

APPENDIX J

PROCESSED METEOROLOGICAL DATA USED IN THE FUGITIVE DUST MODEL SIMULATIONS FOR THE 25 HIGHEST S-8 SAMPLER DAYS

The meteorological data presented in this appendix were derived from the National Center for Atmospheric Research (NCAR) recording stations, the Jefferson County Airport, and Denver Stapleton International Airport. Wind speed and direction measurements were derived from the Kent NCAR recording station. For the December 5, 1968, and January 7, 1969, dates, Kent data was inferred from data taken at Table Mesa because the Kent data were missing. The extrapolation of Table Mesa data to Kent is discussed in the main body of the text. Atmospheric stability was calculated hourly using the method described in Turner (1964). Estimates of cloud cover and ceiling height were derived from Jefferson County Airport data and Denver Stapleton International Airport data for the time the Jefferson County Airport was closed. The six highest release days (Table J-1) used meteorological data digitized every 5 minutes. The remaining days (Table J-2) used meteorological data digitized every hour.

Table J-1 Meteorological Data for the Six Highest S-8 Sampler Days

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
05-Dec-68	8.00	1	250	3			
	8.08	1	250	3			
	8.17	1	250	3			
	8.25	1	250	3			
	8.33	1	250	3			
	8.42	1	250	3	2.43	0.7	18500
	8.50	1	250	3			
	8.58	1	250	3			
	8.67	1	250	3			
	8.75	2	250	3			
	8.83	2	250	3			
	8.92	2	250	3			
	9.00	3	320	3			
	9.08	3	320	3			
	9.17	3	320	3			
	9.25	3	320	3			
	9.33	3	320	3			
	9.42	2	320	3	4.70	0.7	18500
	9.50	2	320	3			
	9.58	2	320	3			
9.67	2	320	3				
9.75	2	320	3				

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	9.83	2	320	3			
	9.92	2	320	3			
	10.00	2	360	3			
	10.08	2	360	3			
	10.17	2	360	3			
	10.25	2	360	3			
	10.33	2	360	3			
	10.42	2	360	3	4.05	0.7	18500
	10.50	2	360	3			
	10.58	2	360	3			
	10.67	2	360	3			
	10.75	2	360	3			
	10.83	2	360	3			
05-Dec-68	10.92	3	360	3			
	11.00	3	180	3			
	11.08	3	180	3			
	11.17	4	180	3			
	11.25	4	180	3			
	11.33	5	180	4			
	11.42	5	180	4	10.53	0.3	18500
	11.50	6	180	4			
	11.58	6	180	4			
	11.67	6	180	4			
	11.75	7	180	4			
	11.83	8	180	4			
	11.92	8	180	4			
	12.00	8	150	4			
	12.08	8	150	4			
	12.17	7	150	4			
	12.25	7	150	4			
	12.33	6	150	4			
	12.42	6	150	4	12.96	0.3	18500
	12.50	6	150	4			
	12.58	5	150	4			
	12.67	5	150	4			
	12.75	5	150	4			
	12.83	7	150	4			
	12.92	10	150	4			
	13.00	11	250	4			
	13.08	11	250	4			
	13.17	11	250	4			
	13.25	10	250	4			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	13.33	7	250	4			
	13.42	5	250	4	14.25	0.3	18500
	13.50	5	250	4			
	13.58	5	250	4			
	13.67	5	250	4			
	13.75	5	250	4			
	13.83	5	250	4			
	13.92	8	250	4			
	14.00	12	260	4			
	14.08	14	260	4			
	14.17	15	260	4			
	14.25	16	260	4			
	14.33	16	260	4			
	14.42	16	260	4	30.78	0.3	18500
	14.50	16	260	4			
	14.58	16	260	4			
	14.67	17	260	4			
	14.75	17	260	4			
	14.83	18	260	4			
	14.92	17	260	4			
	15.00	17	270	4			
	15.08	15	270	4			
	15.17	15	270	4			
	15.25	15	270	4			
	15.33	15	270	4			
	15.42	15	270	4	31.26	0.3	18500
	15.50	16	270	4			
	15.58	17	270	4			
	15.67	17	270	4			
05-Dec-68	15.75	17	270	4			
	15.83	17	270	4			
	15.92	17	270	4			
	16.00	16	270	4			
	16.08	16	270	4			
	16.17	15	270	4			
	16.25	14	270	4			
	16.33	13	270	4			
	16.42	13	270	4	22.52	0.3	18500
	16.50	13	270	4			
	16.58	12	270	4			
	16.67	10	270	4			
	16.75	6	270	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	16.83	5	270	4			
	16.92	6	270	4			
	17.00	7	280	4			
	17.08	7	280	4			
	17.17	7	280	4			
	17.25	7	280	4			
	17.33	7	280	4			
	17.42	6	280	4	10.85	0.3	18500
	17.50	5	280	4			
	17.58	5	280	4			
	17.67	5	280	4			
	17.75	4	280	4			
	17.83	3	280	4			
	17.92	4	280	4			
	18.00	5	270	4			
	18.08	5	270	4			
	18.17	5	270	4			
	18.25	4	270	4			
	18.33	4	270	5			
	18.42	5	270	5	7.13	0.3	18500
	18.50	4	270	5			
	18.58	4	270	5			
	18.67	2	270	5			
	18.75	2	270	5			
	18.83	2	270	5			
	18.92	2	270	5			
	19.00	2	280	5			
	19.08	3	280	5			
	19.17	4	280	5			
	19.25	4	280	5			
	19.33	4	280	5			
	19.42	4	280	5	7.78	0.3	18500
	19.50	4	280	5			
	19.58	5	280	5			
	19.67	5	280	5			
	19.75	5	280	5			
	19.83	4	280	5			
	19.92	4	280	5			
	20.00	4	290	5			
	20.08	6	290	5			
	20.17	6	290	5			
	20.25	6	290	5			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
05-Dec-68	20.33	6	290	4			
	20.42	7	290	4	10.69	0.3	18500
	20.50	7	290	4			
	20.58	7	290	4			
	20.67	6	290	4			
	20.75	4	290	4			
	20.83	4	290	4			
	20.92	3	290	4			
	21.00	3	270	4			
	21.08	3	270	4			
	21.17	4	270	4			
	21.25	5	270	4			
	21.33	5	270	5			
	21.42	5	270	5	7.94	0.3	18500
	21.50	4	270	5			
	21.58	4	270	5			
	21.67	4	270	5			
	21.75	4	270	5			
	21.83	4	270	5			
	21.92	4	270	5			
	22.00	3	270	5			
	22.08	4	270	5			
	22.17	4	270	5			
	22.25	6	270	5			
	22.33	6	270	5			
	22.42	7	270	5	15.06	0.3	18500
	22.50	9	270	4			
	22.58	10	270	4			
	22.67	11	270	4			
	22.75	11	270	4			
	22.83	11	270	4			
	22.92	11	270	4			
	23.00	12	270	4			
23.08	15	270	4				
23.17	18	270	4				
23.25	19	270	4				
23.33	18	270	4				
23.42	18	270	4	30.78	0.3	18500	
23.50	17	270	4				
23.58	17	270	4				
23.67	17	270	4				
23.75	17	270	4				

