

SEABROOK UPDATED FSAR

APPENDIX 2B

ONSITE METEOROLOGICAL DATA SUMMARIES
APRIL 1979-MARCH 1980

The information contained in this appendix was not revised, but has been extracted from the original FSAR and is provided for historical information.

APPENDIX 2B

ONSITE METEOROLOGICAL DATA SUMMARIES

APRIL 1979 - MARCH 1980

TABLES

<u>Table</u>	<u>Title</u>
2B-1	Joint Frequency Distribution of Wind Speed, Wind Direction, and Pasquill Stability Class (43-Foot Level)
2B-2	Joint Frequency Distribution of Wind Speed, Wind Direction, and Pasquill Stability Class (209-Foot Level)
2B-3	Wind Direction Persistence Summary (43-Foot Level)
2B-4	Wind Direction Persistence Summary (209-Foot Level)
2B-5	Inversion Persistence Summary (43 - 150 Foot Delta-T)
2B-6	Inversion Persistence Summary (43 - 209 Foot Delta-T)
2B-7	Temperature Averages and Extremes
2B-8	Dew Point Averages and Extremes
2B-9	Precipitation Totals
2B-10	Meteorological Data Recovery Rates
2B-11	Stability Persistence Summary, April 1979 - March 1980
2B-12	Stability Persistence Summary, June 1980 - May 1981

APPENDIX 2B

ONSITE METEOROLOGICAL DATA SUMMARIES

APRIL 1979 - MARCH 1980

FIGURES

<u>Figure</u>	<u>Title</u>
2B-1	Spring Wind Rose (43-Foot Level) April 1979 - May 1979; March 1980
2B-2	Summer Wind Rose (43-Foot Level) June 1979 - August 1979
2B-3	Autumn Wind Rose (43-Foot Level) September 1979 - November 1979
2B-4	Winter Wind Rose (43-Foot Level) December 1979 - February 1980
2B-5	Annual Wind Rose (43-Foot Level) April 1979 - March 1980
2B-6	Spring Wind Rose (209-Foot Level) April 1979 - May 1979; March 1980
2B-7	Summer Wind Rose (209-Foot Level) June 1979 - August 1979
2B-8	Autumn Wind Rose (209-Foot Level) September 1979 - November 1979
2B-9	Winter Wind Rose (209-Foot Level) December 1979 - February 1980
2B-10	Annual Wind Rose (209-Foot Level) April 1979 - March 1980

TABLE 2B-1
(Sheet 1 of 8)

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED, WIND DIRECTION,
AND PASQUILL STABILITY CLASS (43-FOOT LEVEL)

STABILITY CLASS A									CLASS FREQUENCY (PERCENT) = 6.52									
WIND DIRECTION FROM																		
SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
C-3	0	1	0	1	4	1	0	0	2	1	1	3	3	2	1	0	0	20
(1)	0.00	.18	0.00	.18	.71	.18	0.00	0.00	.36	.18	.18	.54	.54	.36	.18	0.00	0.00	3.57
(2)	0.00	.01	0.00	.01	.05	.01	0.00	0.00	.02	.01	.01	.03	.03	.02	.01	0.00	0.00	.23
4-7	3	6	4	17	15	15	26	3	2	3	4	6	8	12	10	7	0	141
(1)	.54	1.07	.71	3.04	2.68	2.68	4.64	.54	.36	.54	.71	1.07	1.43	2.14	1.79	1.25	0.00	25.18
(2)	.03	.07	.05	.20	.17	.17	.30	.03	.02	.03	.05	.07	.09	.14	.12	.08	0.00	1.64
8-12	7	11	17	18	18	14	61	14	2	14	20	18	22	28	23	6	0	293
(1)	1.25	1.96	3.04	3.21	3.21	2.50	10.89	2.50	.36	2.50	3.57	3.21	3.93	5.00	4.11	1.07	0.00	52.32
(2)	.08	.13	.20	.21	.21	.16	.71	.16	.02	.16	.23	.21	.26	.33	.27	.07	0.00	3.41
13-18	0	0	15	1	0	3	2	0	1	8	4	5	8	31	10	1	0	89
(1)	0.00	0.00	2.68	.18	0.00	.54	.36	0.00	.18	1.43	.71	.89	1.43	5.54	1.79	.18	0.00	15.89
(2)	0.00	0.00	.17	.01	0.00	.03	.02	0.00	.01	.09	.05	.06	.09	.36	.12	.01	0.00	1.04
19-24	0	0	0	0	1	0	0	0	0	0	0	0	1	10	3	0	0	15
(1)	0.00	0.00	0.00	0.00	.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.18	1.79	.54	0.00	0.00	2.68
(2)	0.00	0.00	0.00	0.00	.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	.12	.03	0.00	0.00	.17
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
(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	.18	.18	0.00	0.00	0.00	.36
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	.01	0.00	0.00	0.00	.02
ALL SPEEDS	10	18	36	37	38	33	89	17	7	26	29	32	43	84	47	14	0	560
(1)	1.79	3.21	6.43	6.61	6.79	5.89	15.89	3.04	1.25	4.64	5.18	5.71	7.68	15.00	8.39	2.50	0.00	100.00
(2)	.12	.21	.42	.43	.44	.38	1.04	.20	.08	.30	.34	.37	.50	.98	.55	.16	0.00	6.52

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-1
(Sheet 2 of 8)

STABILITY CLASS B

CLASS FREQUENCY (PERCENT) = 9.06

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
C=3	1	2	2	3	2	0	1	1	0	3	1	0	3	2	2	1	0	24
(1)	.13	.26	.26	.39	.26	0.00	.13	.13	0.00	.39	.13	0.00	.39	.26	.26	.13	0.00	3.08
(2)	.01	.02	.02	.03	.02	0.00	.01	.01	0.00	.03	.01	0.00	.03	.02	.02	.01	0.00	.28
4-7	12	8	4	19	20	25	32	8	0	5	13	9	18	18	27	9	0	227
(1)	1.54	1.03	.51	2.44	2.57	3.21	4.11	1.03	0.00	.64	1.67	1.16	2.31	2.31	3.47	1.16	0.00	29.18
(2)	.14	.09	.05	.22	.23	.29	.37	.09	0.00	.06	.15	.10	.21	.21	.31	.10	0.00	2.64
8-12	17	7	19	18	33	28	20	15	6	18	25	30	29	60	33	8	0	366
(1)	2.19	.90	2.44	2.31	4.24	3.60	2.57	1.93	.77	2.31	3.21	3.86	3.73	7.71	4.24	1.03	0.00	47.04
(2)	.20	.08	.22	.21	.38	.33	.23	.17	.07	.21	.29	.35	.34	.70	.38	.09	0.00	4.26
13-18	0	0	13	5	1	2	0	0	2	4	8	3	20	57	22	0	0	137
(1)	0.00	0.00	1.67	.64	.13	.26	0.00	0.00	.26	.51	1.03	.39	2.57	7.33	2.83	0.00	0.00	17.61
(2)	0.00	0.00	.15	.06	.01	.02	0.00	0.00	.02	.05	.09	.03	.23	.66	.26	0.00	0.00	1.60
19-24	0	0	1	0	0	0	0	0	0	0	0	0	3	17	2	0	0	23
(1)	0.00	0.00	.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.39	2.19	.26	0.00	0.00	2.96
(2)	0.00	0.00	.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.03	.20	.02	0.00	0.00	.27
GT 24	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	0.00	0.00	.13	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	.13
(2)	0.00	0.00	.01	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	.01
ALL SPEEDS	30	17	40	45	56	55	53	24	8	30	47	42	73	154	86	18	0	778
(1)	3.86	2.19	5.14	5.78	7.20	7.07	6.81	3.08	1.03	3.86	6.04	5.40	9.38	19.79	11.05	2.31	0.00	100.00
(2)	.35	.20	.47	.52	.65	.64	.62	.28	.09	.35	.55	.49	.85	1.79	1.00	.21	0.00	9.06

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-1
(Sheet 3 of 8)

STABILITY CLASS C

CLASS FREQUENCY (PERCENT) = 5.53

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
C-3	2	1	0	2	2	1	0	0	1	1	1	0	0	5	2	4	0	22
(1)	.42	.21	0.00	.42	.42	.21	0.00	0.00	.21	.21	.21	0.00	0.00	1.05	.42	.84	0.00	4.63
(2)	.02	.01	0.00	.02	.02	.01	0.00	0.00	.01	.01	.01	0.00	0.00	.06	.02	.05	0.00	.26
4-7	10	2	6	5	21	20	15	9	8	10	5	1	10	16	12	5	0	155
(1)	2.11	.42	1.26	1.05	4.42	4.21	3.16	1.89	1.68	2.11	1.05	.21	2.11	3.37	2.53	1.05	0.00	32.63
(2)	.12	.02	.07	.06	.24	.23	.17	.10	.09	.12	.06	.01	.12	.19	.14	.06	0.00	1.81
8-12	4	4	15	8	18	19	11	5	7	12	20	13	19	30	18	7	0	210
(1)	.84	.84	3.16	1.68	3.79	4.00	2.32	1.05	1.47	2.53	4.21	2.74	4.00	6.32	3.79	1.47	0.00	44.21
(2)	.05	.05	.17	.09	.21	.22	.13	.06	.08	.14	.23	.15	.22	.35	.21	.08	0.00	2.45
13-18	0	0	9	0	1	0	0	1	1	5	5	3	8	24	12	0	0	69
(1)	0.00	0.00	1.89	0.00	.21	0.00	0.00	.21	.21	1.05	1.05	.63	1.68	5.05	2.53	0.00	0.00	14.53
(2)	0.00	0.00	.10	0.00	.01	0.00	0.00	.01	.01	.06	.06	.03	.09	.28	.14	0.00	0.00	.80
19-24	0	0	0	0	0	0	0	1	1	0	0	1	2	10	3	0	0	18
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.21	.21	0.00	0.00	.21	.42	2.11	.63	0.00	0.00	3.79
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	.01	0.00	0.00	.01	.02	.12	.03	0.00	0.00	.21
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(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	.21	0.00	0.00	0.00	0.00	.21
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00	0.00	0.00	.01
ALL SPEEDS	16	7	30	15	42	40	26	16	18	28	31	18	40	85	47	16	0	475
(1)	3.37	1.47	6.32	3.16	8.84	8.42	5.47	3.37	3.79	5.89	6.53	3.79	8.42	17.89	9.89	3.37	0.00	100.00
(2)	.19	.08	.35	.17	.49	.47	.30	.19	.21	.33	.36	.21	.47	.99	.55	.19	0.00	5.53

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .50 MPH)

TABLE 2B-1
(Sheet 4 of 8)

STABILITY CLASS D

CLASS FREQUENCY (PERCENT) = 41.54

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
C=3	27	22	17	33	23	25	13	27	24	13	11	14	26	36	30	33	0	374
(1)	.76	.62	.48	.93	.64	.70	.36	.76	.67	.36	.31	.39	.73	1.01	.84	.93	0.00	10.49
(2)	.31	.26	.20	.38	.27	.29	.15	.31	.28	.15	.13	.16	.30	.42	.35	.38	0.00	4.36
4=7	92	69	77	66	90	78	102	71	87	100	87	103	82	127	124	88	0	1443
(1)	2.58	1.93	2.16	1.85	2.52	2.19	2.86	1.99	2.44	2.80	2.44	2.89	2.30	3.56	3.48	2.47	0.00	40.47
(2)	1.07	.80	.90	.77	1.05	.91	1.19	.83	1.01	1.16	1.01	1.20	.96	1.48	1.44	1.03	0.00	16.81
8=12	67	33	71	34	54	65	34	45	65	101	144	75	92	232	119	41	0	1272
(1)	1.88	.93	1.99	.95	1.51	1.82	.95	1.26	1.82	2.83	4.04	2.10	2.58	6.51	3.34	1.15	0.00	35.67
(2)	.78	.38	.83	.40	.63	.76	.40	.52	.76	1.18	1.68	.87	1.07	2.70	1.39	.48	0.00	14.82
13=18	13	4	20	7	7	3	0	11	14	13	21	22	53	127	66	1	0	382
(1)	.36	.11	.56	.20	.20	.08	0.00	.31	.39	.36	.59	.62	1.49	3.56	1.85	.03	0.00	10.71
(2)	.15	.05	.23	.08	.08	.03	0.00	.13	.16	.15	.24	.26	.62	1.48	.77	.01	0.00	4.45
19=24	0	0	8	4	7	0	0	1	0	1	2	0	15	31	18	0	0	87
(1)	0.00	0.00	.22	.11	.20	0.00	0.00	.03	0.00	.03	.06	0.00	.42	.87	.50	0.00	0.00	2.44
(2)	0.00	0.00	.09	.05	.08	0.00	0.00	.01	0.00	.01	.02	0.00	.17	.36	.21	0.00	0.00	1.01
GT 24	0	0	2	5	0	0	0	0	0	0	0	0	0	0	1	0	0	8
(1)	0.00	0.00	.06	.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.03	0.00	0.00	.22
(2)	0.00	0.00	.02	.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00	.09
ALL SPEEDS	199	128	195	149	181	171	149	155	190	228	265	214	268	553	358	163	0	3566
(1)	5.58	3.59	5.47	4.18	5.08	4.80	4.18	4.35	5.33	6.39	7.43	6.00	7.52	15.51	10.04	4.57	0.00	100.00
(2)	2.32	1.49	2.27	1.74	2.11	1.99	1.74	1.81	2.21	2.66	3.09	2.49	3.12	6.44	4.17	1.90	0.00	41.54

