

CEC6 BRAIDWOOD STATION
34 ft. WIND SPEED and WIND DIRECTION

January-December 1991
199-30 ft. DIFFERENTIAL TEMPERATURE

NUMBER OF OBSERVATIONS = 8418
VALUES ARE PERCENT OCCURRENCE

SPEED CLASS	WIND DIRECTION CLASSES																STABILITY CLASSES								TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3 SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1 SS	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
M MS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ES	.02	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
																									.12
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MU	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1 SU	.00	.00	.00	.03	.02	.04	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
N	.05	.08	.14	.23	.19	.17	.12	.12	.07	.02	.08	.06	.11	.13	.06	.06	1.63								
3 SS	.20	.21	.46	.86	.87	.34	.10	.10	.06	.05	.10	.12	.24	.23	.31	.14	4.37								
MS	.18	.21	.32	.56	.58	.37	.20	.08	.06	.06	.06	.11	.19	.27	.29	.15	3.89								
ES	.13	.18	.19	.18	.21	.12	.04	.04	.04	.02	.06	.04	.06	.13	.08	.21	1.72								
																									11.56
EU	.10	.13	.13	.24	.15	.02	.02	.01	.06	.06	.04	.01	.06	.04	.04	.08	1.19	1.19							
MU	.12	.10	.10	.10	.11	.07	.05	.07	.07	.06	.04	.05	.04	.01	.02	.26	1.05		1.05						
4 SU	.10	.14	.12	.24	.14	.13	.14	.04	.15	.07	.07	.05	.05	.04	.05	.08	1.60			1.60					
N	.40	.49	1.15	1.22	1.08	.71	.90	.78	.58	.39	.53	.75	.75	.89	.56	.52	11.70				11.70				
7 SS	.57	.72	1.14	1.27	1.03	1.28	1.47	1.33	.70	1.00	1.12	1.32	1.12	1.08	1.02	.72	17.00					17.00			
MS	.07	.07	.02	.06	.10	.31	.37	.30	.18	.21	.18	.90	.76	.39	.12	.17	4.21						4.21		
ES	.00	.00	.01	.02	.04	.01	.04	.02	.02	.05	.00	.20	.14	.01	.00	.00	.57							.57	
																									37.31
EU	.10	.13	.15	.02	.05	.05	.05	.05	.14	.21	.19	.14	.01	.01	.08	.11	1.50	1.50							
MU	.07	.07	.10	.02	.04	.07	.08	.07	.11	.07	.08	.20	.05	.05	.10	.18	1.35		1.35						
8 SU	.08	.06	.13	.05	.02	.05	.10	.14	.06	.13	.15	.13	.13	.18	.11	.15	1.67			1.67					
N	1.14	.75	.99	.57	.43	.40	.64	.94	.52	1.34	1.52	1.08	.94	1.02	.75	.91	13.95				13.95				
1 SS	.46	.43	.44	.33	.31	.44	.86	1.12	2.40	3.55	1.03	.70	.48	.84	.57	.69	14.65					14.65			
2 MS	.00	.00	.00	.00	.00	.00	.01	.06	.12	.30	.04	.01	.00	.01	.00	.01	.56						.56		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.00	.00	.00	.04							.04	
																									33.71
EU	.06	.01	.00	.00	.00	.02	.01	.00	.07	.31	.04	.01	.00	.00	.04	.00	.57	.57							
1 MU	.07	.01	.00	.00	.00	.00	.01	.00	.05	.15	.05	.02	.00	.04	.02	.01	.44		.44						
3 SU	.02	.01	.00	.00	.00	.01	.00	.01	.06	.14	.02	.05	.04	.07	.02	.01	.48			.48					
N	.39	.11	.11	.00	.02	.04	.24	.55	.72	1.27	.72	.82	.99	1.07	.39	.29	7.72				7.72				
1 SS	.14	.04	.02	.00	.00	.13	.12	.42	1.75	1.18	.19	.07	.26	.25	.15	.13	4.85					4.85			
8 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01						.01		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									14.07