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
06-Dec-68	23.83	11	270	4			
	23.92	11	270	4			
	0.00	10	270	4			
	0.08	10	270	4			
	0.17	10	270	4			
	0.25	10	270	4			
	0.33	12	270	4			
	0.42	12	270	4	22.35	0.3	18500
	0.50	12	270	4			
	0.58	12	270	4			
	0.67	12	270	4			
	0.75	12	270	4			
	0.83	13	270	4			
	0.92	13	270	4			
	1.00	13	270	4			
06-Dec-68	1.08	11	270	4			
	1.17	11	270	4			
	1.25	11	270	4			
	1.33	11	270	4			
	1.42	11	270	4	18.79	0.3	18500
	1.50	10	270	4			
	1.58	9	270	4			
	1.67	7	270	4			
	1.75	7	270	4			
	1.83	7	270	4			
	1.92	8	270	4			
	2.00	8	270	4			
	2.08	8	270	4			
	2.17	9	270	4			
	2.25	10	270	4			
	2.33	11	270	4			
	2.42	11	270	4	22.52	0.7	18500
2.50	11	270	4				
2.58	13	270	4				
2.67	14	270	4				
2.75	15	270	4				
2.83	15	270	4				
2.92	14	270	4				
3.00	11	270	4				
3.08	10	270	4				
3.17	9	270	4				
3.25	9	270	4				

