4.0	0	0.0
4.1 - 5.0	246	11.5	249	12.7	365	16.6	474	22.6	279	12.6	2	0.1
5.1 - 6.0	108	5.1	131	6.7	194	8.8	335	16.0	417	18.8	51	2.4
6.1 - 7.0	49	2.3	46	2.4	81	3.7	108	5.2	333	15.0	118	5.5
7.1 - 8.0	19	0.9	18	0.9	67	3.1	61	2.9	333	15.0	177	8.2
8.1 - 9.0	8	0.4	3	0.2	35	1.6	69	3.3	174	7.9	215	10.0
9.1 - 10.0	2	0.1	0	0.0	9	0.4	83	4.0	135	6.1	264	12.3
10.1 - 11.0	0	0.0	0	0.0	0	0.0	44	2.1	168	7.6	301	14.0
11.1 - 12.0	0	0.0	0	0.0	0	0.0	31	1.5	114	5.2	304	14.2
12.1 - 13.0	0	0.0	0	0.0	0	0.0	14	0.7	59	2.7	253	11.8
13.1 - 14.0	0	0.0	0	0.0	0	0.0	4	0.2	47	2.1	166	7.7
14.1 - 15.0	0	0.0	0	0.0	1	0.1	0	0.0	19	0.9	159	7.4
15.1 - 16.0	0	0.0	0	0.0	0	0.0	0	0.0	8	0.4	83	3.9
16.1 - 17.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	39	1.8
17.1 - 18.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	14	0.6
18.1 - 19.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1
19.1 - 20.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20.1 - 21.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21.1 - 22.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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TABLE 2B-48 (Cont'd.)

Absolute Humidity (g/m <sup>3</sup> )	Month													
	July		August		September		October		November		December		Annual	
	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%
0 - 1.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	53	2.4	312	1.2
1.1 - 2.0	0	0.0	0	0.0	0	0.0	15	0.7	32	1.5	441	20.0	2,053	8.0
2.1 - 3.0	0	0.0	0	0.0	3	0.1	120	5.6	240	11.4	632	28.7	2,953	11.5
3.1 - 4.0	0	0.0	0	0.0	14	0.7	220	10.3	433	20.6	522	23.7	3,067	11.9
4.1 - 5.0	0	0.0	0	0.0	52	2.4	310	14.5	461	21.9	349	15.8	2,787	10.8
5.1 - 6.0	0	0.0	0	0.0	114	5.3	345	16.1	368	17.5	123	5.6	2,186	8.5
6.1 - 7.0	3	0.1	27	1.2	297	13.8	344	16.1	197	9.4	31	1.4	1,634	6.3
7.1 - 8.0	36	1.6	78	3.5	338	15.7	252	11.8	108	5.1	31	1.4	1,518	5.9
8.1 - 9.0	132	6.0	227	10.2	325	15.1	252	11.8	103	4.9	16	0.7	1,559	6.1
9.1 - 10.0	237	10.7	299	13.5	248	11.5	132	6.2	67	3.2	6	0.3	1,482	5.8
10.1 - 11.0	333	15.1	305	13.7	206	9.6	96	4.5	74	3.5	0	0.0	1,527	5.9
11.1 - 12.0	386	17.5	305	13.7	183	8.5	39	1.8	12	0.6	0	0.0	1,374	5.3
12.1 - 13.0	327	14.8	267	12.0	159	7.4	15	0.7	3	0.1	0	0.0	1,097	4.3
13.1 - 14.0	280	12.7	235	10.6	102	4.7	3	0.1	3	0.1	0	0.0	840	3.3
14.1 - 15.0	207	9.4	201	9.1	75	3.5	0	0.0	0	0.0	0	0.0	662	2.6
15.1 - 16.0	124	5.6	119	5.4	28	1.3	0	0.0	0	0.0	0	0.0	362	1.4
16.1 - 17.0	81	3.7	95	4.3	8	0.4	0	0.0	0	0.0	0	0.0	224	0.9
17.1 - 18.0	52	2.4	50	2.3	0	0.0	0	0.0	0	0.0	0	0.0	116	0.5
18.1 - 19.0	9	0.4	9	0.4	0	0.0	0	0.0	0	0.0	0	0.0	20	0.1
19.1 - 20.0	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0
20.1 - 21.0	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
21.1 - 22.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

NOTE: Absolute humidity is calculated from the 61-m (200-ft) relative humidity and the temperature at 61-m (the 8-m (27-ft) temperature plus the 61-8 m (200-27 ft) temperature difference).

