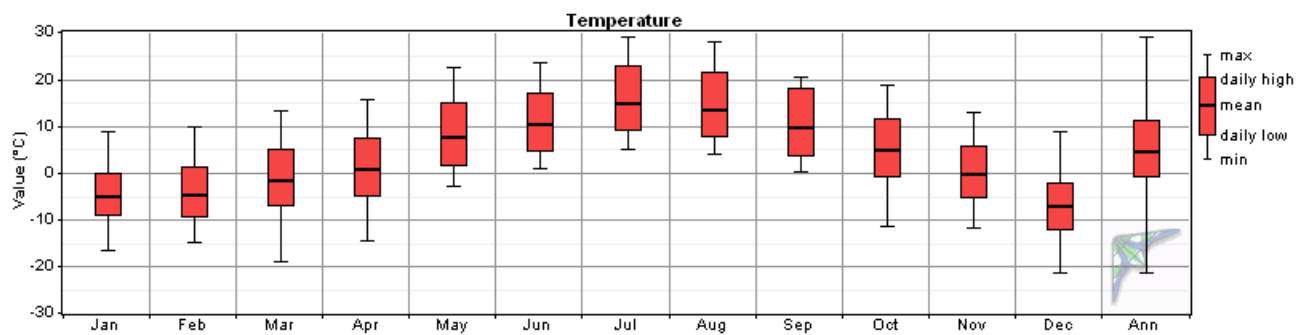


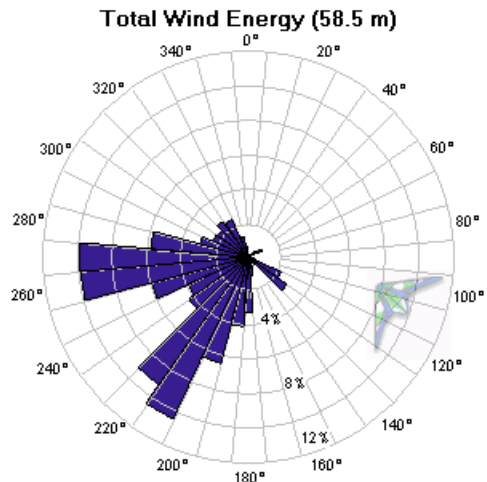
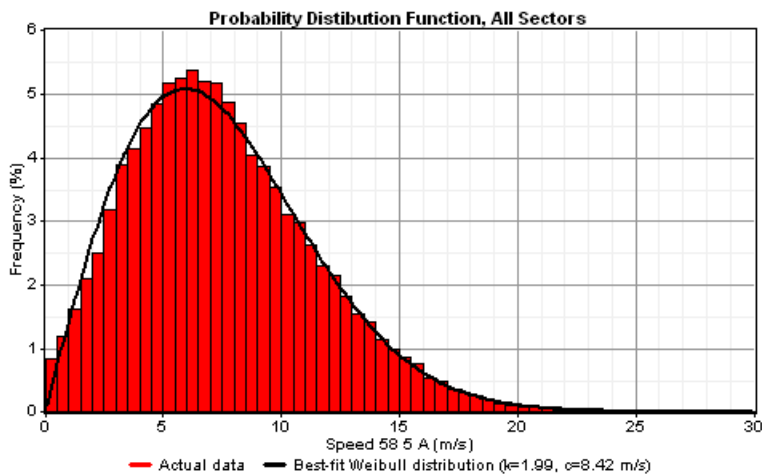
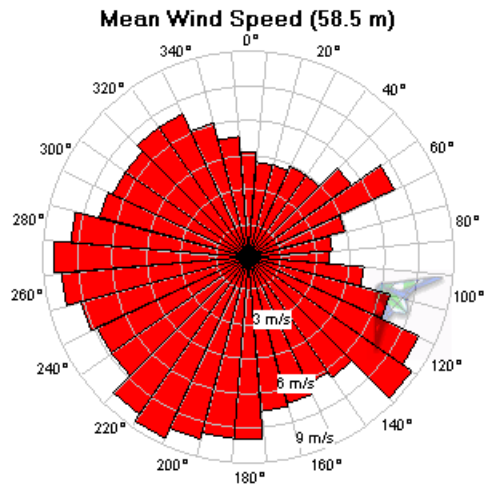
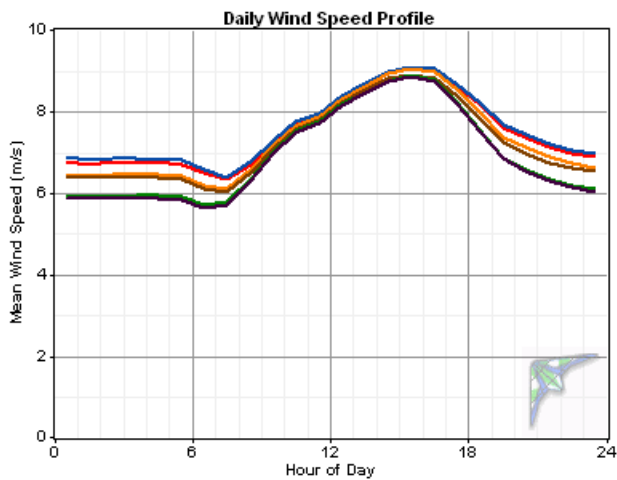
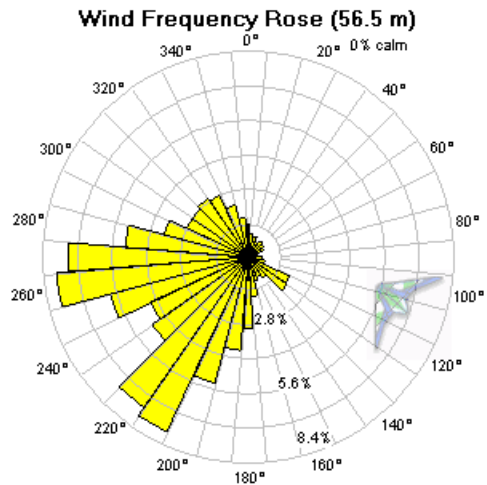
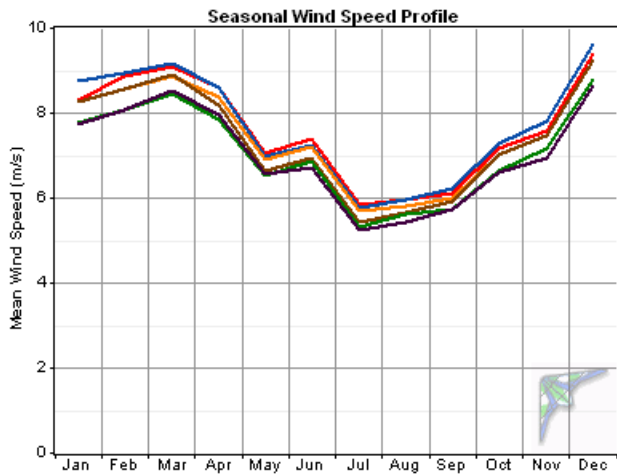
Data Set Properties

Data Set: South_Park_Ranch_2206_2008_0726_to_2009_0827_with_data_validation_offset_110.windog
 Report Created: 9/20/2010 23:10

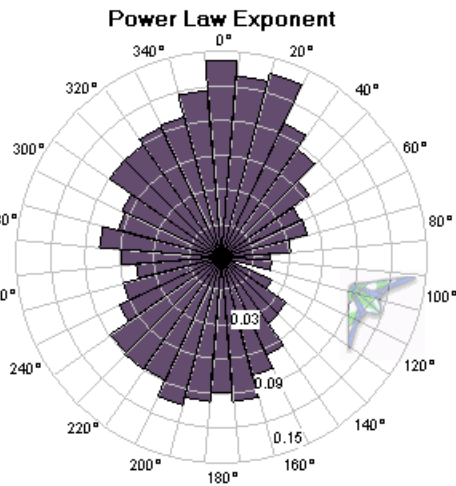
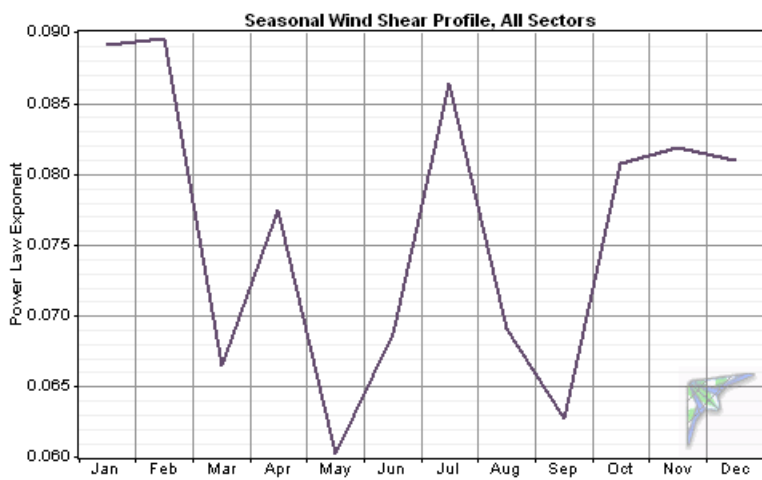
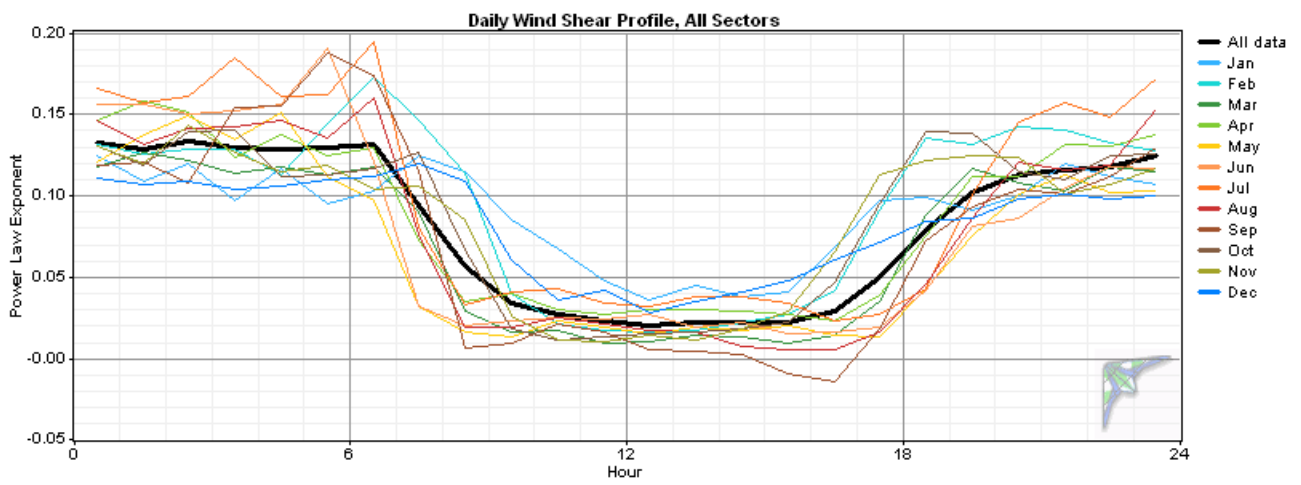
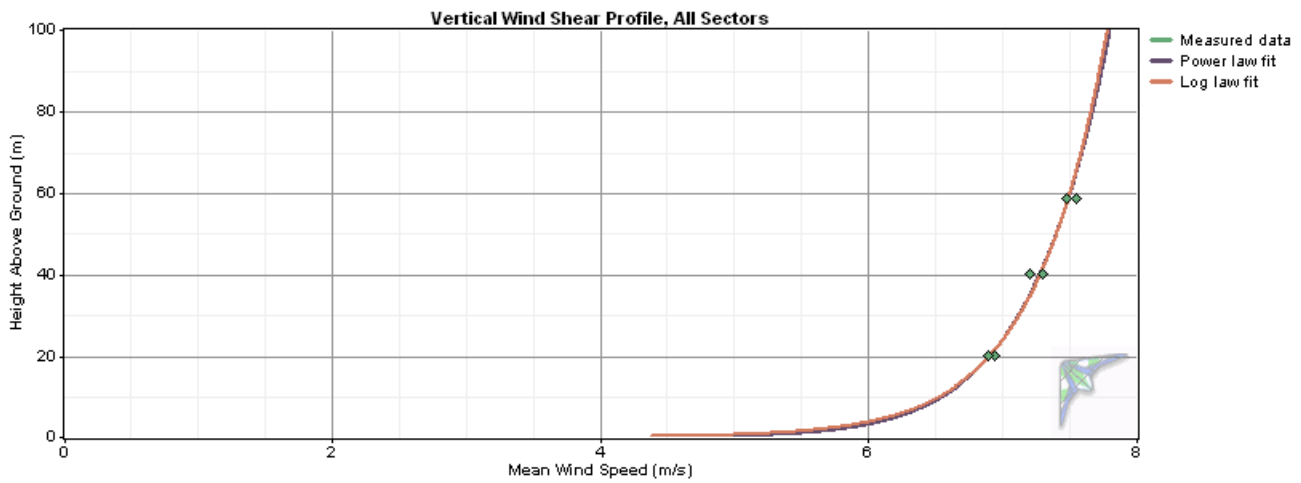
Variables	Values
Latitude	N 38° 47' 2.160"
Longitude	W 105° 47' 10.680"
Elevation	3052 m
