APPENDIX 2B-2

METEOROLOGY

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APPENDIX 2B-2

METEOROLOGY

The following tables summarize atmospheric stability and wind speed information for the five year period of record (1959 thru 1963) for Olmsted Air Force Base and Harrisburg-York State Airport.

The season index numbers in the tables are defined as follows:

Season 1, March, April, May

Season 2, June, July, August

Season 3, September, October, November

Season 4, December, January, February

The stability indices in the tables are related to stability conditions defined in Table 2-3 as follows: A is called stability index 1; B is index 2, etc.

**TOTAL NO OF OBS= 11040 **

GROSS WIND ROSE (IN PERCENT OF TOTAL OBS)

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1.55	1.25	1.91	2.83	5.64	3.39	4.47	2.88	3.20	1.97	3.58	5.94	14.78	8.16	6.68	2.00	29.76

STABILITY INDEX DISTRIBUTION FOR EACH WIND DIRECTION (IN PERCENT OF DIRECTION TOTAL)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	1.17	0.00	0.00	0.32	0.64	1.07	1.21	1.26	0.28	2.76	2.03	0.15	0.43	0.44	0.54	0.00	4.78
2	10.53	2.90	1.42	2.88	6.74	15.51	10.73	9.12	10.76	10.60	14.18	12.50	5.76	4.33	7.72	11.78	7.55
3	15.20	6.52	4.74	3.85	6.58	13.90	9.72	17.92	15.01	15.67	18.48	16.62	17.03	13.21	19.92	13.57	15.00
4(D)	35.67	37.68	52.61	45.19	42.38	37.70	40.08	36.16	34.28	34.56	39.75	38.11	40.44	34.41	35.77	37.56	10.59
4(N)	18.71	32.61	30.33	36.86	30.98	18.72	20.04	13.84	20.40	19.82	14.43	19.51	19.73	22.75	13.69	13.12	12.84
5	8.19	7.25	6.64	5.45	7.54	7.49	11.94	10.69	11.61	9.68	7.09	9.45	9.80	11.54	9.35	12.22	0.00
6	8.77	11.59	4.27	4.49	4.65	4.81	5.06	7.86	6.80	5.07	3.80	3.05	5.58	10.21	10.70	10.86	18.17
7	1.75	1.45	0.00	0.96	0.48	0.80	1.21	3.14	0.85	1.84	0.25	0.61	1.23	3.11	2.30	0.90	31.07

STABILITY INDEX DISTRIBUTION IN PERCENT OF TOTAL OBS.

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.02	0.00	0.00	0.01	0.04	0.04	0.05	0.04	0.01	0.05	0.07	0.01	0.06	0.04	0.04	0.00	1.42
2	0.16	0.04	0.03	0.08	0.38	0.53	0.48	0.26	0.34	0.21	0.51	0.74	0.85	0.35	0.52	0.24	2.25
3	0.24	0.08	0.09	0.11	0.37	0.47	0.43	0.52	0.48	0.31	0.66	0.99	2.52	1.08	1.33	0.27	4.47
4(D)	0.55	0.47	1.01	1.28	2.39	1.28	1.79	1.04	1.10	0.68	1.42	2.26	5.98	2.81	2.39	0.75	3.15
4(N)	0.29	0.41	0.58	1.04	1.75	0.63	0.90	0.40	0.65	0.39	0.52	1.16	2.92	1.86	0.91	0.26	3.82
5	0.13	0.09	0.13	0.15	0.43	0.25	0.53	0.31	0.37	0.19	0.25	0.56	1.45	0.94	0.63	0.24	0.00
6	0.14	0.14	0.08	0.13	0.26	0.16	0.23	0.23	0.22	0.10	0.14	0.18	0.82	0.83	0.72	0.22	5.41
7	0.03	0.02	0.00	0.03	0.03	0.03	0.05	0.09	0.03	0.04	0.01	0.04	0.18	0.25	0.15	0.02	9.25

AVERAGE WIND SPEED FOR EACH STABILITY INDEX AND DIRECTION (IN KNOTS)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
1	4.0	0.0	0.0	5.0	4.3	4.0	3.5	4.5	5.0	4.7	4.8	5.0	4.4	4.3	5.0	0.0
2	5.2	6.0	4.0	6.3	5.3	5.3	5.3	5.2	5.1	5.5	5.5	5.6	5.6	5.2	5.9	5.1
3	7.2	6.7	5.4	6.3	5.8	6.4	7.0	7.6	7.3	7.8	8.0	7.8	7.9	8.1	7.9	8.3
4(D)	7.0	7.5	6.8	6.9	7.5	7.5	8.3	9.5	9.4	9.7	10.6	12.4	12.1	10.7	9.1	7.5
4(N)	6.1	7.2	7.0	7.8	7.9	8.2	8.2	7.5	9.2	9.6	11.9	11.5	11.6	10.7	9.8	8.0
5	5.5	5.0	5.9	5.2	5.7	5.3	6.7	7.2	6.6	7.0	7.9	7.5	7.5	7.6	7.4	6.9
6	4.3	4.5	3.9	4.2	4.8	4.7	4.7	4.1	4.3	4.3	4.1	4.8	4.8	4.9	4.7	4.5
7	3.0	3.0	0.0	2.7	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

0002 303

**TOTAL NO OF OBS= 11034 **

GROSS WIND ROSE (IN PERCENT OF TOTAL OBS)

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1.53	1.16	1.39	1.28	2.86	2.85	4.79	3.98	5.32	2.99	4.16	5.03	9.62	5.01	3.26	1.62	43.16

