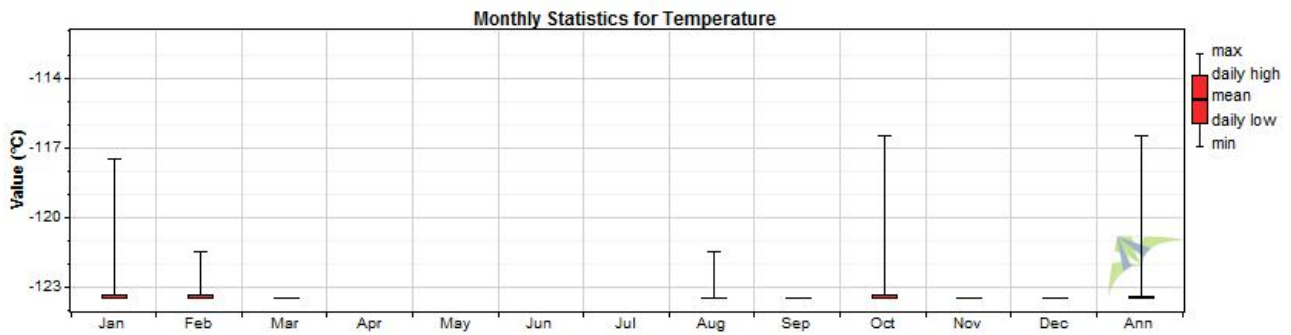


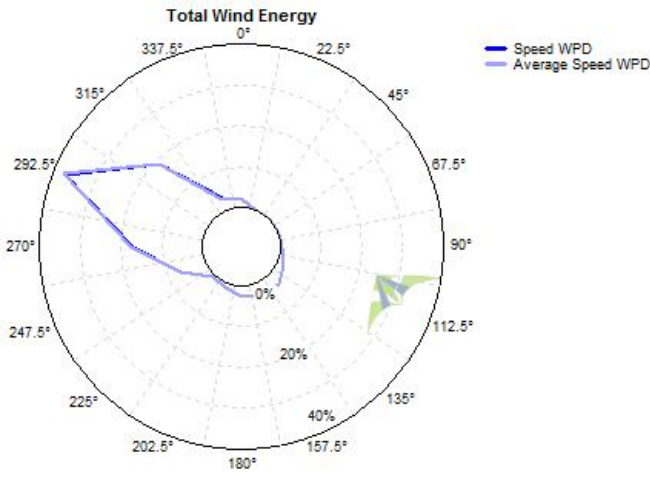
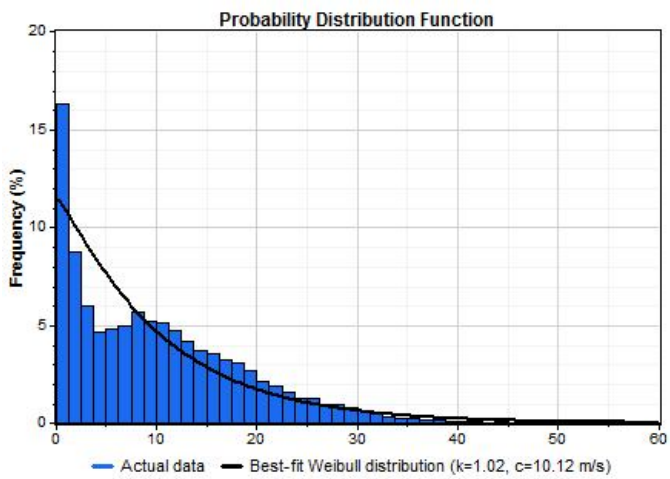
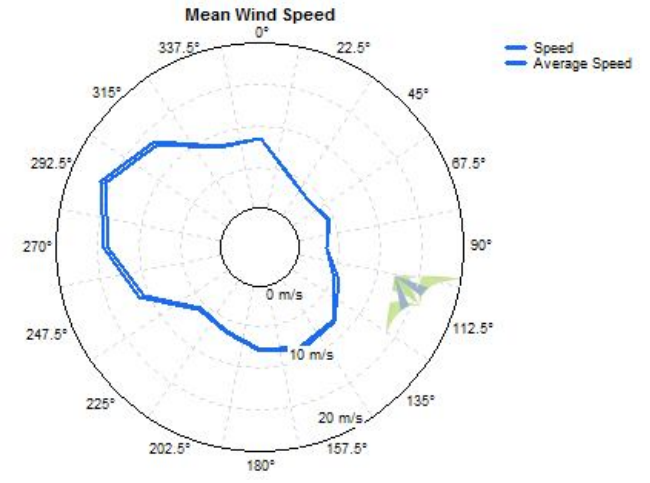
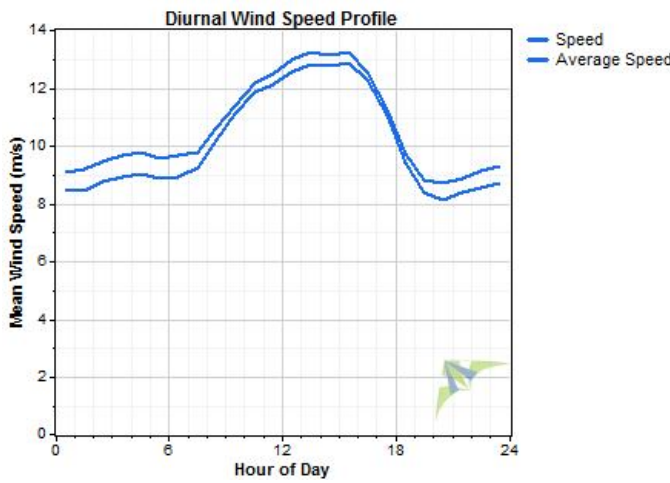
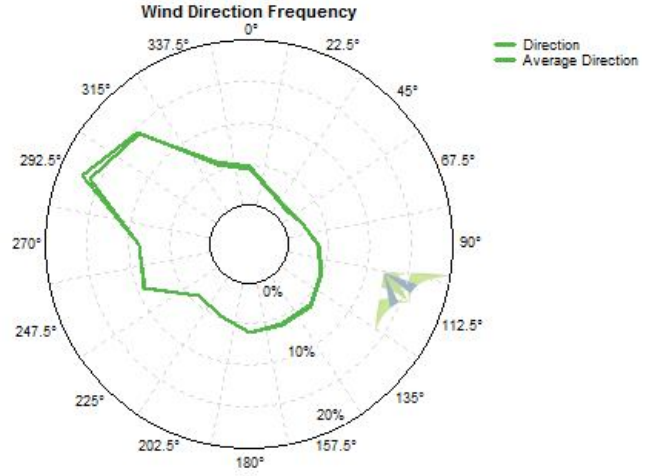
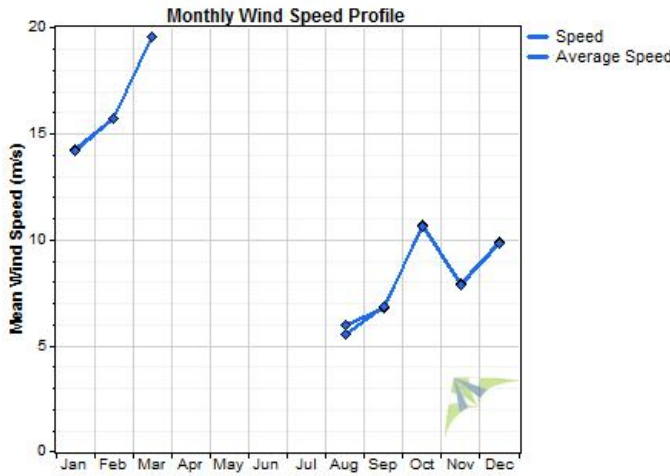
Data Set Properties

Report Created: 9/23/2016 09:33 using Windographer 3.3.11
 Filter Settings: <Unflagged data>

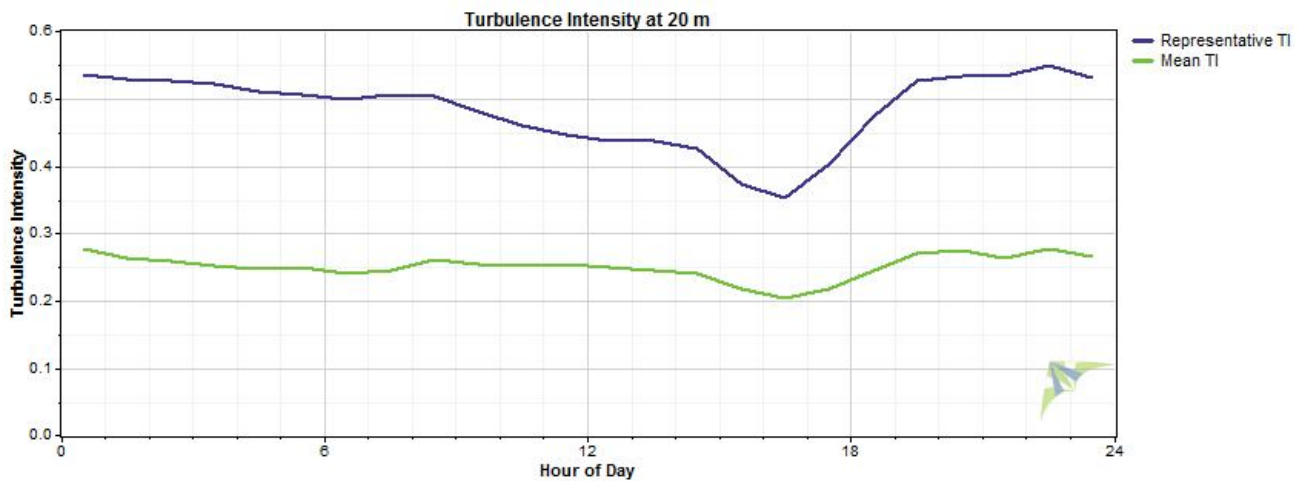
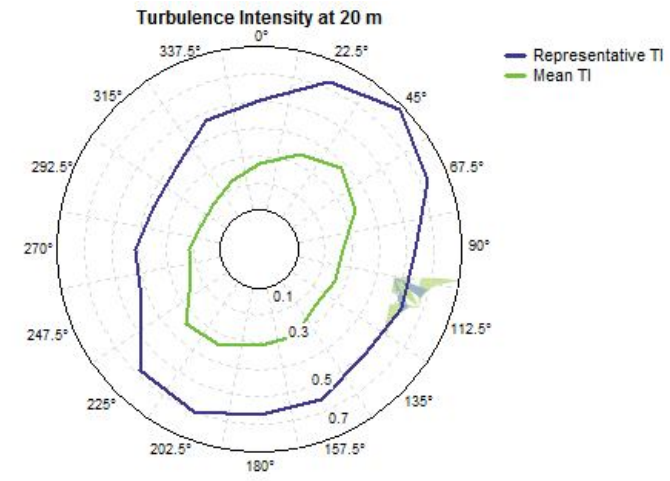
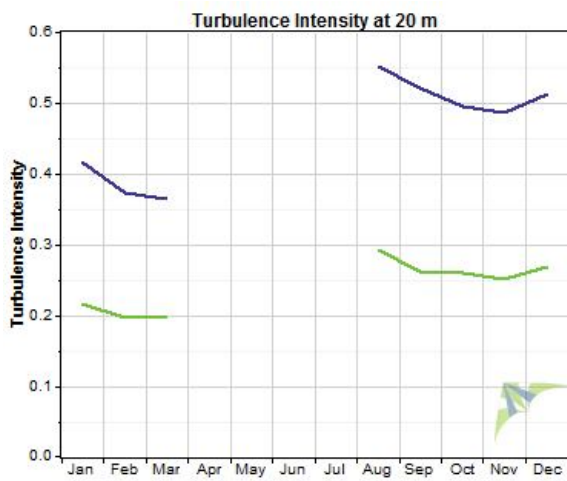
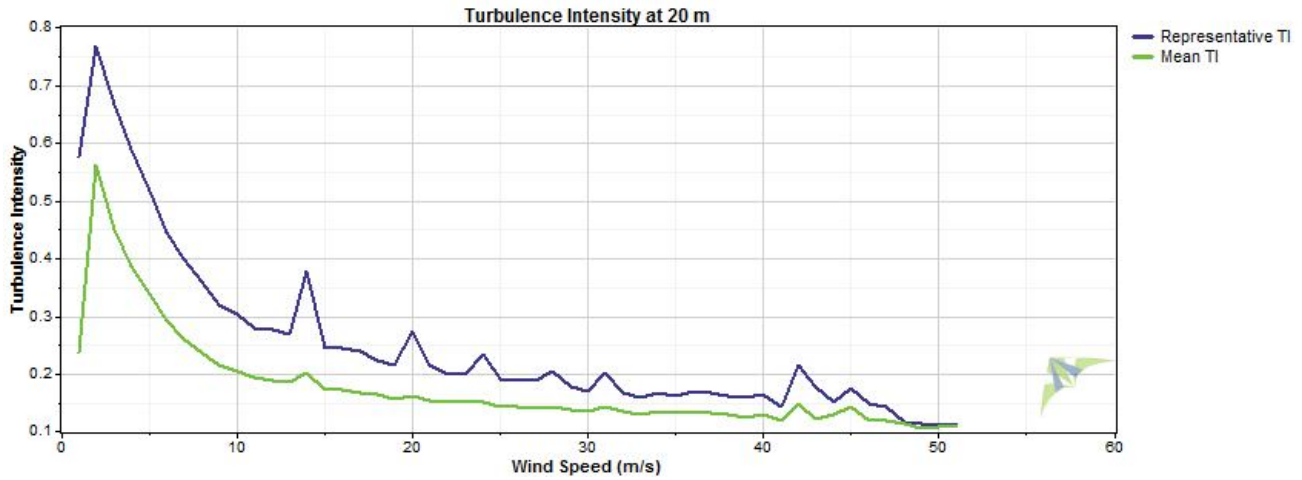
| Variable | Value |
|----------------------|-------------------------|
| Latitude | S 37.096000 |
| Longitude | W -81.369000 |
| Elevation | 3114 ft |
| Start date | 8/9/2006 14:20 |
| End date | 10/15/2007 12:20 |
| Duration | 14 months |
| Length of time step | 10 minutes |
| Calm threshold | 0 m/s |
| Mean temperature | -123 °C |
| Mean pressure | 90.27 kPa |
| Mean air density | 1.685 kg/m ³ |
| Power density at 50m | 4,061 W/m ² |