Start date	7/26/2008 15:00
End date	8/27/2009 11:00
Duration	13 months
Length of time step	10 minutes
Calm threshold	0 m/s
Mean temperature	4.54 °C
Mean pressure	703.4 mbar
Mean air density	0.883 kg/m ³
Power density at 50m	362 W/m ²
Wind power class	3 (Fair)
Power law exponent	0.0762
Surface roughness	0.0000679 m
Roughness class	0.00
Roughness description	Calm sea



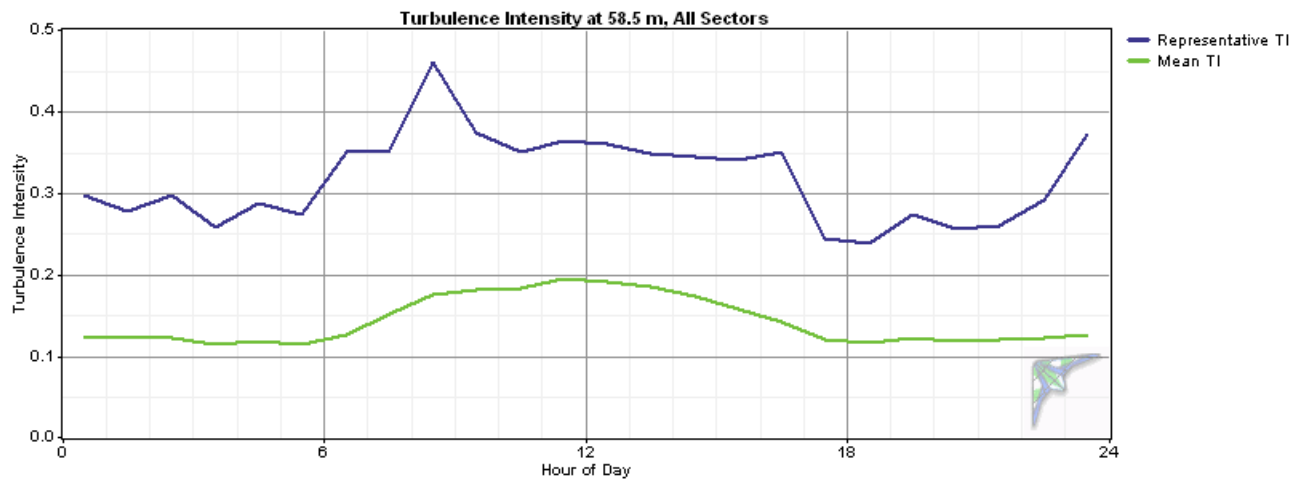
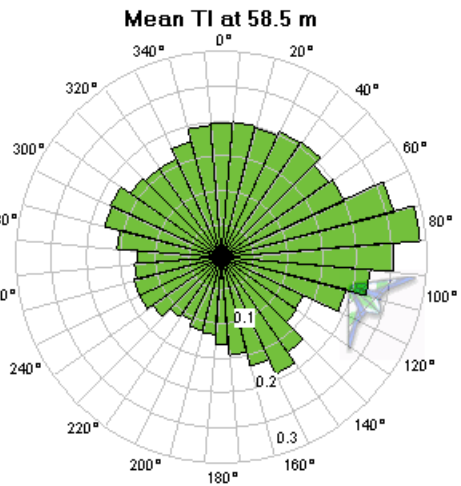
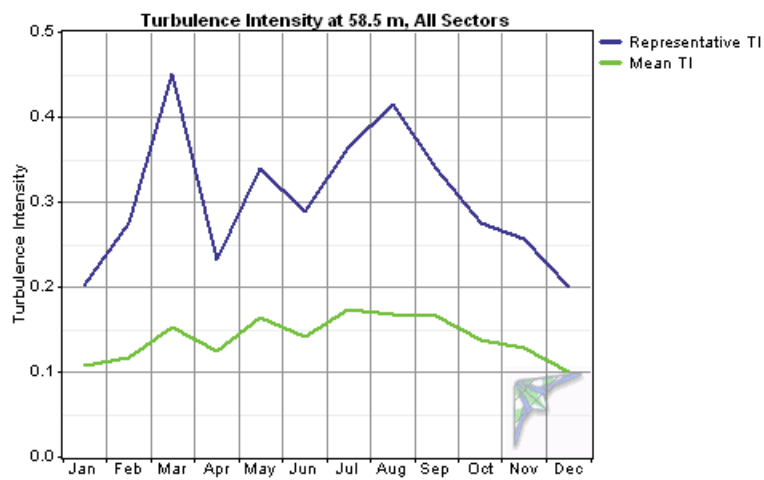
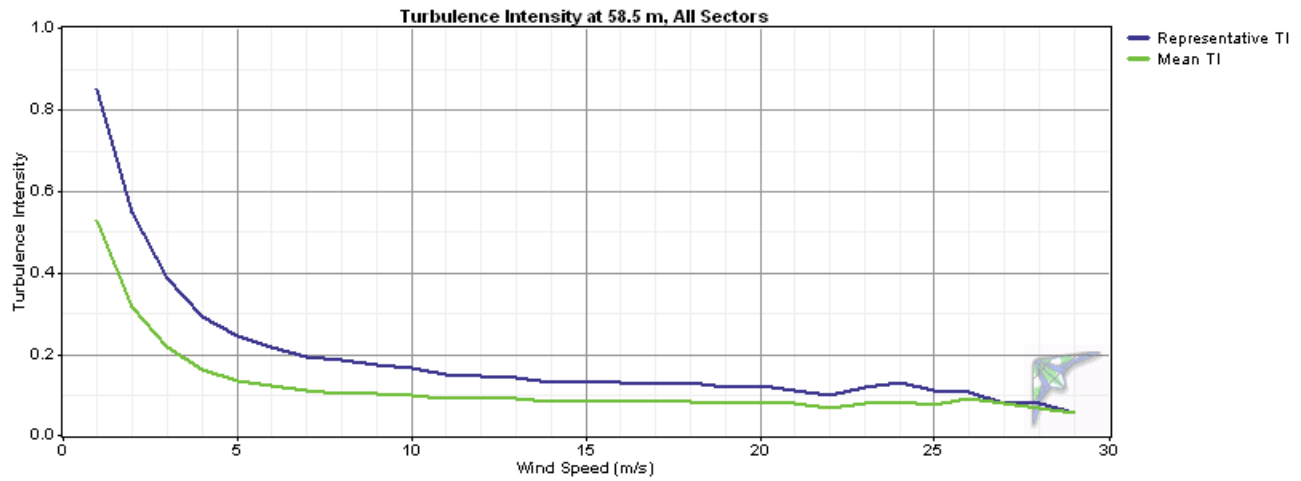
Wind Speed and Direction



Wind Shear



Turbulence Intensity



Data Column Properties

Label	Units	Height	Possible Records	Valid Records	Recovery Rate (%)	Mean	Min	Max	Std. Dev