STABILITY INDEX DISTRIBUTION FOR EACH WIND DIRECTION (IN PERCENT OF DIRECTION TOTAL)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	3.55	5.47	1.96	2.13	1.90	4.14	3.98	4.56	4.77	9.09	6.97	4.68	2.54	1.45	2.22	3.35	9.76
2	18.93	14.06	6.54	10.64	12.97	9.24	10.80	19.59	15.50	23.33	31.59	30.27	18.10	13.92	19.72	25.14	8.63
3	18.34	8.59	9.80	10.64	7.59	11.46	11.93	10.02	21.12	21.21	24.84	30.63	28.28	23.15	27.78	24.58	16.82
4(D)	35.50	44.53	36.60	34.04	42.09	40.13	37.50	28.47	29.13	22.42	25.71	17.12	28.93	28.21	29.17	23.46	8.19
4(N)	14.79	10.16	22.88	24.82	16.77	12.10	15.91	17.77	11.58	7.58	3.70	5.59	6.97	8.68	5.56	6.70	6.17
5	1.18	3.91	7.19	8.51	8.86	12.74	9.85	9.79	11.24	11.82	4.79	6.13	7.45	10.13	5.00	6.70	0.00
6	6.51	10.94	13.07	5.67	8.23	8.60	8.71	8.66	5.62	3.03	2.18	4.68	5.94	11.75	8.89	8.94	18.48
7	1.18	2.34	1.96	3.55	1.58	1.59	1.33	1.14	1.02	1.52	0.22	0.90	1.79	2.71	1.67	1.12	31.94

STABILITY INDEX DISTRIBUTION IN PERCENT OF TOTAL OBS.

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.05	0.06	0.03	0.03	0.05	0.12	0.19	0.18	0.25	0.27	0.29	10.24	0.24	0.07	0.07	0.05	4.21
2	0.29	0.16	0.09	0.14	0.37	0.26	0.52	0.78	0.82	0.70	1.31	1.52	1.74	0.70	0.64	0.41	3.72
3	0.28	0.10	0.14	0.14	0.22	0.33	0.57	0.40	1.12	0.63	1.03	1.54	2.72	1.16	0.91	0.40	7.26
4(D)	0.54	0.52	0.51	0.44	1.21	1.14	1.79	1.13	1.55	0.67	1.07	0.86	2.78	1.41	0.95	0.38	3.53
4(N)	0.23	0.12	0.32	0.32	0.48	0.34	0.76	0.71	0.62	0.23	0.15	0.28	0.67	0.44	0.18	0.11	2.66
5	0.02	0.05	0.10	0.11	0.25	0.36	0.47	0.39	0.60	0.35	0.20	0.31	0.72	0.51	0.16	0.11	0.00
6	0.10	0.13	0.18	0.07	0.24	0.24	0.42	0.34	0.30	0.09	0.09	0.24	0.57	0.59	0.29	0.15	7.98
7	0.02	0.03	0.03	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.01	0.05	0.17	0.14	0.05	0.02	13.78

AVERAGE WIND SPEED FOR EACH STABILITY INDEX AND DIRECTION (IN KNOTS)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
1	4.0	3.3	4.0	3.3	3.8	4.5	3.9	4.1	3.9	3.8	4.1	4.6	4.4	3.8	3.8	4.3
2	5.2	4.8	4.4	5.8	5.6	4.6	4.4	4.7	4.7	4.8	5.4	5.6	5.5	5.5	5.8	5.0
3	6.5	5.4	6.1	4.9	5.9	5.5	5.9	5.7	6.6	6.5	7.2	7.9	8.0	8.1	6.3	6.8
4(D)	5.8	5.8	6.0	5.7	5.9	5.9	6.9	6.6	7.6	7.9	7.8	8.0	9.9	9.5	7.1	6.0
4(N)	5.0	5.3	5.9	5.7	6.2	6.3	6.7	7.3	8.0	9.2	7.6	9.8	9.7	8.9	7.2	5.5
5	5.0	4.4	5.3	5.1	5.4	5.4	6.0	5.8	6.8	6.8	5.8	6.2	6.7	7.2	7.0	5.1
6	4.5	4.5	4.0	3.8	4.3	5.0	4.6	4.5	4.4	4.9	4.2	4.6	4.3	4.7	4.1	4.3
7	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.8	2.8	3.0	3.0	3.0	2.9	2.8	3.0	3.0

0002 304

**TOTAL NO OF OBS* 10920 **

GROSS WIND ROSE (IN PERCENT OF TOTAL OBS)

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1.25	1.18	1.57	1.14	3.57	2.66	3.12	2.36	3.29	1.70	1.81	3.42	11.41	6.80	5.53	1.52	47.65

STABILITY INDEX DISTRIBUTION FOR EACH WIND DIRECTION (IN PERCENT OF DIRECTION TOTAL)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.71
2	9.49	7.75	5.26	3.20	5.38	11.34	11.73	9.30	10.31	13.98	22.22	12.33	6.50	3.63	6.79	8.43	7.75
3	21.90	20.16	13.45	6.40	7.69	13.40	14.37	12.40	15.04	13.98	20.20	18.77	14.13	11.98	16.72	19.28	14.01
4(D)	44.53	35.66	41.52	38.40	33.59	30.58	28.15	29.07	39.00	32.80	28.28	37.80	38.12	29.34	33.11	34.94	7.73
4(N)	11.68	21.71	20.47	29.60	32.05	23.02	21.41	18.60	15.04	16.67	10.61	14.75	21.03	24.63	19.04	10.84	11.34
5	0.00	5.43	4.09	4.80	8.97	11.00	11.44	17.05	12.26	17.20	11.11	10.19	11.00	12.25	9.93	11.45	0.00
6	8.03	6.98	12.28	9.60	10.00	7.56	10.85	8.91	7.24	4.84	7.07	4.56	6.98	14.13	12.09	9.64	15.68
7	4.38	2.33	2.92	8.00	2.31	3.09	2.05	4.65	1.11	0.54	0.51	1.61	2.25	4.04	2.32	5.42	38.79

STABILITY INDEX DISTRIBUTION IN PERCENT OF TOTAL OBS.

