

## WIND DIRECTION CATEGORY

WIND	Frequency	Percent	Cumulative Frequency	Cumulative Percent
N	187	2.1	187	2.1
NNE	223	2.5	410	4.7
NE	285	3.2	695	7.9
ENE	218	2.5	913	10.4
E	180	2.0	1093	12.4
ESE	436	5.0	1529	17.4
SE	882	10.0	2411	27.5
SSE	620	7.1	3031	34.5
S	276	3.1	3307	37.7
SSW	161	1.8	3468	39.5
SW	129	1.5	3597	41.0
WSW	128	1.5	3725	42.4
W	198	2.3	3923	44.7
WNW	1066	12.1	4989	56.8
NW	3097	35.3	8086	92.1
NNW	697	7.9	8783	100.0

Frequency Missing = 1

## WIND SPEED CATEGORY

WINDSP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0.0<WS10<=1.54	1355	15.4	1355	15.4
1.54<WS10<=3.09	2458	28.0	3813	43.4
3.09<WS10<=5.14	1881	21.4	5694	64.8
5.14<WS10<=8.23	1621	18.5	7315	83.3
8.23<WS10<=10.80	952	10.8	8267	94.1
WS10>10.80	516	5.9	8783	100.0

Frequency Missing = 1

HORIZONTAL STABILITY CLASS

STABH	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1472	16.8	1472	16.8
2	610	6.9	2082	23.7
3	1071	12.2	3153	35.9
4	2901	33.0	6054	68.9
5	2532	28.8	8586	97.8
6	150	1.7	8736	99.5
7	47	0.5	8783	100.0

Frequency Missing = 1

1 DCPD 2000 WS-WD JOINT FREQ BY STABILITY 12:42 Tuesday, January 9, 2001 2

----- HORIZONTAL STABILITY CLASS=MISSING DATA -----

For WIND\*WINDSP  
all data are missing since all  
the levels of variable WIND are missing.

----- HORIZONTAL STABILITY CLASS=A -----

TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)      WINDSP(WIND SPEED CATEGORY)

Frequency Percent	0.0<WS10	1.54<WS1	3.09<WS1	5.14<WS1	Total
	<=1.54	0<=3.09	0<=5.14	0<=8.23	
N	0 0.00	65 4.42	31 2.11	1 0.07	97 6.59
NNE	9 0.61	80 5.43	34 2.31	5 0.34	128 8.70
NE	8 0.54	61 4.14	37 2.51	4 0.27	110 7.47
ENE	3 0.20	61 4.14	41 2.79	4 0.27	109 7.40
E	4 0.27	47 3.19	22 1.49	2 0.14	75 5.10
ESE	7 0.48	52 3.53	10 0.68	0 0.00	69 4.69
SE	12 0.82	66 4.48	5 0.34	0 0.00	83 5.64
SSE	12 0.82	57 3.87	2 0.14	0 0.00	71 4.82
Total	122 8.29	959 65.15	346 23.51	45 3.06	1472 100.00

(Continued)

----- HORIZONTAL STABILITY CLASS=A -----

TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)	WINDSP(WIND SPEED CATEGORY)				Total
	0.0<WS10 <=1.54	1.54<WS1 0<=3.09	3.09<WS1 0<=5.14	5.14<WS1 0<=8.23	
S	12 0.82	50 3.40	3 0.20	1 0.07	66 4.48
SSW	16 1.09	29 1.97	0 0.00	0 0.00	45 3.06
SW	8 0.54	30 2.04	7 0.48	0 0.00	45 3.06
WSW	8 0.54	35 2.38	5 0.34	2 0.14	50 3.40
W	8 0.54	56 3.80	11 0.75	4 0.27	79 5.37
WNW	7 0.48	71 4.82	39 2.65	7 0.48	124 8.42
NW	5 0.34	103 7.00	44 2.99	13 0.88	165 11.21
NNW	3 0.20	96 6.52	55 3.74	2 0.14	156 10.60
Total	122 8.29	959 65.15	346 23.51	45 3.06	1472 100.00

