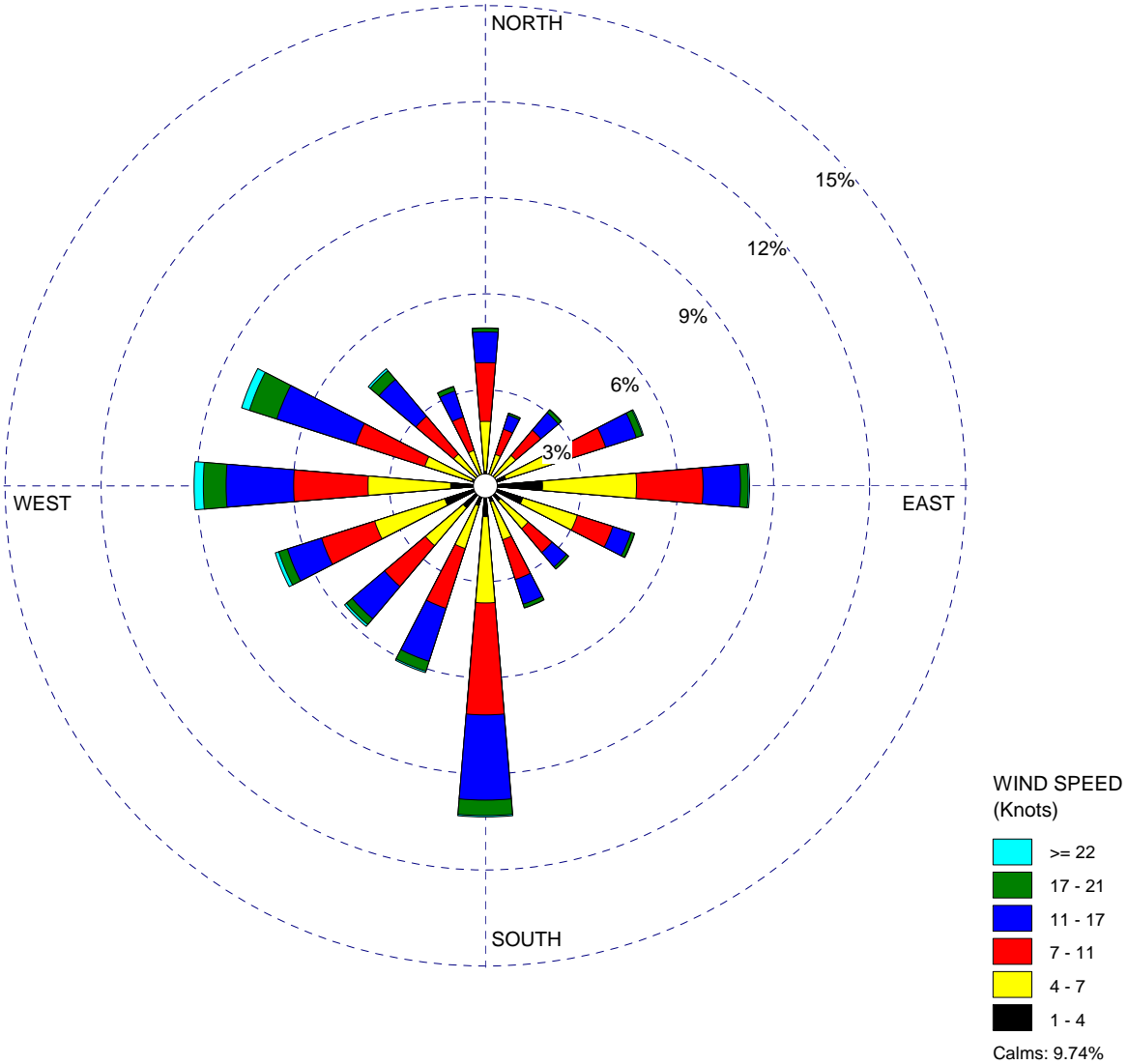


WIND ROSE PLOT:

Station #14923 - MOLINE/QUAD-CITY ARPT, IL

DISPLAY:

**Wind Speed
Direction (blowing from)**



COMMENTS:

DATA PERIOD:

**1971 - 2000
Jan 1 - Dec 31
00:00 - 23:00**

COMPANY NAME:

Midwestern Regional Climate Center

CALM WINDS:

9.74%

TOTAL COUNT:

249740 hrs.