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	3.33	8	270	4			
	3.42	7	270	4	14.25	0.7	18500
	3.50	7	270	4			
	3.58	6	270	4			
	3.67	6	270	4			
	3.75	5	270	4			
	3.83	5	270	4			
	3.92	5	270	4			
	4.00	5	270	4			
	4.08	5	270	4			
	4.17	5	270	4			
	4.25	7	270	4			
	4.33	8	270	4			
	4.42	7	270	4	13.77	0.7	18500
	4.50	8	270	4			
	4.58	8	270	4			
	4.67	8	270	4			
	4.75	8	270	4			
	4.83	8	270	4			
	4.92	8	270	4			
	5.00	8	270	4			
	5.08	8	270	4			
	5.17	7	270	4			
	5.25	5	270	4			
	5.33	5	270	4			
	5.42	5	270	4	11.66	0.7	18500
	5.50	5	270	4			
	5.58	4	270	4			
	5.67	4	270	4			
	5.75	5	270	4			
	5.83	8	270	4			
	5.92	8	270	4			
	6.00	5	280	4			
	6.08	5	280	4			
	6.17	5	280	4			
06-Dec-68	6.25	4	280	4			
	6.33	4	280	4			
	6.42	4	280	4	8.91	0.7	18500
	6.50	4	280	4			
	6.58	4	280	4			
	6.67	4	280	4			
	6.75	4	280	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	6.83	6	280	4			
	6.92	6	280	4			
	7.00	4	320	4			
	7.08	4	320	4			
	7.17	3	320	4			
	7.25	2	320	4			
	7.33	3	320	4			
	7.42	3	320	4	7.61	0.7	18500
	7.50	4	320	4			
	7.58	4	320	4			
	7.67	4	320	4			
	7.75	5	320	4			
	7.83	6	320	4			
	7.92	5	320	4			
06-Jan-69	8.00	13	280	4			
	8.08	13	280	4			
	8.17	13	280	4			
	8.25	13	280	4			
	8.33	13	280	4			
	8.42	13	280	4	25.00	0.7	15000
	8.50	13	280	4			
	8.58	13	280	4			
	8.67	13	280	4			
	8.75	13	280	4			
	8.83	13	280	4			
	8.92	13	280	4			
	9.00	12	270	4			
	9.08	12	270	4			
	9.17	12	270	4			
	9.25	12	270	4			
	9.33	12	270	4			
	9.42	12	270	4	23.00	0.7	15000
	9.50	12	270	4			
	9.58	12	270	4			
	9.67	12	270	4			
	9.75	12	270	4			
	9.83	12	270	4			
	9.92	12	270	4			
	10.00	13	270	4			
	10.08	13	270	4			
	10.17	13	270	4			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	10.25	13	270	4			
	10.33	13	270	4			
	10.42	13	270	4	26.00	0.7	15000
	10.50	13	270	4			
	10.58	13	270	4			
	10.67	13	270	4			
	10.75	13	270	4			
	10.83	13	270	4			
	10.92	13	270	4			
06-Jan-69	11.00	11	280	4			
	11.08	11	280	4			
	11.17	11	280	4			
	11.25	11	280	4			
	11.33	11	280	4			
	11.42	11	280	4	22.00	0.7	15000
	11.50	11	280	4			
	11.58	11	280	4			
	11.67	11	280	4			
	11.75	11	280	4			
	11.83	11	280	4			
	11.92	11	280	4			
	12.00	8	280	4			
	12.08	8	280	4			
	12.17	8	280	4			
	12.25	8	280	4			
	12.33	8	280	4			
	12.42	8	280	4	16.00	0.7	15000
	12.50	8	280	4			
	12.58	8	280	4			
	12.67	8	280	4			
	12.75	8	280	4			
	12.83	8	280	4			
	12.92	8	280	4			
	13.00	11	270	4			
	13.08	11	270	4			
	13.17	11	270	4			
	13.25	11	270	4			
	13.33	11	270	4			
	13.42	11	270	4	22.00	0.7	15000
	13.50	11	270	4			
	13.58	11	270	4			
	13.67	11	270	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	13.75	11	270	4			
	13.83	11	270	4			
	13.92	11	270	4			
	14.00	8	270	4			
	14.08	8	270	4			
	14.17	8	270	4			
	14.25	8	270	4			
	14.33	8	270	4			
	14.42	8	270	4	15.00	0.7	15000
	14.50	8	270	4			
	14.58	8	270	4			
	14.67	8	270	4			
	14.75	8	270	4			
	14.83	8	270	4			
	14.92	8	270	4			
	15.00	10	290	4			
	15.08	10	290	4			
	15.17	10	290	4			
	15.25	10	290	4			
	15.33	10	290	4			
	15.42	10	290	4	19.44	0.7	15000
	15.50	10	290	4			
	15.58	10	290	4			
	15.67	10	290	4			
	15.75	10	290	4			
06-Jan-69	15.83	10	290	4			
	15.92	10	290	4			
	16.00	5	230	4			
	16.08	5	230	4			
	16.17	5	230	4			
	16.25	5	230	4			
	16.33	5	230	4			
	16.42	5	230	4	10.00	0.7	15000
	16.50	5	230	4			
	16.58	5	230	4			
	16.67	5	230	4			
	16.75	5	230	4			
	16.83	5	230	4			
	16.92	5	230	4			
	17.00	8	280	4			
	17.08	8	280	4			
	17.17	8	280	4			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	17.25	8	280	4			
	17.33	8	280	4			
	17.42	8	280	4	15.00	0.3	15000
	17.50	8	280	4			
	17.58	8	280	4			
	17.67	8	280	4			
	17.75	8	280	4			
	17.83	8	280	4			
	17.92	8	280	4			
	18.00	8	80	4			
	18.08	8	80	4			
	18.17	8	80	4			
	18.25	8	80	4			
	18.33	8	80	4			
	18.42	8	80	4	15.00	0.7	15000
	18.50	8	80	4			
	18.58	8	80	4			
	18.67	8	80	4			
	18.75	8	80	4			
	18.83	8	80	4			
	18.92	8	80	4			
	19.00	5	30	4			
	19.08	5	30	4			
	19.17	5	30	4			
	19.25	5	30	4			
	19.33	5	30	4			
	19.42	5	30	4	10.00	1	15000
	19.50	5	30	4			
	19.58	5	30	4			
	19.67	5	30	4			
	19.75	5	30	4			
	19.83	5	30	4			
	19.92	5	30	4			
	20.00	8	360	4			
	20.08	8	360	4			
	20.17	8	360	4			
	20.25	8	360	4			
	20.33	8	360	4			
	20.42	8	360	4	15.00	1	15000
	20.50	8	360	4			
	20.58	8	360	4			
06-Jan-69	20.67	8	360	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	20.75	8	360	4			
	20.83	8	360	4			
	20.92	8	360	4			
	21.00	6	350	4			
	21.08	6	350	4			
	21.17	6	350	4			
	21.25	6	350	4			
	21.33	6	350	4			
	21.42	6	350	4	12.00	1	15000
	21.50	6	350	4			
	21.58	6	350	4			
	21.67	6	350	4			
	21.75	6	350	4			
	21.83	6	350	4			
	21.92	6	350	4			
	22.00	3	340	5			
	22.08	3	340	5			
	22.17	3	340	5			
	22.25	3	340	5			
	22.33	3	340	5			
	22.42	3	340	5	5.00	1	15000
	22.50	3	340	5			
	22.58	3	340	5			
	22.67	3	340	5			
	22.75	3	340	5			
	22.83	3	340	5			
	22.92	3	340	5			
	23.00	3	340	5			
	23.08	3	340	5			
	23.17	3	340	5			
	23.25	3	340	5			
	23.33	3	340	5			
	23.42	3	340	5	5.00	1	15000
	23.50	3	340	5			
	23.58	3	340	5			
	23.67	3	340	5			
	23.75	3	340	5			
	23.83	3	340	5			
	23.92	3	340	5			
07-Jan-69	0.00	1	270	6			
	0.08	1	270	6			
	0.17	1	270	6			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	0.25	1	270	6			
	0.33	1	270	6			
	0.42	1	270	6	2.32	1	15000
	0.50	1	270	6			
	0.58	1	270	6			
	0.67	1	270	6			
	0.75	1	270	6			
	0.83	2	270	6			
	0.92	3	270	6			
	1.00	2	270	5			
	1.08	3	270	5			
	1.17	4	270	5			
	1.25	4	270	5			
	1.33	3	270	5			
	1.42	2	270	5	4.57	1	15000
07-Jan-69	1.50	2	270	5			
	1.58	2	270	5			
	1.67	1	270	5			
	1.75	1	270	5			
	1.83	2	270	5			
	1.92	2	270	5			
	2.00	2	270	6			
	2.08	2	270	6			
	2.17	2	270	6			
	2.25	2	270	6			
	2.33	1	270	6			
	2.42	1	270	6	2.40	1	15000
	2.50	1	270	6			
	2.58	1	270	6			
	2.67	1	270	6			
	2.75	1	270	6			
	2.83	1	270	6			
	2.92	1	270	6			
	3.00	1	270	6			
	3.08	1	270	6			
	3.17	1	270	6			
	3.25	1	270	6			
	3.33	1	270	6			
	3.42	1	270	6	1.96	1	15000
	3.50	1	270	6			
	3.58	1	270	6			
	3.67	1	270	6			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	3.75	1	270	6			
	3.83	1	270	6			
	3.92	1	270	6			
	4.00	1	270	5			
	4.08	1	270	5			
	4.17	2	270	5			
	4.25	2	270	5			
	4.33	2	270	5			
	4.42	2	270	5	3.00	1	15000
	4.50	2	270	5			
	4.58	1	270	5			
	4.67	1	270	5			
	4.75	1	270	5			
	4.83	1	270	5			
	4.92	2	270	5			
	5.00	2	270	5			
	5.08	2	270	5			
	5.17	1	270	5			
	5.25	2	270	5			
	5.33	2	270	5			
	5.42	2	270	5	4.33	1	15000
	5.50	1	270	5			
	5.58	2	270	5			
	5.67	3	270	5			
	5.75	3	270	5			
	5.83	3	270	5			
	5.92	4	270	5			
	6.00	4	280	4			
	6.08	4	280	4			
	6.17	4	280	4			
	6.25	4	280	4			
07-Jan-69	6.33	4	280	4			
	6.42	4	280	4	7.78	1	15000
	6.50	4	280	4			
	6.58	4	280	4			
	6.67	4	280	4			
	6.75	4	280	4			
	6.83	4	280	4			
	6.92	4	280	4			
	7.00	6	350	4			
	7.08	6	350	4			
	7.17	6	350	4			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	7.25	6	350	4			
	7.33	6	350	4			
	7.42	6	350	4	11.66	0.7	18500
	7.50	6	350	4			
	7.58	6	350	4			
	7.67	6	350	4			
	7.75	6	350	4			
	7.83	6	350	4			
	7.92	6	350	4			
07-Jan-69	8.00	8	270	4			
	8.08	9	270	4			
	8.17	9	270	4			
	8.25	9	270	4			
	8.33	8	270	4			
	8.42	8	270	4	16.68	0.7	15000
	8.50	9	270	4			
	8.58	9	270	4			
	8.67	9	270	4			
	8.75	8	270	4			
	8.83	8	270	4			
	8.92	9	270	4			
	9.00	9	270	4			
	9.08	9	270	4			
	9.17	8	270	4			
	9.25	7	270	4			
	9.33	6	270	4			
	9.42	6	270	4	15.06	0.7	15000
	9.50	7	270	4			
	9.58	8	270	4			
	9.67	8	270	4			
	9.75	8	270	4			
	9.83	8	270	4			
	9.92	9	270	4			
	10.00	9	270	4			
	10.08	9	270	4			
	10.17	8	270	4			
	10.25	7	270	4			
	10.33	6	270	4			
	10.42	6	270	4	15.06	0.7	15000
	10.50	7	270	4			
	10.58	8	270	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average			
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)	
07-Jan-69	10.67	8	270	4				
	10.75	8	270	4				
	10.83	8	270	4				
	10.92	9	270	4				
	11.00	9	270	4				
	11.08	9	270	4				
	11.17	8	270	4				
	11.25	7	270	4				
	11.33	6	270	4				
	11.42	6	270	4		15.55	0.7	10000
	11.50	7	270	4				
	11.58	8	270	4				
	11.67	8	270	4				
	11.75	9	270	4				
	11.83	9	270	4				
	11.92	10	270	4				
	12.00	10	270	4				
	12.08	9	270	4				
	12.17	9	270	4				
	12.25	9	270	4				
	12.33	9	270	4				
	12.42	9	270	4		16.52	0.7	10000
	12.50	8	270	4				
	12.58	8	270	4				
	12.67	8	270	4				
	12.75	7	270	4				
	12.83	8	270	4				
	12.92	8	270	4				
	13.00	9	270	4				
	13.08	9	270	4				
	13.17	10	270	4				
	13.25	10	270	4				
	13.33	9	270	4				
	13.42	9	270	4		17.33	0.7	15000
	13.50	9	270	4				
	13.58	9	270	4				
13.67	9	270	4					
13.75	8	270	4					
13.83	8	270	4					
13.92	8	270	4					
14.00	7	270	4					
14.08	8	270	4					