----- HORIZONTAL STABILITY CLASS=B -----

TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)	WINDSP(WIND SPEED CATEGORY)					Total
	0.0<WS10 <=1.54	1.54<WS1 0<=3.09	3.09<WS1 0<=5.14	5.14<WS1 0<=8.23	8.23<WS1 0<=10.80	
N	1 0.16	20 3.28	5 0.82	4 0.66	1 0.16	31 5.08
NNE	0 0.00	21 3.44	17 2.79	6 0.98	0 0.00	44 7.21
NE	0 0.00	20 3.28	10 1.64	9 1.48	0 0.00	39 6.39
ENE	0 0.00	6 0.98	8 1.31	3 0.49	0 0.00	17 2.79
E	1 0.16	10 1.64	8 1.31	2 0.33	0 0.00	21 3.44
ESE	2 0.33	25 4.10	10 1.64	2 0.33	1 0.16	40 6.56
SE	3 0.49	42 6.89	6 0.98	0 0.00	0 0.00	51 8.36
SSE	6 0.98	30 4.92	1 0.16	1 0.16	0 0.00	38 6.23
Total	30 4.92	364 59.67	151 24.75	60 9.84	5 0.82	610 100.00

(Continued)

----- HORIZONTAL STABILITY CLASS=B -----

TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)	WINDSP(WIND SPEED CATEGORY)					Total
	0.0<WS10 <=1.54	1.54<WS1 0<=3.09	3.09<WS1 0<=5.14	5.14<WS1 0<=8.23	8.23<WS1 0<=10.80	
S	3 0.49	16 2.62	1 0.16	1 0.16	0 0.00	21 3.44
SSW	5 0.82	9 1.48	3 0.49	0 0.00	0 0.00	17 2.79
SW	0 0.00	17 2.79	1 0.16	0 0.00	0 0.00	18 2.95
WSW	2 0.33	13 2.13	4 0.66	0 0.00	0 0.00	19 3.11
W	2 0.33	24 3.93	0 0.00	1 0.16	0 0.00	27 4.43
WNW	3 0.49	34 5.57	17 2.79	11 1.80	2 0.33	67 10.98
NW	1 0.16	42 6.89	30 4.92	12 1.97	1 0.16	86 14.10
NNW	1 0.16	35 5.74	30 4.92	8 1.31	0 0.00	74 12.13
Total	30 4.92	364 59.67	151 24.75	60 9.84	5 0.82	610 100.00

----- HORIZONTAL STABILITY CLASS=C -----

TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)	WINDSP(WIND SPEED CATEGORY)						Total
	0.0<WS10 <=1.54	1.54<WS1 0<=3.09	3.09<WS1 0<=5.14	5.14<WS1 0<=8.23	8.23<WS1 0<=10.80	WS10>10 .80	
N	0 0.00	17 1.59	8 0.75	4 0.37	1 0.09	0 0.00	30 2.80
NNE	0 0.00	16 1.49	2 0.19	1 0.09	0 0.00	0 0.00	19 1.77
NE	0 0.00	30 2.80	22 2.05	9 0.84	0 0.00	0 0.00	61 5.70
ENE	0 0.00	10 0.93	9 0.84	3 0.28	1 0.09	0 0.00	23 2.15
E	1 0.09	7 0.65	0 0.00	0 0.00	0 0.00	0 0.00	8 0.75
ESE	0 0.00	25 2.33	24 2.24	24 2.24	5 0.47	0 0.00	78 7.28
SE	3 0.28	89 8.31	21 1.96	3 0.28	0 0.00	0 0.00	116 10.83
SSE	2 0.19	49 4.58	13 1.21	0 0.00	0 0.00	0 0.00	64 5.98
Total	21 1.96	502 46.87	320 29.88	168 15.69	52 4.86	8 0.75	1071 100.00

(Continued)

