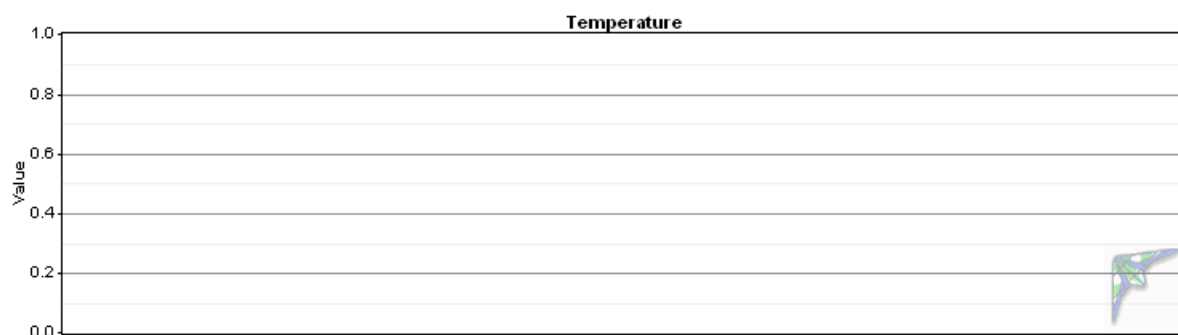


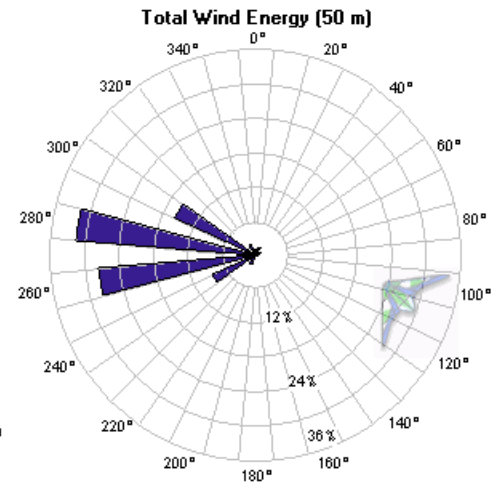
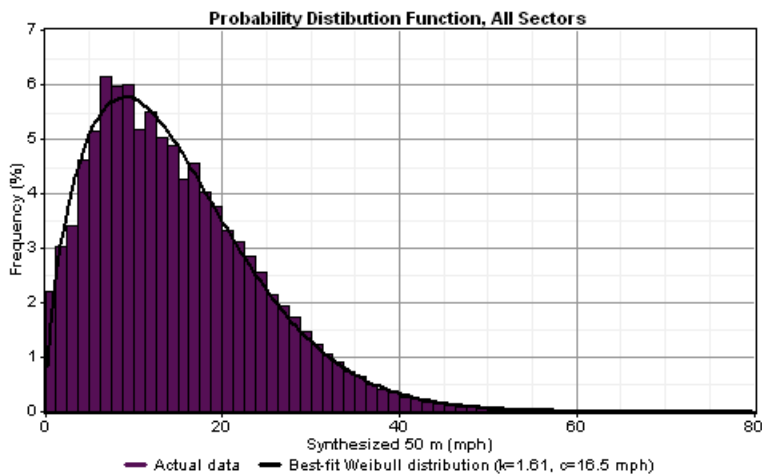
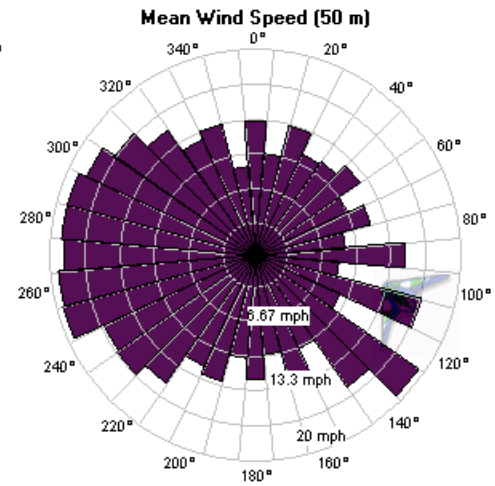
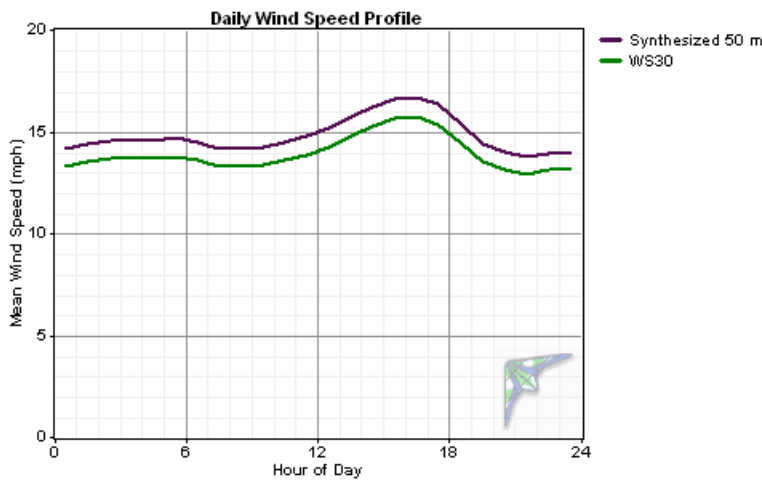
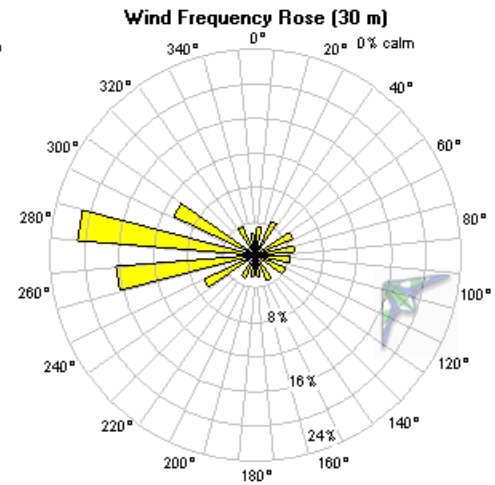
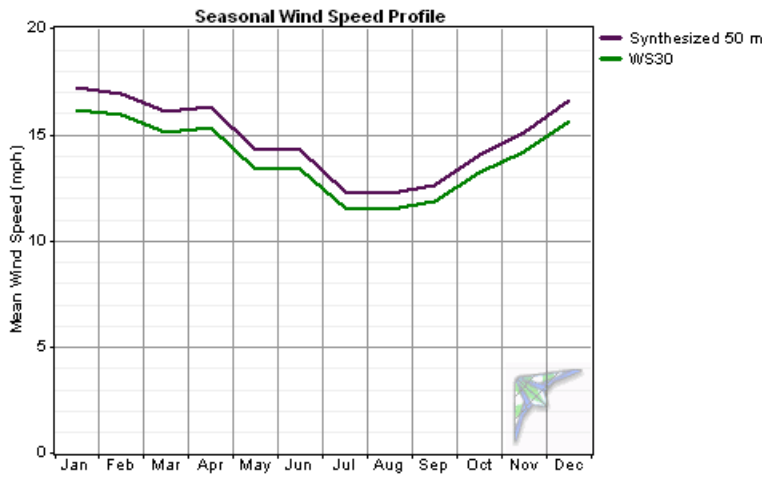
Data Set Properties