Speed 58.5 A	m/s	58.5 m	57,144	57,144	100	7.48	0.32	29.34	3.89
Speed 58.5 A SD	m/s		57,144	57,144	100	0.830	0.000	7.540	0.512
Speed 58.5 A Max	m/s		57,144	57,144	100	9.42	0.21	35.69	4.67
Speed 58.5 A Min	m/s		57,144	57,144	100	5.36	0.10	28.58	3.39
Speed 40 m A	m/s	40 m	57,144	57,144	100	7.31	0.32	28.64	3.90
Speed 40 m A SD	m/s		57,144	57,144	100	3.02	0.00	13.16	3.16
Speed 40 m A Max	m/s		57,144	57,144	100	8.95	0.23	34.17	4.53
Speed 40 m A Min	m/s		57,144	57,144	100	4.75	0.16	26.58	3.10
Speed 20 m A	m/s	20 m	57,144	57,144	100	6.94	0.32	28.66	3.82
Speed 20 m A SD	m/s		57,144	57,144	100	0.877	0.000	6.960	0.544
Speed 20 m A Max	m/s		57,144	57,144	100	9.17	0.32	32.81	4.73
Speed 20 m A Min	m/s		57,144	57,144	100	4.88	0.32	22.86	3.17
Speed 58.5 B	m/s	58.5 m	57,144	57,144	100	7.55	0.32	28.79	3.91
Speed 58.5 B SD	m/s		57,144	57,144	100	0.825	0.000	7.610	0.498
Speed 58.5 B Max	m/s		57,144	57,144	100	9.61	0.32	35.56	4.62
Speed 58.5 B Min	m/s		57,144	57,144	100	5.57	0.32	25.24	3.43
Speed 40 m B	m/s	40 m	57,144	57,144	100	7.21	0.32	28.64	3.92
Speed 40 m B SD	m/s		57,144	57,144	100	0.854	0.000	7.610	0.522
Speed 40 m B Max	m/s		57,144	57,144	100	9.35	0.32	34.80	4.69
Speed 40 m B Min	m/s		57,144	57,144	100	5.18	0.32	24.44	3.37
Speed 20 m B	m/s	20 m	57,144	57,144	100	6.89	0.32	28.41	3.83
Speed 20 m B SD	m/s		57,144	57,144	100	0.867	0.000	6.980	0.537
Speed 20 m B Max	m/s		57,144	57,144	100	9.09	0.32	32.46	4.72