----- HORIZONTAL STABILITY CLASS=C -----

TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)	WINDSP(WIND SPEED CATEGORY)						Total
	0.0<WS10 <=1.54	1.54<WS1 0<=3.09	3.09<WS1 0<=5.14	5.14<WS1 0<=8.23	8.23<WS1 0<=10.80	WS10>10 .80	
S	5 0.47	37 3.45	0 0.00	0 0.00	0 0.00	0 0.00	42 3.92
SSW	3 0.28	10 0.93	8 0.75	1 0.09	0 0.00	0 0.00	22 2.05
SW	0 0.00	7 0.65	0 0.00	0 0.00	0 0.00	0 0.00	7 0.65
WSW	2 0.19	4 0.37	1 0.09	0 0.00	0 0.00	0 0.00	7 0.65
W	0 0.00	9 0.84	7 0.65	4 0.37	1 0.09	0 0.00	21 1.96
WNW	1 0.09	78 7.28	29 2.71	34 3.17	15 1.40	2 0.19	159 14.85
NW	3 0.28	81 7.56	93 8.68	50 4.67	27 2.52	6 0.56	260 24.28
NNW	1 0.09	33 3.08	83 7.75	35 3.27	2 0.19	0 0.00	154 14.38
Total	21 1.96	502 46.87	320 29.88	168 15.69	52 4.86	8 0.75	1071 100.00

----- HORIZONTAL STABILITY CLASS=D -----

TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)	WINDSP(WIND SPEED CATEGORY)						Total
	0.0<WS10 <=1.54	1.54<WS1 0<=3.09	3.09<WS1 0<=5.14	5.14<WS1 0<=8.23	8.23<WS1 0<=10.80	WS10>10 .80	
N	9 0.31	1 0.03	4 0.14	0 0.00	0 0.00	0 0.00	14 0.48
NNE	5 0.17	1 0.03	3 0.10	0 0.00	0 0.00	0 0.00	9 0.31
NE	13 0.45	9 0.31	12 0.41	7 0.24	0 0.00	0 0.00	41 1.41
ENE	12 0.41	6 0.21	7 0.24	8 0.28	1 0.03	0 0.00	34 1.17
E	11 0.38	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	11 0.38
ESE	20 0.69	15 0.52	43 1.48	64 2.21	9 0.31	0 0.00	151 5.21
SE	56 1.93	142 4.89	145 5.00	46 1.59	25 0.86	4 0.14	418 14.41
SSE	61 2.10	89 3.07	38 1.31	10 0.34	0 0.00	1 0.03	199 6.86
Total	378 13.03	558 19.23	791 27.27	743 25.61	316 10.89	115 3.96	2901 100.00

(Continued)

----- HORIZONTAL STABILITY CLASS=D -----

TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)	WINDSP(WIND SPEED CATEGORY)						Total
	0.0<WS10 <=1.54	1.54<WS1 0<=3.09	3.09<WS1 0<=5.14	5.14<WS1 0<=8.23	8.23<WS1 0<=10.80	WS10>10 .80	
S	44 1.52	32 1.10	5 0.17	8 0.28	0 0.00	0 0.00	89 3.07
SSW	28 0.97	6 0.21	1 0.03	0 0.00	0 0.00	0 0.00	35 1.21
SW	30 1.03	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	30 1.03
WSW	23 0.79	1 0.03	0 0.00	0 0.00	0 0.00	0 0.00	24 0.83
W	27 0.93	6 0.21	3 0.10	0 0.00	1 0.03	0 0.00	37 1.28
WNW	12 0.41	106 3.65	144 4.96	123 4.24	62 2.14	14 0.48	461 15.89
NW	7 0.24	123 4.24	283 9.76	369 12.72	191 6.58	85 2.93	1058 36.47
NNW	20 0.69	21 0.72	103 3.55	108 3.72	27 0.93	11 0.38	290 10.00
Total	378 13.03	558 19.23	791 27.27	743 25.61	316 10.89	115 3.96	2901 100.00

----- HORIZONTAL STABILITY CLASS=E -----

TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)	WINDSP(WIND SPEED CATEGORY)						Total
	0.0<WS10 <=1.54	1.54<WS1 0<=3.09	3.09<WS1 0<=5.14	5.14<WS1 0<=8.23	8.23<WS1 0<=10.80	WS10>10 .80	
N	15 0.59	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	15 0.59
NNE	20 0.79	0 0.00	1 0.04	0 0.00	0 0.00	0 0.00	21 0.83
NE	27 1.07	0 0.00	1 0.04	1 0.04	0 0.00	0 0.00	29 1.15
ENE	26 1.03	0 0.00	0 0.00	2 0.08	0 0.00	0 0.00	28 1.11
E	50 1.97	0 0.00	1 0.04	0 0.00	0 0.00	0 0.00	51 2.01
ESE	74 2.92	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	74 2.92
SE	94 3.71	19 0.75	31 1.22	19 0.75	5 0.20	6 0.24	174 6.87
SSE	81 3.20	34 1.34	68 2.69	25 0.99	8 0.32	1 0.04	217 8.57
Total	611 24.13	75 2.96	272 10.74	605 23.89	577 22.79	392 15.48	2532 100.00