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	14.17	8	270	4			
	14.25	9	270	4			
	14.33	9	270	4			
	14.42	10	270	4	17.17	0.7	15000
	14.50	10	270	4			
	14.58	9	270	4			
	14.67	9	270	4			
	14.75	9	270	4			
	14.83	9	270	4			
	14.92	9	270	4			
	15.00	8	270	4			
	15.08	8	270	4			
	15.17	8	270	4			
	15.25	7	270	4			
	15.33	8	270	4			
	15.42	8	270	4	15.71	0.7	15000
	15.50	9	270	4			
	15.58	9	270	4			
	15.67	9	270	4			
	15.75	8	270	4			
	15.83	8	270	4			
07-Jan-69	15.92	7	270	4			
	16.00	7	270	4			
	16.08	7	262	4			
	16.17	7	254	4			
	16.25	8	246	4			
	16.33	8	238	4			
	16.42	5	230	4	14.25	0.7	10000
	16.50	7	222	4			
	16.58	7	214	4			
	16.67	7	206	4			
	16.75	8	198	4			
	16.83	9	190	4			
	16.92	8	185	4			
	17.00	8	180	4			
	17.08	9	183	4			
	17.17	9	186	4			
	17.25	9	189	4			
	17.33	8	192	4			
	17.42	4	195	4	17.82	0.7	10000
	17.50	4	198	4			
	17.58	4	201	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	17.67	11	204	4			
	17.75	12	207	4			
	17.83	15	210	4			
	17.92	17	213	4			
	18.00	18	216	4			
	18.08	20	219	4			
	18.17	21	222	4			
	18.25	21	225	4			
	18.33	21	228	4			
	18.42	23	231	4	42.44	0.7	10000
	18.50	25	234	4			
	18.58	25	237	4			
	18.67	25	240	4			
	18.75	23	243	4			
	18.83	21	246	4			
	18.92	19	249	4			
	19.00	20	250	4			
	19.08	21	250	4			
	19.17	21	250	4			
	19.25	20	250	4			
	19.33	18	250	4			
	19.42	16	250	4	38.39	0.3	10000
	19.50	16	250	4			
	19.58	17	250	4			
	19.67	20	250	4			
	19.75	22	250	4			
	19.83	23	250	4			
	19.92	23	250	4			
	20.00	19	250	4			
	20.08	16	250	4			
	20.17	21	250	4			
	20.25	21	250	4			
	20.33	21	250	4			
	20.42	23	250	4	38.72	0.3	10000
	20.50	23	250	4			
	20.58	22	250	4			
	20.67	21	250	4			
07-Jan-69	20.75	20	250	4			
	20.83	19	250	4			
	20.92	13	250	4			
	21.00	11	250	4			
	21.08	13	250	4			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	21.17	17	250	4			
	21.25	18	250	4			
	21.33	19	250	4			
	21.42	18	250	4	27.54	0.3	10000
	21.50	17	250	4			
	21.58	15	250	4			
	21.67	13	250	4			
	21.75	11	250	4			
	21.83	9	250	4			
	21.92	9	250	4			
	22.00	9	250	4			
	22.08	9	250	4			
	22.17	10	250	4			
	22.25	14	250	4			
	22.33	15	250	4			
	22.42	15	250	4	23.00	0.3	10000
	22.50	14	250	4			
	22.58	14	250	4			
	22.67	14	250	4			
	22.75	10	250	4			
	22.83	9	250	4			
	22.92	9	250	4			
	23.00	10	250	4			
	23.08	10	250	4			
	23.17	10	250	4			
	23.25	11	250	4			
	23.33	11	250	4			
	23.42	12	250	4	19.76	0.3	10000
	23.50	11	250	4			
	23.58	11	250	4			
	23.67	8	250	4			
	23.75	9	250	4			
	23.83	9	250	4			
	23.92	10	250	4			
08-Jan-69	0.00	10	250	4			
	0.08	9	250	4			
	0.17	8	250	4			
	0.25	8	250	4			
	0.33	9	250	4			
	0.42	9	250	4	17.98	0.3	10000
	0.50	10	250	4			
	0.58	10	250	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	0.67	10	250	4			
	0.75	10	250	4			
	0.83	9	250	4			
	0.92	9	250	4			
	1.00	9	250	4			
	1.08	8	250	4			
	1.17	8	250	4			
	1.25	8	250	4			
	1.33	7	250	4			
	1.42	6	250	4	16.20	0.3	10000
	1.50	4	250	4			
08-Jan-69	1.58	7	250	4			
	1.67	12	250	4			
	1.75	12	250	4			
	1.83	10	250	4			
	1.92	9	250	4			
	2.00	8	250	4			
	2.08	4	250	4			
	2.17	5	250	4			
	2.25	7	250	4			
	2.33	7	250	4			
	2.42	6	250	4	14.58	0.3	10000
	2.50	7	250	4			
	2.58	9	250	4			
	2.67	9	250	4			
	2.75	8	250	4			
	2.83	9	250	4			
	2.92	11	250	4			
	3.00	11	250	4			
	3.08	9	250	4			
	3.17	8	250	4			
	3.25	9	250	4			
	3.33	9	250	4			
	3.42	9	250	4	14.58	0.3	10000
	3.50	8	250	4			
	3.58	6	250	4			
	3.67	4	250	4			
	3.75	4	250	4			
	3.83	6	250	4			
	3.92	7	250	4			
	4.00	7	250	4			
	4.08	7	250	4			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	4.17	8	250	4			
	4.25	8	250	4			
	4.33	8	250	4			
	4.42	8	250	4	13.45	0.3	10000
	4.50	8	250	4			
	4.58	7	250	4			
	4.67	6	250	4			
	4.75	4	250	4			
	4.83	5	250	4			
	4.92	7	250	4			
	5.00	7	250	4			
	5.08	8	250	4			
	5.17	8	250	4			
	5.25	9	250	4			
	5.33	9	250	4			
	5.42	10	250	4	16.52	0.3	10000
	5.50	10	250	4			
	5.58	9	250	4			
	5.67	9	250	4			
	5.75	8	250	4			
	5.83	8	250	4			
	5.92	7	250	4			
	6.00	8	250	4			
	6.08	8	250	4			
	6.17	7	250	4			
	6.25	6	250	4			
	6.33	5	250	4			
08-Jan-69	6.42	7	250	4	17.66	0.3	8000
	6.50	10	250	4			
	6.58	10	250	4			
	6.67	11	250	4			
	6.75	11	250	4			
	6.83	13	250	4			
	6.92	13	250	4			
	7.00	11	250	4			
	7.08	9	250	4			
	7.17	9	250	4			
	7.25	9	250	4			
	7.33	11	250	4			
	7.42	11	250	4	18.79	0.7	6000
	7.50	11	250	4			
	7.58	12	250	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	7.67	11	250	4			
	7.75	10	250	4			
	7.83	6	250	4			
	7.92	6	250	4			
30-Jan-69	8.00	14	270	4			
	8.08	16	270	4			
	8.17	17	270	4			
	8.25	15	270	4			
	8.33	13	270	4			
	8.42	14	270	4	28.67	0.3	18500
	8.50	16	270	4			
	8.58	13	270	4			
	8.67	13	270	4			
	8.75	13	270	4			
	8.83	16	270	4			
	8.92	17	270	4			
	9.00	18	270	4			
	9.08	17	270	4			
	9.17	17	270	4			
	9.25	17	270	4			
	9.33	16	270	4			
	9.42	15	270	4	30.78	0	18500
	9.50	15	270	4			
	9.58	14	270	4			
	9.67	15	270	4			
	9.75	16	270	4			
	9.83	16	270	4			
	9.92	14	270	4			
	10.00	13	270	4			
	10.08	10	270	4			
	10.17	13	270	4			
	10.25	13	270	4			
	10.33	14	270	4			
	10.42	13	270	4	25.11	0	18500
	10.50	12	270	4			
	10.58	11	270	4			
	10.67	13	270	4			
	10.75	15	270	4			
	10.83	14	270	4			
	10.92	14	270	4			
	11.00	14	270	4			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
30-Jan-69	11.08	17	270	4			
	11.17	18	270	4			
	11.25	16	270	4			
	11.33	13	270	4			
	11.42	17	270	4	28.83	0	18500
	11.50	13	270	4			
	11.58	13	270	4			
	11.67	13	270	4			
	11.75	15	270	4			
	11.83	14	270	4			
	11.92	15	270	4			
	12.00	13	270	4			
	12.08	13	270	4			
	12.17	13	270	4			
	12.25	13	270	4			
	12.33	12	270	4			
	12.42	12	270	4	21.06	0	18500
	12.50	11	270	4			
	12.58	8	270	4			
	12.67	8	270	4			
	12.75	8	270	4			
	12.83	9	270	4			
	12.92	10	270	4			
	13.00	9	270	4			
	13.08	9	270	4			
	13.17	8	270	4			
	13.25	7	270	4			
	13.33	8	270	4			
	13.42	7	270	4	13.45	0	18500
	13.50	7	270	4			
	13.58	6	270	4			
	13.67	6	270	4			
	13.75	6	270	4			
13.83	5	270	4				
13.92	5	270	4				
14.00	4	270	4				
14.08	5	270	4				
14.17	5	270	4				
14.25	6	270	4				
14.33	6	270	4				
14.42	6	315	3	9.72	0	18500	
14.50	5	270	3				