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-1
(Sheet 5 of 8)

STABILITY CLASS E										CLASS FREQUENCY (PERCENT) = 24.25									
WIND DIRECTION FROM																			
SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
(1)	0.00	.05	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	.05	
(2)	0.00	.01	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	.01	
C=3	16	12	9	13	23	11	15	23	43	35	22	44	52	33	22	22	0	395	
(1)	.77	.58	.43	.62	1.10	.53	.72	1.10	2.07	1.68	1.06	2.11	2.50	1.59	1.06	1.06	0.00	18.97	
(2)	.19	.14	.10	.15	.27	.13	.17	.27	.50	.41	.26	.51	.61	.38	.26	.26	0.00	4.60	
4=7	20	10	10	24	23	18	40	37	65	102	104	165	167	219	120	46	0	1170	
(1)	.96	.48	.48	1.15	1.10	.86	1.92	1.78	3.12	4.90	5.00	7.93	8.02	10.52	5.76	2.21	0.00	56.20	
(2)	.23	.12	.12	.28	.27	.21	.47	.43	.76	1.19	1.21	1.92	1.95	2.55	1.40	.54	0.00	13.63	
8=12	10	6	1	2	4	8	5	14	13	24	86	94	66	87	21	5	0	446	
(1)	.48	.29	.05	.10	.19	.38	.24	.67	.62	1.15	4.13	4.51	3.17	4.18	1.01	.24	0.00	21.42	
(2)	.12	.07	.01	.02	.05	.09	.06	.16	.15	.28	1.00	1.10	.77	1.01	.24	.06	0.00	5.20	
13=18	2	0	1	3	0	0	0	0	8	5	8	4	8	18	7	0	0	64	
(1)	.10	0.00	.05	.14	0.00	0.00	0.00	0.00	.38	.24	.38	.19	.38	.86	.34	0.00	0.00	3.07	
(2)	.02	0.00	.01	.03	0.00	0.00	0.00	0.00	.09	.06	.09	.05	.09	.21	.08	0.00	0.00	.75	
19=24	0	0	0	0	1	0	0	0	1	0	0	0	0	4	0	0	0	6	
(1)	0.00	0.00	0.00	0.00	.05	0.00	0.00	0.00	.05	0.00	0.00	0.00	0.00	.19	0.00	0.00	0.00	.29	
(2)	0.00	0.00	0.00	0.00	.01	0.00	0.00	0.00	.01	0.00	0.00	0.00	0.00	.05	0.00	0.00	0.00	.07	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(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	0.00	0.00	
(2)	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	0.00	0.00	
ALL SPEEDS	48	29	21	42	51	37	60	74	130	166	220	307	293	361	170	73	0	2082	
(1)	2.31	1.39	1.01	2.02	2.45	1.78	2.88	3.55	6.24	7.97	10.57	14.75	14.07	17.34	8.17	3.51	0.00	100.00	
(2)	.56	.34	.24	.49	.59	.43	.70	.86	1.51	1.93	2.56	3.58	3.41	4.21	1.98	.85	0.00	24.25	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-1
(Sheet 6 of 8)

STABILITY CLASS F

CLASS FREQUENCY (PERCENT) = 6.94

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
C=3	13	6	12	16	3	10	10	8	14	21	28	25	46	41	26	16	0	295
(1)	2.18	1.01	2.01	2.68	.50	1.68	1.68	1.34	2.35	3.52	4.70	4.19	7.72	6.88	4.36	2.68	0.00	49.50
(2)	.15	.07	.14	.19	.03	.12	.12	.09	.16	.24	.33	.29	.54	.48	.30	.19	0.00	3.44
4-7	2	1	2	1	4	1	12	4	6	18	21	46	40	88	39	9	0	294
(1)	.34	.17	.34	.17	.67	.17	2.01	.67	1.01	3.02	3.52	7.72	6.71	14.77	6.54	1.51	0.00	49.33
(2)	.02	.01	.02	.01	.05	.01	.14	.05	.07	.21	.24	.54	.47	1.03	.45	.10	0.00	3.42
8-12	0	0	0	0	0	0	0	1	0	0	1	2	1	1	1	0	0	7
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.17	0.00	0.00	.17	.34	.17	.17	.17	0.00	0.00	1.17
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00	.01	.02	.01	.01	.01	0.00	0.00	.08
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
ALL SPEEDS	15	7	14	17	7	11	22	13	20	39	50	73	87	130	66	25	0	596
(1)	2.52	1.17	2.35	2.85	1.17	1.85	3.69	2.18	3.36	6.54	8.39	12.25	14.60	21.81	11.07	4.19	0.00	100.00
(2)	.17	.08	.16	.20	.08	.13	.26	.15	.23	.45	.58	.85	1.01	1.51	.77	.29	0.00	6.94

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-1
(Sheet 7 of 8)

STABILITY CLASS G

CLASS FREQUENCY (PERCENT) = 6.14

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.19
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01
C=3	8	11	8	12	13	2	8	6	9	3	24	59	57	91	49	19	0	379
(1)	1.52	2.09	1.52	2.28	2.47	.38	1.52	1.14	1.71	.57	4.55	11.20	10.82	17.27	9.30	3.61	0.00	71.92
(2)	.09	.13	.09	.14	.15	.02	.09	.07	.10	.03	.28	.69	.66	1.06	.57	.22	0.00	4.42
4-7	2	1	1	1	0	1	4	3	2	1	1	10	21	63	27	3	0	147
(1)	.38	.19	.19	.19	0.00	.19	.76	.57	.38	.19	.19	3.04	3.98	11.95	5.12	.57	0.00	27.89
(2)	.02	.01	.01	.01	0.00	.01	.05	.03	.02	.01	.01	.19	.24	.73	.31	.03	0.00	1.71
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
ALL SPEEDS	10	12	9	13	13	3	12	9	11	5	25	75	78	154	76	22	0	527
(1)	1.90	2.28	1.71	2.47	2.47	.57	2.28	1.71	2.09	.95	4.74	14.23	14.80	29.22	14.42	4.17	0.00	100.00
(2)	.12	.14	.10	.15	.15	.03	.14	.10	.13	.06	.29	.87	.91	1.79	.89	.26	0.00	6.14

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-1
(Sheet 8 of 8)

STABILITY CLASS ALL

CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
(1)	0.00	.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.02
(2)	0.00	.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.02
C=3	67	55	48	80	70	50	47	65	93	77	88	145	187	210	132	95	0	1509
(1)	.78	.64	.56	.93	.82	.58	.55	.76	1.08	.90	1.03	1.69	2.18	2.45	1.54	1.11	0.00	17.58
(2)	.78	.64	.56	.93	.82	.58	.55	.76	1.08	.90	1.03	1.69	2.18	2.45	1.54	1.11	0.00	17.58
4=7	141	97	104	133	173	158	231	135	170	239	235	346	346	543	359	167	0	3577
(1)	1.64	1.13	1.21	1.55	2.02	1.84	2.69	1.57	1.98	2.78	2.74	4.03	4.03	6.33	4.18	1.95	0.00	41.67
(2)	1.64	1.13	1.21	1.55	2.02	1.84	2.69	1.57	1.98	2.78	2.74	4.03	4.03	6.33	4.18	1.95	0.00	41.67
8=12	105	61	123	80	127	134	131	94	93	169	296	232	229	438	215	67	0	2594
(1)	1.22	.71	1.43	.93	1.48	1.56	1.53	1.10	1.08	1.97	3.45	2.70	2.67	5.10	2.50	.78	0.00	30.22
(2)	1.22	.71	1.43	.93	1.48	1.56	1.53	1.10	1.08	1.97	3.45	2.70	2.67	5.10	2.50	.78	0.00	30.22
13=18	15	4	58	16	9	8	2	12	26	35	46	37	97	257	117	2	0	741
(1)	.17	.05	.68	.19	.10	.09	.02	.14	.30	.41	.54	.43	1.13	2.99	1.36	.02	0.00	8.63
(2)	.17	.05	.68	.19	.10	.09	.02	.14	.30	.41	.54	.43	1.13	2.99	1.36	.02	0.00	8.63
19=24	0	0	9	4	9	0	0	2	2	1	2	1	21	72	26	0	0	149
(1)	0.00	0.00	.10	.05	.10	0.00	0.00	.02	.02	.01	.02	.01	.24	.84	.30	0.00	0.00	1.74
(2)	0.00	0.00	.10	.05	.10	0.00	0.00	.02	.02	.01	.02	.01	.24	.84	.30	0.00	0.00	1.74
GT 24	0	0	3	5	0	0	0	0	0	0	0	0	2	1	1	0	0	12
(1)	0.00	0.00	.03	.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.02	.01	.01	0.00	0.00	.14
(2)	0.00	0.00	.03	.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.02	.01	.01	0.00	0.00	.14
ALL SPEEDS	328	218	345	318	388	350	411	308	384	522	667	761	882	1521	850	331	0	8584
(1)	3.82	2.54	4.02	3.70	4.52	4.08	4.79	3.59	4.47	6.08	7.77	8.87	10.27	17.72	9.90	3.86	0.00	100.00
(2)	3.82	2.54	4.02	3.70	4.52	4.08	4.79	3.59	4.47	6.08	7.77	8.87	10.27	17.72	9.90	3.86	0.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-2
(Sheet 1 of 8)

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED, WIND DIRECTION,
AND PASQUILL STABILITY CLASS (209-FOOT LEVEL)

STABILITY CLASS A										CLASS FREQUENCY (PERCENT) ■ 2.22									
WIND DIRECTION FROM																			
SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(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	0.00	0.00	
(2)	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	0.00	0.00	
C=3	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	2	
(1)	0.00	0.00	0.00	0.00	0.00	.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.52	0.00	0.00	0.00	1.04	
(2)	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00	0.00	.02	
4=7	0	1	0	3	3	1	6	1	0	1	0	0	1	0	0	0	0	17	
(1)	0.00	.52	0.00	1.56	1.56	.52	3.13	.52	0.00	.52	0.00	0.00	.52	0.00	0.00	0.00	0.00	8.85	
(2)	0.00	.01	0.00	.03	.03	.01	.07	.01	0.00	.01	0.00	0.00	.01	0.00	0.00	0.00	0.00	.20	
8=12	3	3	1	4	6	5	14	2	0	3	1	2	5	3	7	2	0	61	
(1)	1.56	1.56	.52	2.08	3.13	2.60	7.29	1.04	0.00	1.56	.52	1.04	2.60	1.56	3.65	1.04	0.00	31.77	
(2)	.03	.03	.01	.05	.07	.06	.16	.02	0.00	.03	.01	.02	.06	.03	.08	.02	0.00	.71	
13=18	1	2	1	0	2	0	25	13	1	2	3	2	7	17	8	0	0	84	
(1)	.52	1.04	.52	0.00	1.04	0.00	13.02	6.77	.52	1.04	1.56	1.04	3.65	8.85	4.17	0.00	0.00	43.75	
(2)	.01	.02	.01	0.00	.02	0.00	.29	.15	.01	.02	.03	.02	.08	.20	.09	0.00	0.00	.97	
19=24	0	0	0	0	0	0	0	2	0	0	1	0	1	9	2	0	0	15	
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00	.52	0.00	.52	4.69	1.04	0.00	0.00	7.81	
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.02	0.00	0.00	.01	0.00	.01	.10	.02	0.00	0.00	.17	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	1	12	0	0	0	13	
(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	.52	6.25	0.00	0.00	0.00	6.77	
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	.14	0.00	0.00	0.00	.15	
ALL SPEEDS	4	6	2	7	11	7	45	18	1	6	5	4	15	42	17	2	0	192	
(1)	2.08	3.13	1.04	3.65	5.73	3.65	23.44	9.37	.52	3.13	2.60	2.08	7.81	21.88	8.85	1.04	0.00	100.00	
(2)	.05	.07	.02	.08	.13	.08	.52	.21	.01	.07	.06	.05	.17	.49	.20	.02	0.00	2.22	

(1) = PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2) = PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C = CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-2
(Sheet 2 of 8)

STABILITY CLASS B

CLASS FREQUENCY (PERCENT) = 3.37

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
C-3	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	3
(1)	0.00	0.00	0.00	0.00	0.00	0.00	.34	0.00	.34	0.00	0.00	.34	0.00	0.00	0.00	0.00	0.00	1.03
(2)	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	.01	0.00	0.00	.01	0.00	0.00	0.00	0.00	0.00	.03
4-7	0	0	1	5	1	2	6	0	0	1	1	1	5	3	3	2	0	31
(1)	0.00	0.00	.34	1.72	.34	.69	2.06	0.00	0.00	.34	.34	.34	1.72	1.03	1.03	.69	0.00	10.65
(2)	0.00	0.00	.01	.06	.01	.02	.07	0.00	0.00	.01	.01	.01	.06	.03	.03	.02	0.00	.36
8-12	1	1	1	12	9	13	25	10	1	2	10	10	8	8	7	5	0	123
(1)	.34	.34	.34	4.12	3.09	4.47	8.59	3.44	.34	.69	3.44	3.44	2.75	2.75	2.41	1.72	0.00	42.27
(2)	.01	.01	.01	.14	.10	.15	.29	.12	.01	.02	.12	.12	.09	.09	.08	.06	0.00	1.43
13-18	1	4	4	2	0	1	6	12	2	7	10	10	13	19	15	2	0	108
(1)	.34	1.37	1.37	.69	0.00	.34	2.06	4.12	.69	2.41	3.44	3.44	4.47	6.53	5.15	.69	0.00	37.11
(2)	.01	.05	.05	.02	0.00	.01	.07	.14	.02	.08	.12	.12	.15	.22	.17	.02	0.00	1.25
19-24	0	0	0	0	0	0	2	0	0	0	2	3	2	10	2	0	0	21
(1)	0.00	0.00	0.00	0.00	0.00	0.00	.69	0.00	0.00	0.00	.69	1.03	.69	3.44	.69	0.00	0.00	7.22
(2)	0.00	0.00	0.00	0.00	0.00	0.00	.02	0.00	0.00	0.00	.02	.03	.02	.12	.02	0.00	0.00	.24
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	5
(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	1.03	.69	0.00	0.00	1.72
(2)	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	.03	.02	0.00	0.00	.06
ALL SPEEDS	2	5	6	19	10	16	40	22	4	10	23	25	28	43	29	9	0	291
(1)	.69	1.72	2.06	6.53	3.44	5.50	13.75	7.56	1.37	3.44	7.90	8.59	9.62	14.78	9.97	3.09	0.00	100.00
(2)	.02	.06	.07	.22	.12	.19	.46	.25	.05	.12	.27	.29	.32	.50	.34	.10	0.00	3.37