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TABLE 2B-49

ONSITE DIURNAL ABSOLUTE HUMIDITY VARIATIONS

January 1974 through December 1976

Absolute Humidity (g/m <sup>3</sup> )													
Hour	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1	2.8	2.9	3.4	5.0	7.1	10.7	12.0	11.7	9.0	6.1	5.1	3.1	6.6
2	2.8	2.9	3.5	4.9	7.2	10.6	12.0	11.7	9.0	6.2	5.1	3.1	6.6
3	2.8	2.9	3.4	4.9	7.2	10.7	12.0	11.6	8.9	6.1	5.1	3.1	6.6
4	2.8	2.8	3.3	4.8	7.1	10.7	11.9	11.7	8.9	6.1	5.1	3.1	6.6
5	2.7	2.8	3.3	4.8	7.1	10.7	11.9	11.8	8.9	6.1	5.1	3.1	6.6
6	2.8	2.8	3.3	4.8	7.2	10.7	11.9	11.7	8.9	6.1	5.1	3.1	6.6
7	2.8	2.8	3.3	4.8	7.3	10.7	11.8	11.7	8.9	6.2	5.1	3.1	6.6
8	2.8	2.9	3.3	4.8	7.3	10.8	11.9	11.7	9.0	6.2	5.1	3.1	6.6
9	2.8	2.8	3.3	4.9	7.5	10.9	12.1	11.8	9.1	6.3	5.1	3.1	6.7
10	2.8	2.9	3.4	4.9	7.5	11.1	12.2	11.9	9.2	6.5	5.1	3.1	6.8
11	2.8	2.9	3.4	4.9	7.5	11.0	12.1	11.8	9.3	6.5	5.1	3.1	6.8
12	2.8	2.9	3.4	4.8	7.4	10.9	12.2	11.8	9.3	6.5	5.2	3.2	6.8
13	2.9	2.9	3.4	4.9	7.4	11.0	12.2	11.8	9.4	6.6	5.2	3.2	6.8
14	2.9	3.0	3.5	4.8	7.3	10.8	12.1	11.8	9.4	6.6	5.3	3.2	6.8
15	2.9	3.0	3.5	4.7	7.3	10.8	12.1	11.7	9.4	6.6	5.2	3.2	6.8
16	2.9	3.1	3.5	4.8	7.2	10.9	12.1	11.7	9.4	6.6	5.2	3.2	6.8
17	2.9	3.0	3.5	4.8	7.2	10.8	12.2	11.8	9.4	6.7	5.2	3.2	6.8
18	2.9	3.1	3.6	4.7	7.3	11.0	12.4	11.9	9.4	6.6	5.2	3.2	6.8
19	2.9	3.1	3.5	4.8	7.4	10.8	12.4	11.9	9.4	6.5	5.2	3.1	6.8
20	2.8	3.1	3.6	4.8	7.4	10.8	12.2	11.9	9.4	6.5	5.1	3.1	6.8
21	2.8	3.1	3.5	4.9	7.4	10.9	12.2	12.0	9.4	6.4	5.1	3.1	6.8
22	2.8	3.1	3.5	4.9	7.4	11.0	12.4	12.0	9.3	6.3	5.1	3.1	6.8
23	2.8	3.1	3.5	4.9	7.4	11.0	12.2	11.8	9.2	6.2	5.1	3.1	6.7
24	2.8	3.0	3.5	4.9	7.3	10.8	12.2	11.7	9.1	6.1	5.1	3.1	6.7

NOTE: Absolute humidity is calculated from the 61-m (200-ft) relative humidity and the temperature at 61 m, the 8-m (27-ft) temperature plus the 61-8 m (200-27 ft) temperature difference.