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	14.58	5	270	3			
	14.67	5	270	3			
	14.75	4	270	3			
	14.83	5	270	3			
	14.92	4	270	3			
	15.00	2	270	3			
	15.08	3	315	3			
	15.17	5	270	3			
	15.25	4	315	3			
	15.33	3	315	3			
	15.42	3	315	3	5.99	0	18500
	15.50	1	315	4			
	15.58	4	315	4			
	15.67	3	270	4			
	15.75	3	270	4			
	15.83	2	315	4			
	15.92	4	270	4			
30-Jan-69	16.00	3	315	4			
	16.08	2	270	4			
	16.17	1	315	4			
	16.25	1	45	4			
	16.33	1	90	4			
	16.42	1	360	4	3.73	0	18500
	16.50	2	360	4			
	16.58	1	45	4			
	16.67	1	45	4			
	16.75	2	90	4			
	16.83	4	90	4			
	16.92	4	90	4			
	17.00	3	90	4			
	17.08	2	90	4			
	17.17	1	90	4			
	17.25	1	90	4			
	17.33	1	90	4			
	17.42	1	90	4	3.89	0	18500
	17.50	3	90	6			
	17.58	3	135	6			
	17.67	3	90	6			
	17.75	1	135	6			
	17.83	1	180	6			
	17.92	4	180	6			
	18.00	5	180	6			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	18.08	2	180	6			
	18.17	2	135	6			
	18.25	2	270	6			
	18.33	1	180	6			
	18.42	2	180	6	3.89	0	18500
	18.50	2	180	6			
	18.58	2	270	6			
	18.67	2	180	6			
	18.75	2	180	6			
	18.83	1	180	6			
	18.92	1	180	6			
	19.00	2	180	6			
	19.08	2	135	6			
	19.17	3	180	6			
	19.25	3	180	6			
	19.33	1	180	6			
	19.42	2	180	6	3.40	0	18500
	19.50	3	180	6			
	19.58	1	180	6			
	19.67	1	135	6			
	19.75	1	135	6			
	19.83	1	135	6			
	19.92	1	135	6			
	20.00	2	180	6			
	20.08	2	180	6			
	20.17	1	180	6			
	20.25	2	180	6			
	20.33	1	180	6			
	20.42	2	180	6	3.08	0	18500
	20.50	2	180	6			
	20.58	2	180	6			
	20.67	2	180	6			
	20.75	1	180	6			
30-Jan-69	20.83	1	180	6			
	20.92	1	180	6			
	21.00	1	180	6			
	21.08	2	180	6			
	21.17	1	180	6			
	21.25	1	180	6			
	21.33	1	270	6			
	21.42	1	180	6	2.43	0	18500
	21.50	1	135	6			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	21.58	1	180	6			
	21.67	1	180	6			
	21.75	2	180	6			
	21.83	1	180	6			
	21.92	2	180	6			
	22.00	3	180	6			
	22.08	2	180	6			
	22.17	1	135	6			
	22.25	2	180	6			
	22.33	1	180	6			
	22.42	1	180	6	4.05	0	18500
	22.50	1	180	5			
	22.58	1	180	5			
	22.67	2	180	5			
	22.75	3	180	5			
	22.83	4	180	5			
	22.92	4	180	5			
	23.00	4	180	5			
	23.08	4	180	5			
	23.17	3	180	5			
	23.25	4	180	5			
	23.33	4	180	5			
	23.42	4	180	5	6.48	0	18500
	23.50	4	180	6			
	23.58	4	180	6			
	23.67	2	180	6			
	23.75	3	180	6			
	23.83	3	180	6			
	23.92	1	180	6			
31-Jan-69	0.00	1	180	6			
	0.08	4	180	6			
	0.17	1	135	6			
	0.25	2	180	6			
	0.33	2	180	6			
	0.42	2	135	6	4.70	0	18500
	0.50	3	180	6			
	0.58	2	135	6			
	0.67	4	270	6			
	0.75	4	180	6			
	0.83	1	180	6			
	0.92	3	180	6			
	1.00	1	180	6			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	1.08	3	180	6			
	1.17	3	180	6			
	1.25	3	180	6			
	1.33	2	180	6			
	1.42	2	180	6	4.54	0	18500
	1.50	2	180	5			
	1.58	3	180	5			
31-Jan-69	1.67	2	180	5			
	1.75	2	180	5			
	1.83	2	180	5			
	1.92	3	180	5			
	2.00	4	270	5			
	2.08	3	270	5			
	2.17	4	270	5			
	2.25	4	270	5			
	2.33	3	270	5			
	2.42	4	270	5	7.78	0	18500
	2.50	4	270	4			
	2.58	5	270	4			
	2.67	5	270	4			
	2.75	4	270	4			
	2.83	4	270	4			
	2.92	4	270	4			
	3.00	4	270	4			
	3.08	4	270	4			
	3.17	5	270	4			
	3.25	6	270	4			
	3.33	6	270	4			
	3.42	6	270	4	10.04	0	18500
	3.50	4	270	4			
	3.58	4	270	4			
	3.67	4	270	4			
	3.75	3	270	4			
	3.83	7	270	4			
	3.92	9	270	4			
	4.00	7	270	4			
	4.08	6	270	4			
	4.17	6	270	4			
	4.25	5	270	4			
	4.33	7	270	4			
	4.42	11	270	4	16.04	0	18500
	4.50	11	270	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	4.58	12	270	4			
	4.67	9	270	4			
	4.75	8	270	4			
	4.83	10	270	4			
	4.92	7	270	4			
	5.00	6	270	4			
	5.08	7	270	4			
	5.17	6	270	4			
	5.25	5	270	4			
	5.33	5	270	4			
	5.42	6	270	4	14.90	0	18500
	5.50	7	270	4			
	5.58	5	270	4			
	5.67	10	270	4			
	5.75	9	270	4			
	5.83	13	270	4			
	5.92	13	270	4			
	6.00	13	270	4			
	6.08	13	270	4			
	6.17	13	270	4			
	6.25	13	270	4			
	6.33	7	270	4			
	6.42	7	270	4	26.73	0	18500
31-Jan-69	6.50	10	270	4			
	6.58	15	270	4			
	6.67	18	270	4			
	6.75	18	270	4			
	6.83	20	270	4			
	6.92	18	270	4			
	7.00	21	270	4			
	7.08	21	270	4			
	7.17	22	270	4			
	7.25	26	270	4			
	7.33	23	270	4			
	7.42	22	270	4	36.12	0	18500
	7.50	20	270	4			
	7.58	17	270	4			
	7.67	16	270	4			
	7.75	13	270	4			
	7.83	12	270	4			
	7.92	10	270	4			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
18-Mar-98	8.00	13.4	225	4			
	8.08	15.2	225	4			
	8.17	19.7	270	4			
	8.25	13.4	270	4			
	8.33	12.5	270	4			
	8.42	15.2	270	4	31.94	0.7	18500
	8.50	14.3	270	4			
	8.58	16.1	270	4			
	8.67	19.7	270	4			
	8.75	19.2	270	4			
	8.83	17.9	270	4			
	8.92	20.6	270	4			
	9.00	21	270	4			
	9.08	23.2	270	4			
	9.17	23.2	270	4			
	9.25	24.6	225	4			
	9.33	21.5	270	4			
	9.42	19.7	270	4	42.17	0.7	18500
	9.50	18.8	270	4			
	9.58	22.4	270	4			
	9.67	22.4	270	4			
	9.75	17.9	270	4			
	9.83	22.4	270	4			
	9.92	23.2	270	4			
	10.00	23.2	270	4			
	10.08	18.8	270	4			
	10.17	21	270	4			
	10.25	21.5	270	4			
	10.33	19.7	270	4			
	10.42	17.9	270	4	34.26	0.3	18500
	10.50	17.9	270	4			
	10.58	16.1	270	4			
	10.67	14.3	270	4			
10.75	15.2	270	4				
10.83	13.4	270	4				
10.92	12.5	270	4				
11.00	14.3	270	4				
11.08	11.6	270	4				
11.17	13.4	270	4				
18-Mar-98	11.25	12.5	270	4			
	11.33	11.6	270	4			
	11.42	10.7	270	4	21.69	0.3	18500

