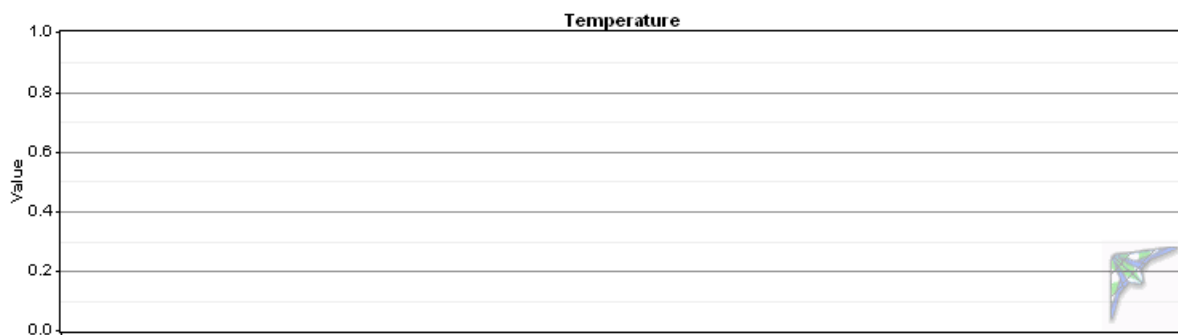


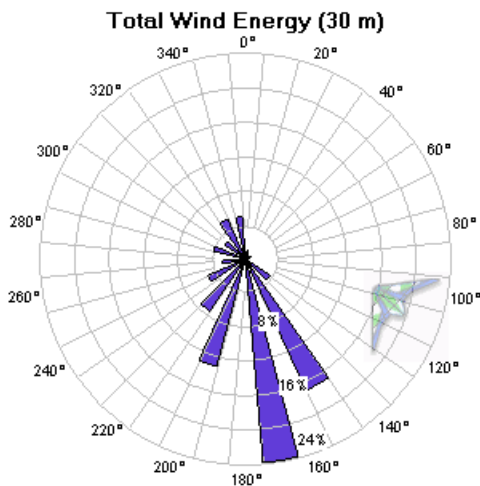
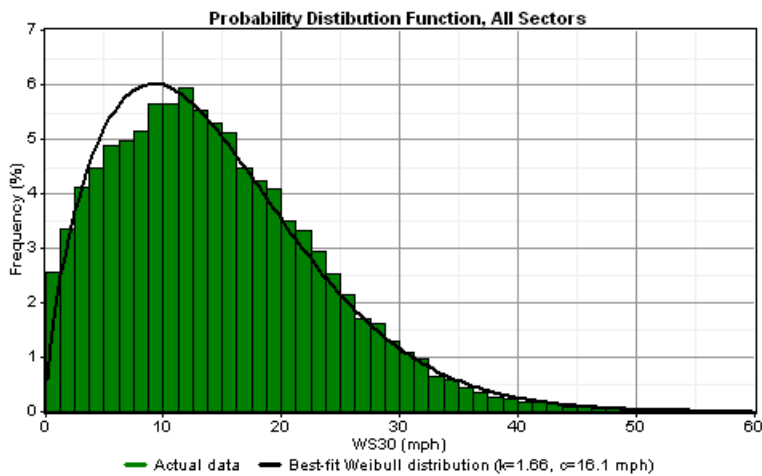
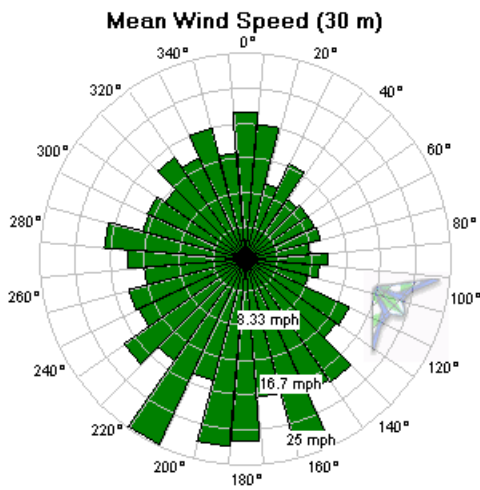
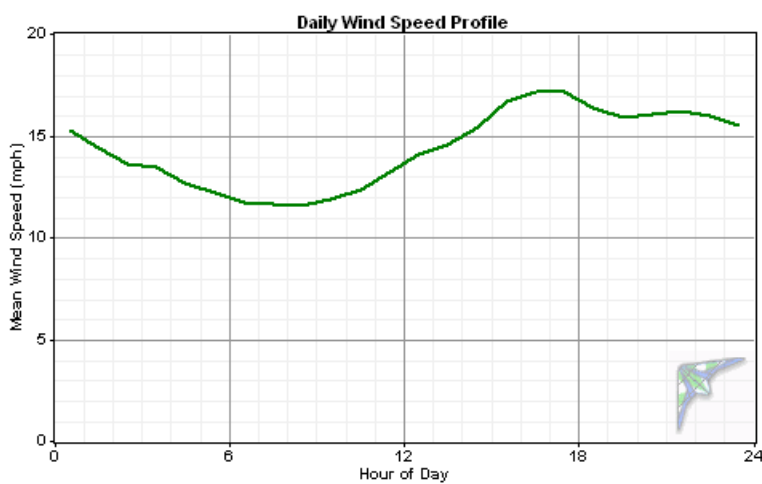
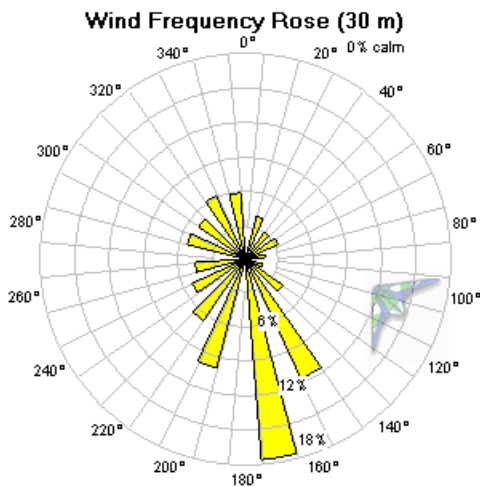
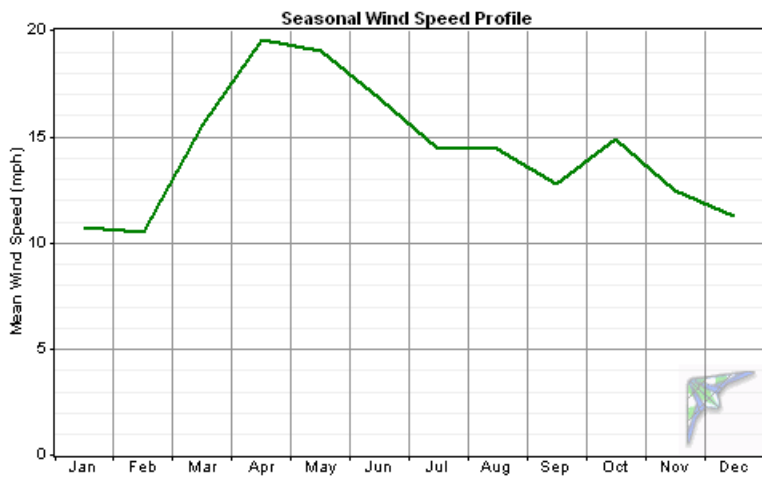
Data Set Properties

