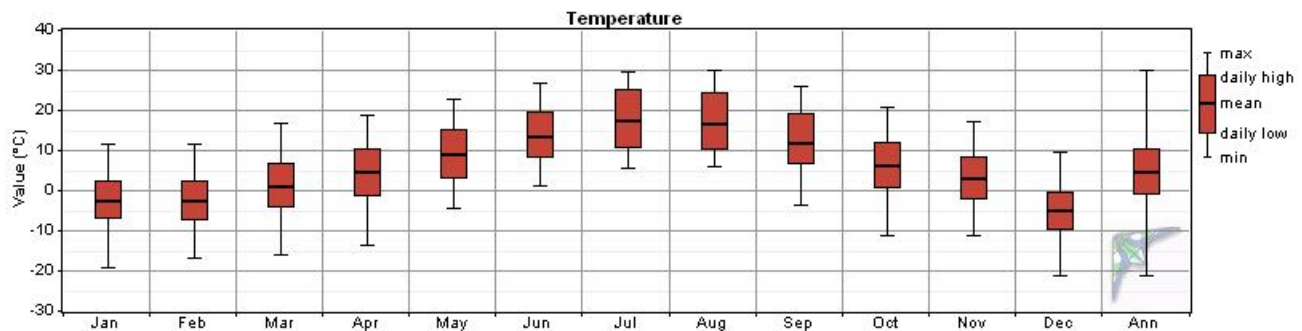


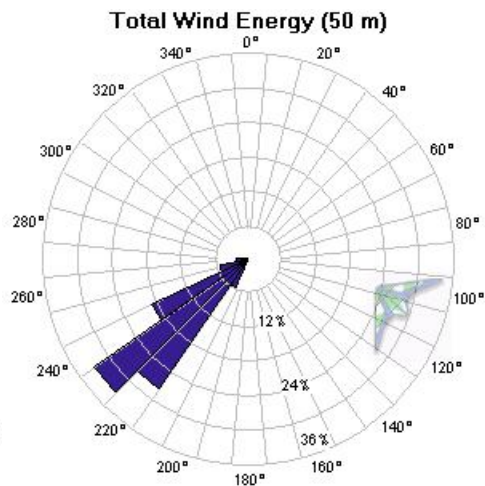
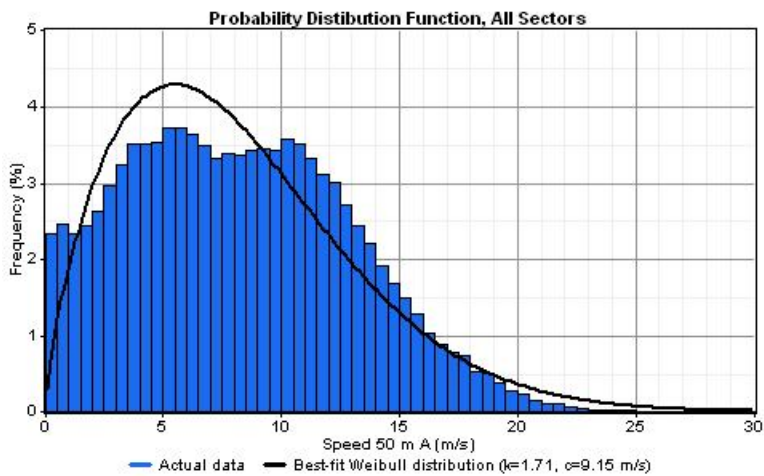
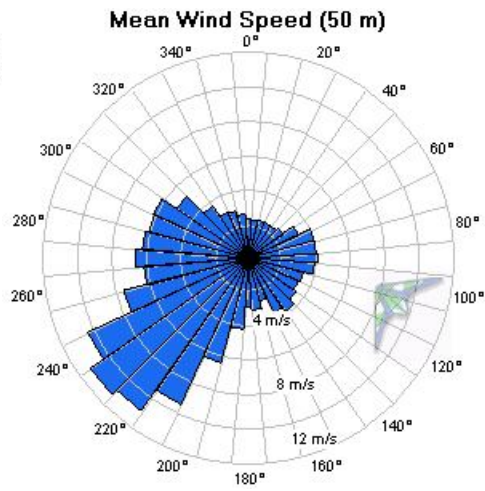
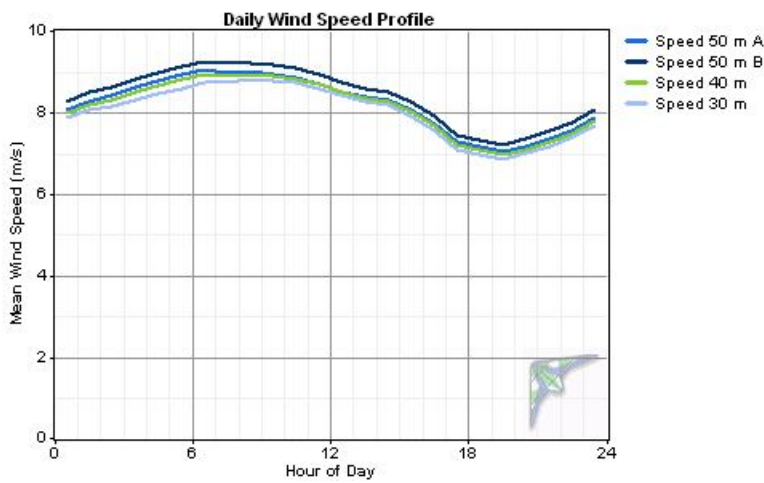
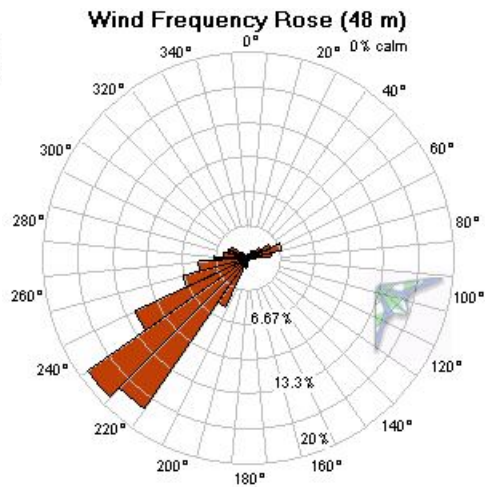
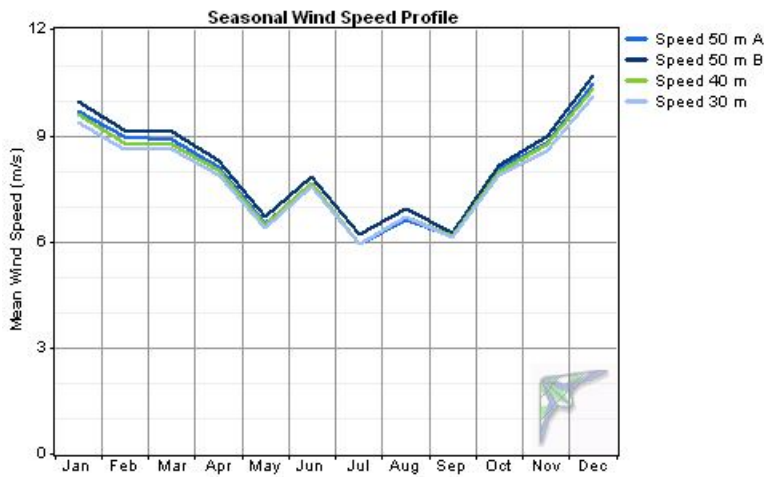
## Data Set Properties

Data Set: Sheep\_Mountain\_Usry\_Ranch\_5440\_2008\_0910\_2010\_0521\_with\_data\_validation.windog  
Report Created: 5/28/2010 00:02

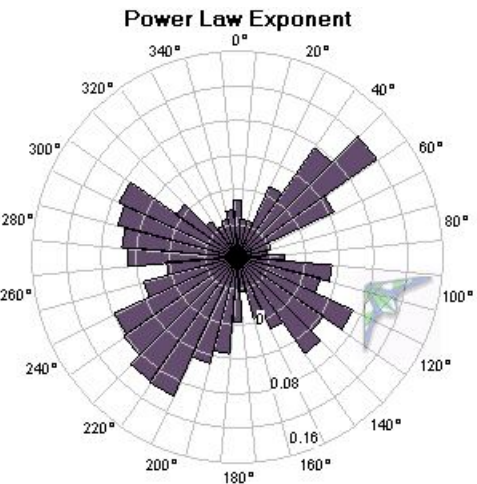
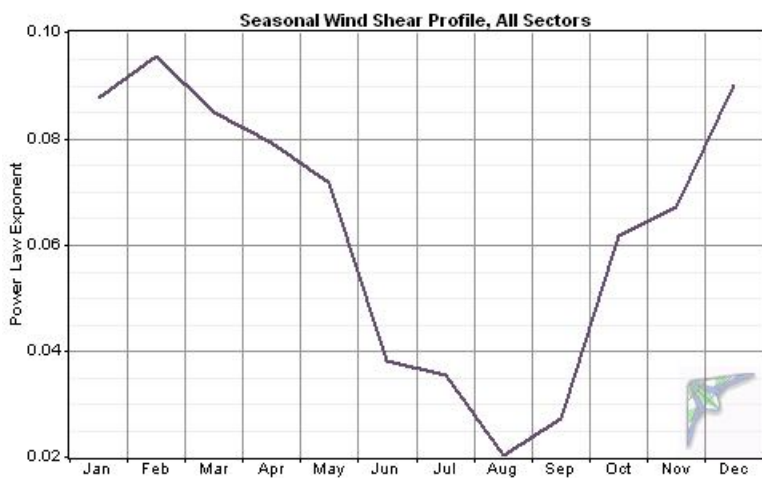
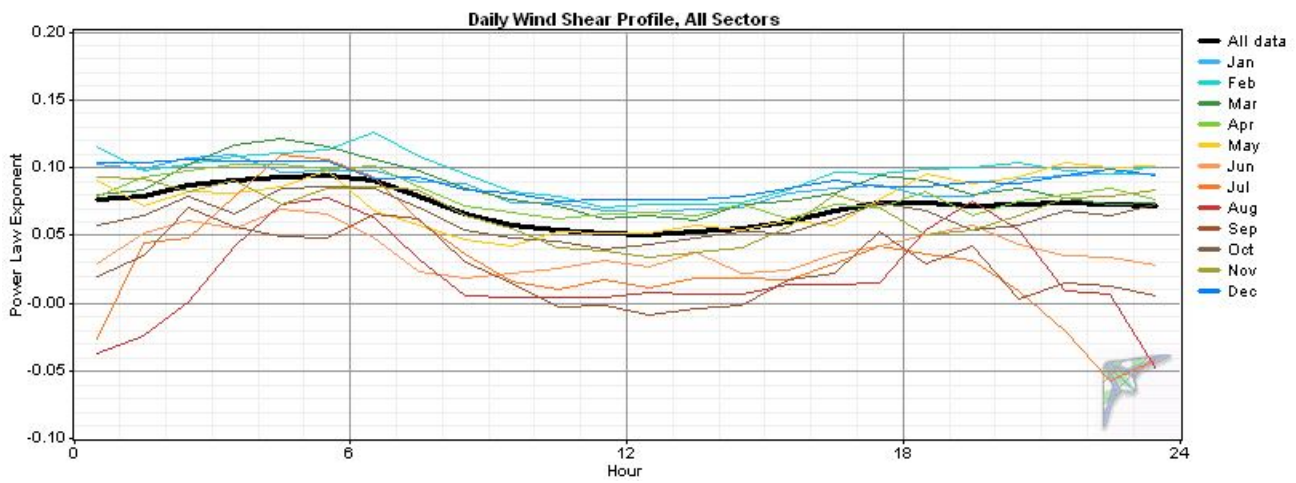
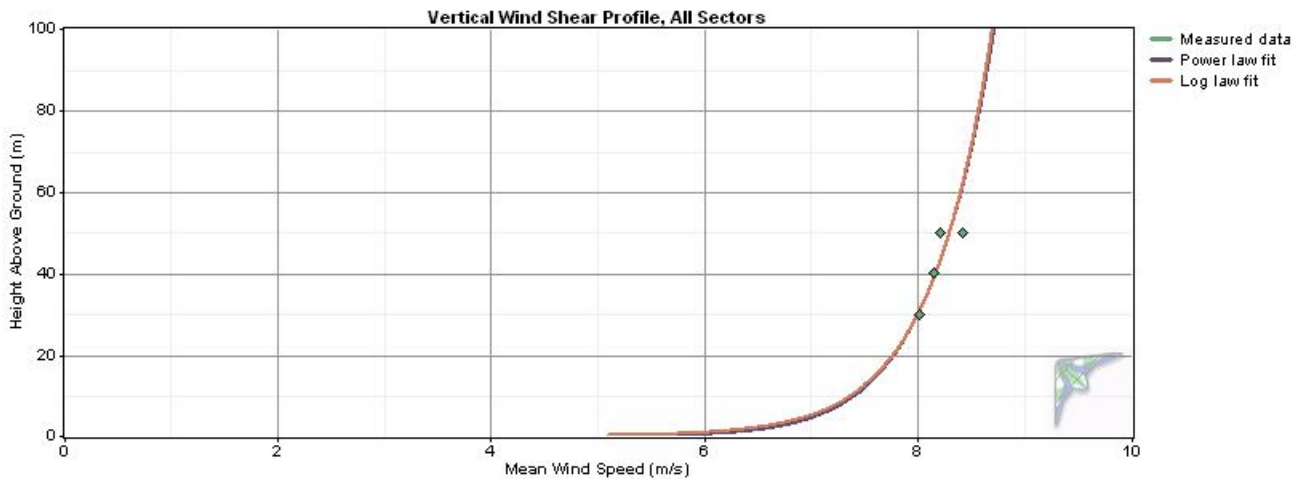
