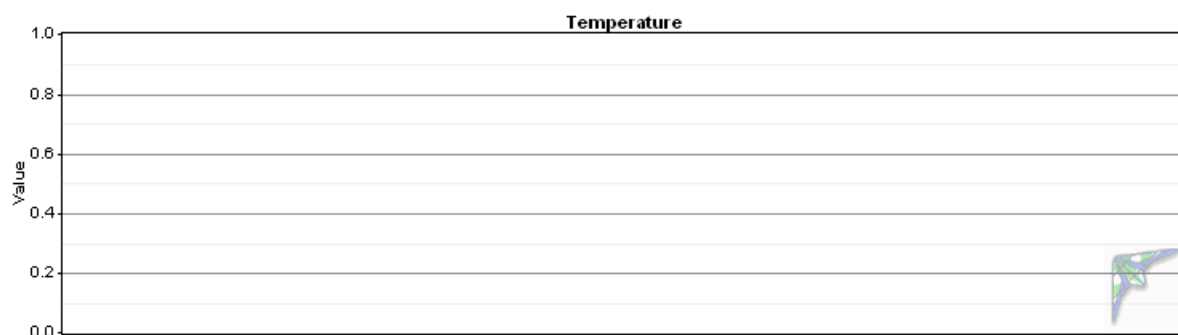


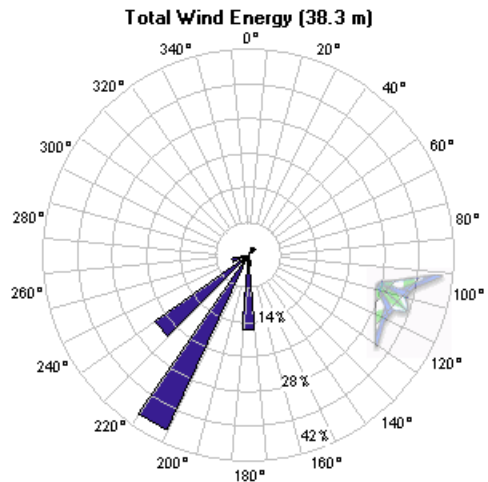
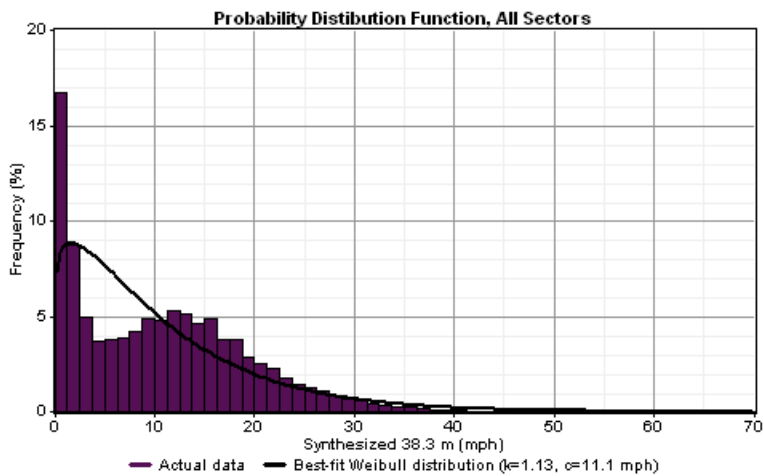
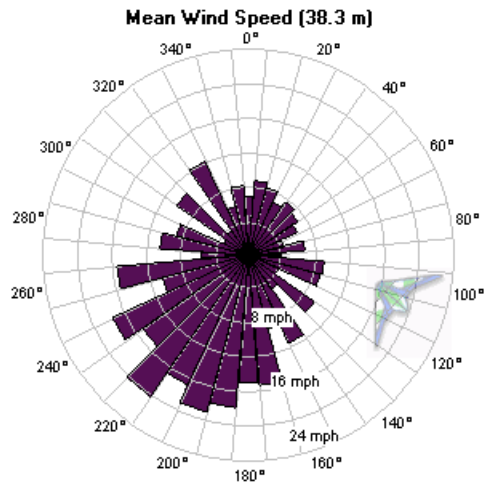
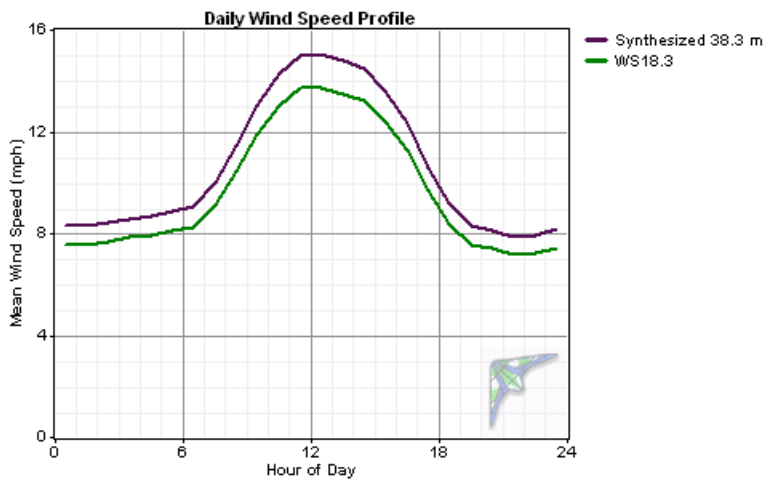
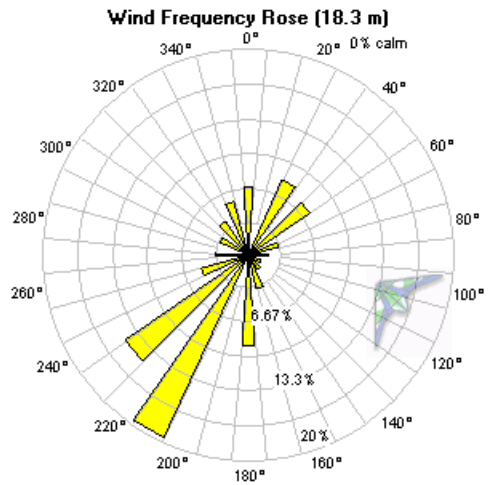
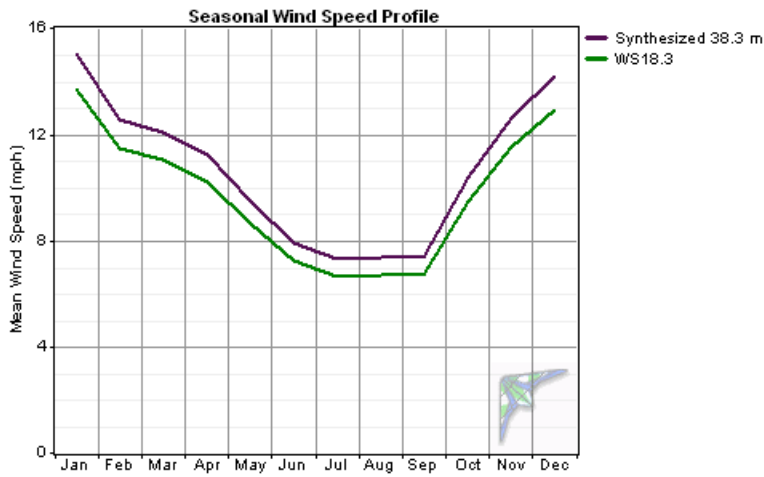
Data Set Properties