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	11.50	10.3	270	4			
	11.58	10.3	270	4			
	11.67	10.7	270	4			
	11.75	9.8	270	4			
	11.83	9.8	270	4			
	11.92	8.9	270	4			
	12.00	8.9	315	4			
	12.08	8	315	4			
	12.17	6.7	315	4			
	12.25	6.7	315	4			
	12.33	8	315	4			
	12.42	8.9	315	4	15.96	0.3	18500
	12.50	7.2	315	4			
	12.58	7.6	315	4			
	12.67	9.8	315	4			
	12.75	8.9	270	4			
	12.83	8.9	315	4			
	12.92	8.9	270	4			
	13.00	8.9	270	4			
	13.08	8.9	270	4			
	13.17	8.9	270	4			
	13.25	11.6	315	4			
	13.33	8.9	270	4			
	13.42	8	270	4	18.77	0	18500
	13.50	11.6	270	4			
	13.58	9.8	270	4			
	13.67	9.8	315	4			
	13.75	10.3	270	4			
	13.83	9.8	270	4			
	13.92	9.4	270	4			
	14.00	10.7	270	4			
	14.08	9.4	270	4			
	14.17	9.8	270	4			
	14.25	9.8	270	4			
	14.33	11.6	270	4			
	14.42	8.9	270	4	18.77	0	18500
	14.50	8.9	270	4			
	14.58	8.9	270	4			
	14.67	9.8	270	4			
	14.75	9.4	270	4			
	14.83	9.8	270	4			
	14.92	8.9	270	4			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	15.00	8.9	270	4			
	15.08	8	270	4			
	15.17	7.2	270	4			
	15.25	6.7	270	4			
	15.33	8	270	4			
	15.42	8.9	270	4	15.53	0	18500
	15.50	8.9	270	4			
	15.58	7.2	315	4			
	15.67	8	315	4			
	15.75	7.6	315	4			
	15.83	8.5	270	4			
	15.92	8	270	4			
	16.00	8	270	4			
18-Mar-98	16.08	5.8	315	4			
	16.17	7.2	315	4			
	16.25	6.3	270	4			
	16.33	8	270	4			
	16.42	8	315	4	12.96	0	18500
	16.50	8	315	4			
	16.58	7.6	315	4			
	16.67	5.8	315	4			
	16.75	5.4	315	4			
	16.83	5.4	315	4			
	16.92	4.5	315	4			
	17.00	4.5	270	4			
	17.08	4.5	270	4			
	17.17	4.5	270	4			
	17.25	3.6	315	4			
	17.33	3.6	270	4			
	17.42	3.6	270	3	6.84	0	18500
	17.50	2.7	270	3			
	17.58	2.2	270	3			
	17.67	2.2	270	3			
	17.75	3.6	270	3			
	17.83	3.6	270	3			
	17.92	3.6	270	3			
	18.00	3.6	270	3			
	18.08	3.6	270	3			
	18.17	1.8	270	3			
	18.25	0.9	270	3			
	18.33	0.9	270	6			
	18.42	0.4	270	6	2.72	0	18500