NMP Unit 2 USAR

TABLE 2B-50

ONSITE DEW POINT TEMPERATURE MEANS AND EXTREMES

January 1974 through December 1976

Combined Months	Mean (°F)	Hourly Maximum (°F)	Hourly Minimum (°F)
January	17	50.6	-16.0
February	18	46.0	-12.3
March	21	62.9	-10.0
April	31	60.9	-2.6
May	42	67.4	0.8
June	54	71.0	32.8
July	57	72.8	41.8
August	56	73.3	38.3
September	49	67.0	19.4
October	38	60.7	4.7
November	32	60.8	2.4
December	20	49.5	-13.5
Annual	37	73.3	-16.0

NOTE: Dew point temperature is calculated from the 61-m (200-ft) relative humidity and the temperature at 61 m (the 8-m (27-ft) temperature plus the 61-8 m (200-27-ft) temperature difference).

NMP Unit 2 USAR

TABLE 2B-51

ONSITE HOURLY DEW POINT TEMPERATURE FREQUENCY DISTRIBUTIONS

January 1974 through December 1976

Dew Point Temperature (°F)	Month											
	January		February		March		April		May		June	
	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%
>80	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
75 - 79	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
70 - 74	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	0.3
65 - 69	0	0.0	0	0.0	0	0.0	0	0.0	5	0.2	130	6.1
60 - 64	0	0.0	0	0.0	1	0.1	8	0.4	89	4.0	393	18.3
55 - 59	0	0.0	0	0.0	0	0.0	49	2.3	202	9.1	583	27.1
50 - 54	2	0.1	0	0.0	14	0.6	122	5.8	256	11.6	483	22.5
45 - 49	19	0.9	6	0.3	59	2.7	86	4.1	314	14.2	326	15.2
40 - 44	36	1.7	37	1.9	92	4.2	107	5.1	443	20.0	156	7.3
35 - 39	97	4.5	107	5.5	170	7.7	264	12.6	440	19.9	68	3.2
30 - 34	177	8.3	228	11.7	323	14.7	491	23.4	283	12.8	2	0.1
25 - 29	284	13.3	290	14.8	287	13.1	382	18.2	131	5.9	0	0.0
20 - 24	349	16.3	288	14.7	332	15.1	313	14.9	18	0.8	0	0.0
15 - 19	380	17.8	289	14.8	302	13.8	183	8.7	20	0.9	0	0.0
10 - 14	237	11.1	285	14.6	231	10.5	72	3.4	8	0.4	0	0.0
5 - 9	228	10.7	205	10.5	176	8.0	19	0.9	3	0.1	0	0.0
0 - 4	168	7.9	126	6.5	112	5.1	2	0.1	3	0.1	0	0.0
-5 - -1	90	4.2	80	4.1	72	3.3	1	0.1	0	0.0	0	0.0
-10 - -6	52	2.4	11	0.6	24	1.1	0	0.0	0	0.0	0	0.0
-15 - -11	18	0.8	2	0.1	0	0.0	0	0.0	0	0.0	0	0.0
-20 - -16	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	2,138	100.0	1,954	100.0	2,195	100.0	2,099	100.0	2,215	100.0	2,148	100.0

NMP Unit 2 USAR

TABLE 2B-51 (Cont'd.)

Dew Point Temperature (°F)	Month													
	July		August		September		October		November		December		Annual	
	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%	Sum	%
>80	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
75 - 79	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
70 - 74	26	1.2	23	1.0	0	0.0	0	0.0	0	0.0	0	0.0	56	0.2
65 - 69	243	11.0	247	11.1	32	1.5	0	0.0	0	0.0	0	0.0	657	2.6
60 - 64	616	27.9	533	24.0	240	11.2	4	0.2	3	0.1	0	0.0	1,887	7.3
55 - 59	702	31.8	600	27.0	346	16.1	89	4.2	30	1.4	0	0.0	2,601	10.1
50 - 54	470	21.3	531	23.9	417	19.4	198	9.2	126	6.0	1	0.1	2,620	10.2
45 - 49	139	6.3	236	10.6	493	22.9	377	17.6	147	7.0	37	1.7	2,239	8.7
40 - 44	12	0.5	49	2.2	400	18.6	390	18.2	213	10.1	39	1.8	1,974	7.7
35 - 39	0	0.0	2	0.1	141	6.6	364	17.0	329	15.7	90	4.1	2,072	8.0
30 - 34	0	0.0	0	0.0	60	2.8	319	14.8	432	20.6	282	12.8	2,596	10.1
25 - 29	0	0.0	0	0.0	13	0.6	167	7.8	348	16.6	350	15.9	2,252	8.7
20 - 24	0	0.0	0	0.0	10	0.5	129	6.0	266	12.7	309	18.1	2,103	8.2
15 - 19	0	0.0	0	0.0	0	0.0	73	3.4	137	6.5	379	17.2	1,763	6.8
10 - 14	0	0.0	0	0.0	0	0.0	30	1.4	48	2.3	280	12.7	1,191	4.6
5 - 9	0	0.0	0	0.0	0	0.0	4	0.2	19	0.9	145	6.6	799	3.1
0 - 4	0	0.0	0	0.0	0	0.0	0	0.0	3	0.1	130	5.9	544	2.1
-5 - -1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	61	2.8	304	1.2
-10 - -6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	0.5	97	0.4
-15 - -11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1	22	0.1
-20 - -16	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Total	2,208	100.0	2,221	100.0	2,152	100.0	2,143	100.0	2,101	100.0	2,204	100.0	25,778	100.0