Variables	Values
Latitude	N 37° 39' 2.000"
Longitude	W 105° 10' 23.000"
Elevation	2554 m
Start date	9/10/2008 00:00
End date	5/21/2010 08:00
Duration	20 months
Length of time step	10 minutes
Calm threshold	0 m/s
Mean temperature	4.74 °C
Mean pressure	74.18 kPa
Mean air density	0.931 kg/m <sup>3</sup>
Power density at 50m	510 W/m <sup>2</sup>
Wind power class	5 (Excellent)
Power law exponent	0.0711
Surface roughness	0.0000306 m
Roughness class	0.00
Roughness description	Smooth



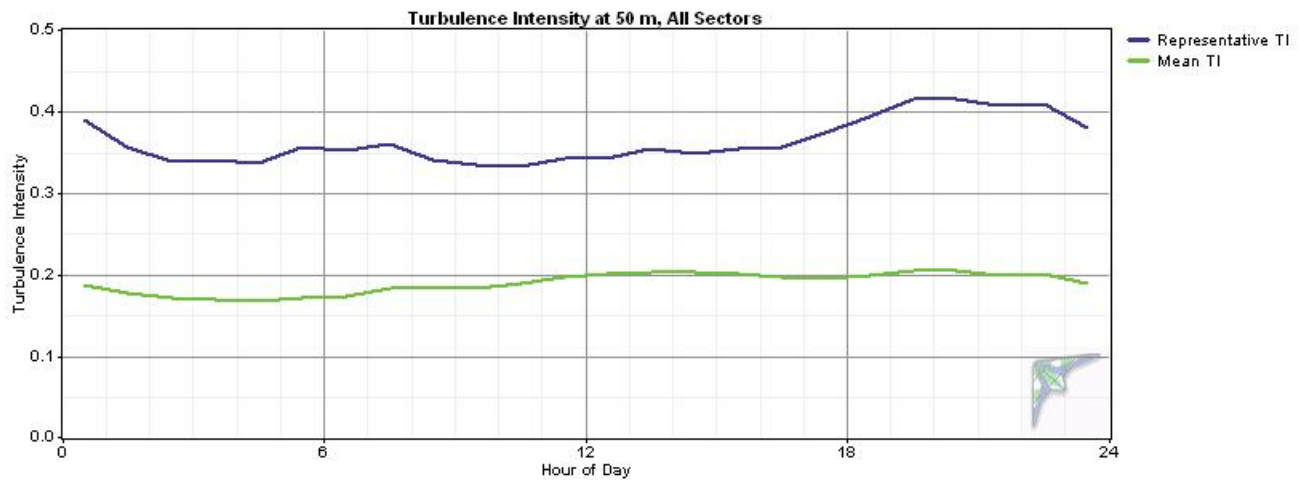
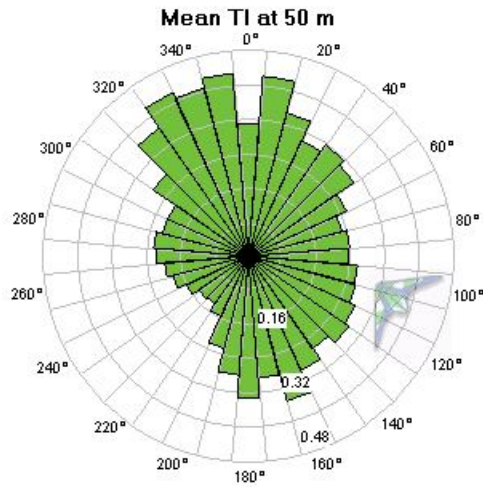
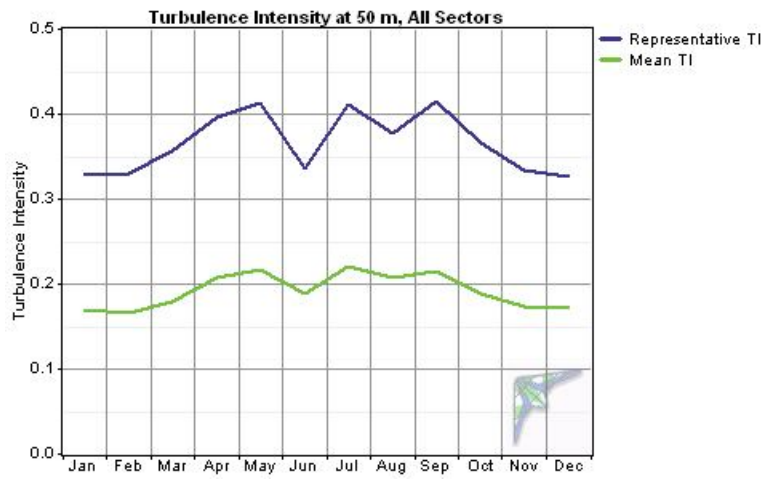