(1) PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2) PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C = CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-2
(Sheet 3 of 8)

STABILITY CLASS C										CLASS FREQUENCY (PERCENT) = 7.08										
WIND DIRECTION FROM																				
SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL		
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
(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	0.00	0.00		
(2)	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	0.00	0.00		
C-3	0	0	5	4	1	0	0	0	1	0	0	3	0	0	0	0	0	14		
(1)	0.00	0.00	.82	.65	.16	0.00	0.00	0.00	.16	0.00	0.00	.49	0.00	0.00	0.00	0.00	0.00	2.29		
(2)	0.00	0.00	.06	.05	.01	0.00	0.00	0.00	.01	0.00	0.00	.03	0.00	0.00	0.00	0.00	0.00	.16		
4-7	3	2	2	5	6	20	10	5	4	1	5	1	10	7	18	8	0	107		
(1)	.49	.33	.33	.82	.98	3.27	1.64	.82	.65	.16	.82	.16	1.64	1.15	2.95	1.31	0.00	17.51		
(2)	.03	.02	.02	.06	.07	.23	.12	.06	.05	.01	.06	.01	.12	.08	.21	.09	0.00	1.24		
8-12	10	4	3	8	16	26	28	15	3	13	14	15	18	19	23	8	0	223		
(1)	1.64	.65	.49	1.31	2.62	4.26	4.58	2.45	.49	2.13	2.29	2.45	2.95	3.11	3.76	1.31	0.00	36.50		
(2)	.12	.05	.03	.09	.19	.30	.32	.17	.03	.15	.16	.17	.21	.22	.27	.09	0.00	2.58		
13-18	4	1	6	5	3	1	2	13	1	5	19	14	29	48	33	0	0	184		
(1)	.65	.16	.98	.82	.49	.16	.33	2.13	.16	.82	3.11	2.29	4.75	7.86	5.40	0.00	0.00	30.11		
(2)	.05	.01	.07	.06	.03	.01	.02	.15	.01	.06	.22	.16	.34	.56	.38	0.00	0.00	2.13		
19-24	0	1	4	0	0	0	0	0	1	1	1	3	5	30	12	0	0	58		
(1)	0.00	.16	.65	0.00	0.00	0.00	0.00	0.00	.16	.16	.16	.49	.82	4.91	1.96	0.00	0.00	9.49		
(2)	0.00	.01	.05	0.00	0.00	0.00	0.00	0.00	.01	.01	.01	.03	.06	.35	.14	0.00	0.00	.67		
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	5	17	3	0	0	25		
(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	.82	2.78	.49	0.00	0.00	4.09		
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.06	.20	.03	0.00	0.00	.29		
ALL SPEEDS	17	8	20	22	26	47	40	33	10	20	39	36	67	121	89	16	0	611		
(1)	2.78	1.31	3.27	3.60	4.26	7.69	6.55	5.40	1.64	3.27	6.38	5.89	10.97	19.80	14.57	2.62	0.00	100.00		
(2)	.20	.09	.23	.25	.30	.54	.46	.38	.12	.23	.45	.42	.78	1.40	1.03	.19	0.00	7.08		

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .56 MPH)

TABLE 2B-2
(Sheet 4 of 8)

STABILITY CLASS D

CLASS FREQUENCY (PERCENT) = 43.31

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
C-3	5	8	7	10	13	10	5	4	10	14	6	5	6	5	7	10	0	125
(1)	.13	.21	.19	.27	.35	.27	.13	.11	.27	.37	.16	.13	.16	.13	.19	.27	0.00	3.34
(2)	.06	.09	.08	.12	.15	.12	.06	.05	.12	.16	.07	.06	.07	.06	.08	.12	0.00	1.45
4-7	53	56	35	47	47	48	54	40	26	22	35	26	37	47	48	49	0	670
(1)	1.42	1.50	.94	1.26	1.26	1.28	1.44	1.07	.70	.59	.94	.70	.99	1.26	1.28	1.31	0.00	17.92
(2)	.61	.65	.41	.54	.54	.56	.63	.46	.30	.25	.41	.30	.43	.54	.56	.57	0.00	7.76
8-12	101	82	68	53	46	83	59	73	86	107	139	78	78	121	128	70	0	1372
(1)	2.70	2.19	1.82	1.42	1.23	2.22	1.58	1.95	2.30	2.86	3.72	2.09	2.09	3.24	3.42	1.87	0.00	36.70
(2)	1.17	.95	.79	.61	.53	.96	.68	.85	1.00	1.24	1.61	.90	.90	1.40	1.48	.81	0.00	15.90
13-18	52	46	66	14	15	16	10	37	33	76	120	75	99	251	121	18	0	1049
(1)	1.39	1.23	1.77	.37	.40	.43	.27	.99	.88	2.03	3.21	2.01	2.65	6.71	3.24	.48	0.00	28.06
(2)	.60	.53	.76	.16	.17	.19	.12	.43	.38	.88	1.39	.87	1.15	2.91	1.40	.21	0.00	12.15
19-24	23	19	24	5	9	4	5	13	11	10	15	18	54	113	56	0	0	379
(1)	.62	.51	.64	.13	.24	.11	.13	.35	.29	.27	.40	.48	1.44	3.02	1.50	0.00	0.00	10.14
(2)	.27	.22	.28	.06	.10	.05	.06	.15	.13	.12	.17	.21	.63	1.31	.65	0.00	0.00	4.39
GT 24	0	3	9	7	6	0	1	5	3	3	5	3	27	44	27	0	0	143
(1)	0.00	.08	.24	.19	.16	0.00	.03	.13	.08	.08	.13	.08	.72	1.18	.72	0.00	0.00	3.83
(2)	0.00	.03	.10	.08	.07	0.00	.01	.06	.03	.03	.06	.03	.31	.51	.31	0.00	0.00	1.66
ALL SPEEDS	234	214	209	136	136	161	134	172	169	232	320	205	301	581	387	147	0	3738
(1)	6.26	5.72	5.59	3.64	3.64	4.31	3.58	4.60	4.52	6.21	8.56	5.48	8.05	15.54	10.35	3.93	0.00	100.00
(2)	2.71	2.48	2.42	1.58	1.58	1.87	1.55	1.99	1.96	2.69	3.71	2.38	3.49	6.73	4.48	1.70	0.00	43.31

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE

(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-2
(Sheet 5 of 8)

STABILITY CLASS E

CLASS FREQUENCY (PERCENT) = 30.38

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	3
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.04	.04	0.00	0.00	0.00	0.00	0.00	0.00	.04	0.00	.11
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	.01	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	.03
C=3	5	6	9	9	9	10	12	6	8	5	7	6	4	6	9	6	0	117
(1)	.19	.23	.34	.34	.34	.38	.46	.23	.31	.19	.27	.23	.15	.23	.34	.23	0.00	4.46
(2)	.06	.07	.10	.10	.10	.12	.14	.07	.09	.06	.08	.07	.05	.07	.10	.07	0.00	1.36
4=7	25	24	22	26	30	33	29	29	33	42	32	16	22	31	31	15	0	440
(1)	.95	.92	.84	.99	1.14	1.26	1.11	1.11	1.26	1.60	1.22	.61	.84	1.18	1.18	.57	0.00	16.78
(2)	.29	.28	.25	.30	.35	.38	.34	.34	.38	.49	.37	.19	.25	.36	.36	.17	0.00	5.10
8=12	40	41	32	18	24	16	31	64	83	115	137	114	104	145	141	57	0	1162
(1)	1.53	1.56	1.22	.69	.92	.61	1.18	2.44	3.17	4.39	5.23	4.35	3.97	5.53	5.38	2.17	0.00	44.32
(2)	.46	.48	.37	.21	.28	.19	.36	.74	.96	1.33	1.59	1.32	1.20	1.68	1.63	.66	0.00	13.46
13=18	26	23	8	3	2	8	17	32	40	37	112	141	116	140	76	13	0	794
(1)	.99	.88	.31	.11	.08	.31	.65	1.22	1.53	1.41	4.27	5.38	4.42	5.34	2.90	.50	0.00	30.28
(2)	.30	.27	.09	.03	.02	.09	.20	.37	.46	.43	1.30	1.63	1.34	1.62	.88	.15	0.00	9.20
19=24	2	2	2	3	0	0	5	19	6	6	6	8	8	19	7	0	0	93
(1)	.08	.08	.08	.11	0.00	0.00	.19	.72	.23	.23	.23	.31	.31	.72	.27	0.00	0.00	3.55
(2)	.02	.02	.02	.03	0.00	0.00	.06	.22	.07	.07	.07	.09	.09	.22	.08	0.00	0.00	1.08
GT 24	0	0	2	1	0	0	0	1	0	0	0	0	3	4	2	0	0	13
(1)	0.00	0.00	.08	.04	0.00	0.00	0.00	.04	0.00	0.00	0.00	0.00	.11	.15	.08	0.00	0.00	.50
(2)	0.00	0.00	.02	.01	0.00	0.00	0.00	.01	0.00	0.00	0.00	0.00	.03	.05	.02	0.00	0.00	.15
ALL SPEEDS	98	96	75	60	65	67	94	152	171	205	294	285	257	345	266	92	0	2622
(1)	3.74	3.66	2.86	2.29	2.48	2.56	3.59	5.80	6.52	7.82	11.21	10.87	9.80	13.16	10.14	3.51	0.00	100.00
(2)	1.14	1.11	.87	.70	.75	.78	1.09	1.76	1.98	2.38	3.41	3.30	2.98	4.00	3.08	1.07	0.00	30.38

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-2
(Sheet 6 of 8)

STABILITY CLASS F										CLASS FREQUENCY (PERCENT) = 7.76									
WIND DIRECTION FROM																			
SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL	
CALM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.15	0.00	0.00	0.00	0.00	0.00	.15	
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	0.00	0.00	0.00	0.00	0.00	.01	
C=3	5	2	6	6	5	3	6	4	3	2	8	4	2	2	1	0	0	59	
(1)	.75	.30	.90	.90	.75	.45	.90	.60	.45	.30	1.19	.60	.30	.30	.15	0.00	0.00	8.81	
(2)	.06	.02	.07	.07	.06	.03	.07	.05	.03	.02	.09	.05	.02	.02	.01	0.00	0.00	.68	
4=7	11	11	8	8	3	5	5	13	26	17	14	11	8	13	10	11	0	174	
(1)	1.64	1.64	1.19	1.19	.45	.75	.75	1.94	3.88	2.54	2.09	1.64	1.19	1.94	1.49	1.64	0.00	25.97	
(2)	.13	.13	.09	.09	.03	.06	.06	.15	.30	.20	.16	.13	.09	.15	.12	.13	0.00	2.02	
8=12	13	5	6	4	0	0	1	10	32	33	27	23	30	42	37	21	0	284	
(1)	1.94	.75	.90	.60	0.00	0.00	.15	1.49	4.78	4.93	4.03	3.43	4.48	6.27	5.52	3.13	0.00	42.39	
(2)	.15	.06	.07	.05	0.00	0.00	.01	.12	.37	.38	.31	.27	.35	.49	.43	.24	0.00	3.29	
13=18	3	3	0	0	0	0	0	2	8	12	15	22	18	23	39	7	0	152	
(1)	.45	.45	0.00	0.00	0.00	0.00	0.00	.30	1.19	1.79	2.24	3.28	2.69	3.43	5.82	1.04	0.00	22.69	
(2)	.03	.03	0.00	0.00	0.00	0.00	0.00	.02	.09	.14	.17	.25	.21	.27	.45	.08	0.00	1.76	
19=24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(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	0.00	0.00	
(2)	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	0.00	0.00	
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(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	0.00	0.00	
(2)	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	0.00	0.00	
ALL SPEEDS	32	21	20	18	8	8	12	29	69	64	64	61	58	80	87	39	0	670	
(1)	4.78	3.13	2.99	2.69	1.19	1.19	1.79	4.33	10.30	9.55	9.55	9.10	8.66	11.94	12.99	5.82	0.00	100.00	
(2)	.37	.24	.23	.21	.09	.09	.14	.34	.80	.74	.74	.71	.67	.93	1.01	.45	0.00	7.76	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-2
(Sheet 7 of 8)