AVG. WIND SPEED:

8.23 Knots

DATE GENERATED:

7/28/2005

Station ID: 14923
 Year: 1971 - 2000
 Date Range: Jan 1 - Dec 31
 Time Range: 00:00 - 23:00

Run ID: MOLINE/QUAD-CITY ARPT

Frequency Distribution
 (Count)

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

	1 - 4	4 - 7	7 - 11	11 - 17	17 - 21	>= 22	Total
N	1137	3887	4563	2397	275	37	12296
NNE	594	1974	2053	1158	145	19	5943
NE	791	2310	2564	1783	289	35	7772
ENE	1679	3976	4175	2500	503	77	12910
E	4445	7318	5165	2916	611	102	20557
ESE	3076	4452	2889	1499	263	34	12213
SE	1536	2843	2420	1479	195	22	8495
SSE	1324	3100	3238	2025	286	33	10006
S	2403	6712	8703	6648	1194	104	25764
SSW	1636	3497	4888	4335	797	118	15271
SW	2252	3851	4166	3297	594	190	14350
WSW	3303	5746	4326	2799	701	291	17166
W	2706	6423	5788	5255	1771	723	22666
WNW	1091	3858	5641	6450	2231	650	19921
NW	651	2578	3849	3758	911	189	11936
NNW	671	2217	2732	2127	352	39	8138
Total	29295	64742	67160	50426	11118	2663	249740

Frequency of Calm Winds: 24336
 Average Wind Speed: 8.23 Knots

Station ID: 14923
 Year: 1971 - 2000
 Date Range: Jan 1 - Dec 31
 Time Range: 00:00 - 23:00

Run ID: MOLINE/QUAD-CITY ARPT

Frequency Distribution
 (Normalized)

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

	1 - 4	4 - 7	7 - 11	11 - 17	17 - 21	>= 22	Total
N	0.004553	0.015564	0.018271	0.009598	0.001101	0.000148	0.049235
NNE	0.002378	0.007904	0.008221	0.004637	0.000581	0.000076	0.023797
NE	0.003167	0.009250	0.010267	0.007139	0.001157	0.000140	0.031120
ENE	0.006723	0.015921	0.016717	0.010010	0.002014	0.000308	0.051694
E	0.017799	0.029302	0.020682	0.011676	0.002447	0.000408	0.082314
ESE	0.012317	0.017827	0.011568	0.006002	0.001053	0.000136	0.048903
SE	0.006150	0.011384	0.009690	0.005922	0.000781	0.000088	0.034015
SSE	0.005302	0.012413	0.012965	0.008108	0.001145	0.000132	0.040066
S	0.009622	0.026876	0.034848	0.026620	0.004781	0.000416	0.103163
SSW	0.006551	0.014003	0.019572	0.017358	0.003191	0.000472	0.061148
SW	0.009017	0.015420	0.016681	0.013202	0.002378	0.000761	0.057460
WSW	0.013226	0.023008	0.017322	0.011208	0.002807	0.001165	0.068735
W	0.010835	0.025719	0.023176	0.021042	0.007091	0.002895	0.090758
WNW	0.004369	0.015448	0.022587	0.025827	0.008933	0.002603	0.079767
NW	0.002607	0.010323	0.015412	0.015048	0.003648	0.000757	0.047794
NNW	0.002687	0.008877	0.010939	0.008517	0.001409	0.000156	0.032586
Total	0.117302	0.259238	0.268920	0.201914	0.044518	0.010663	0.902555

Frequency of Calm Winds: 9.74%
 Average Wind Speed: 8.23 Knots

Wind Class Frequency Distribution