| Wind power class | 8 (Superb) |
| Power law exponent | 0.0113 |
| Surface roughness | 0 m |
| Roughness class | 0.00 |



Wind Speed and Direction



Turbulence Intensity



Data Column Properties

| # | Label | Units | Height | Possible Data Points | Valid Data Points | Recovery Rate (%) | Mean | Min | Max | Std. Dev |
|----|--------------------|-------|--------|----------------------|-------------------|-------------------|--------|--------|--------|----------|
| 1 | Speed | m/s | 20 m | 62,196 | 35,950 | 57.80 | 10.078 | 0.780 | 50.987 | 8.423 |
| 2 | Speed SD | m/s | 20 m | 62,196 | 35,950 | 57.80 | 1.938 | 0.000 | 13.634 | 1.373 |
| 3 | Direction | ° | 20 m | 62,196 | 35,950 | 57.80 | 283.4 | 0.0 | 338.0 | 96.9 |
| 4 | Temperature | °C | 20 m | 62,196 | 35,950 | 57.80 | -123.5 | -123.5 | -116.5 | 0.1 |
| 5 | Speed Max | mph | | 62,196 | 0 | 0.00 | | | | |
| 6 | Speed Min | mph | | 62,196 | 0 | 0.00 | | | | |
| 7 | CH2Avg | | | 62,196 | 0 | 0.00 | | | | |
| 8 | CH2SD | | | 62,196 | 0 | 0.00 | | | | |