Data Set: Branson_3703_2009_0721_to_2010_0727_with_data_validation_offset_354.windog
Report Created: 8/15/2010 23:01

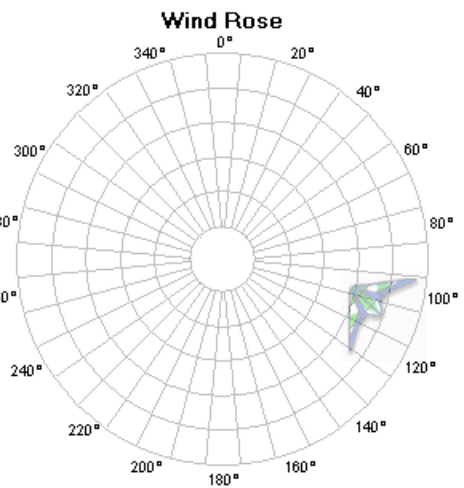
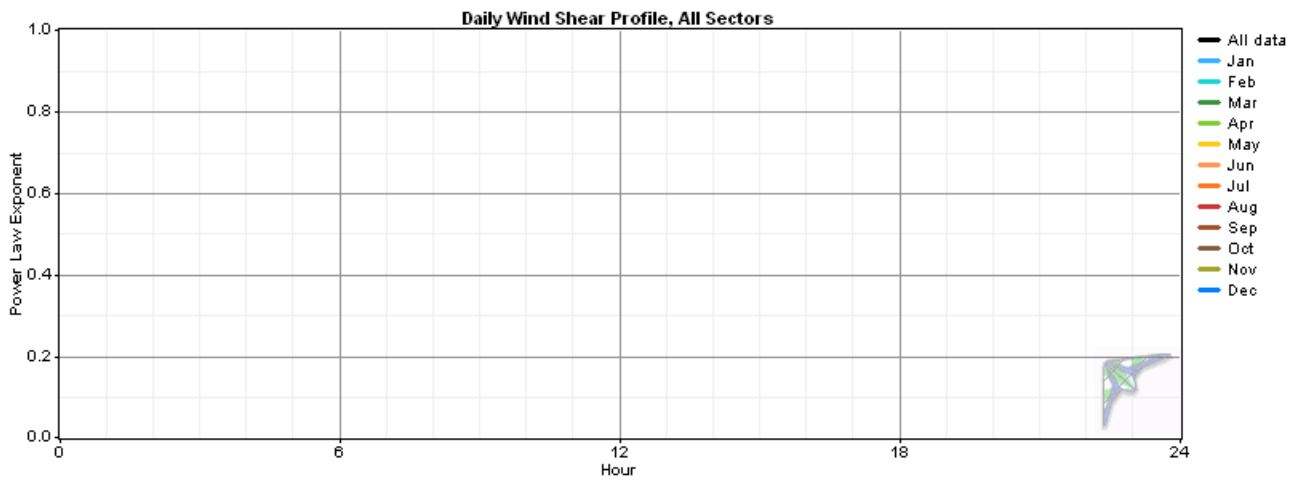
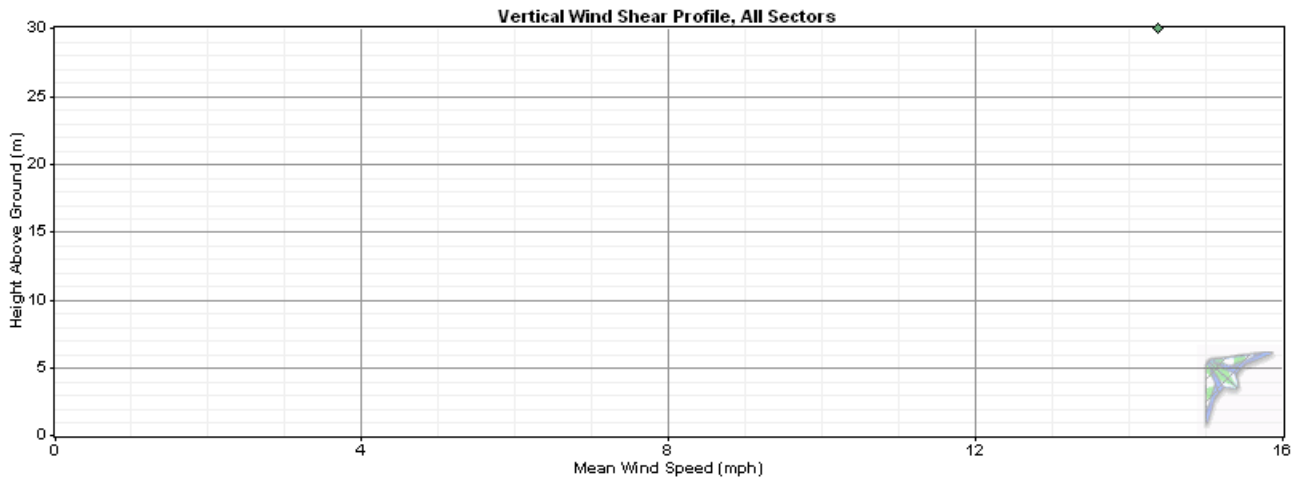
| Variables | Values |
|-----------------------|-------------------------|
| Latitude | N 37° 9' 33.000" |
| Longitude | W 103° 46' 43.000" |
