

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: Aug 1 - Aug 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	62	246	248	113	4	1	674
NNE	47	159	254	122	5	1	588
NE	66	293	292	142	4	0	797
ENE	86	376	410	148	3	0	1023
E	64	209	309	65	1	0	648
ESE	77	202	225	52	0	0	556
SE	90	290	222	63	0	0	665
SSE	156	505	322	160	3	0	1146
S	347	1305	821	452	32	3	2960
SSW	103	535	530	356	26	0	1550
SW	57	277	318	256	14	1	923
WSW	50	210	272	176	18	0	726
W	39	171	244	119	9	1	583
WNW	63	282	292	212	16	1	866
NW	49	316	335	163	22	0	885
NNW	51	263	291	133	5	1	744
Total	1407	5639	5385	2732	162	9	

Frequency of Calm Winds : 1513

Average Wind Speed : 7.52 Knots

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: Aug 1 - Aug 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	0.003680	0.014602	0.014721	0.006707	0.000237	0.000059	0.040007
NNE	0.002790	0.009438	0.015077	0.007242	0.000297	0.000059	0.034902
NE	0.003918	0.017392	0.017332	0.008429	0.000237	0.000000	0.047308
ENE	0.005105	0.022319	0.024337	0.008785	0.000178	0.000000	0.060723
E	0.003799	0.012406	0.018342	0.003858	0.000059	0.000000	0.038464
ESE	0.004571	0.011990	0.013355	0.003087	0.000000	0.000000	0.033003
SE	0.005342	0.017214	0.013177	0.003740	0.000000	0.000000	0.039473
SSE	0.009260	0.029976	0.019113	0.009497	0.000178	0.000000	0.068024
S	0.020597	0.077462	0.048733	0.026830	0.001899	0.000178	0.175699
SSW	0.006114	0.031756	0.031460	0.021131	0.001543	0.000000	0.092005
SW	0.003383	0.016442	0.018876	0.015196	0.000831	0.000059	0.054787
WSW	0.002968	0.012465	0.016145	0.010447	0.001068	0.000000	0.043094
W	0.002315	0.010150	0.014483	0.007064	0.000534	0.000059	0.034606
WNW	0.003740	0.016739	0.017332	0.012584	0.000950	0.000059	0.051404
NW	0.002909	0.018757	0.019885	0.009675	0.001306	0.000000	0.052532
NNW	0.003027	0.015611	0.017273	0.007895	0.000297	0.000059	0.044162
Total	0.083516	0.334718	0.319641	0.162165	0.009616	0.000534	

Frequency of Calm Winds : 8.98%

Average Wind Speed : 7.52 Knots