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24
2	0.12	0.09	0.08	0.04	0.19	0.30	0.37	0.22	0.34	0.24	0.40	0.42	0.74	0.25	0.38	0.13	3.69
3	0.27	0.24	0.21	0.07	0.27	0.36	0.45	0.29	0.49	0.24	0.37	0.64	1.61	0.82	0.92	0.29	6.68
4(D)	0.56	0.42	0.65	0.44	1.20	0.82	0.88	0.69	1.28	0.56	0.51	1.29	4.35	2.00	1.83	0.53	3.68
4(N)	0.15	0.26	0.32	0.34	1.14	0.61	0.67	0.44	0.49	0.28	0.19	0.50	2.40	1.68	1.05	0.16	5.40
5	0.00	0.06	0.06	0.05	0.32	0.29	0.36	0.40	0.40	0.29	0.20	0.35	1.25	0.83	0.55	0.17	0.00
6	0.10	0.08	0.19	0.11	0.36	0.20	0.34	0.21	0.24	0.08	0.13	0.16	0.80	0.96	0.67	0.15	7.47
7	0.05	0.03	0.05	0.09	0.08	0.08	0.06	0.11	0.04	0.01	0.01	0.05	0.26	0.27	0.13	0.08	18.48

AVERAGE WIND SPEED FOR EACH STABILITY INDEX AND DIRECTION (IN KNOTS)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	4.9	4.3	4.8	4.5	4.4	4.4	4.0	3.2	3.7	4.0	4.3	5.0	4.9	4.9	4.9	4.5
3	6.6	7.1	7.2	6.0	5.0	5.0	5.5	5.7	6.5	5.9	6.7	6.2	6.8	6.5	7.0	6.5
4(D)	6.9	5.9	6.3	5.1	6.8	5.8	6.0	6.8	8.5	6.8	8.3	10.2	10.8	10.1	8.2	7.9
4(N)	5.6	6.3	5.1	7.5	7.1	6.0	6.2	7.8	9.0	8.6	10.4	9.1	11.1	10.6	8.4	7.5
5	0.0	4.6	4.3	5.5	4.8	5.5	5.9	6.0	7.2	7.1	7.6	7.7	7.5	7.2	6.6	6.2
6	4.2	3.6	3.9	3.8	4.1	4.5	4.3	4.4	4.9	4.7	5.1	5.1	4.9	4.6	4.6	4.6
7	2.7	3.0	3.0	3.0	2.9	2.9	2.9	2.8	3.0	3.0	3.0	3.0	3.0	2.9	3.0	3.0

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**TOTAL NO OF OBS= 10824 **

GROSS WIND ROSE (IN PERCENT OF TOTAL OBS)

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1.11	1.08	1.60	1.16	3.66	2.21	1.60	1.28	2.06	2.00	3.07	5.59	17.42	9.04	5.86	1.35	39.92

STABILITY INDEX DISTRIBUTION FOR EACH WIND DIRECTION (IN PERCENT OF DIRECTION TOTAL)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49
2	0.83	0.85	0.00	0.00	0.25	2.09	3.47	2.16	0.45	1.85	1.81	0.99	1.01	1.33	2.52	0.68	5.65
3	4.17	7.69	2.89	4.76	6.31	11.30	17.92	6.47	12.11	9.56	9.94	11.40	8.54	5.73	10.73	9.59	12.24
4(D)	50.83	47.86	39.88	27.78	41.67	33.69	38.15	41.01	41.26	35.65	31.33	41.98	35.79	29.14	33.60	34.25	12.77
4(N)	32.50	35.90	48.55	52.38	38.89	34.73	28.90	28.78	30.94	28.70	34.64	29.09	33.46	37.12	23.34	19.86	23.10
5	4.17	5.13	5.20	5.56	8.33	10.04	5.20	10.79	7.62	18.98	11.14	10.58	12.99	14.92	13.72	14.38	0.00
6	5.00	2.56	2.89	8.73	3.28	6.69	4.05	6.47	7.17	6.02	8.73	4.96	6.89	9.41	12.62	18.49	18.49
7	2.50	0.00	0.58	0.79	1.26	1.26	2.31	4.32	0.45	3.24	2.41	0.99	1.33	2.35	3.47	2.74	27.26

STABILITY INDEX DISTRIBUTION IN PERCENT OF TOTAL OBS.

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
2	0.01	0.01	0.00	0.00	0.01	0.05	0.06	0.03	0.01	0.04	0.06	0.06	0.18	0.12	0.15	0.01	2.25
3	0.05	0.08	0.05	0.06	0.23	0.25	0.29	0.08	0.25	0.11	0.30	0.64	1.49	0.52	0.63	0.13	4.89
4(D)	0.56	0.52	0.64	0.32	1.52	0.75	0.61	0.53	0.85	0.71	0.96	2.35	6.24	2.63	1.97	0.46	5.10
4(N)	0.36	0.39	0.78	0.61	1.42	0.77	0.46	0.37	0.64	0.57	1.06	1.63	5.83	3.35	1.37	0.27	9.22
5	0.05	0.06	0.08	0.06	0.30	0.22	0.08	0.14	0.16	0.38	0.34	0.59	2.26	1.35	0.80	0.19	0.00
6	0.06	0.03	0.05	0.10	0.12	0.15	0.06	0.08	0.15	0.12	0.27	0.28	1.20	0.85	0.74	0.25	7.38
7	0.03	0.00	0.01	0.01	0.05	0.03	0.04	0.06	0.01	0.06	0.07	0.06	0.23	0.21	0.20	0.04	10.88