(Continued)

----- HORIZONTAL STABILITY CLASS=E -----

TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)	WINDSP(WIND SPEED CATEGORY)						Total
	0.0<WS10 <=1.54	1.54<WS1 0<=3.09	3.09<WS1 0<=5.14	5.14<WS1 0<=8.23	8.23<WS1 0<=10.80	WS10>10 .80	
S	39 1.54	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	39 1.54
SSW	29 1.15	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	29 1.15
SW	23 0.91	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	23 0.91
WSW	19 0.75	0 0.00	1 0.04	0 0.00	0 0.00	0 0.00	20 0.79
W	23 0.91	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	23 0.91
WNW	40 1.58	8 0.32	29 1.15	95 3.75	50 1.97	28 1.11	250 9.87
NW	33 1.30	14 0.55	140 5.53	462 18.25	514 20.30	356 14.06	1519 59.99
NNW	18 0.71	0 0.00	0 0.00	1 0.04	0 0.00	1 0.04	20 0.79
Total	611 24.13	75 2.96	272 10.74	605 23.89	577 22.79	392 15.48	2532 100.00

----- HORIZONTAL STABILITY CLASS=F -----

TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)      WINDSP(WIND SPEED CATEGORY)

Frequency Percent	0.0<WS10	3.09<WS1	8.23<WS1	WS10>10	Total
	<=1.54	0<=5.14	0<=10.80	.80	
NNE	2 1.33	0 0.00	0 0.00	0 0.00	2 1.33
NE	3 2.00	0 0.00	0 0.00	0 0.00	3 2.00
ENE	6 4.00	0 0.00	0 0.00	0 0.00	6 4.00
E	11 7.33	0 0.00	0 0.00	0 0.00	11 7.33
ESE	21 14.00	0 0.00	0 0.00	0 0.00	21 14.00
SE	28 18.67	0 0.00	0 0.00	0 0.00	28 18.67
SSE	23 15.33	0 0.00	0 0.00	0 0.00	23 15.33
S	14 9.33	0 0.00	0 0.00	0 0.00	14 9.33
Total	146 97.33	1 0.67	2 1.33	1 0.67	150 100.00

(Continued)

----- HORIZONTAL STABILITY CLASS=F -----

TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)      WINDSP(WIND SPEED CATEGORY)

Frequency Percent	0.0<WS10	3.09<WS1	8.23<WS1	WS10>10	Total
	<=1.54	0<=5.14	0<=10.80	.80	
SSW	9 6.00	0 0.00	0 0.00	0 0.00	9 6.00
SW	3 2.00	0 0.00	0 0.00	0 0.00	3 2.00
WSW	7 4.67	0 0.00	0 0.00	0 0.00	7 4.67
W	7 4.67	0 0.00	0 0.00	0 0.00	7 4.67
WNW	3 2.00	1 0.67	0 0.00	0 0.00	4 2.67
NW	6 4.00	0 0.00	2 1.33	1 0.67	9 6.00
NNW	3 2.00	0 0.00	0 0.00	0 0.00	3 2.00
Total	146 97.33	1 0.67	2 1.33	1 0.67	150 100.00

----- HORIZONTAL STABILITY CLASS=G -----

## TABLE OF WIND BY WINDSP

WIND(WIND DIRECTION CATEGORY)	WINDSP(WIND SPEED CATEGORY)	
	Frequency Percent	Total
	0.0<WS10  <=1.54	
NE	2 4.26	2 4.26
ENE	1 2.13	1 2.13
E	3 6.38	3 6.38
ESE	3 6.38	3 6.38
SE	12 25.53	12 25.53
SSE	8 17.02	8 17.02
S	5 10.64	5 10.64
SSW	4 8.51	4 8.51
SW	3 6.38	3 6.38
WSW	1 2.13	1 2.13
W	4 8.51	4 8.51
WNW	1 2.13	1 2.13
Total	47 100.00	47 100.00