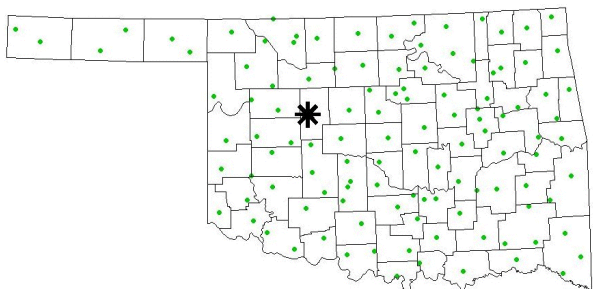


Wind Climatology Watonga Mesonet Station Station ID: WATO

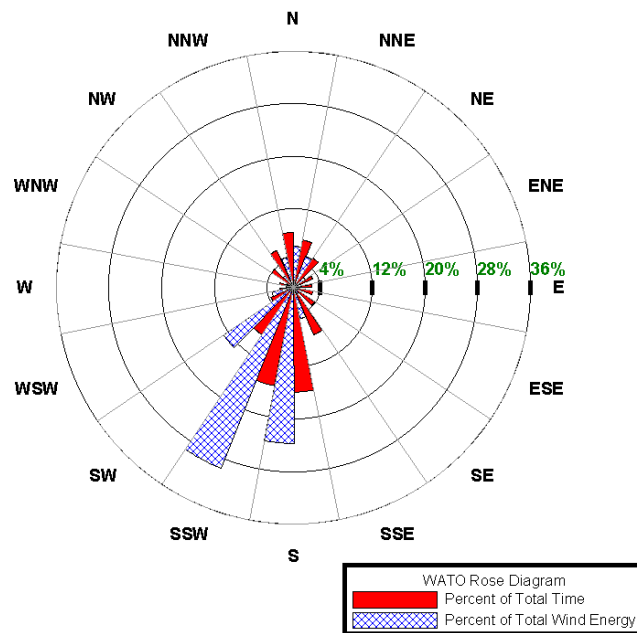
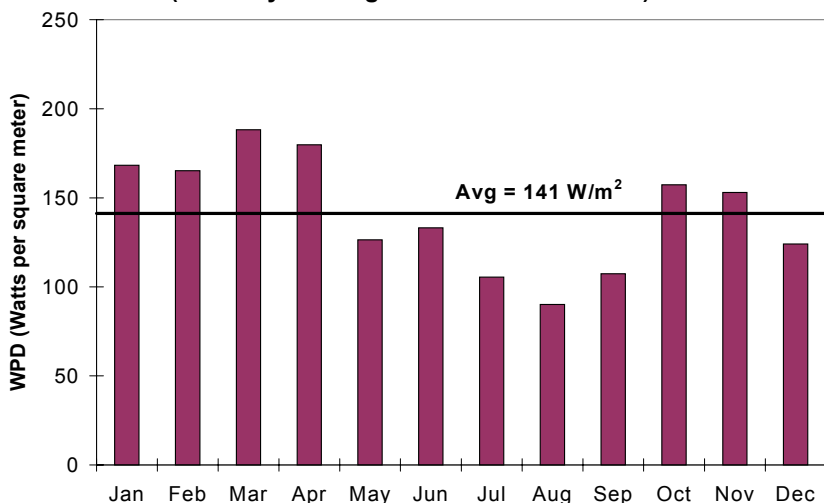
Class 2 Site (January '94 – December '00)
Average 10 m Wind Speed = 5.06 m/s (11.3 mph)
Average 10 m Power Density = 141 W/m²



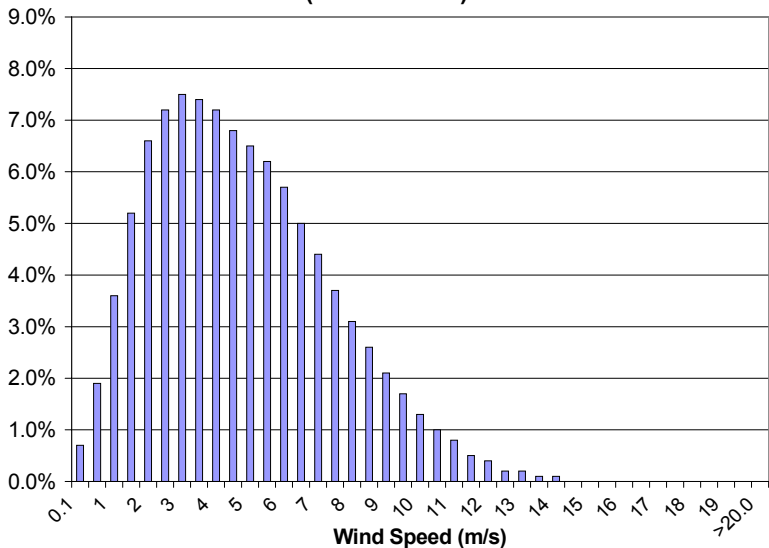
Site Conditions: The station's fetch conditions are rated "good". The terrain exposure at the site is +26 meters to the north and +1 meter to the south.

Other Wind Statistics: The five-minute averages for ten-meter wind speeds exceeded 9 m/s (20.1 mph) approximately 8.4% of the time, while winds were less than 4.5 m/s (10.1 mph) approximately 47.3% 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)**