Data Set: Estes_Park_4005_2008_0916_to_2011_0916_with_data_validation_offset_49_WWS.windog
Report Created: 10/8/2011 23:40

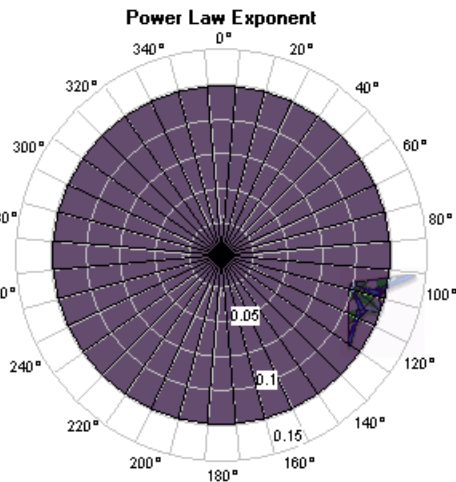
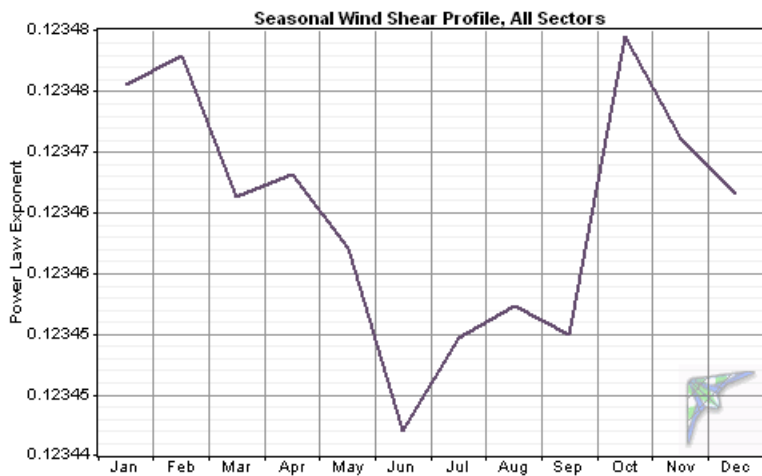
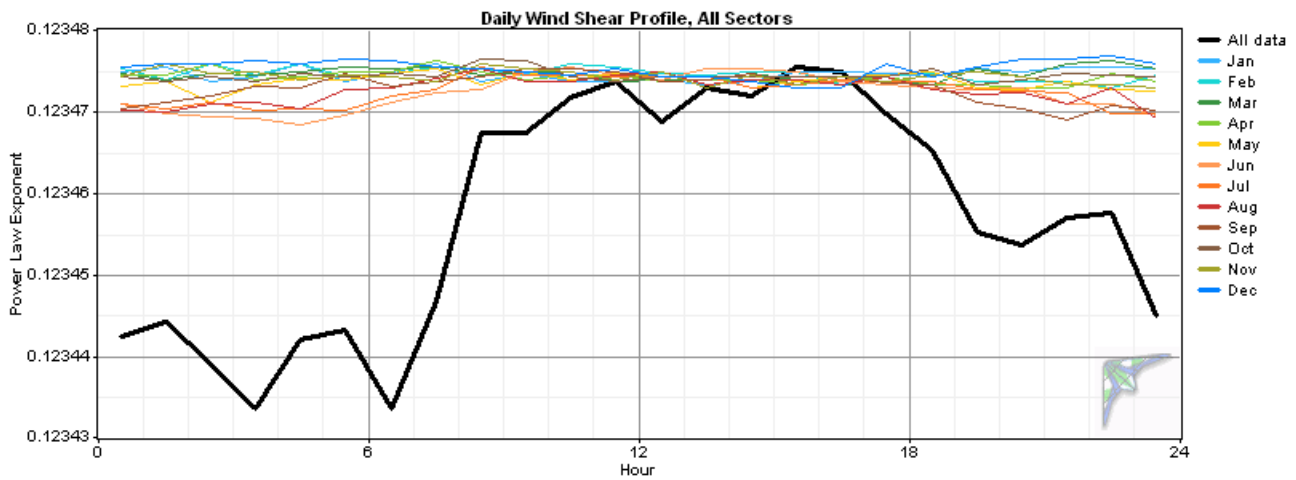
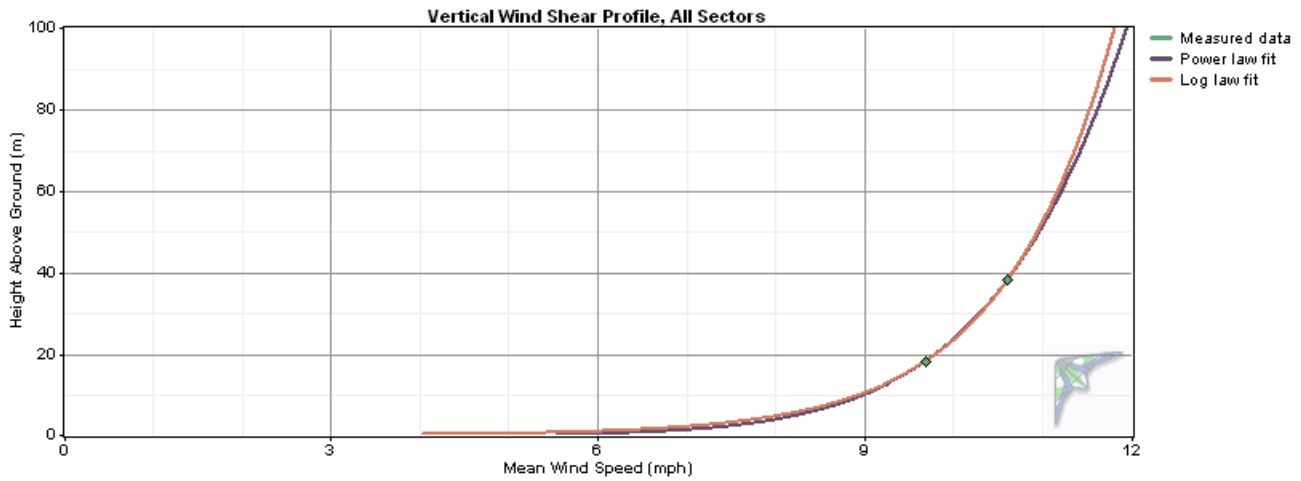
Variables	Values
Latitude	N 40° 22' 19.000"
Longitude	W 105° 29' 54.000"