Data Set: Walsenburg_Airport_South_Mapes_2006_0221_to_2011_0809_with_data_validation_bad_WD30_WS30_removed_offset
Report Created: 8/24/2011 13:50

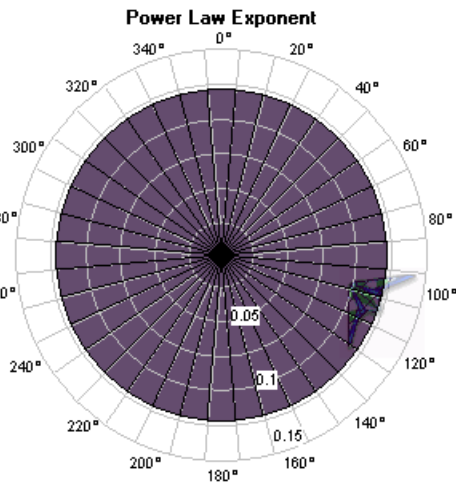
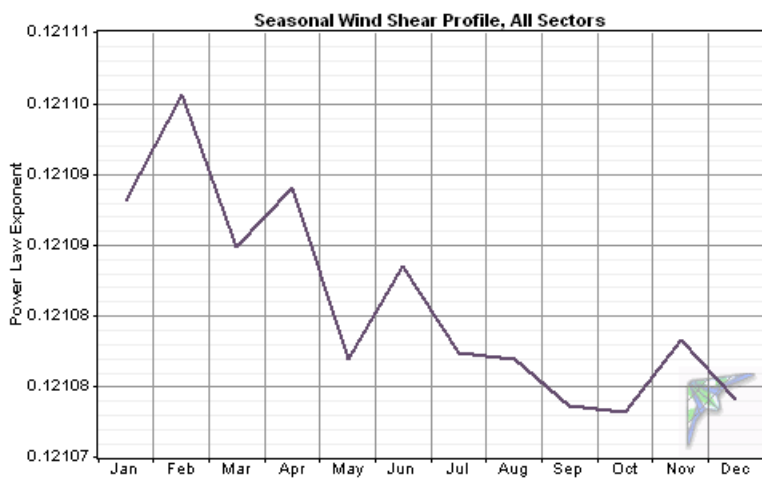
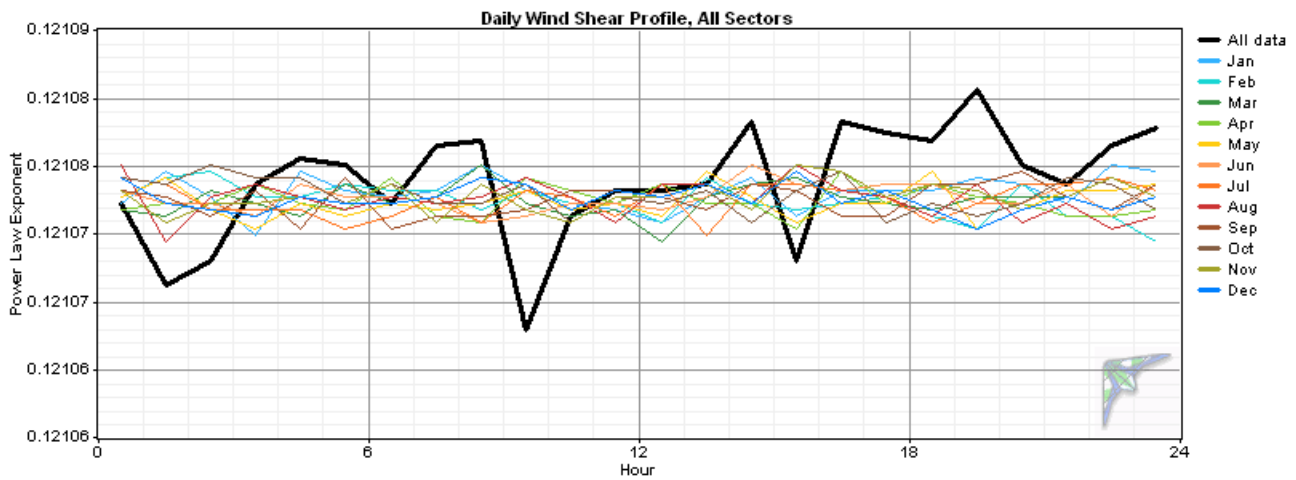
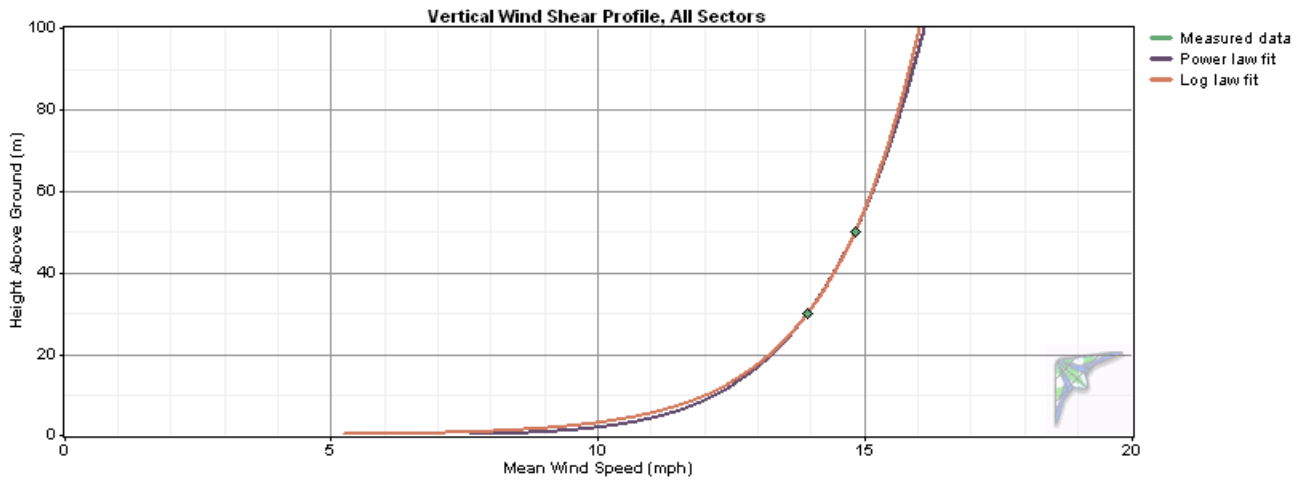
