

Station ID: 94822

RUN ID: ROCKFORD/GREATER ROCKFORD ARP

Year: 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981

Date Range: Jul 1 - Jul 31

Time Range: Midnight - 11 PM

Frequency Distribution
(Count)

Wind Direction (Blowing From) / Wind Speed (Knots)

	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	> 21	Total
N	37	209	217	106	5	2	576
NNE	39	156	190	124	4	0	513
NE	51	228	333	157	16	0	785
ENE	81	358	460	178	6	1	1084
E	59	236	243	98	0	0	636
ESE	59	208	194	50	1	0	512
SE	81	277	250	64	4	1	677
SSE	137	433	324	109	5	0	1008
S	227	1101	688	374	22	1	2413
SSW	106	464	522	354	36	0	1482
SW	70	264	396	331	26	0	1087
WSW	34	214	319	244	11	2	824
W	43	198	290	189	16	1	737
WNW	52	269	312	211	26	1	871
NW	42	293	358	182	11	0	886
NNW	45	247	274	132	7	0	705
Total	1163	5155	5370	2903	196	9	

Frequency of Calm Winds : 1372

Average Wind Speed : 7.78 Knots

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Year: 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981

Date Range: Jul 1 - Jul 31

Time Range: Midnight - 11 PM

Frequency Distribution
(Normalized)

Wind Direction (Blowing From) / Wind Speed (Knots)

	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	> 21	Total
N	0.002288	0.012927	0.013422	0.006556	0.000309	0.000124	0.035626
NNE	0.002412	0.009649	0.011752	0.007669	0.000247	0.000000	0.031729
NE	0.003154	0.014102	0.020596	0.009711	0.000990	0.000000	0.048553
ENE	0.005010	0.022143	0.028451	0.011009	0.000371	0.000062	0.067046
E	0.003649	0.014597	0.015030	0.006061	0.000000	0.000000	0.039337
ESE	0.003649	0.012865	0.011999	0.003093	0.000062	0.000000	0.031667
SE	0.005010	0.017133	0.015463	0.003958	0.000247	0.000062	0.041873
SSE	0.008474	0.026781	0.020040	0.006742	0.000309	0.000000	0.062345
S	0.014040	0.068097	0.042553	0.023132	0.001361	0.000062	0.149245
SSW	0.006556	0.028699	0.032286	0.021895	0.002227	0.000000	0.091663
SW	0.004330	0.016329	0.024493	0.020473	0.001608	0.000000	0.067232
WSW	0.002103	0.013236	0.019730	0.015092	0.000680	0.000124	0.050965
W	0.002660	0.012246	0.017937	0.011690	0.000990	0.000062	0.045584
WNW	0.003216	0.016638	0.019297	0.013050	0.001608	0.000062	0.053872
NW	0.002598	0.018122	0.022143	0.011257	0.000680	0.000000	0.054800
NNW	0.002783	0.015277	0.016947	0.008164	0.000433	0.000000	0.043605
Total	0.071932	0.318840	0.332138	0.179552	0.012123	0.000557	

Frequency of Calm Winds : 8.49%

Average Wind Speed : 7.78 Knots