STABILITY CLASS G

CLASS FREQUENCY (PERCENT) = 5.87

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(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	.20	0.00	.20
(2)	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	.01	0.00	.01
C-3	3	7	4	3	2	2	4	2	3	3	5	7	3	4	4	6	0	62
(1)	.59	1.38	.79	.59	.39	.39	.79	.39	.59	.59	.99	1.38	.59	.79	.79	1.18	0.00	12.23
(2)	.03	.08	.05	.03	.02	.02	.05	.02	.03	.03	.06	.08	.03	.05	.05	.07	0.00	.72
4-7	12	7	10	7	5	0	1	8	14	19	13	21	12	12	11	7	0	159
(1)	2.37	1.38	1.97	1.38	.99	0.00	.20	1.58	2.76	3.75	2.56	4.14	2.37	2.37	2.17	1.38	0.00	31.36
(2)	.14	.08	.12	.08	.06	0.00	.01	.09	.16	.22	.15	.24	.14	.14	.13	.08	0.00	1.84
8-12	18	6	9	0	1	0	1	3	17	18	28	14	19	30	29	17	0	210
(1)	3.55	1.18	1.78	0.00	.20	0.00	.20	.59	3.35	3.55	5.52	2.76	3.75	5.92	5.72	3.35	0.00	41.42
(2)	.21	.07	.10	0.00	.01	0.00	.01	.03	.20	.21	.32	.16	.22	.35	.34	.20	0.00	2.43
13-18	2	3	0	0	0	0	0	2	2	2	9	5	4	21	18	7	0	75
(1)	.39	.59	0.00	0.00	0.00	0.00	0.00	.39	.39	.39	1.78	.99	.79	4.14	3.55	1.38	0.00	14.79
(2)	.02	.03	0.00	0.00	0.00	0.00	0.00	.02	.02	.02	.10	.06	.05	.24	.21	.08	0.00	.87
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0.00	0.00
(2)	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	0.00	0.00
ALL SPEEDS	35	23	23	10	8	2	6	15	36	42	55	47	38	67	62	38	0	507
(1)	6.90	4.54	4.54	1.97	1.58	.39	1.18	2.96	7.10	8.28	10.85	9.27	7.50	13.21	12.23	7.50	0.00	100.00
(2)	.41	.27	.27	.12	.09	.02	.07	.17	.42	.49	.64	.54	.44	.78	.72	.44	0.00	5.87

(1) PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2) PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C = CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-2
(Sheet 8 of 8)

STABILITY CLASS ALL										CLASS FREQUENCY (PERCENT) = 100.00								
WIND DIRECTION FROM																		
SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	2	0	5
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	.01	0.00	0.00	.01	0.00	0.00	0.00	.02	0.00	.06
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.01	.01	0.00	0.00	.01	0.00	0.00	0.00	.02	0.00	.06
C-3	18	23	31	32	30	26	28	16	26	24	26	26	15	18	21	22	0	382
(1)	.21	.27	.36	.37	.35	.30	.32	.19	.30	.28	.30	.30	.17	.21	.24	.25	0.00	4.43
(2)	.21	.27	.36	.37	.35	.30	.32	.19	.30	.28	.30	.30	.17	.21	.24	.25	0.00	4.43
4-7	104	101	78	101	95	109	111	96	103	103	100	76	95	113	121	92	0	1598
(1)	1.20	1.17	.90	1.17	1.10	1.26	1.29	1.11	1.19	1.19	1.16	.88	1.10	1.31	1.40	1.07	0.00	18.51
(2)	1.20	1.17	.90	1.17	1.10	1.26	1.29	1.11	1.19	1.19	1.16	.88	1.10	1.31	1.40	1.07	0.00	18.51
8-12	186	142	120	99	102	143	159	177	222	291	356	256	262	368	372	180	0	3435
(1)	2.16	1.65	1.39	1.15	1.18	1.66	1.84	2.05	2.57	3.37	4.12	2.97	3.04	4.26	4.31	2.09	0.00	39.80
(2)	2.16	1.65	1.39	1.15	1.18	1.66	1.84	2.05	2.57	3.37	4.12	2.97	3.04	4.26	4.31	2.09	0.00	39.80
13-18	89	82	85	24	22	26	60	111	87	141	288	269	286	519	310	47	0	2446
(1)	1.03	.95	.98	.28	.25	.30	.70	1.29	1.01	1.63	3.34	3.12	3.31	6.01	3.59	.54	0.00	28.34
(2)	1.03	.95	.98	.28	.25	.30	.70	1.29	1.01	1.63	3.34	3.12	3.31	6.01	3.59	.54	0.00	28.34
19-24	25	22	30	8	9	4	12	34	18	17	25	32	70	181	79	0	0	566
(1)	.29	.25	.35	.09	.10	.05	.14	.39	.21	.20	.29	.37	.81	2.10	.92	0.00	0.00	6.56
(2)	.29	.25	.35	.09	.10	.05	.14	.39	.21	.20	.29	.37	.81	2.10	.92	0.00	0.00	6.56
GT 24	0	3	11	8	6	0	1	6	3	3	5	3	36	80	34	0	0	199
(1)	0.00	.03	.13	.09	.07	0.00	.01	.07	.03	.03	.06	.03	.42	.93	.39	0.00	0.00	2.31
(2)	0.00	.03	.13	.09	.07	0.00	.01	.07	.03	.03	.06	.03	.42	.93	.39	0.00	0.00	2.31
ALL SPEEDS	422	373	355	272	264	308	371	441	460	579	800	663	764	1279	937	343	0	8631
(1)	4.89	4.32	4.11	3.15	3.06	3.57	4.30	5.11	5.33	6.71	9.27	7.68	8.85	14.82	10.86	3.97	0.00	100.00
(2)	4.89	4.32	4.11	3.15	3.06	3.57	4.30	5.11	5.33	6.71	9.27	7.68	8.85	14.82	10.86	3.97	0.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD

C= CALM (WIND SPEED LESS THAN OR EQUAL TO .58 MPH)

TABLE 2B-3

WIND DIRECTION PERSISTENCE SUMMARY (43-FOOT LEVEL)

43.0 FT WIND DATA

WIND DIRECTION PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION PERSISTENCE (HOURS)																											
DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL	
N	115 66	35 86	7 90	8 94	3 96	2 97	1 98	0 98	0 98	1 98	1 99	0 99	0 99	0 99	0 99	0 99	0 99	1 99	0 99	1 100	0 0	0 0	0 0	0 0	0 0	175	
NNE	118 75	22 89	10 96	6 99	1 100	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	0 0	0 0	0 0	157		
NE	89 61	17 73	10 80	9 86	4 89	5 92	2 94	3 96	2 97	1 98	1 99	0 99	1 99	0 99	0 99	0 99	0 99	0 99	1 100	0 0	0 0	0 0	0 0	0 0	145		
ENE	100 58	37 80	16 89	8 94	5 97	1 98	1 98	1 99	1 99	0 99	0 100	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	171		
E	114 57	37 76	22 87	9 91	8 95	4 97	4 99	1 100	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	199		
ESE	141 66	44 87	14 93	4 95	3 97	3 98	2 99	0 99	2 100	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	213		
SE	155 62	60 86	14 92	8 95	8 98	2 99	1 100	0 100	1 100	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	249		
SSE	157 73	39 92	10 96	2 97	2 98	2 99	2 100	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	0 0	214		
S	161 67	46 86	15 92	10 97	5 99	1 99	1 100	0 100	0 100	1 100	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	240		
SSW	174 61	55 81	22 89	15 94	5 96	6 98	1 98	3 99	0 99	0 99	1 100	0 100	1 100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	283		
SW	175 56	60 75	29 84	20 91	12 95	6 96	3 97	0 97	3 98	1 99	1 99	1 99	1 100	0 100	0 100	0 100	0 100	1 100	0 0	0 0	0 0	0 0	0 0	0 0	313		
WSW	215 58	75 78	33 87	18 91	12 95	4 96	4 97	2 97	4 98	4 99	0 99	0 99	2 100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	373		
W	308 63	88 81	41 89	21 93	14 96	8 98	5 99	2 99	2 100	0 100	0 100	0 100	0 100	1 100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	490		
WNW	322 52	127 72	57 81	35 87	24 91	13 93	11 95	8 96	9 97	4 98	3 98	2 99	0 99	3 99	1 99	2 100	1 100	0 100	0 100	0 100	0 100	1 100	0 0	0 0	623		
NW	274 59	100 80	45 90	22 94	12 97	6 98	3 99	2 99	2 100	0 100	1 100	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	467		
NNW	158 72	33 87	16 95	9 99	1 99	0 99	0 99	0 99	1 100	0 100	0 100	1 100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	219		
TOTAL	2776	875	361	204	119	63	41	22	27	12	8	5	5	4	1	2	1	2	1	1	0	1	0	0	4531		

TABLE 2B-4

WIND PERSISTENCE SUMMARY (209-FOOT LEVEL)

NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

DIRECTION PERSISTENCE (HOURS)

DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
N	133 64	25 76	24 87	11 92	5 95	0 95	5 97	1 98	2 99	0 99	0 99	1 99	0 99	0 99	1 99	1 100	0 100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	209
NNE	137 64	37 82	17 90	8 93	7 97	3 98	2 99	2 100	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	0 0	213
NE	95 57	28 74	15 83	10 89	7 93	7 97	1 98	1 98	3 100	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	167
ENE	84 58	31 80	10 87	11 94	6 99	0 99	0 99	0 99	0 99	0 99	1 99	0 99	0 99	0 99	0 99	1 100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	144
E	93 61	36 85	10 91	6 95	1 96	2 97	2 99	0 99	0 99	2 100	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	152
ESE	103 61	33 81	15 90	7 94	4 96	2 98	2 99	0 99	1 99	0 99	1 100	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	168
SE	93 49	50 75	25 88	12 95	5 97	1 98	3 99	1 100	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	0 0	190
SSE	116 53	49 76	28 89	9 93	8 96	1 97	2 98	2 99	2 100	0 100	0 100	0 100	1 100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	218
S	131 56	52 78	29 90	11 95	1 95	4 97	2 98	1 98	0 98	2 99	1 100	1 100	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	235
SSW	170 56	66 78	30 88	14 92	11 96	8 99	2 99	2 100	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	0 0	303
SW	154 48	64 69	41 81	18 87	13 91	8 94	5 95	2 96	4 97	2 98	4 99	1 99	0 99	0 99	0 99	0 99	0 99	0 99	1 100	0 100	0 100	0 100	0 100	0 100	0 100	318
WSW	166 55	49 71	36 83	20 90	13 94	3 95	1 96	6 98	3 99	1 99	1 99	0 99	0 99	2 100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	301
W	174 50	70 71	42 83	24 91	11 94	10 97	5 98	3 99	1 99	0 99	0 99	0 99	0 99	1 100	0 100	0 100	1 100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	346
WNW	207 46	104 69	33 77	30 83	12 86	14 89	12 92	7 93	10 96	4 96	4 97	1 98	2 98	1 98	2 99	4 100	0 100	0 100	1 100	0 100	0 100	0 100	0 100	0 100	1 100	449
NW	189 48	79 68	48 80	30 88	14 92	9 94	9 96	5 97	4 98	3 99	2 100	0 100	0 100	0 100	1 100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	393
NNW	118 58	48 82	22 93	7 97	3 98	4 100	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	0 0	0 0	0 0	202
TOTAL	2163	821	425	232	121	76	53	33	30	14	14	4	3	4	3	6	2	0	2	0	0	0	0	1	1	4008

* THIS OCCURANCE LASTED 29 HOURS

TABLE 2B-5

INVERSION PERSISTENCE SUMMARY
(43-150 FOOT DELTA-T)

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	143	32.72
2	66	47.83
3	30	54.69
4	23	59.95
5	23	65.22
6	20	69.79
7	18	73.91
8	14	77.12
9	22	82.15
10	15	85.58
11	22	90.62
12	9	92.68
13	14	95.88
14	3	96.57
15	8	98.40
16	4	99.31
17	3	100.00

THE LONGEST INVERSION LASTED 17 HOURS

OF THE LONGEST INVERSIONS

NUMBER 1 STARTED 16 HOURS INTO DAY 234

NUMBER 2 STARTED 16 HOURS INTO DAY 267

NUMBER 3 STARTED 16 HOURS INTO DAY 275

THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

TABLE 2B-6

INVERSION PERSISTENCE SUMMARY
(43-209 FOOT DELTA-T)

DURATION (HOURS)	NUMBER OF OBSERVATIONS	PERCENT PROBABILITY
1	163	33.20
2	61	45.62
3	40	53.77
4	29	59.67
5	30	65.78
6	17	69.25
7	25	74.34
8	10	76.37
9	22	80.86
10	19	84.73
11	27	90.22
12	13	92.87
13	15	95.93
14	9	97.76
15	4	98.57
16	5	99.59
17	2	100.00

THE LONGEST INVERSION LASTED 17 HOURS

OF THE LONGEST INVERSIONS

NUMBER 1 STARTED 17 HOURS INTO DAY 199

NUMBER 2 STARTED 16 HOURS INTO DAY 234

THIRD COLUMN DEFINES THE PERCENT PROBABILITY
THAT IF AN INVERSION OCCURS, ITS DURATION
WILL BE LESS THAN THE NUMBER OF HOURS SPECIFIED

TABLE 2B-7

TEMPERATURE AVERAGES AND EXTREMES

(Values in °F)

<u>Month</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Apr 1979	43.4	70.0	28.6
May	56.6	92.1	39.6
Jun	63.7	89.6	43.6
Jul	69.5	89.1	47.2
Aug	66.3	87.6	47.7
Sep	60.1	83.0	34.7
Oct	50.0	82.1	29.9
Nov	46.0	70.3	26.5
Dec	33.3	64.3	0.0
Jan 1980	26.9	57.8	6.4
Feb	24.2	48.2	5.6
Mar	34.2	58.7	1.9
Apr 1979 - Mar 1980	47.8	92.1	0.0

TABLE 2B-8

DEW POINT AVERAGES AND EXTREMES

(Values in °F)

<u>Month</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Apr 1979	(a)	(a)	(a)
May	50.5	64.1	28.5
Jun	53.2	68.1	31.6
Jul	57.5	67.7	38.0
Aug	64.3	73.0	44.1
Sep	55.2	70.6	39.4
Oct	38.8	62.5	21.1
Nov	37.6	63.3	7.1
Dec	24.7	49.7	-5.6
Jan 1980	15.1	55.5	-11.0
Feb	12.4	34.3	-8.7
Mar	24.3	52.6	-7.5
Apr 1979 - Mar 1980	35.4	73.0	-11.0

(a) Collection of onsite dew point data did not begin until May 1979.

