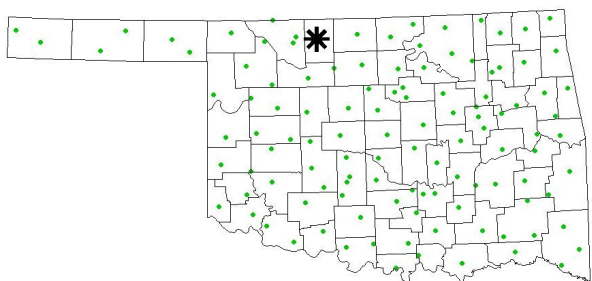


Wind Climatology Cherokee Mesonet Site Station ID: CHER



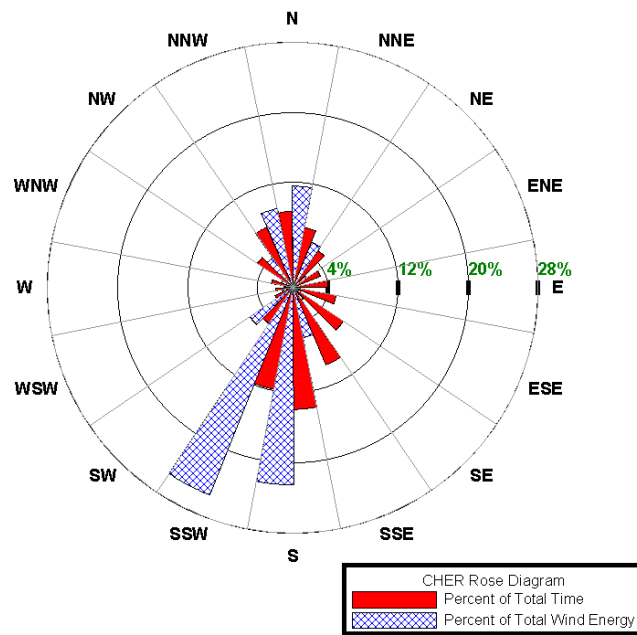
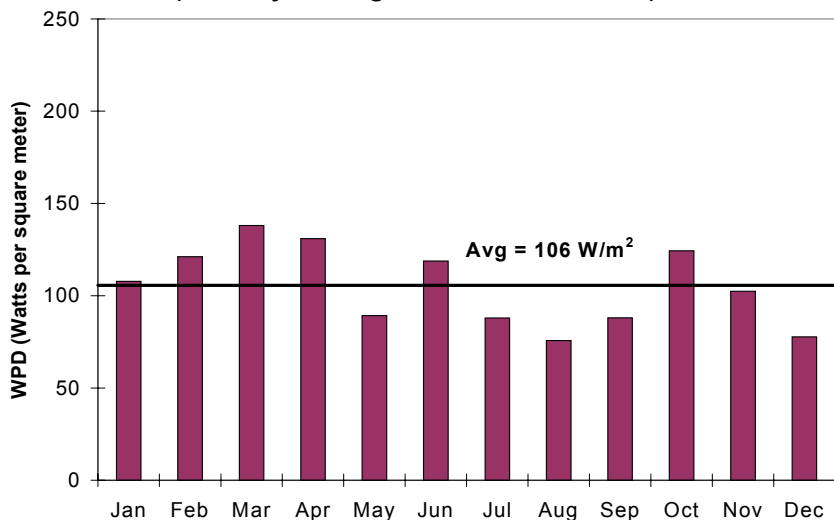
Class 2 Site (January '94 – December '00)
Average 10 m Wind Speed = 4.17 m/s (9.3 mph)
Average 10 m Power Density = 106 W/m²



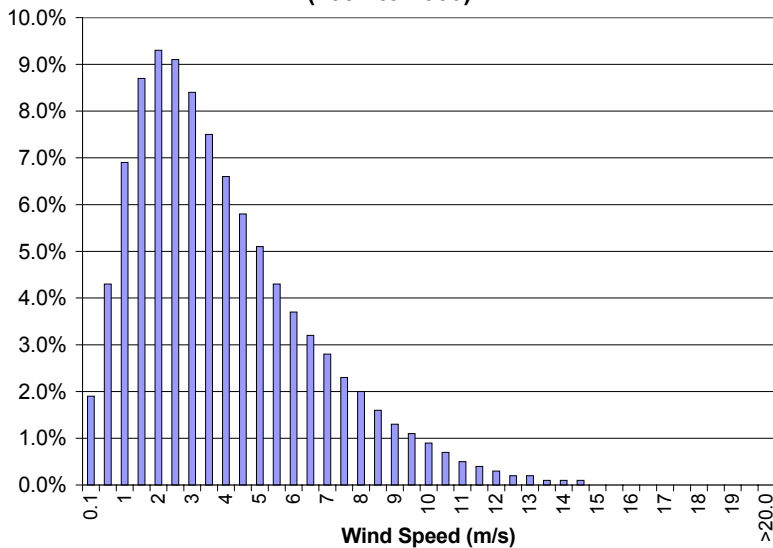
Site Conditions: The station's fetch conditions are rated "good". The terrain exposure at the site is -1 meter to the north and -9 meters to the south.

Other Wind Statistics: The five-minute averages for ten-meter wind speeds exceeded 9.0 m/s (20.1 mph) approximately 5.9% of the time, while winds were less than 4.5 m/s (10.1 mph) approximately 62.7% 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)**