| 9 | CH2Max | | | 62,196 | 0 | 0.00 | | | | |
| 10 | CH2Min | | | 62,196 | 0 | 0.00 | | | | |
| 11 | CH3Avg | | | 62,196 | 0 | 0.00 | | | | |
| 12 | CH3SD | | | 62,196 | 0 | 0.00 | | | | |
| 13 | CH3Max | | | 62,196 | 0 | 0.00 | | | | |
| 14 | CH3Min | | | 62,196 | 0 | 0.00 | | | | |
| 15 | CH4Avg | | | 62,196 | 0 | 0.00 | | | | |
| 16 | CH4SD | | | 62,196 | 0 | 0.00 | | | | |
| 17 | CH4Max | | | 62,196 | 0 | 0.00 | | | | |
| 18 | CH4Min | | | 62,196 | 0 | 0.00 | | | | |
| 19 | CH5Avg | | | 62,196 | 0 | 0.00 | | | | |
| 20 | CH5SD | | | 62,196 | 0 | 0.00 | | | | |
| 21 | CH5Max | | | 62,196 | 0 | 0.00 | | | | |
| 22 | CH5Min | | | 62,196 | 0 | 0.00 | | | | |
| 23 | CH6Avg | | | 62,196 | 0 | 0.00 | | | | |
| 24 | CH6SD | | | 62,196 | 0 | 0.00 | | | | |
| 25 | CH6Max | | | 62,196 | 0 | 0.00 | | | | |
| 26 | CH6Min | | | 62,196 | 0 | 0.00 | | | | |
| 27 | Direction SD | ° | | 62,196 | 0 | 0.00 | | | | |
| 28 | Direction Max | ° | | 62,196 | 0 | 0.00 | | | | |
| 29 | Direction Min | ° | | 62,196 | 0 | 0.00 | | | | |