TABLE 2B-9

PRECIPITATION TOTALS

(Values in Inches of Water)

<u>Month</u>	<u>Total Precipitation</u>
Apr 1979	2.69
May	3.47
Jun	0.71
Jul	2.87
Aug	3.87
Sep	3.75
Oct	4.75
Nov	3.33
Dec	1.59
Jan 1980	0.38
Feb	0.69
Mar	4.30
12-Month Average	32.40

TABLE 2B-10

METEOROLOGICAL DATA RECOVERY RATES

<u>Parameter</u>	<u>Possible Hours</u>	<u>Usable Hours</u>	<u>Recovery Rate</u>
43 Foot Wind Speed	8784	8683	98.8%
209 Foot Wind Speed	8784	8663	98.6%
43 Foot Wind Direction	8784	8654	98.5%
209 Foot Wind Direction	8784	8677	98.8%
43 Foot Temperature	8784	8679	98.8%
43-150 Foot Delta Temp	8784	8619	98.1%
43-209 Foot Delta Temp	8784	8661	98.6%
43 Foot Dew Point	7920 ^(a)	5573	79.2% ^(b)
Precipitation	8784	8513	96.9%
Solar Radiation	8784	8689	98.9%
Composite (43' WS, 43' WD, 43-150' DT)	8784	8584	97.7%
Composite (209' WS, 209' WD, 43-209' DT)	8784	8631	98.3%

^a Collection of Dew Point data began on May 7, 1979.

^b This figure includes the time period May 7, 1979 through March 31, 1980.

TABLE 2B-11
(Sheet 1 of 2)

STABILITY PERSISTENCE SUMMARY
APRIL 1979-MARCH 1980

a. 43-150 Foot Delta-Temperature

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY PERSISTENCE (HOURS)																											
STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL	
A	111 47	51 69	31 82	12 87	13 92	3 94	7 97	2 97	3 99	2 100	1 100	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	236	
B	297 62	100 83	47 93	22 98	8 100	2 100	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	0 0	0 0	0 0	476	
C	319 82	55 96	10 99	4 100	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	0 0	0 0	0 0	0 0	0 0	388	
D	323 36	180 55	136 69	70 77	36 81	34 84	32 88	13 89	14 91	15 92	8 93	16 95	9 96	8 96	3 97	5 97	5 98	5 98	2 99	2 99	2 99	1 99	3 99	0 99	5(a) 100	937	
E	322 45	133 64	73 74	46 81	32 85	20 88	17 91	13 93	19 95	9 96	9 98	0 98	8 99	3 99	2 100	0 100	2 100	1 100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	709	
F	210 62	76 84	24 91	11 94	13 98	1 98	2 99	3 100	1 100	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	341	
G	61 38	33 59	12 66	12 74	6 78	11 84	9 90	4 93	3 94	3 96	4 99	2 100	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	160	
TOTAL	1653	628	333	177	108	71	67	35	40	29	22	18	17	11	5	5	7	6	2	2	2	1	3	0	5	3247	

(a) Of these 5 occurrences of D stability which persisted over 24 hours:

- o one lasted 28 hours
- o one lasted 32 hours
- o one lasted 33 hours
- o one lasted 40 hours
- o one lasted 44 hours

TABLE 2B-11
(Sheet 2 of 2)

b. 43-209 Foot Delta-Temperature

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY PERSISTENCE (HOURS)

STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	59 61	22 84	2 86	5 91	2 93	2 95	1 96	2 98	2 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97
B	141 69	42 90	15 98	4 100	1 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	203
C	233 61	90 85	34 94	19 99	4 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	380
D	265 31	165 50	123 65	75 73	44 79	38 83	25 86	17 88	17 90	8 91	13 92	14 94	5 95	6 95	7 96	5 97	3 97	2 97	5 98	2 98	3 98	1 98	0 98	1 99	12(a) 100	855
E	276 37	157 58	68 67	58 74	50 81	35 86	15 88	18 90	19 93	18 95	9 96	3 97	5 97	9 98	5 99	1 99	1 99	1 99	0 99	1 100	2 100	1 100	0 100	0 100	0	752
F	185 53	88 78	38 89	18 94	10 97	6 99	4 100	0 100	1 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	350
G	44 33	19 48	15 59	9 66	7 71	11 80	10 87	3 89	4 92	0 92	7 98	3 100	0	0	0	0	0	0	0	0	0	0	0	0	0	132
TOTAL	1203	583	295	188	118	92	55	40	43	26	29	20	10	15	12	6	4	3	5	3	5	2	0	1	12	2770

(a) Of these 12 occurrences of D stability which persisted over 24 hours:

- o two lasted 25 hours
- o two lasted 26 hours
- o one lasted 27 hours
- o one lasted 28 hours

- o two lasted 32 hours
- o one lasted 36 hours
- o two lasted 44 hours
- o one lasted 46 hours

TABLE 2B-12
(Sheet 1 of 2)

STABILITY PERSISTENCE SUMMARY
JUNE 1980-MAY 1981

a. 43-150 Foot Delta-Temperature

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

STABILITY PERSISTENCE (HOURS)

STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT.24	TOTAL
A	99	49	36	23	26	16	19	14	6	5	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	300
	33	49	61	69	78	83	89	94	96	98	99	100	0	0	0	0	0	0	0	0	0	0	0	0	0	
B	311	105	32	16	5	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	474
	66	88	95	98	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C	251	56	19	6	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	337
	74	91	97	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	324	154	79	51	46	27	21	17	15	14	17	9	10	14	7	6	6	2	1	8	2	0	2	1	8 ^(a)	841
	39	57	66	72	78	81	83	85	87	89	91	92	93	95	96	96	97	97	98	98	99	99	99	99	100	
E	313	120	63	41	32	24	10	3	4	4	5	0	1	0	0	1	0	0	0	0	0	0	0	0	0	621
	50	70	80	86	92	95	97	98	98	99	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	
F	210	75	31	17	5	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	343
	61	83	92	97	99	99	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	69	27	14	14	10	12	6	3	8	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	168
	41	57	65	74	80	87	90	92	97	98	99	99	100	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	1577	586	274	168	127	83	62	39	33	25	29	11	12	14	7	7	6	2	1	8	2	0	2	1	8	3084

(a) Of these 8 occurrences of D stability which persisted over 24 hours:

- o one lasted 25 hours
- o one lasted 27 hours
- o one lasted 28 hours
- o one lasted 30 hours
- o one lasted 35 hours
- o one lasted 36 hours
- o one lasted 41 hours
- o one lasted 50 hours

TABLE 2B-12
(Sheet 2 of 2)

b. 43-209 Foot Delta-Temperature

STABILITY PERSISTENCE SUMMARY - NUMBER OF OBSERVATIONS AND PERCENT PROBABILITY

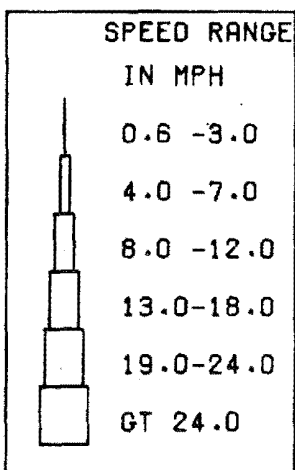
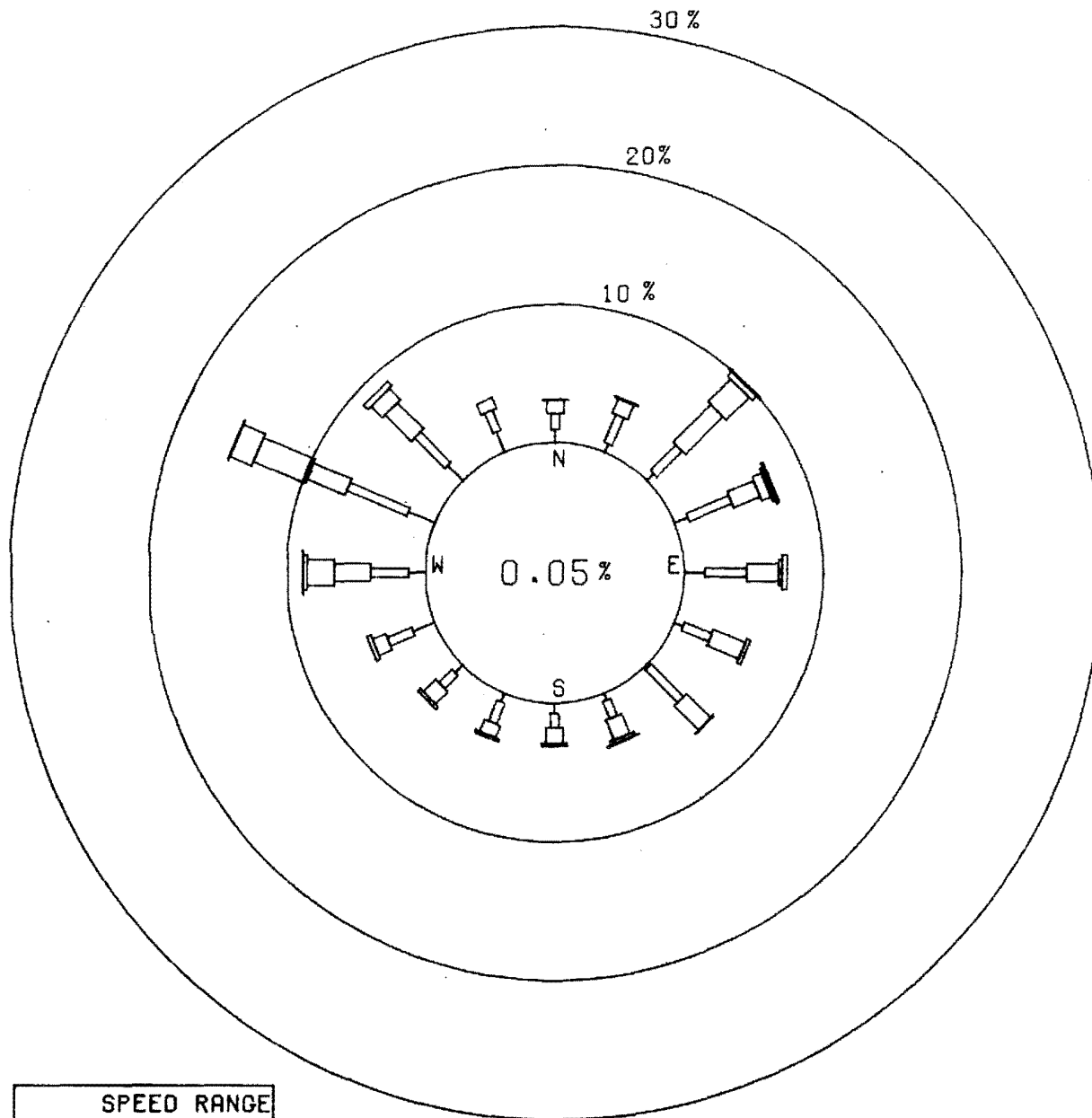
STABILITY PERSISTENCE (HOURS)

STABILITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	GT. 24	TOTAL
A	70 45	33 66	14 75	9 81	11 88	5 91	5 94	7 99	2 100	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	156
B	195 65	67 87	26 95	11 99	2 100	1 100	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	0 0	0 0	0 0	302
C	281 72	78 92	23 98	4 99	3 100	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	0 0	0 0	0 0	0 0	389
D	259 33	140 51	101 63	57 71	35 75	22 78	21 81	23 84	21 86	12 88	12 89	10 90	12 92	6 93	8 94	10 95	4 96	6 96	4 97	4 97	1 97	1 98	3 98	1 98	15 100	788 ^(a)
E	302 43	142 63	79 74	55 81	39 87	24 90	18 93	8 94	12 96	10 97	5 98	1 98	8 99	5 100	0 100	1 100	0 100	0 100	0 100	0 100	1 100	0 100	0 100	0 100	0 100	710
F	205 55	82 77	42 83	23 94	11 97	3 98	5 99	1 99	0 100	1 100	1 100	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	374
G	49 33	21 47	25 63	10 70	9 76	11 83	5 87	2 88	10 95	5 98	1 99	1 99	1 100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	150
TOTAL	1361	563	310	169	110	66	54	41	45	28	19	12	21	11	8	11	4	6	4	4	2	1	3	1	15	2869