AVERAGE WIND SPEED FOR EACH STABILITY INDEX AND DIRECTION (IN KNOTS)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	3.0	3.0	0.0	0.0	3.0	4.0	2.8	3.0	2.0	3.3	4.2	5.8	3.4	3.4	3.4	3.0
3	5.4	4.6	3.4	4.5	5.8	4.0	5.1	5.6	5.1	6.0	6.6	6.9	6.6	5.7	6.3	5.4
4(D)	6.6	5.3	6.5	6.5	6.5	5.6	5.7	7.3	8.9	8.3	11.0	12.5	12.1	12.0	8.9	7.3
4(N)	7.1	5.0	6.5	7.1	6.5	5.9	6.8	7.9	9.7	8.8	10.2	12.0	11.9	12.5	9.1	7.8
5	5.4	5.0	5.3	4.9	5.3	5.2	5.2	6.3	6.2	7.6	8.0	8.3	8.0	7.5	7.3	7.5
6	4.5	4.3	4.0	3.8	3.3	3.6	3.9	4.3	4.6	5.0	4.3	4.7	4.9	4.6	4.7	4.6
7	3.0	0.0	3.0	3.0	3.0	3.0	2.8	2.5	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.0

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**TOTAL NO OF OBS= 438$_{18}$ **

GROSS WIND ROSE (IN PERCENT OF TOTAL OBS)

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1.36	1.17	1.62	1.61	3.94	2.78	3.51	2.63	3.47	2.17	3.16	5.00	13.29	7.25	5.33	1.62	40.18

STABILITY INDEX DISTRIBUTION FOR EACH WIND DIRECTION (IN PERCENT OF DIRECTION TOTAL)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	1.34	1.37	0.42	0.57	0.58	1.40	1.76	2.08	1.91	3.79	2.89	1.23	0.58	0.38	0.51	0.84	5.05
2	10.72	6.45	3.11	3.98	6.09	10.26	10.16	12.31	10.97	13.70	18.14	13.80	6.63	4.91	7.92	12.08	7.43
3	15.41	10.74	7.49	5.82	6.96	12.64	12.43	12.31	16.95	14.96	18.79	19.10	15.71	12.35	17.81	16.85	14.52
4(D)	40.70	41.21	43.36	38.64	40.17	35.88	36.33	32.24	34.43	30.24	31.43	33.81	36.34	30.52	33.48	32.72	9.63
4(N)	18.78	25.00	30.79	35.94	30.43	21.18	19.92	18.20	17.28	16.97	15.17	17.82	22.13	25.17	16.44	12.36	13.11
5	3.52	5.47	5.70	5.97	8.29	10.18	10.35	11.79	11.04	14.01	7.88	9.05	10.66	12.50	10.02	11.10	0.00
6	7.20	8.20	7.77	6.39	6.20	6.81	7.49	8.23	6.50	4.53	4.91	4.25	6.37	11.15	11.30	11.66	17.60
7	2.35	1.56	1.27	2.70	1.28	1.64	1.56	2.86	0.92	1.79	0.79	0.96	1.58	3.02	2.53	2.39	32.65

STABILITY INDEX DISTRIBUTION IN PERCENT OF TOTAL OBS.

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.02	0.02	0.01	0.01	0.02	0.04	0.06	0.05	0.07	0.08	0.09	0.06	0.08	0.03	0.03	0.01	2.03
2	0.15	0.08	0.05	0.06	0.24	0.29	0.36	0.32	0.38	0.30	0.57	0.69	0.88	0.36	0.42	0.20	2.98
3	0.21	0.13	0.12	0.09	0.27	0.35	0.44	0.32	0.59	0.32	0.59	0.95	2.09	0.69	0.95	0.27	5.82
4(D)	0.55	0.48	0.70	0.62	1.58	1.00	1.27	0.85	1.20	0.65	0.99	1.69	4.83	2.21	1.78	0.53	3.86
4(N)	0.26	0.29	0.50	0.58	1.20	0.59	0.70	0.48	0.60	0.37	0.48	0.89	2.94	1.82	0.88	0.20	5.26
5	0.05	0.06	0.09	0.10	0.33	0.28	0.36	0.31	0.38	0.30	0.25	0.45	1.42	0.91	0.53	0.18	0.00
6	0.10	0.10	0.13	0.10	0.24	0.19	0.26	0.22	0.23	0.10	0.16	0.21	0.85	0.81	0.60	0.19	7.06
7	0.03	0.02	0.02	0.04	0.05	0.05	0.05	0.08	0.03	0.04	0.03	0.05	0.21	0.22	0.13	0.04	13.10

AVERAGE WIND SPEED FOR EACH STABILITY INDEX AND DIRECTION (IN KNOTS)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
1	4.0	3.3	4.0	3.8	4.0	4.4	3.8	4.2	4.0	3.9	4.2	4.6	4.4	3.9	4.2	4.3
2	5.1	4.8	4.5	5.8	5.2	4.8	4.6	4.5	4.6	4.7	5.2	5.5	5.3	5.2	5.4	4.9
3	6.7	6.3	6.2	5.5	5.6	5.4	5.9	6.5	6.6	6.7	7.3	7.4	7.5	7.4	7.0	6.9
4(D)	6.6	6.1	6.4	6.3	6.8	6.3	7.1	7.6	8.5	8.2	9.6	11.4	11.5	10.7	8.5	7.3
4(N)	6.1	6.1	6.3	7.3	7.1	6.6	7.1	7.6	9.0	9.0	10.5	11.3	11.5	11.4	9.0	7.5
5	5.4	4.8	5.3	5.1	5.3	5.4	6.2	6.3	6.8	7.2	7.4	7.5	7.6	7.4	7.1	6.6
6	4.3	4.3	3.9	3.9	4.2	4.5	4.5	4.4	4.5	4.7	4.4	4.8	4.8	4.7	4.6	4.5
7	2.9	3.0	3.0	2.9	3.0	3.0	2.9	2.8	2.9	3.0	3.0	3.0	3.0	2.9	3.0	3.0