Elevation	7577 ft
Start date	9/16/2008 11:10
End date	9/16/2011 08:20
Duration	36 months
Length of time step	10 minutes
Calm threshold	0 mph
Mean temperature	-0.00156 °C
Mean pressure	76.51 kPa
Mean air density	0.975 kg/m ³
Power density at 50m	187 W/m ²
Wind power class	1 (Poor)
Power law exponent	0.124
Surface roughness	0.00811 m
Roughness class	0.74
Roughness description	Lawn grass



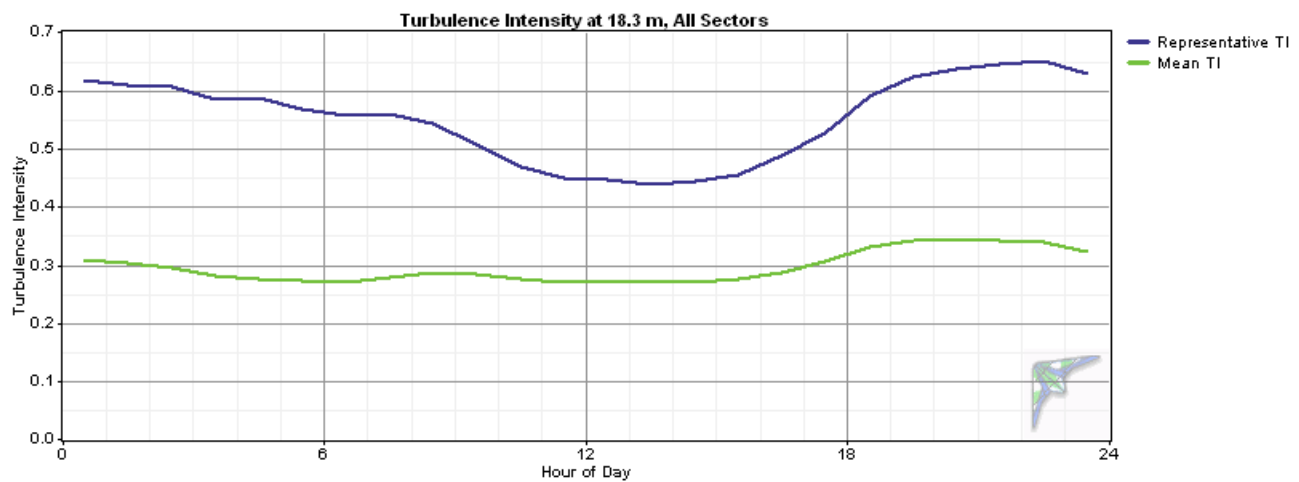
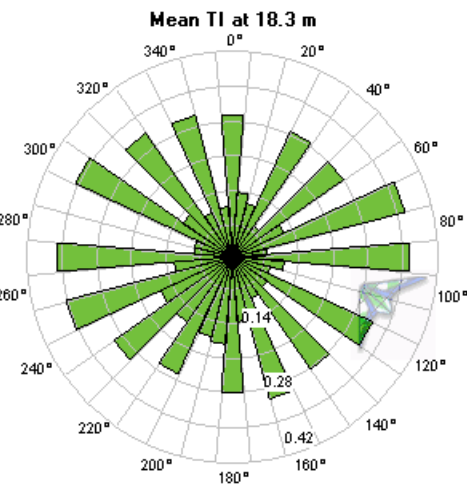
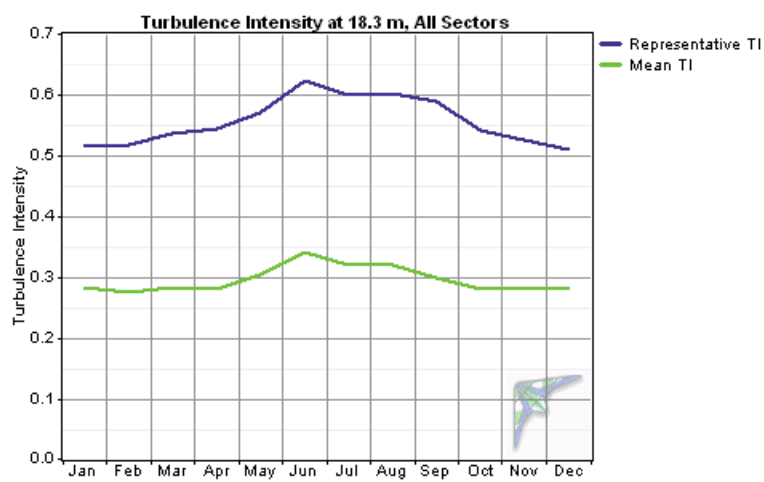
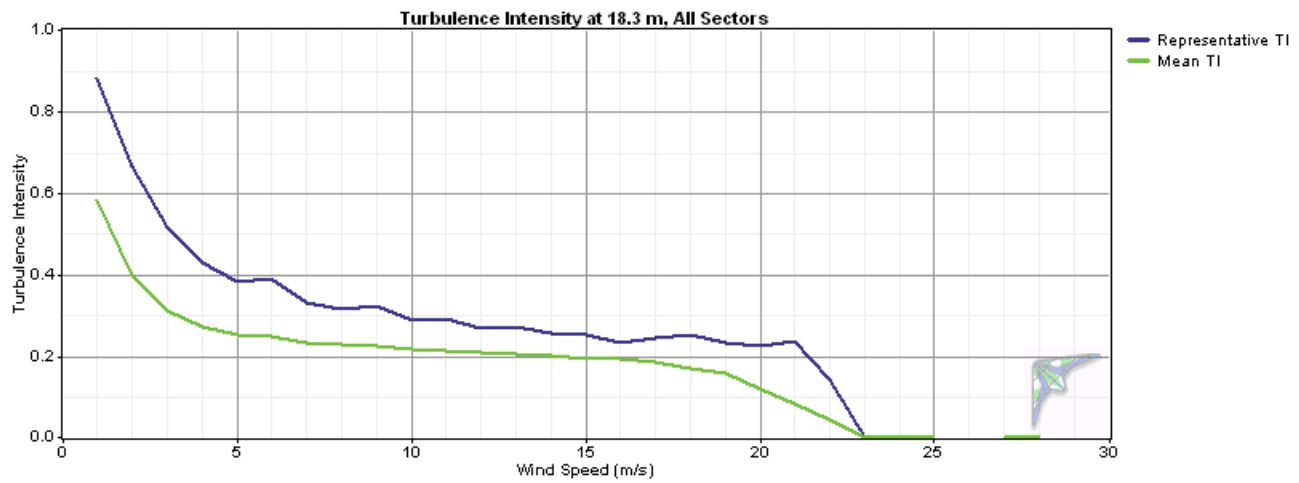
Wind Speed and Direction



Wind Shear



Turbulence Intensity



Data Column Properties

Label	Units	Height	Possible Records	Valid Records	Recovery Rate (%)	Mean	Min	Max	Std. Dev
WS18.3	mph	18.3 m	157,663	157,663	100	9.68	0.07	63.16	7.71
WS18.3_SD	mph		157,663	157,663	100	2.45	0.00	13.60	1.87
WD18.3	°	18.3 m	157,663	157,663	100	175.9	0.0	360.0	98.5
Synthesized 38.3 m	mph	38.3 m	157,663	157,663	100	10.61	0.08	69.19	8.44