(a) Of these 15 occurrences of D stability which persisted over 24 hours:

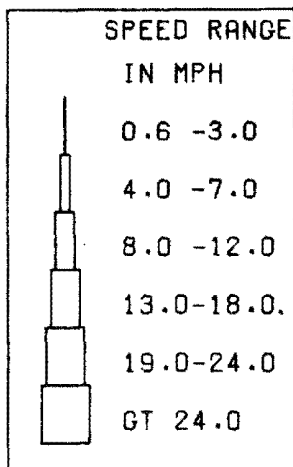
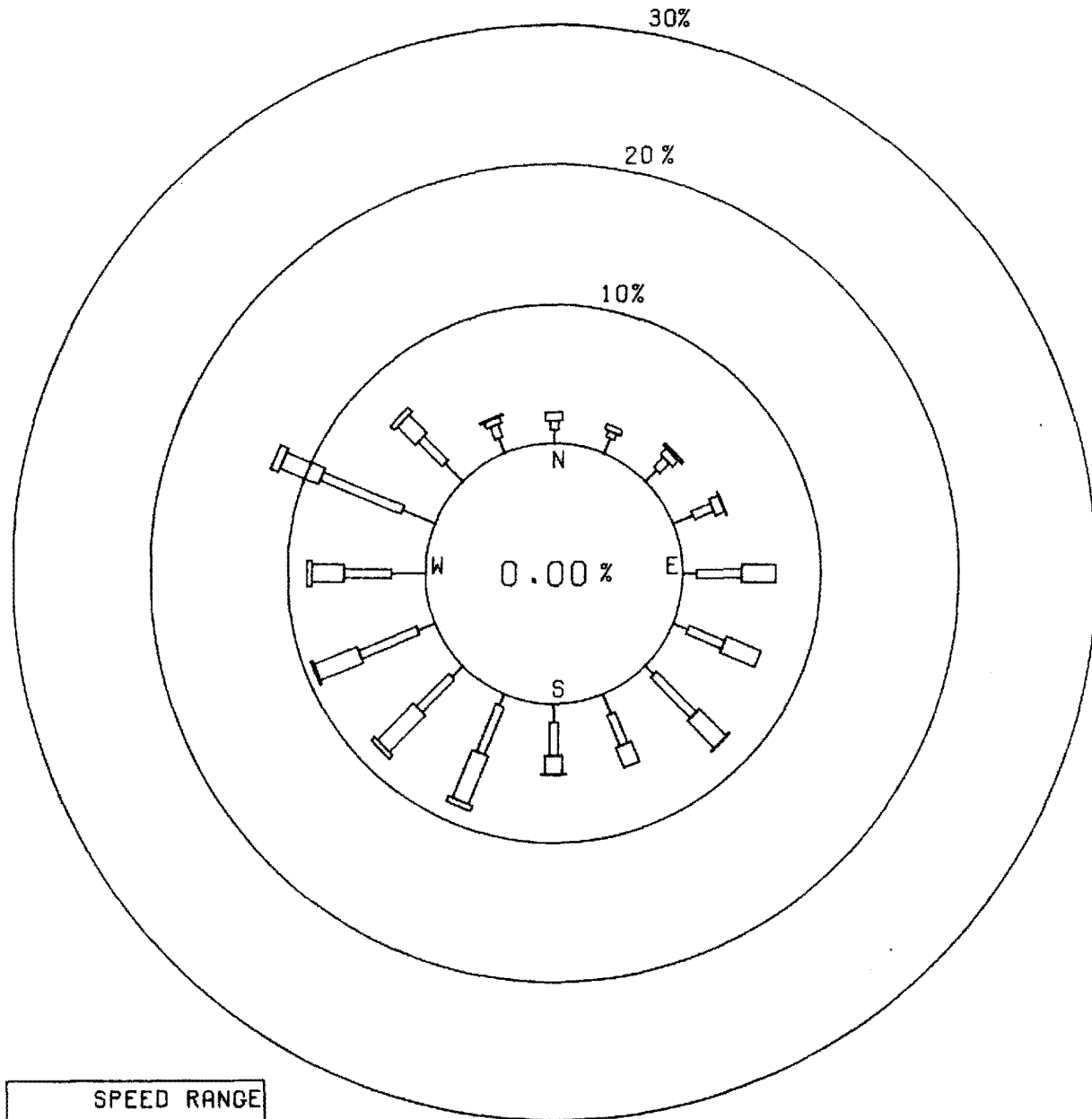
- | | |
|-------------------------|-----------------------|
| o three lasted 25 hours | o one lasted 36 hours |
| o three lasted 27 hours | o one lasted 42 hours |
| o one lasted 28 hours | o one lasted 45 hours |
| o one lasted 29 hours | o one lasted 46 hours |
| o one lasted 31 hours | o one lasted 50 hours |
| o one lasted 33 hours | |

STABILITY CLASS ALL



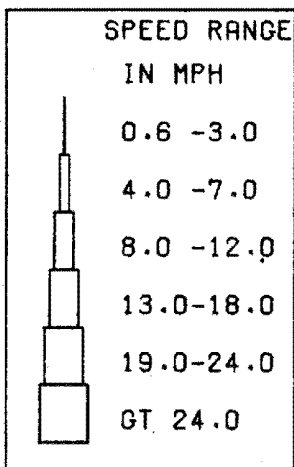
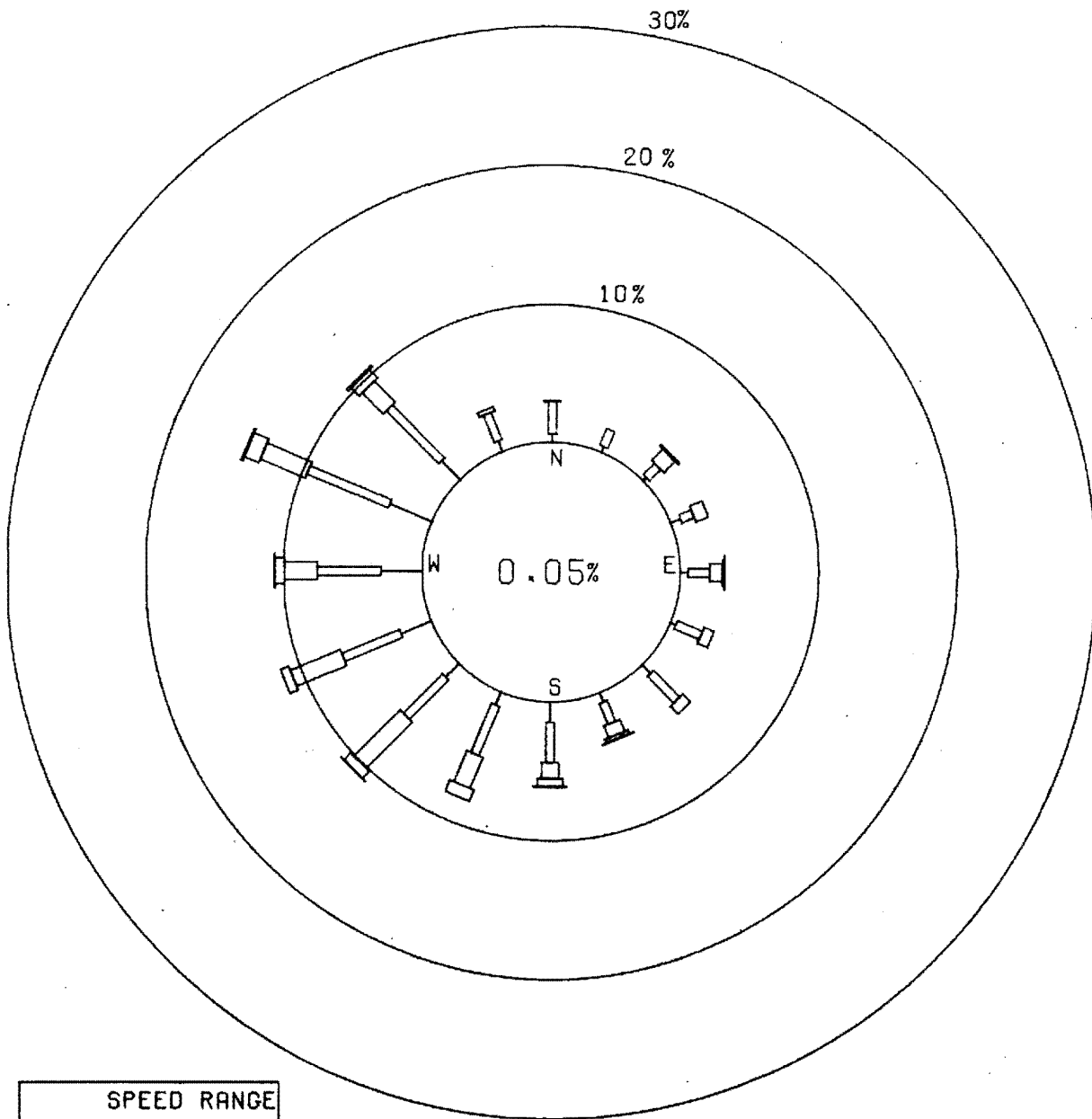
SPRING WIND ROSE (43 - FOOT LEVEL)
APRIL 1979-MAY 1979; MARCH 1980

STABILITY CLASS ALL



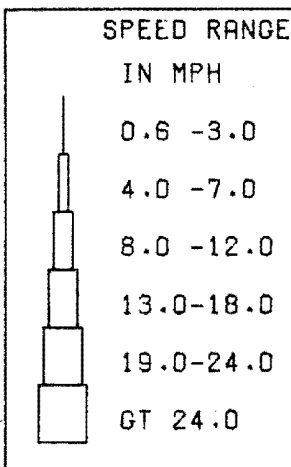
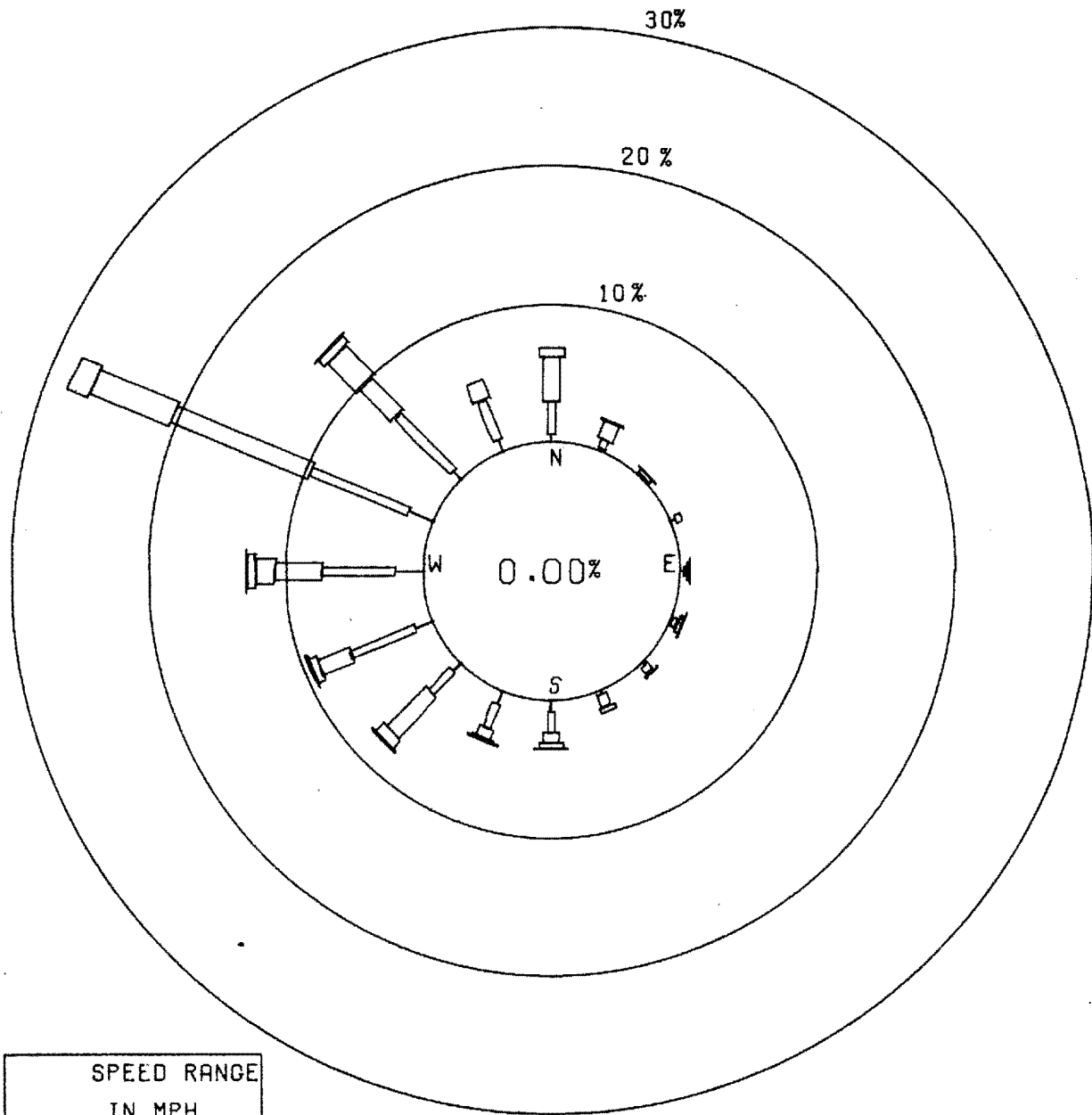
SUMMER WIND ROSE (43 - FOOT LEVEL)
JUNE 1979-AUGUST 1979