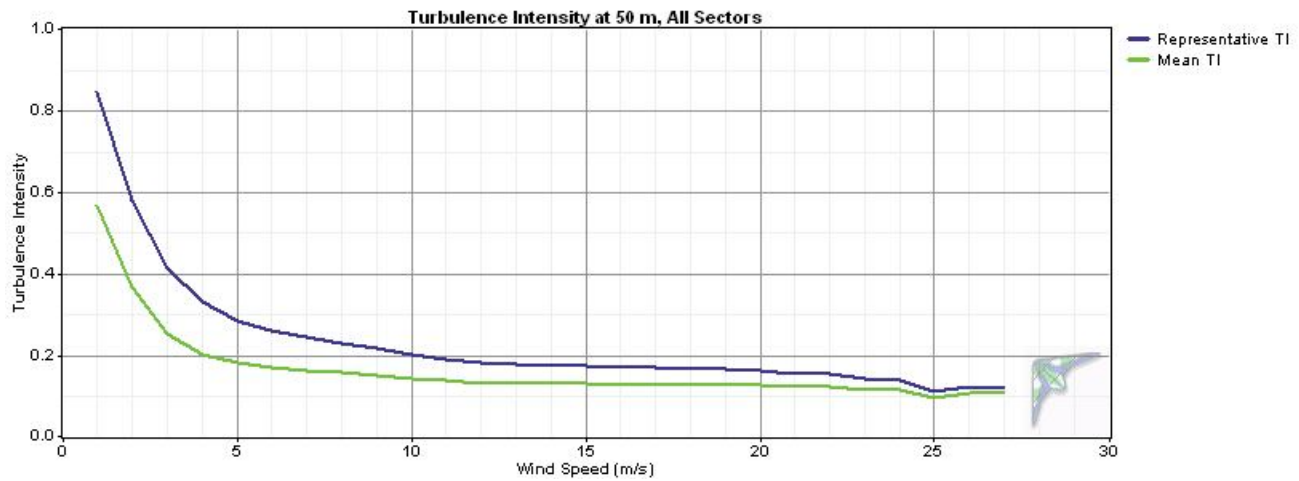
### Wind Speed and Direction



### Wind Shear



### Turbulence Intensity



## Data Column Properties

Label	Units	Height	Possible Records	Valid Records	Recovery Rate (%)	Mean	Min	Max	Std. Dev
Speed 30 m	m/s	30 m	89,040	89,040	100	8.01	0.21	25.88	4.47
Speed 30 m SD	m/s		89,040	89,040	100	1.254	0.000	6.910	0.646
Speed 30 m Max	m/s		89,040	89,040	100	11.25	0.33	36.79	6.02
Speed 30 m Min	m/s		89,040	89,040	100	4.95	0.33	18.91	3.28
Speed 40 m	m/s	40 m	89,040	89,040	100	8.14	0.22	26.22	4.64
Speed 40 m SD	m/s		89,040	89,040	100	1.259	0.000	7.200	0.658