NOTE: Dew point temperature is calculated from the 61-m (200-ft) relative humidity and the temperature at 61 m, the 8-m (27-ft) temperature plus the 61-8 m (200-27 ft) temperature difference).



NMP Unit 2 USAR

TABLE 2B-52

ONSITE DIURNAL DEW POINT TEMPERATURE VARIATIONS

January 1974 through December 1976

Dew Point Temperature (°F)													
Hour	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1	17.1	18.3	21.1	31.0	41.2	53.1	57.0	55.8	48.2	36.9	31.8	19.7	36.2
2	17.1	18.0	21.3	30.8	41.3	53.0	56.8	55.9	47.9	37.0	31.9	19.5	36.1
3	17.0	17.5	21.0	30.8	41.3	53.2	56.6	55.7	47.8	36.8	31.8	19.3	36.0
4	16.9	17.5	20.3	30.5	41.1	53.1	56.5	55.7	47.7	36.7	31.8	19.2	35.8
5	16.5	17.5	20.2	30.6	41.2	53.1	56.5	56.1	47.9	36.9	31.7	19.3	35.8
6	16.5	17.4	20.1	30.2	41.4	53.3	56.5	56.0	47.8	36.9	31.9	19.3	35.8
7	16.5	17.4	20.2	30.1	42.0	53.3	56.4	55.9	47.9	36.9	31.7	19.2	35.9
8	16.6	17.4	20.4	30.5	42.2	53.9	56.9	56.1	48.1	37.1	31.8	19.3	36.1
9	16.6	17.2	20.5	30.8	42.6	54.4	57.6	56.7	48.7	37.7	32.1	19.1	36.4
10	16.9	17.6	21.0	30.8	42.6	54.6	57.8	57.0	49.2	38.5	32.4	19.3	36.7
11	16.7	18.0	20.8	31.0	42.7	54.4	57.8	56.9	49.5	38.8	32.5	19.7	36.8
12	17.0	17.8	21.2	30.4	42.2	54.2	58.0	56.7	49.5	38.7	32.5	20.2	36.7
13	17.4	18.2	21.1	30.4	42.3	54.2	57.9	56.9	49.5	39.0	32.5	20.4	36.9
14	17.5	18.7	21.6	30.1	41.8	53.8	57.8	56.9	49.6	38.9	32.8	20.5	36.9
15	17.8	19.1	22.0	29.8	41.8	53.8	57.9	56.7	49.7	39.1	32.7	20.8	37.0
16	17.8	19.4	21.9	30.2	41.7	54.2	57.8	56.7	49.7	39.3	32.6	20.7	37.1
17	17.2	19.1	22.3	30.1	41.6	53.9	57.9	56.9	49.6	39.4	32.8	20.5	37.0
18	17.3	19.4	22.5	30.0	41.7	54.4	58.2	57.0	49.5	39.1	32.5	20.3	37.0
19	17.3	19.5	22.4	30.3	42.1	54.0	58.2	56.8	49.4	38.7	32.4	20.2	37.0
20	17.1	19.2	22.5	30.5	42.1	53.7	57.7	56.6	49.4	38.4	32.2	20.1	36.8
21	17.0	19.3	22.2	30.9	42.3	53.6	57.6	56.9	49.2	38.1	32.1	19.9	36.8
22	17.2	19.2	21.9	30.8	42.1	53.8	57.8	56.7	49.0	37.5	32.2	20.0	36.7
23	16.9	19.2	21.9	30.9	42.0	53.7	57.5	56.3	48.5	37.3	31.8	19.9	36.5
24	16.9	19.1	21.6	31.1	41.9	53.5	57.4	56.1	48.2	36.8	31.6	19.8	36.4