| 30 | CH8Avg | | | 62,196 | 0 | 0.00 | | | | |
| 31 | CH8SD | | | 62,196 | 0 | 0.00 | | | | |
| 32 | CH8Max | | | 62,196 | 0 | 0.00 | | | | |
| 33 | CH8Min | | | 62,196 | 0 | 0.00 | | | | |
| 34 | Temperature SD | °C | | 62,196 | 0 | 0.00 | | | | |
| 35 | Temperature Max | °C | | 62,196 | 0 | 0.00 | | | | |
| 36 | Temperature Min | °C | | 62,196 | 0 | 0.00 | | | | |
| 37 | CH10Avg | | | 62,196 | 0 | 0.00 | | | | |
| 38 | CH10SD | | | 62,196 | 0 | 0.00 | | | | |
| 39 | CH10Max | | | 62,196 | 0 | 0.00 | | | | |
| 40 | CH10Min | | | 62,196 | 0 | 0.00 | | | | |
| 41 | CH11Avg | | | 62,196 | 0 | 0.00 | | | | |
| 42 | CH11SD | | | 62,196 | 0 | 0.00 | | | | |
| 43 | CH11Max | | | 62,196 | 0 | 0.00 | | | | |
| 44 | CH11Min | | | 62,196 | 0 | 0.00 | | | | |
| 45 | CH12Avg | | | 62,196 | 0 | 0.00 | | | | |
| 46 | CH12SD | | | 62,196 | 0 | 0.00 | | | | |
| 47 | CH12Max | | | 62,196 | 0 | 0.00 | | | | |
| 48 | CH12Min | | | 62,196 | 0 | 0.00 | | | | |
| 49 | Average Speed | m/s | 10 m | 62,196 | 31,074 | 49.96 | 10.580 | 0.000 | 51.000 | 8.766 |