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**TOTAL NO OF OBS= 11038 **

GROSS WIND ROSE (IN PERCENT OF TOTAL OBS)

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1.68	1.39	3.94	7.08	8.06	4.64	3.25	3.14	2.74	3.32	7.91	12.59	15.27	10.13	5.54	3.85	5.46

STABILITY INDEX DISTRIBUTION FOR EACH WIND DIRECTION (IN PERCENT OF DIRECTION TOTAL)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	2.70	2.61	0.46	0.64	0.45	0.78	0.84	0.00	0.00	0.54	0.80	0.00	0.47	0.72	0.49	1.18	3.65
2	13.51	17.65	7.36	6.61	5.28	3.13	4.74	6.05	4.64	5.72	3.89	3.67	3.50	6.17	10.15	9.18	6.63
3	9.73	7.84	5.29	11.25	8.20	7.42	11.14	9.80	11.92	14.99	13.29	10.29	10.32	15.74	17.51	12.00	14.76
4(D)	30.81	21.57	41.38	39.39	40.90	37.11	37.88	43.23	45.03	26.98	30.58	34.96	42.59	42.04	43.70	28.24	0.95
4(N)	18.92	33.99	32.64	27.11	27.75	28.32	25.35	17.87	18.21	12.26	12.14	18.13	24.73	21.82	11.95	18.12	13.10
5	8.11	7.19	6.67	7.42	7.08	7.81	9.75	8.93	8.61	9.26	16.27	14.10	11.27	6.44	7.69	16.35	0.00
6	12.97	7.84	5.06	6.91	8.54	11.72	6.96	11.24	9.27	20.71	17.18	14.17	5.28	4.74	6.22	12.94	23.05
7	3.24	1.31	1.15	1.28	1.80	3.71	3.34	2.88	2.32	9.54	5.84	4.68	1.84	2.33	2.29	4.00	27.86

STABILITY INDEX DISTRIBUTION IN PERCENT OF TOTAL OBS.

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.05	0.04	0.02	0.05	0.04	0.04	0.03	0.00	0.00	0.02	0.06	0.00	0.07	0.07	0.03	0.05	0.20
2	0.23	0.24	0.29	0.43	0.43	0.14	0.15	0.19	0.13	0.19	0.31	0.46	0.53	0.63	0.56	0.35	0.36
3	0.16	0.11	0.21	0.80	0.66	0.34	0.36	0.31	0.33	0.50	1.05	1.30	1.58	1.59	0.97	0.46	0.81
4(D)	0.52	0.30	1.63	2.79	3.30	1.72	1.23	1.36	1.23	0.90	2.42	4.40	6.50	4.26	2.42	1.09	0.60
4(N)	0.32	0.47	1.29	1.92	2.24	1.31	0.82	0.56	0.50	0.41	0.96	2.28	3.78	2.21	0.66	0.70	0.72
5	0.14	0.10	0.26	0.53	0.57	0.36	0.32	0.28	0.24	0.31	1.29	1.78	1.72	0.65	0.43	0.55	0.00
6	0.22	0.11	0.20	0.49	0.69	0.54	0.23	0.35	0.25	0.69	1.36	1.78	0.81	0.48	0.34	0.50	1.26
7	0.05	0.02	0.05	0.09	0.14	0.17	0.11	0.09	0.06	0.32	0.46	0.59	0.28	0.24	0.13	0.15	1.52

AVERAGE WIND SPEED FOR EACH STABILITY INDEX AND DIRECTION (IN KNOTS)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
1	3.4	4.3	5.0	4.0	4.3	4.3	3.3	0.0	0.0	2.0	3.9	0.0	4.0	3.9	3.7	5.0
2	4.9	4.2	5.0	4.7	5.1	5.1	4.5	4.5	5.5	5.0	5.4	5.0	5.3	5.9	5.7	4.7
3	5.5	4.3	5.7	6.7	6.6	5.7	7.1	6.2	7.5	6.5	6.8	7.4	7.5	7.7	8.2	5.7
4(D)	7.5	6.7	7.3	7.7	7.8	7.5	9.8	9.3	10.1	8.7	9.6	11.5	13.4	12.4	10.3	8.1
4(N)	8.2	6.6	7.8	7.5	8.1	8.1	9.0	8.7	9.7	7.1	8.5	9.7	12.4	12.1	9.3	7.6
5	6.3	5.2	5.9	5.5	5.5	5.3	6.3	6.4	6.0	5.9	6.4	6.9	7.9	7.2	7.2	7.3
6	4.0	3.0	3.5	4.1	4.2	3.7	3.9	3.9	3.7	3.8	4.4	4.6	4.3	4.0	4.2	4.4
7	2.8	3.0	2.4	2.6	2.8	2.4	2.4	2.7	2.9	2.5	2.7	2.6	2.5	2.7	2.6	2.4

**TOTAL NO OF OBS= 11039 **

GROSS WIND ROSE (IN PERCENT OF TOTAL OBS)

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1.28	1.75	2.78	4.25	5.40	4.60	3.56	4.41	4.43	7.10	9.68	12.98	11.78	8.67	5.06	3.88	8.22

