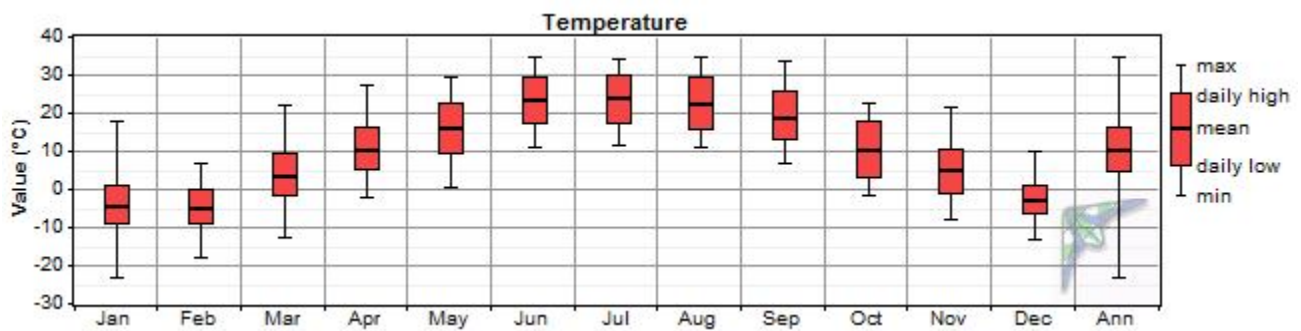


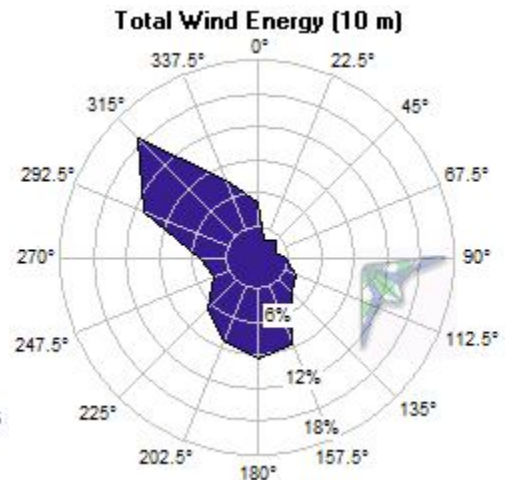
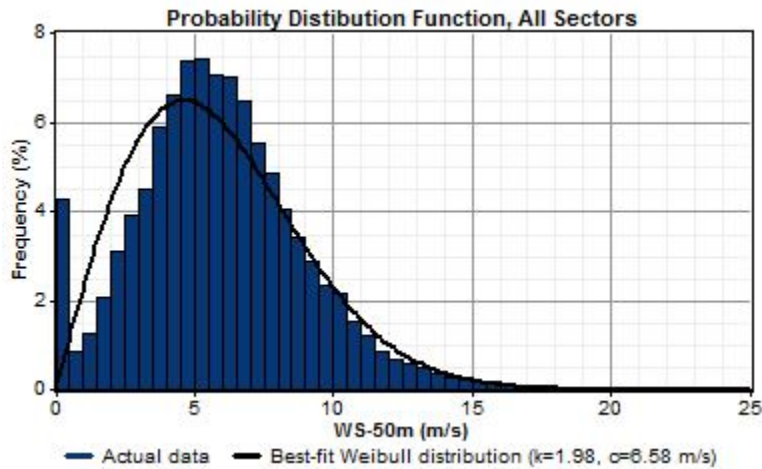
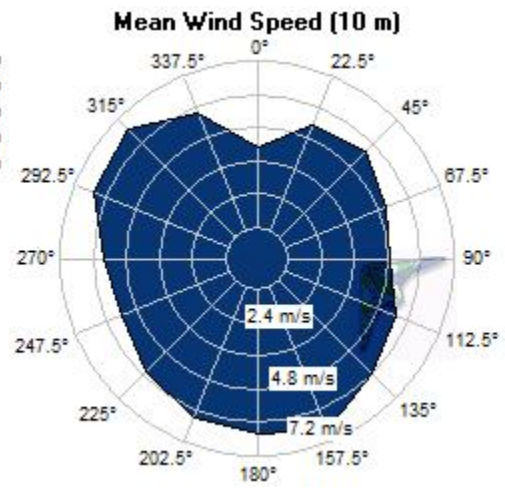
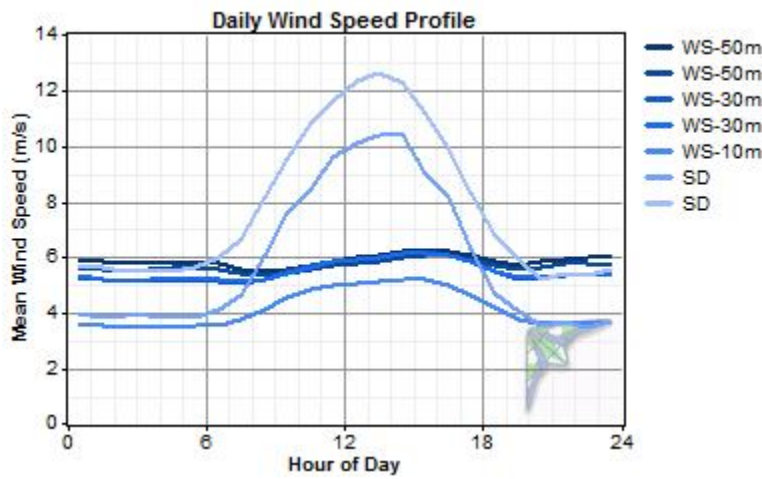
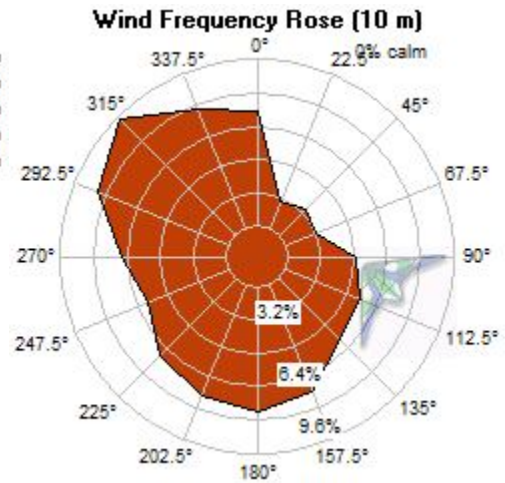
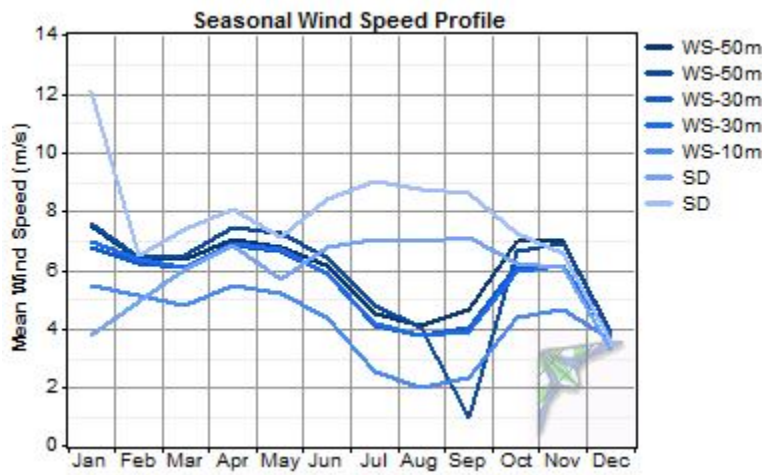
**Data Set Properties**

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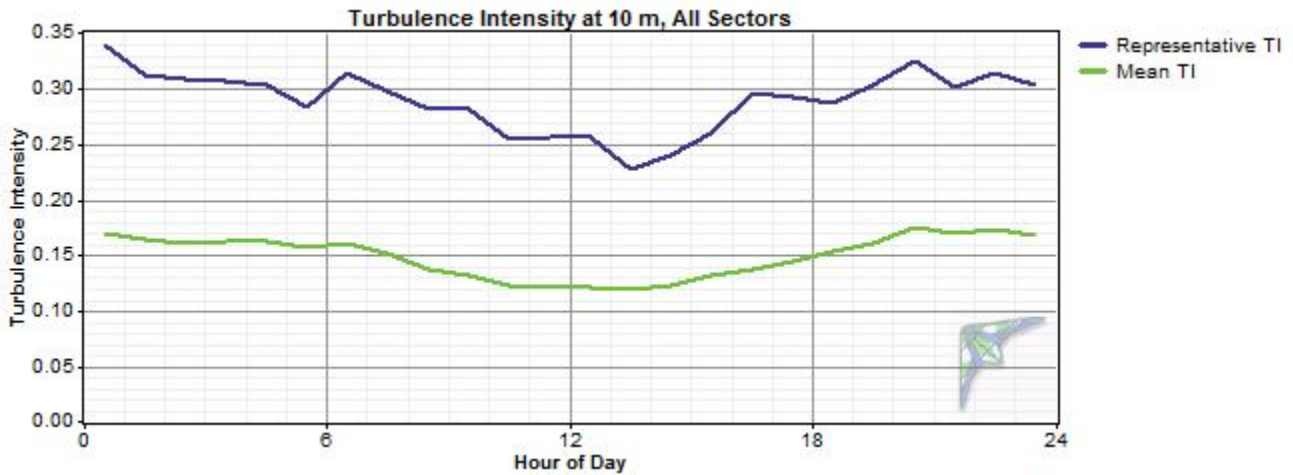
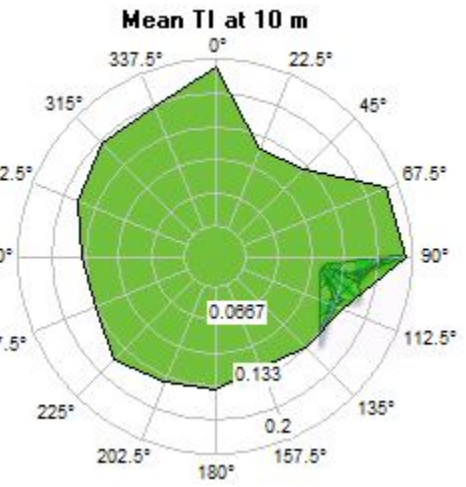
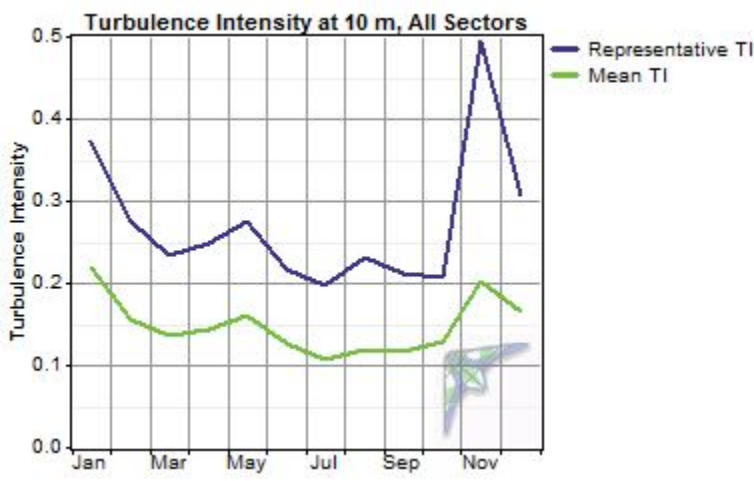
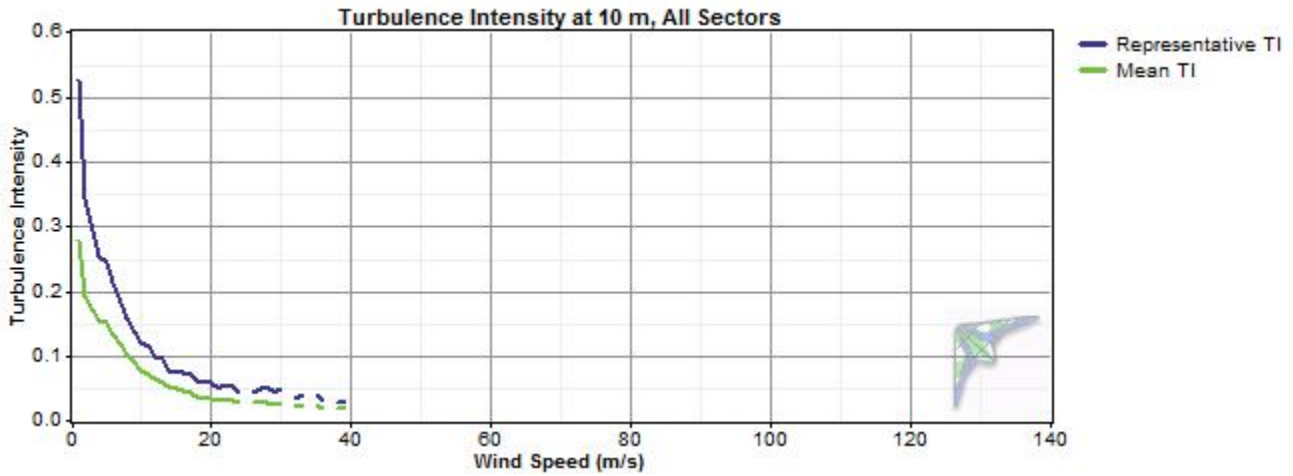
| Variables             | Values                      |
|-----------------------|-----------------------------|
| Latitude              | N 0° 0' 0.000" N40 50.018 " |
| Longitude             | E 0° 0' 0.000" W90 39.968 " |
| Elevation             | 0 m 747.84 ft               |
| Start date            | 10/20/2007 15:00            |
| End date              | 10/3/2008 12:50             |
| Duration              | 11 months                   |