NOTE: Dew point temperature is calculated from the 61-m (200-ft) relative humidity and the temperature at 61 m (200 ft), (the 8-m (27-ft) temperature plus the 61-8 m (200-27 ft) temperature difference).

NMP Unit 2 USAR

TABLE 2B-52A

MONTHLY DEW POINT TEMPERATURE DATA RECOVERY

Month	Year	Data Recovery Dew Point Temperature(%)
Nov	1978	25
Dec		90
Jan	1979	5
Feb		68
Mar		60
Apr		53
May		93
Jun		75
Jul		96
Aug		26
Sep		0
Oct		45
Nov		77
Dec		100
Jan	1980	29
Feb		0
Mar		0
Apr		0
May		0
Jun		0
Jul		0
Aug		0
Sep		71
Oct		94

NOTE: Dew point temperature is measured at the 8-m (25-ft) level of the meteorological tower.

NMP Unit 2 USAR

TABLE 2B-53

MEAN NUMBER OF DAYS AT SYRACUSE NWS  
WITH FOG, HAZE AND/OR SMOKE

Month	Fog Visibility		Haze and/or Smoke
	<11 km (7 mi)	<0.40 km (0.25 mi)	
January	7	1	6
February	5	*	5
March	9	1	7
April	8	*	4
May	10	1	6
June	10	1	10
July	9	1	13
August	11	1	14
September	12	1	11
October	10	1	7
November	12	1	4
December	10	1	5
Annual	113	9	91

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\* Less than 0.5 day.

SOURCE: Reference 31 of Section 2.3.6.

NMP Unit 2 USAR

TABLE 2B-54

NRC FORMAT FOR NINE MILE POINT METEOROLOGICAL DATA TAPE

January 1974 Through December 1976  
and November 1978 Through October 1980

Data Description	Unit	Format	Column
ID number	(000041)	I6	1-6
Year		I2	7-8
Julian day		I3	9-11
Hour		I4	12-15
Upper height	(m x 10) (610)	I5	16-20
200-ft wind direction	(deg Az x 10)	I5	21-25
200-ft wind speed	(m/sec x 10)	I5	26-30
Blank		5X	31-35
Blank		5X	36-40
200-ft relative humidity	(% x 10)	I5	41-45
Blank		5X	46-50
Intermediate wind height	(m x 10) (305)	I5	51-55
100-ft wind direction	(deg Az x 10)	I5	56-60
100-ft wind speed	(m/sec x 10)	I5	61-65
Blank		5X	66-70
Blank		5X	71-75
Blank		5X	76-80
Blank		5X	81-85
Lower wind height	(m x 10) (91)	I5	86-90

NMP Unit 2 USAR

TABLE 2B-54 (cont'd.)

Data Description	Unit	Format	Column
30-ft vane direction	(deg Az x 10)	I5	91-95
30-ft cup speed	(m/sec x 10)	I5	96-100
Blank		5X	101-105
27-ft ambient temperature	(°C x 10)	I5	106-110
30-ft relative humidity	(% x 10)	I5	111-115
Pressure	(mb x 10)	I5	116-120
200-27-ft temperature difference	(°C/100 m x 10)	I5	121-125
Blank		5X	126-130
100-27-ft temperature difference	(°C/100 m x 10)	I5	131-135
Precipitation	(mm x 10)	I5	136-140
25-ft dry bulb temperature	(°C x 10)	I5	141-145
250-ft dew point temperature	(°C x 10)	I5	146-150
30-ft aerovane direction	(deg Az x 10)	I5	151-155
30-ft aerovane speed	(m/sec x 10)	I5	156-160

