

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: Dec 1 - Dec 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	24	126	263	295	33	3	744
NNE	17	118	218	208	34	5	600
NE	25	139	213	133	24	2	536
ENE	34	196	246	158	40	15	689
E	32	121	145	110	23	1	432
ESE	30	101	135	99	10	5	380
SE	42	172	258	178	24	2	676
SSE	83	329	312	226	27	2	979
S	97	604	749	566	80	8	2104
SSW	52	288	448	408	71	11	1278
SW	45	211	315	255	32	14	872
WSW	27	128	302	253	37	11	758
W	25	145	356	417	83	10	1036
WNW	32	316	721	931	265	33	2298
NW	43	370	744	649	112	13	1931
NNW	23	199	352	307	33	6	920
Total	631	3563	5777	5193	928	141	

Frequency of Calm Winds : 627

Average Wind Speed : 9.74 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: Dec 1 - Dec 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	0.001423	0.007473	0.015599	0.017497	0.001957	0.000178	0.044128
NNE	0.001008	0.006999	0.012930	0.012337	0.002017	0.000297	0.035587
NE	0.001483	0.008244	0.012633	0.007888	0.001423	0.000119	0.031791
ENE	0.002017	0.011625	0.014591	0.009371	0.002372	0.000890	0.040866
E	0.001898	0.007177	0.008600	0.006524	0.001364	0.000059	0.025623
ESE	0.001779	0.005991	0.008007	0.005872	0.000593	0.000297	0.022539
SE	0.002491	0.010202	0.015302	0.010558	0.001423	0.000119	0.040095
SSE	0.004923	0.019514	0.018505	0.013405	0.001601	0.000119	0.058066
S	0.005753	0.035824	0.044425	0.033571	0.004745	0.000474	0.124792
SSW	0.003084	0.017082	0.026572	0.024199	0.004211	0.000652	0.075801
SW	0.002669	0.012515	0.018683	0.015125	0.001898	0.000830	0.051720
WSW	0.001601	0.007592	0.017912	0.015006	0.002195	0.000652	0.044958
W	0.001483	0.008600	0.021115	0.024733	0.004923	0.000593	0.061447
WNW	0.001898	0.018743	0.042764	0.055219	0.015718	0.001957	0.136299
NW	0.002550	0.021945	0.044128	0.038493	0.006643	0.000771	0.114531
NNW	0.001364	0.011803	0.020878	0.018209	0.001957	0.000356	0.054567
Total	0.037426	0.211329	0.342645	0.308007	0.055042	0.008363	

Frequency of Calm Winds : 3.72%

Average Wind Speed : 9.74 Knots