STABILITY INDEX DISTRIBUTION FOR EACH WIND DIRECTION (IN PERCENT OF DIRECTION TOTAL)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	5.67	6.22	4.89	2.99	1.16	2.51	1.78	1.64	1.23	1.40	1.59	0.98	1.15	1.46	3.94	4.91	5.84
2	22.78	23.32	13.68	16.63	10.74	8.11	6.87	6.57	7.16	8.55	10.57	10.26	10.92	17.66	27.73	23.13	7.17
3	17.73	7.77	7.82	14.29	10.74	12.36	10.18	16.63	22.90	19.64	18.33	17.17	21.38	24.45	22.36	22.43	17.75
4(D)	29.79	33.68	36.81	38.17	37.36	33.40	36.13	32.45	38.65	24.23	21.14	21.91	28.69	28.84	26.12	26.87	10.69
4(N)	14.18	12.95	22.80	16.20	20.00	17.95	18.32	16.63	10.22	6.25	5.99	8.72	9.54	5.85	5.37	6.78	7.61
5	3.55	8.29	4.56	4.48	8.93	8.49	15.52	10.27	5.93	6.89	14.69	15.84	10.00	6.27	6.44	4.67	0.00
6	4.96	6.74	5.86	5.54	8.60	11.39	8.91	9.03	8.38	19.52	19.93	18.42	14.00	10.76	3.19	6.54	22.05
7	1.42	1.04	3.58	1.71	2.48	5.79	2.29	6.78	5.52	13.52	7.76	6.70	4.31	4.70	2.86	4.67	28.89

STABILITY INDEX DISTRIBUTION IN PERCENT OF TOTAL OBS.

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.07	0.11	0.14	0.13	0.06	0.12	0.06	0.07	0.05	0.10	0.15	0.13	0.14	0.13	0.20	0.19	0.48
2	0.29	0.41	0.38	0.71	0.59	0.38	0.24	0.29	0.32	0.61	1.02	1.33	1.29	1.53	1.40	0.90	0.59
3	0.23	0.14	0.22	0.61	0.59	0.58	0.36	0.73	1.01	1.40	1.78	2.23	2.52	2.12	1.13	0.87	1.46
4(D)	0.38	0.59	1.02	1.62	2.05	1.57	1.29	1.43	1.71	1.72	2.05	2.84	3.38	2.50	1.32	1.04	0.88
4(N)	0.18	0.23	0.63	0.69	1.10	0.84	0.65	0.73	0.45	0.44	0.58	1.13	1.12	0.51	0.27	0.26	0.63
5	0.05	0.14	0.13	0.19	0.49	0.40	0.55	0.45	0.26	0.49	1.42	2.06	1.18	0.54	0.33	0.18	0.00
6	0.06	0.12	0.16	0.24	0.47	0.53	0.32	0.40	0.37	1.39	1.93	2.39	1.65	0.93	0.26	0.25	1.81
7	0.02	0.02	0.10	0.07	0.14	0.27	0.08	0.30	0.24	0.96	0.75	0.87	0.51	0.41	0.14	0.18	2.37

AVERAGE WIND SPEED FOR EACH STABILITY INDEX AND DIRECTION (IN KNOTS)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
1	3.5	4.2	3.9	4.0	3.6	3.2	3.3	4.0	3.3	3.7	4.0	4.4	3.8	4.0	4.3	3.9
2	4.6	4.4	4.7	5.2	5.2	4.6	5.4	4.8	5.2	5.3	5.5	5.4	5.7	5.5	5.8	5.0
3	6.2	6.0	5.8	6.3	5.8	5.2	6.2	6.0	7.0	5.8	6.4	6.4	7.9	8.0	7.9	6.8
4(D)	6.3	6.2	5.9	5.8	6.1	6.4	7.1	7.2	8.1	6.6	7.2	7.7	9.6	9.0	8.3	6.7
4(N)	5.8	5.0	6.0	5.7	6.0	5.5	7.1	7.8	9.2	6.4	6.6	7.1	8.7	8.1	8.1	7.8
5	6.0	6.3	6.0	5.3	5.4	5.0	6.4	5.8	6.4	5.7	5.6	6.2	6.3	6.2	6.8	6.4
6	4.0	3.6	3.7	3.5	3.5	3.7	4.1	4.0	3.3	3.3	4.1	4.4	4.6	4.2	4.2	3.7
7	2.5	2.0	2.6	2.5	2.7	2.4	2.9	2.5	2.5	2.4	2.6	2.6	2.6	2.6	2.6	2.6

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**TOTAL NO OF OBS= 10915 **

GROSS WIND ROSE (IN PERCENT OF TOTAL OBS)

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1.49	1.85	3.41	5.35	6.78	4.66	2.70	3.10	3.09	4.54	7.30	11.75	12.95	10.12	6.50	3.46	10.94

STABILITY INDEX DISTRIBUTION FOR EACH WIND DIRECTION (IN PERCENT OF DIRECTION TOTAL)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.61	0.00	0.00	0.00	0.14	0.00	0.00	0.30	0.30	0.00	0.00	0.08	0.00	0.00	0.14	0.00	2.85
2	17.79	14.36	12.37	9.93	4.19	5.30	3.73	4.14	4.45	4.04	4.27	3.59	4.88	8.14	9.31	12.70	5.78
3	14.72	15.35	12.90	13.70	12.84	8.84	4.41	9.76	15.73	11.92	13.30	10.44	10.82	13.76	15.09	14.29	11.64
4(D)	25.15	37.62	36.56	37.67	30.14	24.56	31.53	24.26	34.72	19.39	19.45	23.30	30.76	35.38	37.09	32.01	7.12
4(N)	17.79	17.82	27.42	23.29	29.86	24.95	25.76	23.08	11.57	10.30	11.17	15.04	24.82	24.80	20.17	21.43	14.41
5	8.59	2.48	3.76	5.65	6.62	12.97	15.59	10.65	5.34	8.69	12.05	12.94	10.75	5.43	8.46	7.67	0.00
6	12.88	8.42	4.84	7.19	10.54	15.32	10.85	14.79	16.32	22.21	26.60	22.37	12.52	9.59	6.91	8.20	19.43
7	2.45	3.96	2.15	2.57	5.68	8.06	8.14	13.02	11.57	24.44	13.17	12.24	5.45	2.90	2.82	3.70	38.78

STABILITY INDEX DISTRIBUTION IN PERCENT OF TOTAL OBS.

