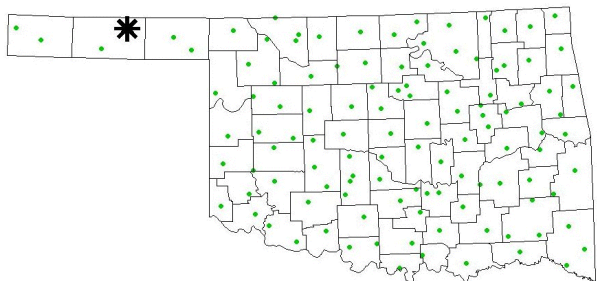


Wind Climatology Hooker Mesonet Station Station ID: HOOK



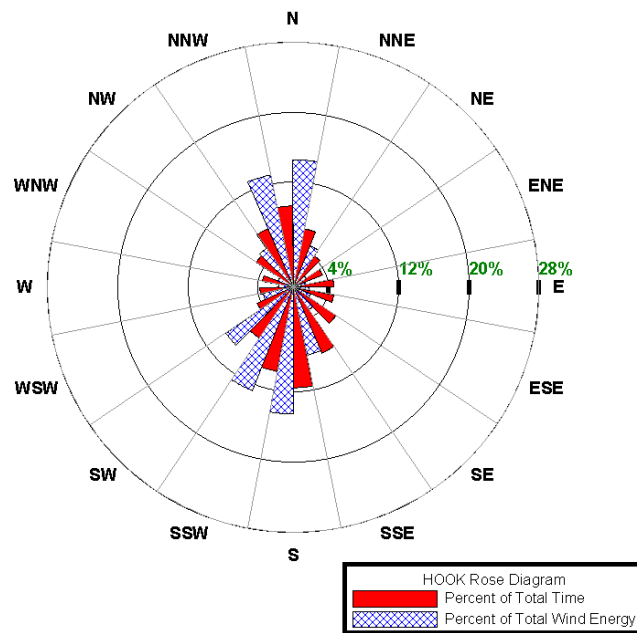
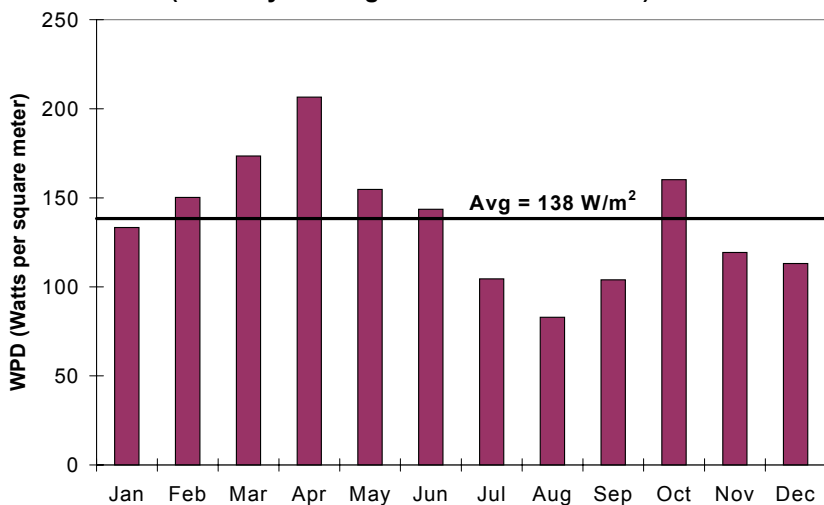
Class 2 Site (January '94 – December '00)
Average 10 m Wind Speed = 4.98 m/s (11.1 mph)
Average 10 m Power Density = 138 W/m²



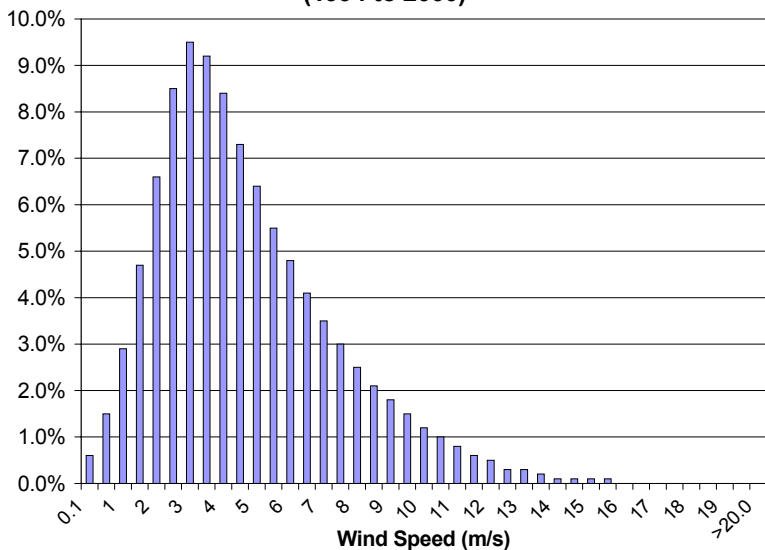
Site Conditions: The station's fetch conditions are rated "good". The terrain exposure at the site is -6 meters to the north and +11 meters to the south.

Other Wind Statistics: The five-minute averages for ten-meter wind speeds exceeded 9 m/s (20.1 mph) approximately 8.6% of the time, while winds were less than 4.5 m/s (10.1 mph) approximately 51.9% of the time.

**Monthly Wind Power Density at 10 m
(Monthly Averages over 1994 to 2000)**



**Frequency Distribution of Winds
(1994 to 2000)**



**Annual Wind Power Density at 10 m
(1994 to 2000)**