| Length of time step   | 10 minutes                  |
| Calm threshold        | 0 m/s                       |
| Mean temperature      | 10.4 °C                     |
| Mean pressure         | 101.3 kPa                   |
| Mean air density      | 1.247 kg/m <sup>3</sup>     |
| Power density at 50m  | n/a                         |
| Wind power class      | n/a                         |
| Power law exponent    | 0.14                        |
| Surface roughness     | 0.01 m                      |
| Roughness class       | 0.78                        |
| Roughness description | Rough pasture               |



### Wind Speed and Direction



### Turbulence Intensity



### Data Column Properties

| Label  | Units | Height | Possible Records | Valid Records | Recovery Rate (%) | Mean  | Min    | Max   | Std. Dev |
|--------|-------|--------|------------------|---------------|-------------------|-------|--------|-------|----------|
| WS-50m | m/s   | 10 m   | 50,243           | 50,003        | 99.52             | 5.87  | 0.40   | 22.00 | 3.00     |
| SD     |       |        | 50,243           | 50,003        | 99.52             | 0.597 | 0.000  | 7.900 | 0.384    |
| WS-50m | m/s   | 10 m   | 50,243           | 50,003        | 99.52             | 5.68  | 0.40   | 22.00 | 3.39     |
| SD     |       |        | 50,243           | 50,003        | 99.52             | 0.573 | 0.000  | 7.600 | 0.425    |
| WS-30m | m/s   | 10 m   | 50,243           | 50,003        | 99.52             | 5.48  | 0.40   | 20.90 | 2.88     |
| SD     |       |        | 50,243           | 50,003        | 99.52             | 0.643 | 0.000  | 7.600 | 0.394    |
| WS-30m | m/s   | 10 m   | 50,243           | 50,003        | 99.52             | 5.50  | 0.40   | 20.80 | 2.85     |
| SD     |       |        | 50,243           | 50,003        | 99.52             | 0.633 | 0.000  | 7.600 | 0.398    |
| WS-10m | m/s   | 10 m   | 50,243           | 50,003        | 99.52             | 4.14  | 0.40   | 16.50 | 2.62     |
| SD     |       |        | 50,243           | 50,003        | 99.52             | 0.678 | 0.000  | 5.600 | 0.397    |
| WD-50m | °     | 10 m   | 50,243           | 50,003        | 99.52             | 202.3 | 0.0    | 359.0 | 100.4    |
| SD     | m/s   | 10 m   | 50,243           | 50,003        | 99.52             | 5.9   | 0.0    | 127.0 | 7.4      |
| WD-30m | °     | 10 m   | 50,243           | 50,003        | 99.52             | 203.4 | 0.0    | 359.0 | 99.8     |
| SD     | m/s   | 10 m   | 50,243           | 50,003        | 99.52             | 7.8   | 0.0    | 122.0 | 7.4      |
| Temp.  | °C    |        | 50,243           | 49,742        | 99.00             | 10.40 | -23.40 | 34.70 | 12.09    |
| SD     |       |        | 50,243           | 49,742        | 99.00             | 0.036 | 0.000  | 2.400 | 0.084    |