STABILITY CLASS ALL



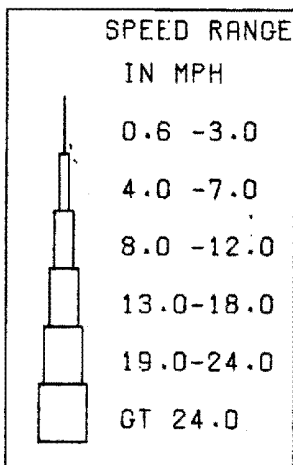
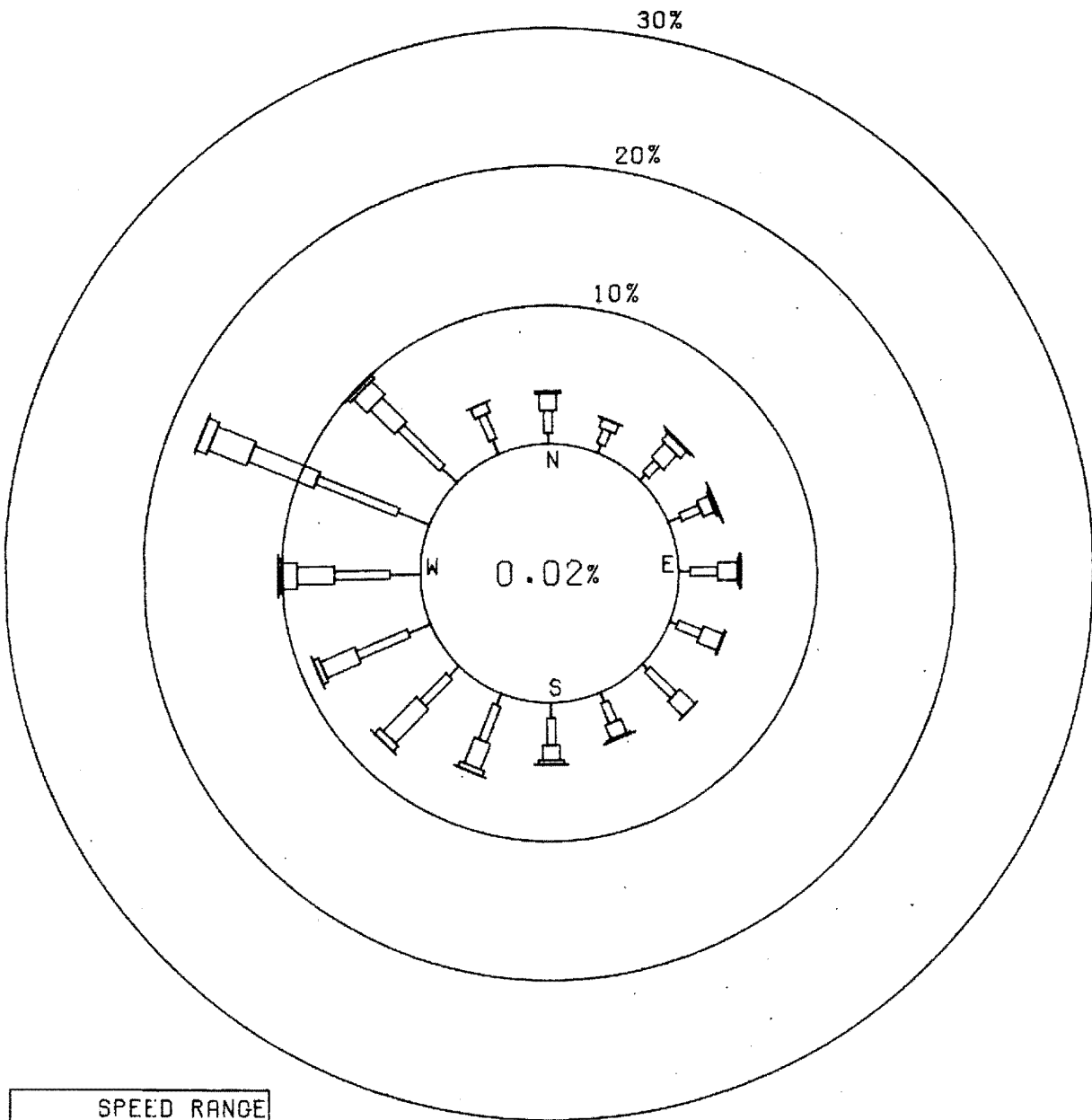
AUTUMN WIND ROSE (43 - FOOT LEVEL)
SEPTEMBER 1979 - NOVEMBER 1979

STABILITY CLASS ALL



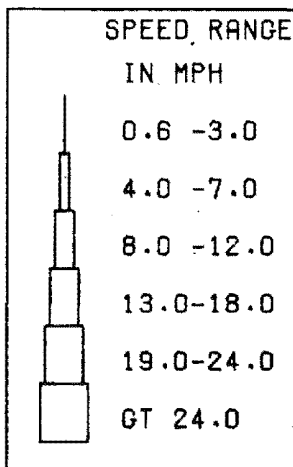
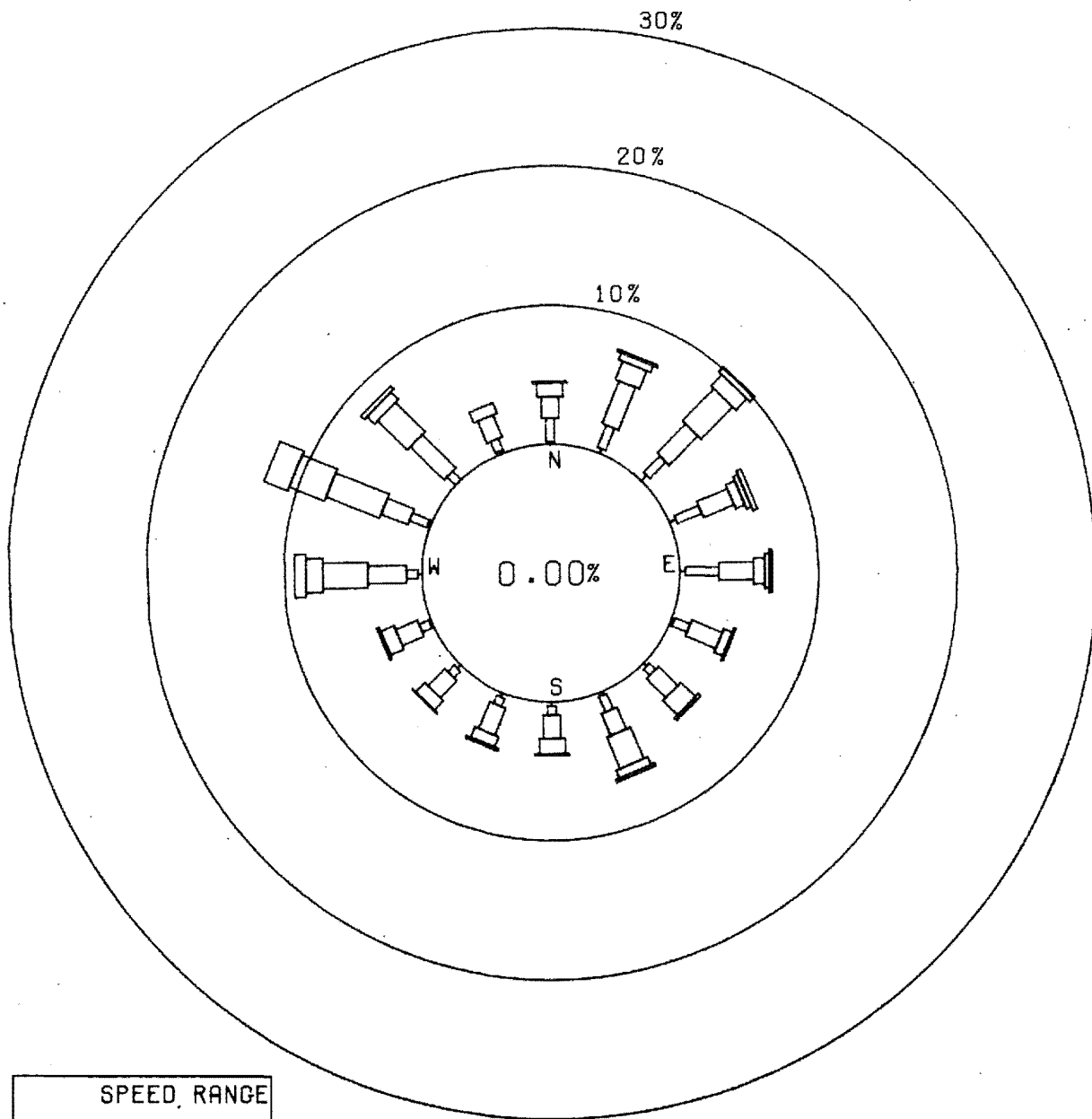
WINTER WIND ROSE (43 - FOOT LEVEL)
DECEMBER 1979 - FEBRUARY 1980

STABILITY CLASS ALL



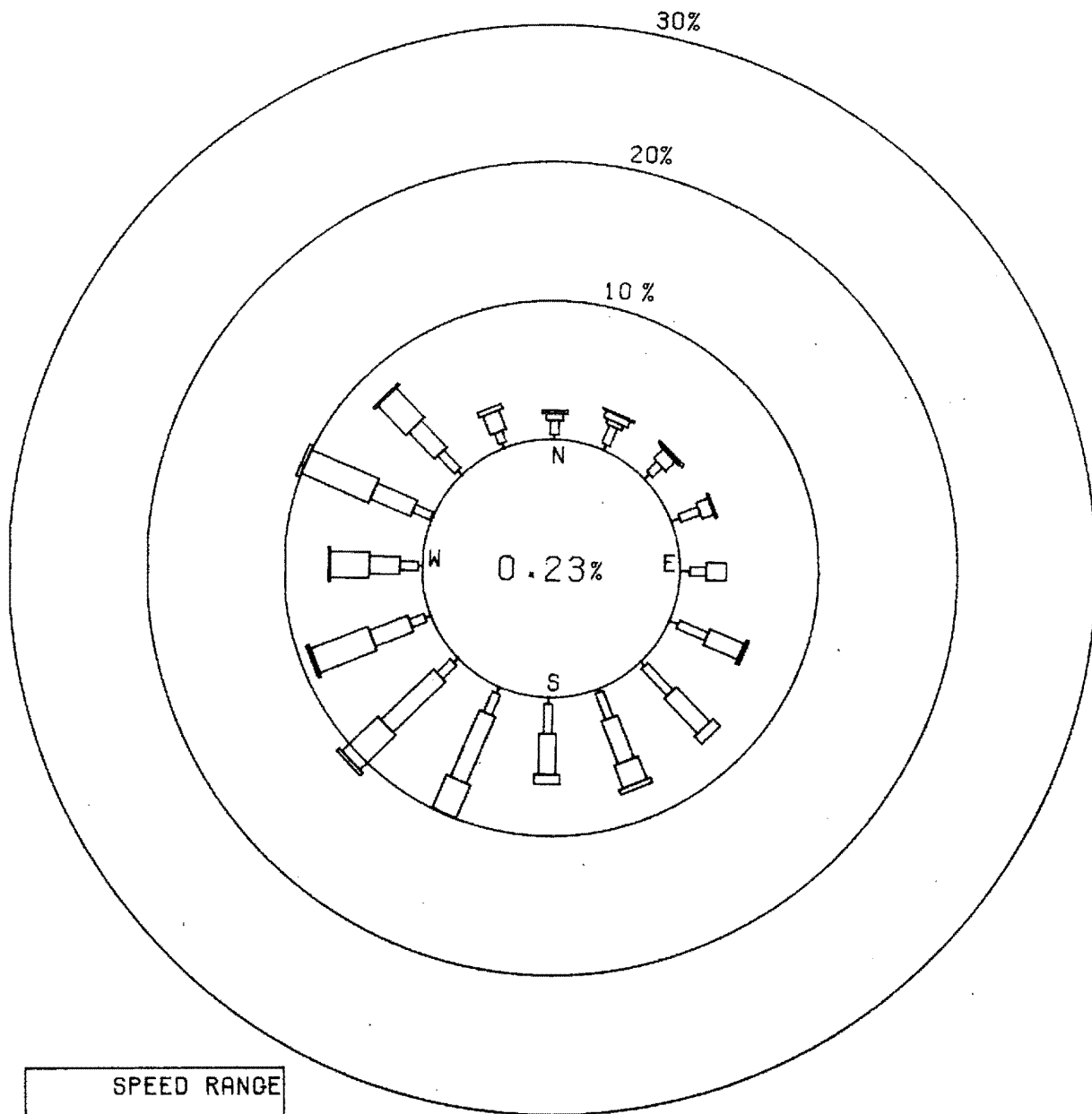
ANNUAL WIND ROSE (43 - FOOT LEVEL)
APRIL 1979 - MARCH 1980