Variables	Values
Latitude	N 37.674000
Longitude	W 104.801100
Elevation	6105 ft
Start date	2/21/2006 16:00
End date	8/9/2011 08:40
Duration	5.5 years
Length of time step	10 minutes
Calm threshold	0 mph
Mean temperature	2.91 °C
Mean pressure	80.92 kPa
Mean air density	1.020 kg/m ³
Power density at 50m	356 W/m ²
Wind power class	3 (Fair)
Power law exponent	0.121
Surface roughness	0.00998 m
Roughness class	0.78
Roughness description	Rough pasture



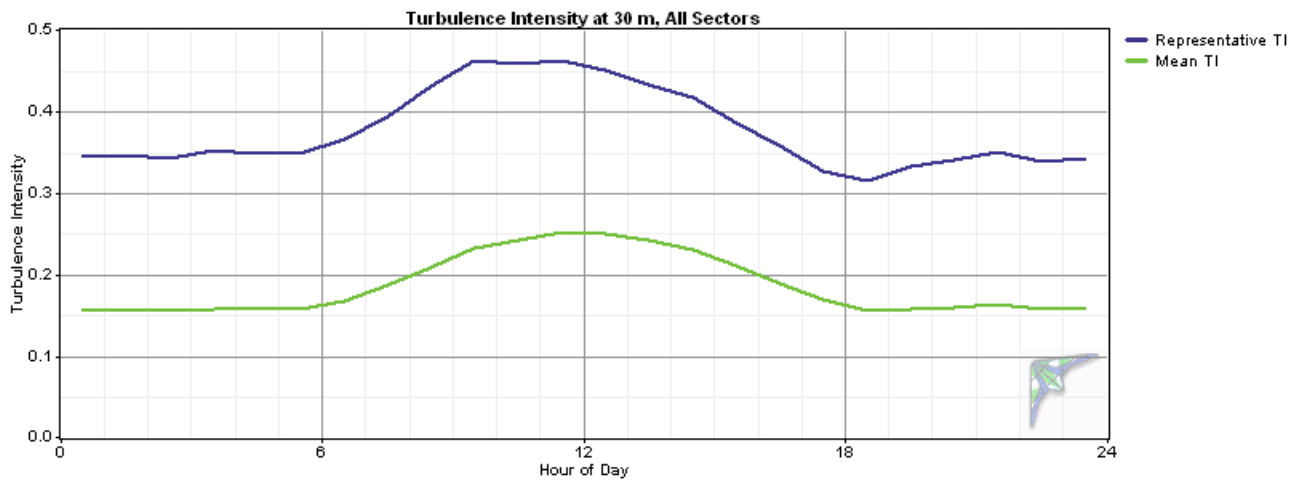
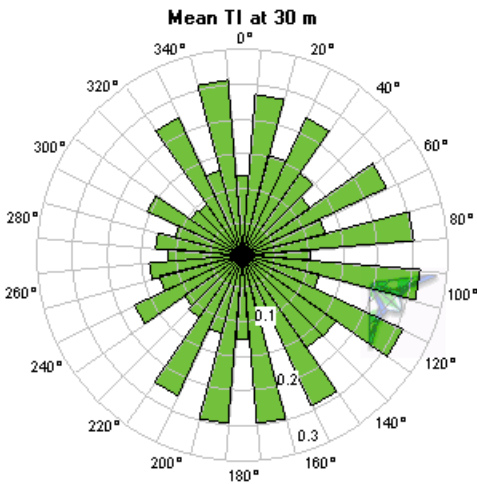
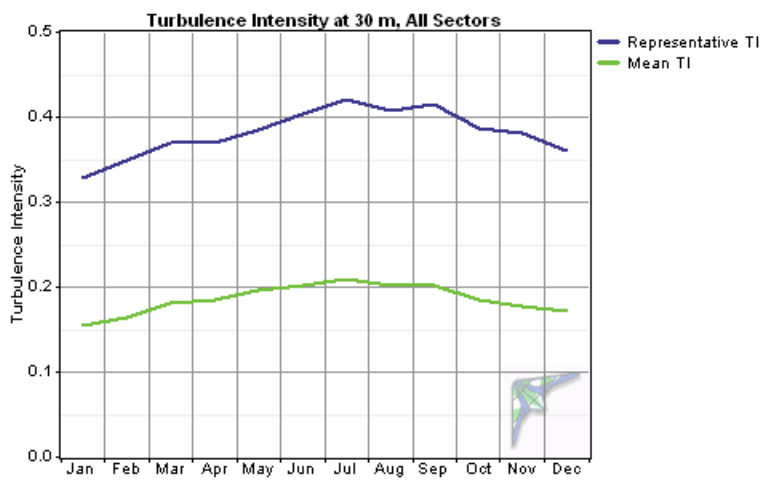
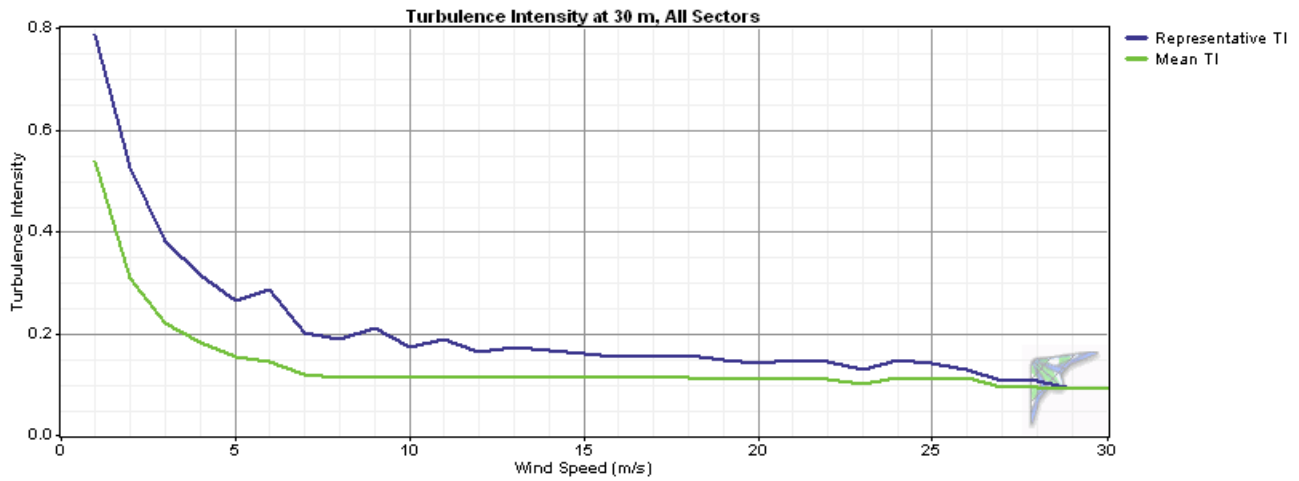
Wind Speed and Direction



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	287,236	283,685	98.76	13.94	0.52	66.33	8.77
WS30_SD	mph		287,236	283,685	98.76	1.96	0.00	13.63	1.30
WD30	°	30 m	287,236	282,307	98.28	211.7	0.0	359.9	96.3
Synthesized 50 m	mph	50 m	287,236	283,685	98.76	14.83	0.56	70.56	9.33