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	18.50	1.8	225	6			
	18.58	2.2	180	6			
	18.67	0.4	180	6			
	18.75	0.4	180	6			
	18.83	0.4	180	6			
	18.92	0.4	360	6			
	19.00	0.4	360	6			
	19.08	0.4	135	6			
	19.17	0.4	90	6			
	19.25	0.4	45	6			
	19.33	0.4	90	6			
	19.42	1.3	90	6	2.06	0	18500
	19.50	0.9	90	6			
	19.58	1.8	90	6			
	19.67	1.3	90	6			
	19.75	0.9	90	6			
	19.83	1.8	90	6			
	19.92	2.7	90	6			
	20.00	1.3	90	6			
	20.08	1.8	45	6			
	20.17	0.9	90	6			
	20.25	0.9	90	6			
	20.33	0.9	90	6			
	20.42	0.9	90	6	2.15	0	18500
	20.50	1.3	90	6			
	20.58	1.8	90	6			
	20.67	0.9	90	6			
	20.75	1.3	90	6			
	20.83	0.9	90	6			
18-Mar-98	20.92	0.4	180	6			
	21.00	0.4	180	6			
	21.08	0.9	135	6			
	21.17	0.4	90	6			
	21.25	1.8	90	6			
	21.33	0.4	90	6			
	21.42	0.4	135	6	1.83	0	18500
	21.50	0.4	135	6			
	21.58	2.2	180	6			
	21.67	1.8	90	6			
	21.75	0.4	45	6			
	21.83	1.3	45	6			
	21.92	0.9	90	6			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	22.00	1.3	180	6			
	22.08	1.3	180	6			
	22.17	0.4	270	6			
	22.25	0.9	270	6			
	22.33	0.4	180	6			
	22.42	0.4	180	6	1.75	0	18500
	22.50	2.2	180	6			
	22.58	1.8	270	6			
	22.67	0.4	225	6			
	22.75	0.4	225	6			
	22.83	0.4	135	6			
	22.92	0.9	45	6			
	23.00	0.4	180	6			
	23.08	0.4	180	6			
	23.17	0.4	225	6			
	23.25	1.8	180	6			
	23.33	0.9	180	6			
	23.42	0.4	180	6	1.68	0	18500
	23.50	0.9	135	6			
	23.58	1.3	180	6			
	23.67	1.8	180	6			
	23.75	1.3	225	6			
	23.83	0.4	360	6			
	23.92	0.4	90	6			
20-Mar-69	0.00	0.9	180	6			
	0.08	0.4	360	6			
	0.17	4.5	225	6			
	0.25	5.4	270	6			
	0.33	6.7	270	6			
	0.42	4.5	270	6	5.20	0	18500
	0.50	4.5	270	6			
	0.58	2.7	315	6			
	0.67	1.3	270	6			
	0.75	0.4	270	6			
	0.83	0.4	225	6			
	0.92	0.4	225	6			
	1.00	1.8	360	6			
	1.08	1.8	360	6			
	1.17	0.9	360	6			
	1.25	0.9	360	6			
	1.33	0.9	360	6			
	1.42	0.4	315	6	1.85	0	18500

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
20-Mar-69	1.50	0.4	270	6			
	1.58	0.4	180	6			
	1.67	0.4	270	6			
	1.75	0.4	225	6			
	1.83	1.3	225	6			
	1.92	1.8	225	6			
	2.00	0.9	225	6			
	2.08	0.4	270	6			
	2.17	0.9	315	6			
	2.25	0.4	180	6			
	2.33	0.4	180	6			
	2.42	0.4	180	6	1.02	0	18500
	2.50	0.4	90	6			
	2.58	0.4	90	6			
	2.67	0.9	135	6			
	2.75	0.4	135	6			
	2.83	0.4	90	6			
	2.92	0.4	90	6			
	3.00	0.4	90	6			
	3.08	0.4	135	6			
	3.17	0.4	135	6			
	3.25	0.4	225	6			
	3.33	0.4	225	6			
	3.42	0.4	225	6	0.78	0	18500
	3.50	0.4	225	6			
	3.58	0.4	225	6			
	3.67	0.4	180	6			
	3.75	0.4	180	6			
	3.83	0.4	180	6			
	3.92	0.4	180	6			
	4.00	0.4	180	6			
	4.08	0.4	180	6			
	4.17	0.4	180	6			
	4.25	0.4	180	6			
	4.33	0.4	180	6			
	4.42	0.4	180	6	1.23	0	18500
	4.50	0.4	180	6			
	4.58	0.4	180	6			
	4.67	1.8	180	6			
	4.75	0.4	180	6			
4.83	0.4	180	6				
4.92	1.8	180	6				

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	5.00	0.4	225	6			
	5.08	0.4	180	6			
	5.17	0.9	135	6			
	5.25	0.4	180	6			
	5.33	0.4	180	6			
	5.42	0.4	135	6	0.86	0	18500
	5.50	0.4	135	6			
	5.58	0.4	180	6			
	5.67	0.4	135	6			
	5.75	0.4	135	6			
	5.83	0.4	225	6			
	5.92	0.4	225	6			
	6.00	0.4	135	6			
	6.08	0.4	180	6			
	6.17	0.4	315	6			
	6.25	0.4	360	6			
	6.33	0.4	315	6			
	6.42	0.4	90	3	0.78	0	18500
	6.50	0.4	90	3			
20-Mar-69	6.58	0.4	135	3			
	6.67	0.4	135	3			
	6.75	0.4	45	3			
	6.83	0.4	90	3			
	6.92	0.4	90	3			
	7.00	0.4	90	3			
	7.08	0.4	90	3			
	7.17	0.4	45	3			
	7.25	0.4	90	3			
	7.33	0.9	90	3			
	7.42	1.3	90	2	2.28	0	18500
	7.50	1.8	45	2			
	7.58	1.8	45	2			
	7.67	1.3	45	2			
	7.75	1.8	45	2			
	7.83	1.8	45	2			
	7.92	1.8	45	2			
07-Apr-69	8.00	13	270	4			
	8.08	17	270	4			
	8.17	17	270	4			
	8.25	14	270	4			
	8.33	13	270	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		Ceiling height (ft)
					wind speed (knots)	Cloud cover (tenths)	
07-Apr-69	8.42	9	270	4	24.14	0.3	12000
	8.50	12	270	4			
	8.58	13	270	4			
	8.67	12	270	4			
	8.75	10	270	4			
	8.83	10	270	4			
	8.92	9	270	4			
	9.00	9	270	4			
	9.08	7	270	4			
	9.17	7	270	4			
	9.25	7	270	4			
	9.33	11	225	4			
	9.42	10	270	4	18.30	0.3	12000
	9.50	11	270	4			
	9.58	8	270	4			
	9.67	10	270	4			
	9.75	10	270	4			
	9.83	11	270	4			
	9.92	12	270	4			
	10.00	9	270	4			
	10.08	13	270	4			
	10.17	12	270	4			
	10.25	9	270	4			
	10.33	12	270	4			
	10.42	11	270	4	22.19	0.3	6000
	10.50	11	270	4			
	10.58	13	270	4			
	10.67	13	270	4			
	10.75	12	225	4			
	10.83	13	270	4			
	10.92	9	270	4			
	11.00	13	270	4			
	11.08	13	270	4			
	11.17	10	270	4			
	11.25	13	270	4			
	11.33	11	225	4			
	11.42	12	225	4	24.62	0.3	6000
	11.50	12	270	4			
	11.58	16	225	4			
	11.67	13	225	4			
	11.75	13	225	4			
	11.83	13	270	4			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	11.92	13	225	4			
	12.00	13	225	4			
	12.08	14	225	4			
	12.17	15	270	4			
	12.25	15	270	4			
	12.33	13	270	4			
	12.42	11	270	4	26.24	0.3	6000
	12.50	11	270	4			
	12.58	14	270	4			
	12.67	15	270	4			
	12.75	12	270	4			
	12.83	13	270	4			
	12.92	16	270	4			
	13.00	15	270	4			
	13.08	10	270	4			
	13.17	11	270	4			
	13.25	12	270	4			
	13.33	14	270	4			
	13.42	9	270	4	20.41	0.3	6000
	13.50	9	225	4			
	13.58	12	270	4			
	13.67	9	225	4			
	13.75	8	225	4			
	13.83	4	225	4			
	13.92	13	225	4			
	14.00	10	225	4			
	14.08	12	225	4			
	14.17	20	225	4			
	14.25	10	225	4			
	14.33	11	270	4			
	14.42	11	270	4	26.57	0.3	6000
	14.50	17	270	4			
	14.58	13	225	4			
	14.67	13	270	4			
	14.75	13	270	4			
	14.83	16	270	4			
	14.92	18	270	4			
	15.00	10	225	4			
	15.08	11	270	4			
	15.17	9	270	4			
	15.25	12	270	4			
	15.33	16	225	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		Ceiling height (ft)	
					wind speed (knots)	Cloud cover (tenths)		
07-Apr-69	15.42	15	225	4	26.73	0.3	18500	
	15.50	14	225	4				
	15.58	15	225	4				
	15.67	15	225	4				
	15.75	16	225	4				
	15.83	16	225	4				
	15.92	16	225	4				
	16.00	14	225	4				
	16.08	16	225	4				
	16.17	17	225	4				
	16.25	13	225	4				
	16.33	19	225	4				
	16.42	16	225	4		30.13	0.3	6000
	16.50	15	225	4				
	16.58	17	225	4				
	16.67	15	225	4				
	16.75	13	225	4				
	16.83	13	225	4				
	16.92	18	270	4				
	17.00	16	225	4				
	17.08	13	225	4				
	17.17	18	225	4				
	17.25	16	225	4				
	17.33	19	225	4				
	17.42	13	270	4		32.07	0.3	6000
	17.50	19	225	4				
	17.58	15	270	4				
	17.67	16	270	4				
	17.75	18	225	4				
	17.83	16	225	4				
	17.92	19	270	4				
	18.00	19	270	4				
	18.08	17	270	4				
	18.17	13	225	4				
	18.25	13	225	4				
	18.33	16	225	4				
18.42	13	225	4		27.54	0.3	3500	
18.50	13	225	4					
18.58	15	225	4					
18.67	16	270	4					
18.75	10	270	4					
18.83	12	270	4					