Speed 40 m Max	m/s		89,040	89,040	100	11.32	0.40	35.50	6.15
Speed 40 m Min	m/s		89,040	89,040	100	5.00	0.40	19.70	3.42
Speed 50 m A	m/s	50 m	89,040	89,040	100	8.21	0.22	26.93	4.73
Speed 50 m A SD	m/s		89,040	89,040	100	1.237	0.000	7.600	0.652
Speed 50 m A Max	m/s		89,040	89,040	100	11.36	0.34	35.90	6.18
Speed 50 m A Min	m/s		89,040	89,040	100	5.11	0.34	20.41	3.51
Speed 50 m B	m/s	50 m	89,040	89,040	100	8.41	0.22	27.37	4.83
Speed 50 m B SD	m/s		89,040	89,040	100	1.270	0.000	7.600	0.664
Speed 50 m B Max	m/s		89,040	89,040	100	11.64	0.34	36.30	6.28
Speed 50 m B Min	m/s		89,040	89,040	100	5.23	0.34	20.49	3.57
Direction 38 m	°	38 m	89,040	89,040	100	207.6	0.0	359.8	70.7
Direction 38 m SD	°		89,040	89,040	100	11.9	0.0	121.7	10.6
Direction 38 m Max	°		89,040	89,040	100	202.7	0.0	359.4	77.5
Direction 38 m Min	°		89,040	89,040	100	0	0	0	0
Direction 48 m	°	48 m	89,040	89,040	100	209.4	0.0	359.0	70.5
Direction 48 m SD	°		89,040	89,040	100	11.9	0.0	121.7	10.6
Direction 48 m Max	°		89,040	89,040	100	204.3	0.0	359.4	78.4
Direction 48 m Min	°		89,040	89,040	100	0	0	0	0
Temperature	°C		89,040	89,040	100	4.74	-21.40	30.09	8.75
Temperature SD	°C		89,040	89,040	100	0.093	0.000	5.180	0.151
Temperature Max	°C		89,040	89,040	100	5.13	-20.96	30.72	8.79
Temperature Min	°C		89,040	89,040	100	4.42	-21.83	29.46	8.73
voltmeter	volts		89,040	89,040	100	13.66	11.50	15.10	0.51
voltmeter SD	volts		89,040	89,040	100	0.011	0.000	0.900	0.043
voltmeter Max	volts		89,040	89,040	100	13.71	11.70	15.20	0.51
voltmeter Min	volts		89,040	89,040	100	13.62	11.00	15.00	0.52
RH-5 Humidity %RH	%RH		89,040	89,040	100	18.1	0.0	100.2	26.2
RH-5 Humidity %RH SD	%RH		89,040	89,040	100	0.21	0.00	37.05	0.76
RH-5 Humidity %RH Max	%RH		89,040	89,040	100	18.6	0.0	100.3	26.7
RH-5 Humidity %RH Min	%RH		89,040	89,040	100	17.7	0.0	100.3	25.7