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.31
2	0.27	0.27	0.42	0.53	0.28	0.25	0.10	0.13	0.14	0.18	0.31	0.42	0.63	0.82	0.60	0.44	0.63
3	0.22	0.28	0.44	0.73	0.87	0.41	0.12	0.30	0.49	0.54	0.97	1.23	1.40	1.39	0.98	0.49	1.27
4(D)	0.38	0.70	1.25	2.02	2.04	1.15	0.85	0.75	1.07	0.88	1.42	2.74	3.99	3.58	2.41	1.11	0.78
4(N)	0.27	0.33	0.93	1.25	2.02	1.16	0.70	0.71	0.36	0.47	0.82	1.77	3.22	2.51	1.31	0.74	1.58
5	0.13	0.05	0.13	0.30	0.45	0.60	0.42	0.33	0.16	0.39	0.88	1.52	1.39	0.55	0.55	0.27	0.00
6	0.19	0.16	0.16	0.38	0.71	0.71	0.29	0.46	0.50	0.98	1.94	2.63	1.62	0.97	0.45	0.28	2.13
7	0.04	0.07	0.07	0.14	0.38	0.38	0.22	0.40	0.36	1.11	0.96	1.44	0.71	0.29	0.18	0.13	4.24

AVERAGE WIND SPEED FOR EACH STABILITY INDEX AND DIRECTION (IN KNOTS)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
1	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
2	3.9	3.4	4.5	4.3	3.9	3.3	3.9	3.9	5.1	4.4	4.8	4.1	4.7	4.7	4.6	3.9
3	6.0	5.4	5.9	5.1	5.3	4.0	5.1	5.5	6.1	5.2	5.2	5.8	6.3	5.7	7.0	5.9
4(D)	7.1	5.8	6.5	6.1	6.5	5.4	8.1	7.4	9.0	7.6	8.2	9.4	11.5	10.6	9.5	8.7
4(N)	6.3	6.3	6.3	5.3	6.9	5.8	7.8	7.2	8.5	6.0	6.2	9.1	10.8	11.7	9.6	7.4
5	5.4	6.4	6.1	5.3	5.0	5.2	6.5	6.7	6.1	5.5	6.0	6.3	7.4	6.4	7.0	7.0
6	4.3	3.8	4.7	3.5	3.5	3.6	3.8	3.1	3.0	3.5	4.2	4.4	4.5	4.4	4.2	4.1
7	2.5	2.3	3.0	2.5	2.5	2.3	2.8	2.2	2.4	2.4	2.6	2.6	2.7	2.4	2.4	2.7

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**TOTAL NO OF OBS= 10823 **

GROSS WIND ROSE (IN PERCENT OF TOTAL OBS)

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1.02	1.16	2.90	6.79	8.74	4.29	1.38	1.33	1.85	3.42	7.82	15.08	17.71	10.59	4.18	2.48	9.28

STABILITY INDEX DISTRIBUTION FOR EACH WIND DIRECTION (IN PERCENT OF DIRECTION TOTAL)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
2	2.73	3.17	0.96	1.63	0.42	2.16	1.34	2.08	0.00	0.81	0.47	1.10	0.68	1.31	2.43	4.85	5.78
3	8.18	2.38	3.82	4.35	5.50	6.68	9.40	12.50	10.00	7.30	7.92	5.94	4.28	5.58	9.73	7.84	10.86
4(D)	32.73	46.03	40.13	40.41	34.36	24.57	28.19	27.08	37.00	21.62	27.42	32.90	35.00	37.96	37.17	26.12	13.94
4(N)	34.55	33.33	47.77	38.78	40.38	37.28	30.20	17.36	20.50	21.62	22.81	32.60	39.49	36.39	29.65	29.85	22.51
5	9.09	4.76	4.14	6.53	9.20	7.76	6.04	6.94	5.00	12.43	17.02	14.03	10.90	10.38	9.07	14.18	0.00
6	7.27	6.35	2.87	6.12	7.51	15.73	13.42	18.06	15.50	22.16	19.03	10.36	7.25	6.20	10.18	13.06	21.61
7	5.45	3.97	0.32	2.18	2.64	5.82	11.41	15.97	12.00	14.05	5.32	3.06	2.40	2.18	1.77	4.10	25.00

STABILITY INDEX DISTRIBUTION IN PERCENT OF TOTAL OBS.

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
2	0.03	0.04	0.03	0.11	0.04	0.09	0.02	0.03	0.00	0.03	0.04	0.17	0.12	0.14	0.10	0.12	0.54
3	0.08	0.03	0.11	0.30	0.48	0.29	0.13	0.17	0.18	0.25	0.62	0.90	0.76	0.59	0.41	0.19	1.01
4(D)	0.33	0.54	1.16	2.74	3.00	1.05	0.39	0.36	0.68	0.74	2.14	4.96	6.20	4.02	1.55	0.65	1.29
4(N)	0.35	0.39	1.39	2.63	3.53	1.60	0.42	0.23	0.38	0.74	1.78	4.92	6.99	3.85	1.24	0.74	2.09
5	0.09	0.06	0.12	0.44	0.80	0.33	0.08	0.09	0.09	0.43	1.33	2.12	1.93	1.40	0.38	0.35	0.00
6	0.07	0.07	0.08	0.42	0.66	0.67	0.18	0.24	0.29	0.76	1.49	1.56	1.28	0.66	0.43	0.32	2.00
7	0.06	0.05	0.01	0.15	0.23	0.25	0.16	0.21	0.22	0.48	0.42	0.46	0.43	0.23	0.07	0.10	2.32