STABILITY CLASS ALL



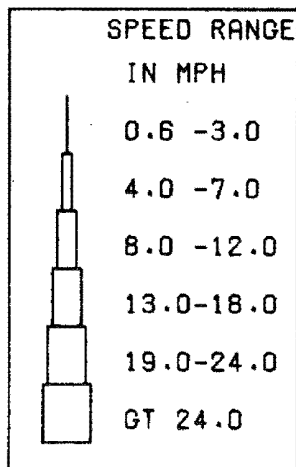
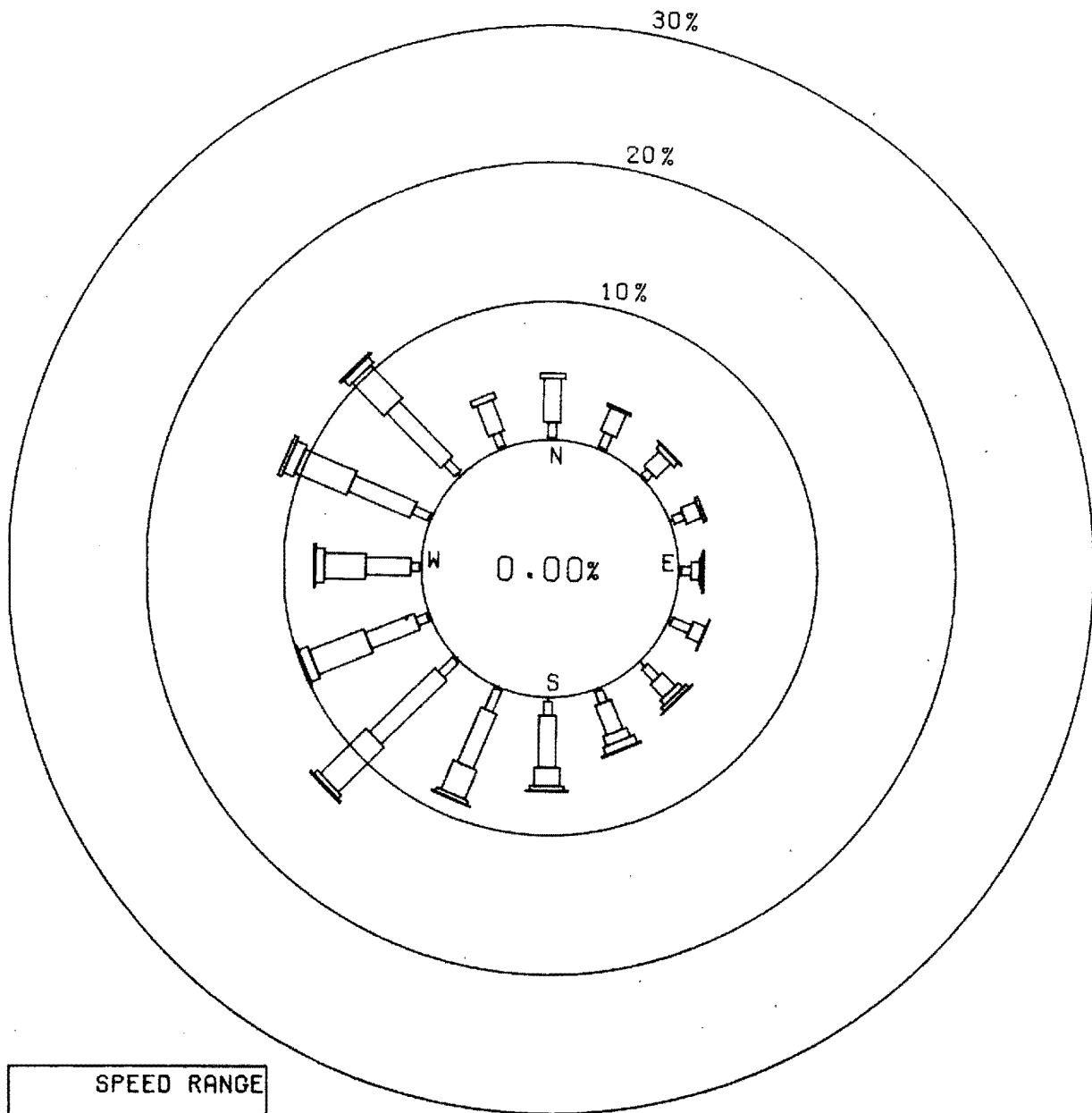
SPRING WIND ROSE (209 - FOOT LEVEL)
APRIL 1979 - MAY 1979; MARCH 1980

STABILITY CLASS ALL



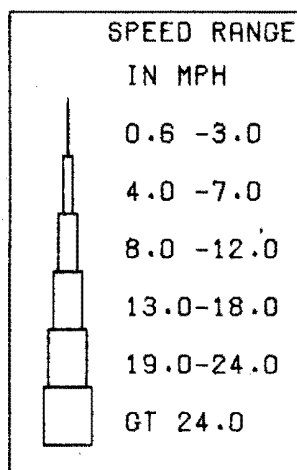
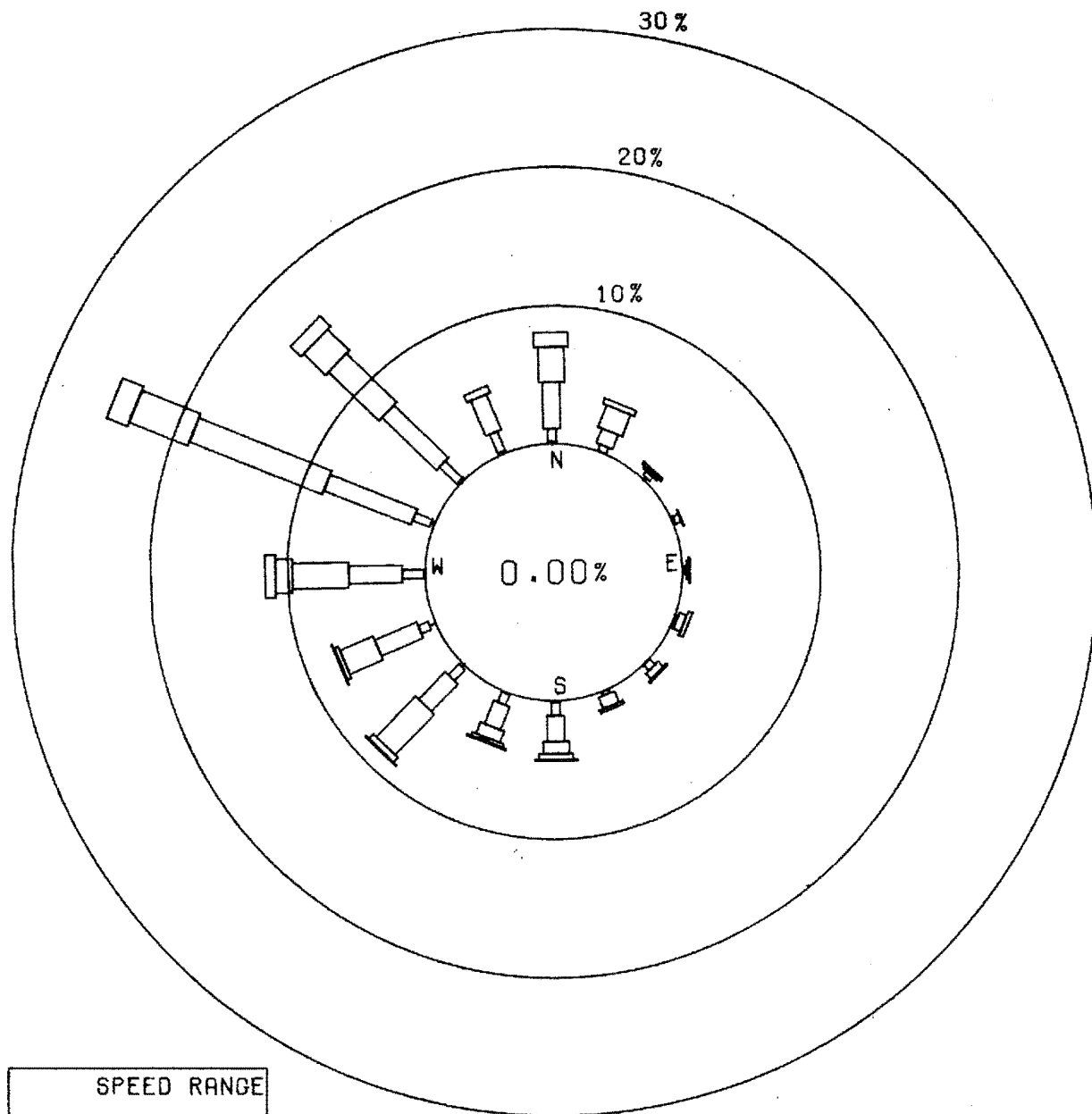
SUMMER WIND ROSE (209 - FOOT LEVEL)
JUNE 1979-AUGUST 1979

STABILITY CLASS ALL



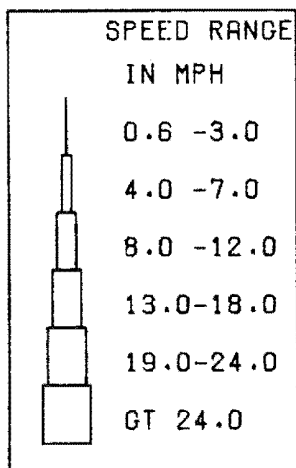
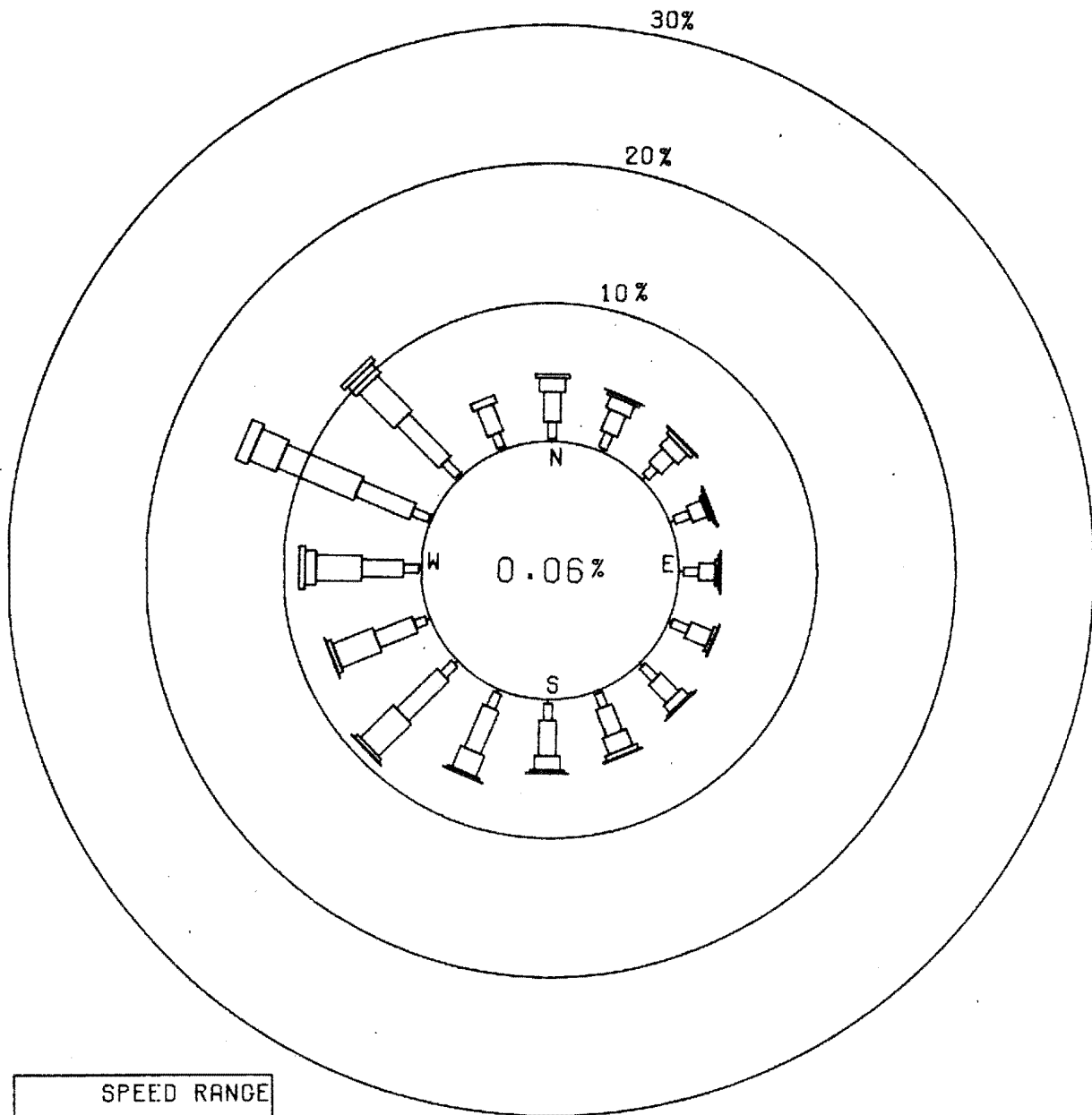
AUTUMN WIND ROSE (209 - FOOT LEVEL)
SEPTEMBER 1979 - NOVEMBER 1979

STABILITY CLASS ALL



WINTER WIND ROSE (209 - FOOT LEVEL)
DECEMBER 1979 - FEBRUARY 1980

STABILITY CLASS ALL



ANNUAL WIND ROSE (209 - FOOT LEVEL)
APRIL 1979 - MARCH 1980