Speed 20 m B Min	m/s		57,144	57,144	100	4.86	0.32	23.29	3.19
Direction 56.5	°	56.5 m	57,144	57,144	100	227.1	1.0	360.0	75.0
Direction 56.5 SD	°		57,144	57,144	100	118.4	110.0	243.0	9.3
Direction 56.5 Max	°		57,144	57,144	100	243.6	110.0	467.0	76.7
Direction 56.5 Min	°		57,144	57,144	100	110	110	110	0
Direction 18.5 m	°	18.5 m	57,144	57,144	100	226.0	1.0	360.0	76.7
Direction 18.5 m SD	°		57,144	57,144	100	119.5	110.0	232.0	9.9
Direction 18.5 m Max	°		57,144	57,144	100	241.9	110.0	467.0	78.4
Direction 18.5 m Min	°		57,144	57,144	100	110	110	110	0
Temperature	°C		57,144	57,144	100	4.54	-21.60	28.80	9.25
Temperature SD	°C		57,144	57,144	100	0.103	0.000	3.644	0.151
Temperature Max	°C		57,144	57,144	100	4.91	-21.30	29.20	9.32
Temperature Min	°C		57,144	57,144	100	4.25	-22.00	28.50	9.20
BP-20 Barom. mb	mbar		57,144	57,144	100	703.4	677.0	717.9	7.3

Label	Units	Height	Possible Records	Valid Records	Recovery Rate (%)	Mean	Min	Max	Std. Dev
BP-20 Barom. mb SD	mb		57,144	57,144	100	0.1992	0.0600	0.7800	0.0468
BP-20 Barom. mb Max	mb		57,144	57,144	100	703.9	677.2	718.6	7.3
BP-20 Barom. mb Min	mb		57,144	57,144	100	703.0	676.4	717.6	7.4
voltmeter	volts		57,144	57,144	100	13.97	13.03	15.05	0.43
voltmeter SD	volts		57,144	57,144	100	0.0053	-0.1270	0.8000	0.0332
voltmeter Max	volts		57,144	57,144	100	14.01	13.17	15.62	0.44
voltmeter Min	volts		57,144	57,144	100	13.95	12.72	15.15	0.43