AVERAGE WIND SPEED FOR EACH STABILITY INDEX AND DIRECTION (IN KNOTS)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	3.7	3.3	2.3	3.0	3.3	3.1	2.5	2.3	0.0	4.0	3.8	3.7	3.0	3.1	2.7	3.1
3	4.3	2.7	4.5	4.9	4.8	4.3	5.1	5.8	4.9	4.4	6.5	5.6	5.9	6.3	5.7	5.5
4(D)	7.1	5.4	6.7	6.0	5.8	5.5	7.7	6.9	8.4	7.8	9.4	11.5	13.7	11.9	9.1	7.1
4(N)	7.9	7.0	6.1	5.6	6.2	5.3	6.9	6.9	8.5	7.2	7.8	10.5	12.7	12.6	9.3	7.8
5	7.1	5.5	5.5	5.3	5.0	4.7	5.2	4.7	7.4	5.3	6.6	7.2	7.7	7.4	6.9	7.0
6	3.5	3.8	2.9	3.1	3.4	3.3	3.7	3.0	3.8	3.5	4.4	4.4	4.3	4.2	4.5	4.1
7	2.5	2.4	3.0	2.1	2.5	2.1	2.3	2.1	2.3	2.3	2.6	2.5	2.8	2.5	2.8	2.3

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**TOTAL NO OF OBS= 43815 **

GROSS WIND ROSE (IN PERCENT OF TOTAL OBS)

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1.37	1.54	3.26	5.87	7.26	4.57	2.73	3.00	3.03	4.60	8.18	13.10	14.42	9.87	5.32	3.42	8.46

STABILITY INDEX DISTRIBUTION FOR EACH WIND DIRECTION (IN PERCENT OF DIRECTION TOTAL)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	2.31	2.37	1.19	0.74	0.38	0.85	0.84	0.68	0.53	0.64	0.67	0.26	0.36	0.51	1.12	1.73	3.02
2	14.86	15.58	8.61	7.59	4.62	4.74	4.77	5.32	4.82	5.51	5.16	4.57	4.48	7.93	12.61	13.28	6.26
3	12.69	9.05	7.49	10.39	8.96	8.89	8.95	12.61	16.64	14.63	13.53	10.81	10.88	14.47	16.43	14.81	13.43
4(D)	29.38	34.42	38.87	39.07	35.77	30.05	34.53	32.60	38.86	23.07	24.55	28.51	34.78	36.34	36.21	28.42	10.46
4(N)	20.37	23.00	32.49	27.59	30.52	26.86	23.75	18.69	13.93	11.14	12.61	19.21	26.10	22.91	16.30	17.81	14.72
5	7.35	5.64	4.90	6.23	7.95	9.29	12.63	9.65	6.25	8.78	15.03	14.26	10.78	7.19	7.89	9.87	0.00
6	10.02	7.42	4.69	6.50	8.71	13.48	9.36	12.08	11.67	20.63	20.53	15.98	9.29	7.70	6.95	9.94	21.25
7	3.01	2.52	1.75	1.91	3.08	5.84	5.18	8.36	7.30	15.58	7.92	6.41	3.32	2.96	2.49	4.14	30.85

STABILITY INDEX DISTRIBUTION IN PERCENT OF TOTAL OBS.

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	CALM
1	0.03	0.04	0.04	0.04	0.03	0.04	0.02	0.02	0.02	0.03	0.05	0.03	0.05	0.05	0.06	0.06	0.26
2	0.20	0.24	0.28	0.45	0.34	0.22	0.13	0.16	0.15	0.25	0.42	0.60	0.65	0.78	0.67	0.45	0.53
3	0.17	0.14	0.24	0.61	0.65	0.41	0.24	0.38	0.50	0.67	1.11	1.42	1.57	1.43	0.87	0.51	1.14
4(D)	0.40	0.53	1.27	2.29	2.60	1.37	0.94	0.98	1.18	1.06	2.01	3.73	5.01	3.59	1.93	0.97	0.89
4(N)	0.28	0.35	1.06	1.62	2.22	1.23	0.65	0.56	0.42	0.51	1.03	2.52	3.76	2.26	0.87	0.61	1.25
5	0.10	0.09	0.16	0.37	0.58	0.42	0.34	0.29	0.19	0.40	1.23	1.87	1.55	0.71	0.42	0.34	0.00
6	0.14	0.11	0.15	0.38	0.63	0.62	0.26	0.36	0.35	0.95	1.68	2.09	1.34	0.76	0.37	0.34	1.80
7	0.04	0.04	0.06	0.11	0.22	0.27	0.14	0.25	0.22	0.72	0.65	0.84	0.48	0.29	0.13	0.14	2.61
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AVERAGE WIND SPEED FOR EACH STABILITY INDEX AND DIRECTION (IN KNOTS)

INDEX	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
1	3.3	4.2	4.0	4.0	3.6	3.5	3.3	3.7	3.0	3.5	4.0	4.1	3.9	4.0	4.1	4.1
2	4.4	4.0	4.7	4.7	4.8	4.2	4.7	4.4	5.2	5.1	5.3	4.9	5.2	5.3	5.4	4.5
3	5.8	5.2	5.7	5.9	5.6	4.8	6.2	5.9	6.7	5.7	6.3	6.4	7.2	7.2	7.5	6.2
4(D)	7.0	6.0	6.7	6.5	6.6	6.4	8.3	7.9	8.9	7.5	8.7	10.4	12.5	11.2	9.5	7.7
4(N)	7.3	6.4	6.7	6.1	6.8	6.2	7.9	7.8	9.0	6.8	7.5	9.7	11.9	12.0	9.3	7.7
5	6.5	5.9	5.9	5.4	5.3	5.1	6.3	6.1	6.3	5.6	6.2	6.8	7.4	7.0	7.0	7.1
6	4.0	3.5	3.8	3.6	3.7	3.6	3.9	3.5	3.4	3.5	4.3	4.4	4.5	4.2	4.3	4.1
7	2.6	2.4	2.7	2.4	2.6	2.3	2.6	2.3	2.4	2.4	2.6	2.6	2.6	2.5	2.6	2.5

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