# NMP Unit 2 USAR

TABLE 2B-55

JOINT FREQUENCY DISTRIBUTIONS OF WIND SPEED AND WIND DIRECTION  
BY ATMOSPHERIC STABILITY CLASS BASED ON 200-FT WINDS (1997-2001)

STABILITY CLASS: A

Direction	0.44	1.0	2.0	3.0	4.0	5.0	6.0	8.0	10.0	13.0	18.0	>18.0	Total
MAXIMUM METERS PER SECOND													
N	0	0	7	44	45	43	45	108	85	91	24	7	499
NNE	0	0	1	18	42	40	28	70	45	48	21	0	313
NE	0	0	2	3	14	5	3	5	2	2	0	0	36
ENE	0	0	0	1	0	0	0	1	0	0	0	0	2
E	0	0	0	1	2	0	0	1	0	0	0	0	4
ESE	0	0	0	1	6	8	5	5	1	1	0	0	27
SE	0	0	2	1	4	16	17	24	19	9	3	0	95
SSE	0	0	0	3	3	12	11	26	10	5	1	0	71
S	0	0	0	3	6	7	8	3	3	0	0	0	30
SSW	0	0	3	0	0	3	2	4	0	0	0	0	12
SW	0	0	2	1	0	1	1	0	0	0	0	0	5
WSW	0	0	0	1	10	46	91	172	71	19	36	3	449
W	0	1	4	7	9	18	25	35	21	46	44	16	226
WNW	0	0	7	33	34	29	19	36	29	69	141	34	431
NW	0	1	10	63	64	53	37	71	73	147	95	9	623
NNW	0	0	25	64	65	53	44	87	80	121	31	0	570
TOTAL	0	2	63	244	34	334	336	648	439	558	396	69	3393

NMP Unit 2 USAR

TABLE 2B-55 (Cont'd.)

STABILITY CLASS: B

Direction	0.44	1.0	2.0	3.0	4.0	5.0	6.0	8.0	10.0	13.0	18.0	>18.0	Total
MAXIMUM METERS PER SECOND													
N	0	0	6	11	17	14	17	56	57	39	15	0	232
NNE	0	0	4	15	19	16	11	37	45	35	13	0	195
NE	0	0	0	11	7	10	1	6	0	0	0	0	35
ENE	0	0	1	1	3	0	0	1	0	0	0	0	6
E	0	0	1	1	0	1	1	0	0	0	0	0	4
ESE	0	1	1	2	6	6	7	3	3	0	0	0	29
SE	0	0	0	5	8	12	21	21	8	2	0	0	77
SSE	0	0	1	4	17	15	18	19	6	1	0	0	81
S	0	0	2	1	13	16	10	10	9	3	0	0	64
SSW	0	0	3	5	4	5	3	0	0	0	0	0	20
SW	0	0	1	1	0	2	0	4	1	0	0	0	9
WSW	0	0	0	4	9	27	36	58	38	33	39	5	249
W	0	0	3	5	23	30	25	44	58	62	83	16	349
WNW	0	0	1	21	24	26	11	36	36	84	83	5	327
NW	0	0	5	11	6	14	27	82	65	95	30	0	335
NNW	0	0	6	5	9	12	20	50	71	51	9	0	233
TOTAL	0	1	35	103	165	206	208	427	397	405	272	26	2245

NMP Unit 2 USAR

TABLE 2B-55 (Cont'd.)

STABILITY CLASS: C

Direction	0.44	1.0	2.0	3.0	4.0	5.0	6.0	8.0	10.0	13.0	18.0	>18.0	Total
MAXIMUM METERS PER SECOND													
N	0	1	10	10	18	11	26	84	54	38	20	0	272
NNE	0	0	2	22	22	25	17	71	53	57	18	1	288
NE	0	0	1	20	15	7	4	12	6	6	0	0	71
ENE	0	0	2	2	7	0	0	0	0	0	0	0	11
E	0	0	3	3	0	0	1	1	0	0	0	0	8
ESE	0	0	2	4	19	6	7	7	1	0	0	0	46
SE	0	1	1	8	17	16	30	29	21	20	1	0	144
SSE	0	0	1	4	27	25	27	27	9	5	0	0	125
S	0	1	2	4	22	32	36	21	17	2	0	0	137
SSW	0	0	0	8	7	8	6	2	3	0	0	0	34
SW	0	0	3	2	3	0	3	3	0	5	1	0	20
WSW	0	0	3	5	16	25	33	69	26	59	62	9	307
W	0	0	3	20	42	47	63	86	80	130	98	12	581
WNW	0	3	4	17	26	32	21	58	73	84	95	5	418
NW	0	1	11	22	11	14	43	84	85	62	19	1	353
NNW	0	0	6	13	9	15	27	45	57	55	1	0	228
TOTAL	0	7	54	164	261	263	344	599	485	523	315	28	3043



NMP Unit 2 USAR

TABLE 2B-55 (Cont'd.)