9203030041 911231
PDR ADOCK 05000456
R PDR

CECO BRAIDWOOD STATION
34 ft. WIND SPEED and WIND DIRECTION

January-December 1991
195-30 ft. DIFFERENTIAL TEMPERATURE

SPEED CLASS	WIND DIRECTION CLASSES																STABILITY CLASSES								TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.02	.00	.00	.00	.00	.00	.07	.07							
1 MU	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01		.01						
9 SU	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.00	.00	.01	.00	.00	.00	.06			.06					
N	.00	.00	.00	.00	.00	.00	.00	.14	.46	.15	.21	.21	.43	.02	.04	.00	1.67				1.67				
2 SS	.00	.00	.00	.00	.00	.00	.06	.11	.18	.14	.10	.20	.13	.08	.00	.00	1.00					1.00			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									2.83
EU	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01	.01							
6 MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
7 SU	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01			.01					
N	.00	.00	.00	.00	.00	.00	.00	.00	.10	.05	.02	.00	.00	.00	.00	.00	.17				.17				
2 SS	.00	.00	.00	.00	.00	.00	.01	.08	.01	.01	.06	.00	.00	.00	.00	.00	.18					.18			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.04	.00	.00	.00	.00	.05						.05		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.42
TOT	4.57	3.96	5.74	6.05	5.42	4.73	5.63	6.51	8.85	11.13	6.69	7.37	6.97	5.84	4.83	4.72	100.00	3.34	2.87	3.94	36.84	42.06	8.55	2.39	100.00

Wind Direction by Stability

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-STABILITY CLASSES-
.25	.27	.23	.26	.20	.10	.08	.06	.29	.63	.29	.17	.07	.05	.15	.19	3.34	Extremely Unstable
.26	.18	.19	.12	.15	.14	.15	.14	.24	.29	.17	.27	.08	.10	.14	.25	2.87	Moderately Unstable
.20	.21	.25	.33	.19	.23	.24	.20	.31	.37	.25	.23	.23	.29	.18	.25	3.94	Slightly Unstable
1.98	1.43	2.39	2.02	1.72	1.26	1.90	2.53	2.44	3.23	3.10	2.92	3.21	3.14	1.79	1.78	36.84	Neutral
1.47	1.40	2.07	2.47	2.32	2.20	2.60	3.08	5.17	5.95	2.54	2.47	2.32	2.46	2.06	1.69	42.06	Slightly Stable
.25	.29	.36	.63	.68	.68	.58	.44	.36	.58	.29	1.06	.95	.68	.42	.33	8.55	Moderately Stable
.15	.18	.20	.21	.25	.13	.07	.06	.06	.08	.05	.25	.21	.14	.10	.25	2.39	Extremely Stable

Wind Direction by Wind Speed

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-WIND SPEED CLASSES-
.02	.00	.01	.04	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.12	CALM
.56	.69	1.12	1.87	1.89	.97	.46	.33	.23	.17	.30	.32	.59	.76	.74	.57	11.56	0.9 - 3.5 mph
1.45	1.65	2.67	3.15	2.65	2.54	2.99	2.55	1.75	1.87	1.97	3.28	2.91	2.44	1.81	1.64	37.31	3.6 - 7.5 mph
1.85	1.44	1.81	1.00	.84	1.01	1.73	2.38	3.35	5.62	3.02	2.28	1.62	2.11	1.50	2.06	33.71	7.6 - 12.5 mph
.69	.18	.13	.00	.02	.20	.38	.97	2.65	3.06	1.02	.97	1.28	1.43	.63	.44	14.07	12.6 - 18.5 mph
.00	.00	.00	.00	.00	.00	.06	.26	.68	.36	.33	.42	.57	.11	.04	.00	2.82	18.6 - 24.5 mph
.00	.00	.00	.00	.00	.00	.00	.01	.20	.08	.05	.10	.00	.00	.00	.00	.42	> 24.5 mph