| 50 | Standard Deviation | m/s | 10 m | 62,196 | 31,074 | 49.96 | 2.015 | 0.000 | 13.630 | 1.411 |
| 51 | Average Direction | ° | 10 m | 62,196 | 31,074 | 49.96 | 283.4 | 0.0 | 338.0 | 95.5 |
| 52 | Extra Channel | | | 62,196 | 31,074 | 49.96 | -123.5 | -123.5 | -116.5 | 0.1 |

| # | Label | Units | Height | Possible Data Points | Valid Data Points | Recovery Rate (%) | Mean | Min | Max | Std. Dev |
|----|-------------------|-------------------|--------|----------------------|-------------------|-------------------|-------|-------|---------|----------|
| 53 | Air Density | kg/m ³ | | 62,196 | 62,196 | 100.00 | 1.685 | 1.116 | 2.101 | 0.487 |
| 54 | Speed TI | | | 62,196 | 35,950 | 57.80 | 0.25 | 0.00 | 1.33 | 0.18 |
| 55 | Average Speed TI | | | 62,196 | 27,799 | 44.70 | 0.27 | 0.05 | 1.32 | 0.18 |
| 56 | Speed WPD | W/m ² | | 62,196 | 35,950 | 57.80 | 3,908 | 0 | 139,265 | 8,456 |
| 57 | Average Speed WPD | W/m ² | | 62,196 | 31,074 | 49.96 | 4,368 | 0 | 139,370 | 8,972 |