STABILITY CLASS: D

Direction	0.44	1.0	2.0	3.0	4.0	5.0	6.0	8.0	10.0	13.0	18.0	>18.0	Total
MAXIMUM METERS PER SECOND													
N	0	4	36	84	65	94	104	170	100	98	33	0	788
NNE	1	7	49	101	105	108	134	356	234	161	40	0	1296
NE	0	9	61	129	181	189	137	185	79	29	1	0	1000
ENE	0	8	44	73	67	37	18	12	1	0	0	0	260
E	1	4	45	51	66	51	45	29	3	1	0	0	296
ESE	1	4	33	83	97	100	153	179	79	14	2	0	745
SE	1	5	25	81	134	185	289	587	303	125	11	0	1746
SSE	1	2	35	63	129	143	175	332	191	67	10	0	1148
S	1	6	15	61	132	199	216	412	179	45	3	0	1269
SSW	1	4	24	62	108	172	198	276	40	10	0	0	895
SW	2	3	23	38	58	92	144	229	140	49	2	0	780
WSW	0	6	18	61	99	160	219	443	298	286	195	20	1805
W	1	7	33	117	178	181	178	394	376	387	289	24	2165
WNW	0	2	51	82	94	104	131	300	232	251	139	12	1398
NW	2	6	50	73	70	81	127	231	204	117	23	0	984
NNW	0	5	40	60	50	87	106	188	119	62	14	0	731
TOTAL	12	82	582	1219	1633	1983	2374	4323	2578	1702	762	56	17306

NMP Unit 2 USAR

TABLE 2B-55 (Cont'd.)

STABILITY CLASS: E

Direction	0.44	1.0	2.0	3.0	4.0	5.0	6.0	8.0	10.0	13.0	18.0	>18.0	Total
MAXIMUM METERS PER SECOND													
N	0	8	27	35	27	21	16	36	24	18	2	0	214
NNE	0	7	23	42	31	33	23	29	18	23	6	0	235
NE	0	6	52	73	93	37	24	17	6	5	0	0	313
ENE	0	8	34	92	71	28	10	4	0	0	0	0	247
E	1	7	32	57	71	38	16	15	0	1	0	0	238
ESE	2	8	25	49	63	73	76	67	11	2	1	0	377
SE	1	5	16	33	74	116	246	630	235	44	5	0	1405
SSE	2	2	27	46	83	104	170	605	320	62	1	0	1422
S	0	5	16	41	52	106	213	614	245	24	0	0	1316
SSW	1	5	20	37	48	108	216	404	58	1	0	0	898
SW	1	6	31	51	60	97	139	213	62	7	2	0	669
WSW	0	8	45	58	102	212	183	349	236	175	56	5	1429
W	0	3	29	95	98	102	84	136	105	106	56	4	818
WNW	0	3	31	56	38	37	22	52	54	54	20	2	369
NW	0	11	13	41	29	12	12	30	21	7	5	0	181
NNW	2	5	20	39	15	18	20	19	11	12	1	0	162
TOTAL	10	97	441	845	955	1142	1470	3220	1406	541	155	11	10293

NMP Unit 2 USAR

TABLE 2B-55 (Cont'd.)