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	18.92	13	225	4			
	19.00	13	270	5			
	19.08	11	270	5			
	19.17	10	270	5			
	19.25	13	270	5			
	19.33	15	270	5			
	19.42	13	270	5	23.16	0.3	9000
	19.50	11	270	5			
	19.58	13	270	5			
	19.67	11	270	5			
	19.75	8	270	5			
	19.83	12	270	5			
	19.92	13	270	5			
	20.00	12	270	5			
	20.08	10	270	5			
	20.17	11	270	5			
	20.25	13	270	5			
	20.33	14	270	5			
	20.42	15	270	5	23.81	0	18500
	20.50	16	270	5			
	20.58	9	315	5			
	20.67	12	270	5			
	20.75	12	270	5			
	20.83	13	270	5			
	20.92	10	270	5			
07-Apr-69	21.00	13	270	5			
	21.08	11	270	5			
	21.17	11	270	5			
	21.25	13	270	5			
	21.33	13	270	5			
	21.42	10	270	5	25.11	0	18500
	21.50	15	270	5			
	21.58	17	270	5			
	21.67	14	270	5			
	21.75	10	270	5			
	21.83	16	270	5			
	21.92	12	270	5			
	22.00	14	270	4			
	22.08	14	225	4			
	22.17	13	225	4			
	22.25	17	270	4			
	22.33	14	225	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		Ceiling height (ft)
					wind speed (knots)	Cloud cover (tenths)	
	22.42	17	225	4	30.13	0	18500
	22.50	18	225	4			
	22.58	16	225	4			
	22.67	13	225	4			
	22.75	16	225	4			
	22.83	18	270	4			
	22.92	16	225	4			
	23.00	18	270	4			
	23.08	16	270	4			
	23.17	15	225	4			
	23.25	16	225	4			
	23.33	16	225	4			
	23.42	15	225	4	28.02	0	18500
	23.50	16	225	4			
	23.58	15	270	4			
	23.67	13	225	4			
	23.75	9	225	4			
	23.83	9	270	4			
	23.92	15	270	4			
08-Apr-69	0.00	9	270	4			
	0.08	9	225	4			
	0.17	9	270	4			
	0.25	8	270	4			
	0.33	4	270	4			
	0.42	8	270	4	16.52	0	18500
	0.50	7	270	4			
	0.58	10	270	4			
	0.67	11	270	4			
	0.75	12	270	4			
	0.83	8	270	4			
	0.92	7	270	4			
	1.00	9	270	4			
	1.08	4	315	4			
	1.17	7	315	4			
	1.25	3	270	4			
	1.33	4	270	4			
	1.42	4	270	4	13.45	0	18500
	1.50	6	315	4			
	1.58	7	315	4			
	1.67	8	315	4			
	1.75	9	270	4			
08-Apr-69	1.83	12	270	4			

Table J-1 (continued)

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		
					wind speed (knots)	Cloud cover (tenths)	Ceiling height (ft)
	1.92	10	270	4			
	2.00	11	270	4			
	2.08	9	270	4			
	2.17	8	270	4			
	2.25	10	270	4			
	2.33	11	270	4			
	2.42	4	270	4	20.41	0	18500
	2.50	7	270	4			
	2.58	7	270	4			
	2.67	11	270	4			
	2.75	16	270	4			
	2.83	18	270	4			
	2.92	14	270	4			
	3.00	14	225	4			
	3.08	13	225	4			
	3.17	13	225	4			
	3.25	13	225	4			
	3.33	9	270	4			
	3.42	14	270	4	21.22	0	18500
	3.50	11	270	4			
	3.58	11	225	4			
	3.67	10	225	4			
	3.75	8	225	4			
	3.83	7	225	4			
	3.92	8	225	4			
	4.00	7	225	4			
	4.08	8	225	4			
	4.17	8	225	4			
	4.25	9	225	4			
	4.33	8	225	4			
	4.42	9	225	4	13.12	0	18500
	4.50	9	225	4			
	4.58	4	225	4			
	4.67	7	225	4			
	4.75	5	225	4			
	4.83	4	225	4			
	4.92	3	225	4			
	5.00	1	225	4			
	5.08	7	270	4			
	5.17	9	270	4			
	5.25	9	270	4			
	5.33	11	270	4			

Date	Time (hour)	Wind speed (m s ⁻¹)	Wind direction (degrees)	Stability class	Hourly average		Ceiling height (ft)
					wind speed (knots)	Cloud cover (tenths)	
08-Apr-69	5.42	9	270	4	14.58	0.3	12000
	5.50	7	270	4			
	5.58	6	315	4			
	5.67	6	315	4			
	5.75	10	270	4			
	5.83	9	270	4			
	5.92	6	270	4			
	6.00	4	270	4			
	6.08	3	270	4			
	6.17	4	360	4			
	6.25	7	225	4			
	6.33	10	225	4			
	6.42	5	225	4	13.28	0.3	12000
	6.50	8	225	4			
	6.58	9	225	4			
	6.67	7	225	4			
	6.75	9	225	4			
	6.83	9	270	4			
	6.92	7	270	4			
	7.00	9	270	4			
	7.08	9	270	4			
	7.17	9	270	4			
	7.25	9	270	4			
	7.33	7	270	4			
	7.42	5	270	4	16.52	0.3	10000
	7.50	4	225	4			
	7.58	9	225	4			
	7.67	10	225	4			
	7.75	8	225	4			
	7.83	11	225	4			
	7.92	12	225	4			