

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: Oct 1 - Oct 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	29	162	307	191	7	0	696
NNE	20	122	233	203	20	0	598
NE	35	154	182	177	25	0	573
ENE	56	233	340	226	8	0	863
E	44	146	227	87	5	1	510
ESE	50	118	163	61	4	1	397
SE	76	231	263	119	9	0	698
SSE	151	477	388	302	34	2	1354
S	171	983	811	669	122	11	2767
SSW	63	282	395	485	98	10	1333
SW	40	172	282	352	83	12	941
WSW	32	125	255	270	45	4	731
W	18	131	246	262	46	5	708
WNW	38	234	464	496	133	23	1388
NW	34	303	463	425	78	11	1314
NNW	32	246	278	202	14	0	772
Total	889	4119	5297	4527	731	80	

Frequency of Calm Winds : 1221

Average Wind Speed : 9.15 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: Oct 1 - Oct 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	0.001720	0.009606	0.018204	0.011326	0.000415	0.000000	0.041271
NNE	0.001186	0.007234	0.013816	0.012037	0.001186	0.000000	0.035460
NE	0.002075	0.009132	0.010792	0.010496	0.001482	0.000000	0.033978
ENE	0.003321	0.013816	0.020161	0.013401	0.000474	0.000000	0.051174
E	0.002609	0.008657	0.013461	0.005159	0.000296	0.000059	0.030242
ESE	0.002965	0.006997	0.009666	0.003617	0.000237	0.000059	0.023541
SE	0.004507	0.013698	0.015595	0.007056	0.000534	0.000000	0.041390
SSE	0.008954	0.028285	0.023008	0.017908	0.002016	0.000119	0.080289
S	0.010140	0.058290	0.048091	0.039670	0.007234	0.000652	0.164077
SSW	0.003736	0.016722	0.023423	0.028759	0.005811	0.000593	0.079044
SW	0.002372	0.010199	0.016722	0.020873	0.004922	0.000712	0.055799
WSW	0.001898	0.007412	0.015121	0.016010	0.002668	0.000237	0.043347
W	0.001067	0.007768	0.014587	0.015536	0.002728	0.000296	0.041983
WNW	0.002253	0.013876	0.027514	0.029412	0.007887	0.001364	0.082306
NW	0.002016	0.017967	0.027455	0.025202	0.004625	0.000652	0.077917
NNW	0.001898	0.014587	0.016485	0.011978	0.000830	0.000000	0.045778
Total	0.052716	0.244248	0.314101	0.268442	0.043347	0.004744	

Frequency of Calm Winds : 7.24%

Average Wind Speed : 9.15 Knots