| Elevation | 5690 ft |
| Start date | 7/21/2009 11:30 |
| End date | 7/27/2010 06:10 |
| Duration | 12 months |
| Length of time step | 10 minutes |
| Calm threshold | 0 mph |
| Mean temperature | 3.74 °C |
| Mean pressure | 82.20 kPa |
| Mean air density | 1.035 kg/m ³ |
| 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 |



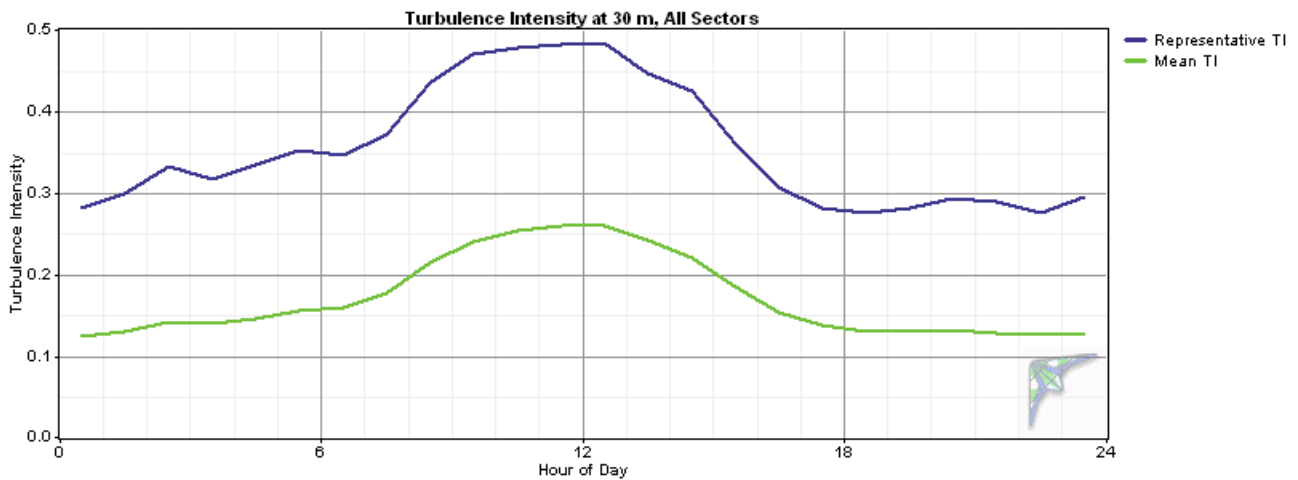
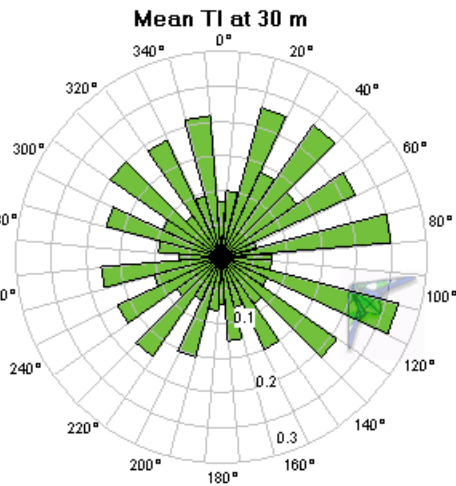
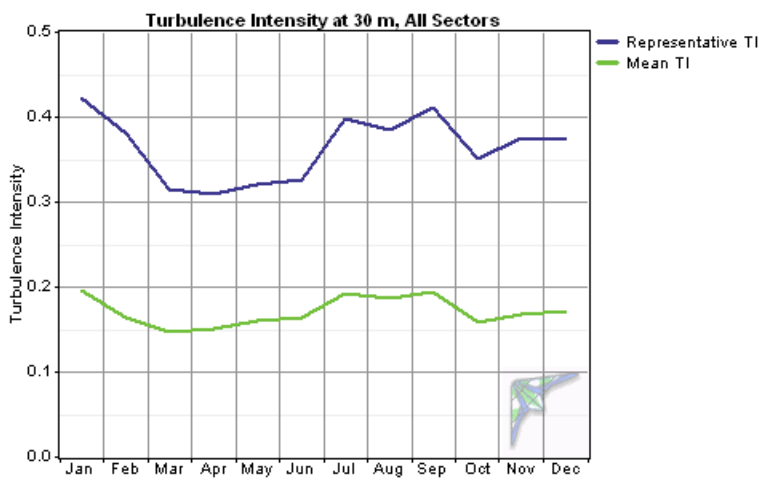
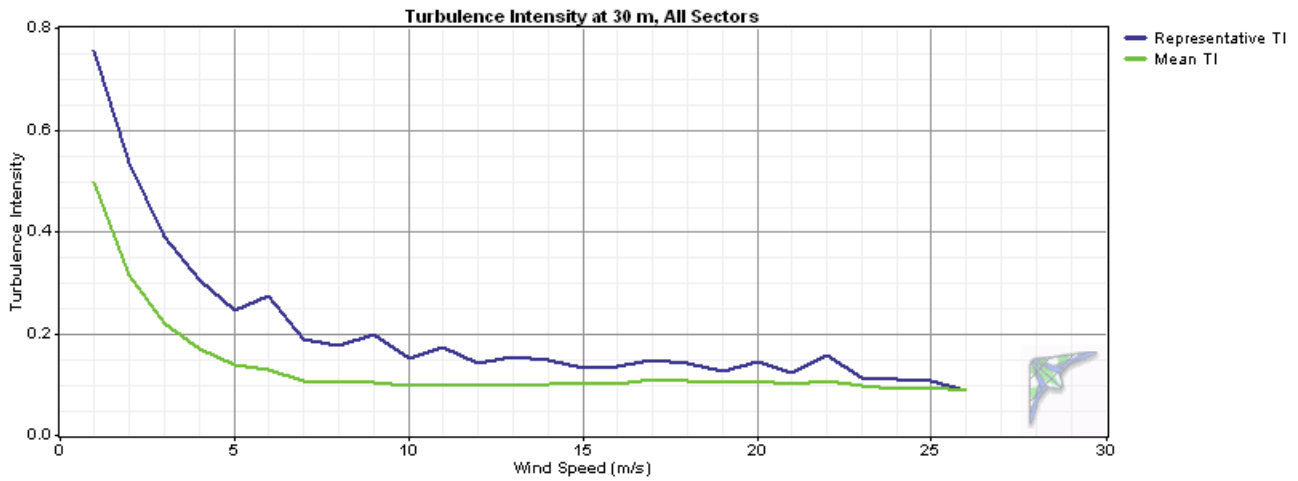
Wind Speed and Direction



Wind Shear



Turbulence Intensity



Data Column Properties

| Label | Units | Height | Possible Records | Valid Records | Recovery Rate (%) | Mean | Min | Max | Std. Dev |
|---------|-------|--------|------------------|---------------|-------------------|-------|------|-------|----------|
| WS30 | mph | 30 m | 53,392 | 53,392 | 100 | 14.38 | 0.40 | 57.30 | 8.77 |
| WS30_SD | mph | | 53,392 | 53,392 | 100 | 1.81 | 0.00 | 13.63 | 1.23 |
| WD30 | ° | 30 m | 53,392 | 53,392 | 100 | 199.4 | 0.1 | 360.0 | 88.9 |