STABILITY CLASS: F

Direction	0.44	1.0	2.0	3.0	4.0	5.0	6.0	8.0	10.0	13.0	18.0	>18.0	Total
MAXIMUM METERS PER SECOND													
N	1	4	13	17	8	9	9	13	8	10	0	0	92
NNE	0	2	15	19	13	10	11	7	7	4	0	0	88
NE	0	4	22	40	17	6	4	5	2	0	0	0	100
ENE	0	9	26	41	23	16	2	0	0	0	0	0	117
E	1	6	21	30	51	22	18	8	0	0	0	0	157
ESE	1	3	12	32	21	25	45	24	0	0	0	0	163
SE	0	0	16	21	26	36	39	109	8	0	0	0	255
SSE	0	4	13	18	27	39	52	187	25	0	0	0	365
S	2	2	14	17	18	33	30	158	25	0	0	0	299
SSW	1	3	14	17	23	31	42	138	17	0	0	0	286
SW	0	9	25	30	58	70	85	93	1	0	0	0	371
WSW	1	4	28	40	80	71	53	50	20	17	11	0	375
W	0	2	21	44	38	39	18	24	26	28	5	0	245
WNW	2	2	24	34	21	9	3	15	9	7	1	0	127
NW	0	1	25	10	12	8	2	3	8	5	0	0	74
NNW	0	5	12	15	9	11	7	6	9	2	0	0	76
TOTAL	9	60	301	425	445	435	420	840	165	73	17	0	3190

NMP Unit 2 USAR

TABLE 2B-55 (Cont'd.)

STABILITY CLASS: G

Direction	0.44	1.0	2.0	3.0	4.0	5.0	6.0	8.0	10.0	13.0	18.0	>18.0	Total
MAXIMUM METERS PER SECOND													
N	1	7	21	14	8	5	1	10	14	8	2	0	91
NNE	1	7	25	15	10	2	4	10	5	9	0	0	88
NE	0	8	27	36	3	0	2	1	1	0	0	0	78
ENE	0	10	33	30	16	3	2	0	0	0	0	0	94
E	3	12	32	49	37	21	7	4	0	0	0	0	165
ESE	1	6	36	38	30	33	28	19	0	0	0	0	191
SE	0	8	23	25	29	35	29	36	3	0	0	0	188
SSE	4	8	25	27	41	34	54	95	2	0	0	0	290
S	1	14	31	31	26	40	45	90	2	0	0	0	280
SSW	1	5	28	42	46	52	47	45	0	0	0	0	266
SW	1	5	46	58	86	80	63	21	0	0	0	0	360
WSW	0	7	44	62	81	54	18	14	3	7	2	0	292
W	1	14	33	40	17	12	5	4	7	8	1	0	142
WNW	1	11	34	21	7	0	1	1	1	1	1	0	79
NW	0	7	13	12	3	1	1	3	4	3	1	0	48
NNW	1	4	26	12	5	3	2	7	8	6	0	0	74
TOTAL	16	133	477	512	445	375	309	360	50	42	7	0	2726

NMP Unit 2 USAR

TABLE 2B-55 (Cont'd.)

STABILITY CLASS: ALL

Direction	0.44	1.0	2.0	3.0	4.0	5.0	6.0	8.0	10.0	13.0	18.0	>18.0	Total
MAXIMUM METERS PER SECOND													
N	2	24	120	215	188	197	218	477	342	302	96	7	2188
NNE	2	23	119	232	242	234	228	580	407	337	98	1	2503
NE	0	27	165	312	330	254	175	231	96	42	1	0	1633
ENE	0	35	140	240	187	84	32	18	1	0	0	0	737
E	6	29	134	192	227	133	88	58	3	2	0	0	872
ESE	5	22	109	209	242	251	321	304	95	17	3	0	1578
SE	2	19	83	174	292	416	671	1436	597	200	20	0	3910
SSE	7	16	102	165	327	372	507	1291	563	140	12	0	3502
S	4	28	80	158	269	433	558	1308	480	74	3	0	3395
SSW	4	17	92	171	236	379	514	869	118	11	0	0	2411
SW	4	23	131	181	265	342	435	563	204	61	5	0	2214
WSW	1	25	138	231	397	595	633	1155	692	596	401	42	4906
W	2	27	126	328	405	429	398	723	673	767	576	72	4526
WNW	3	21	152	264	244	237	208	498	434	550	480	58	3149
NW	2	27	127	232	195	183	249	504	460	436	173	10	2598
NNW	3	19	135	208	162	199	226	402	355	309	56	0	2074
TOTAL	47	382	1953	3512	4208	4738	5461	10417	5520	3844	1924	190	42196