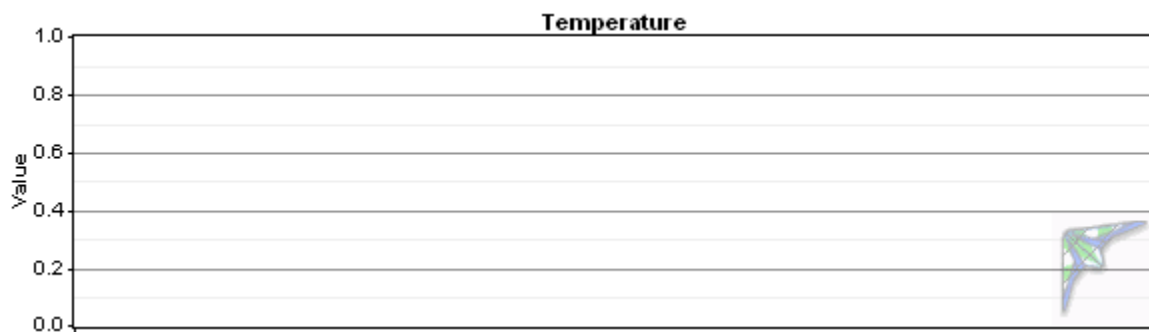


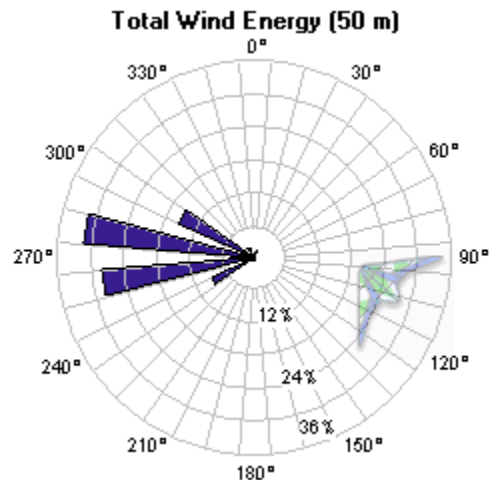
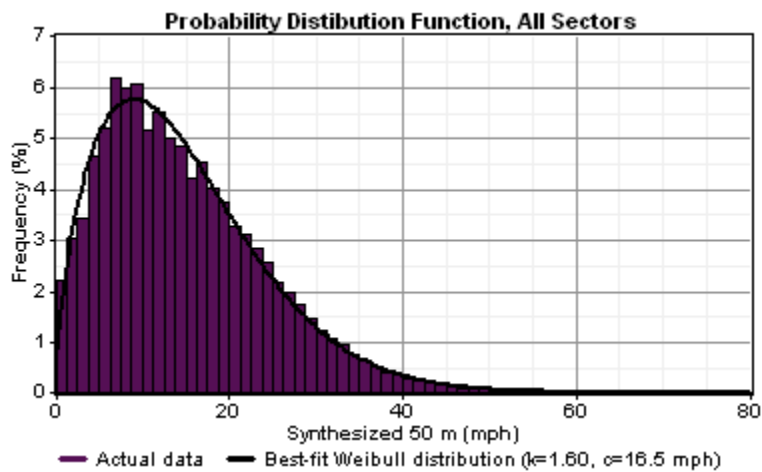
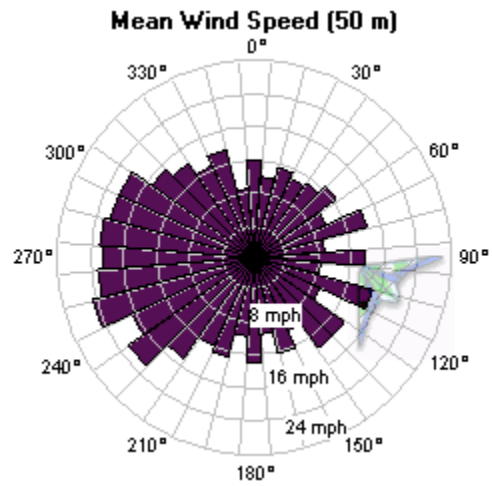
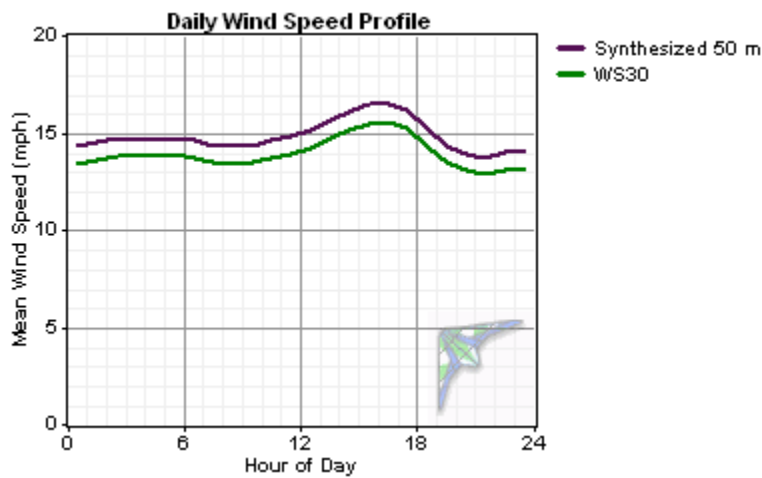
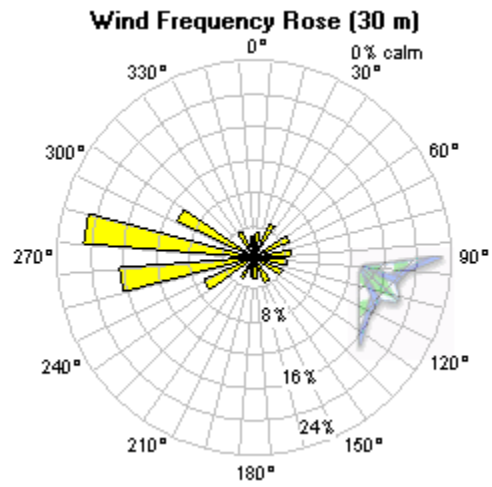
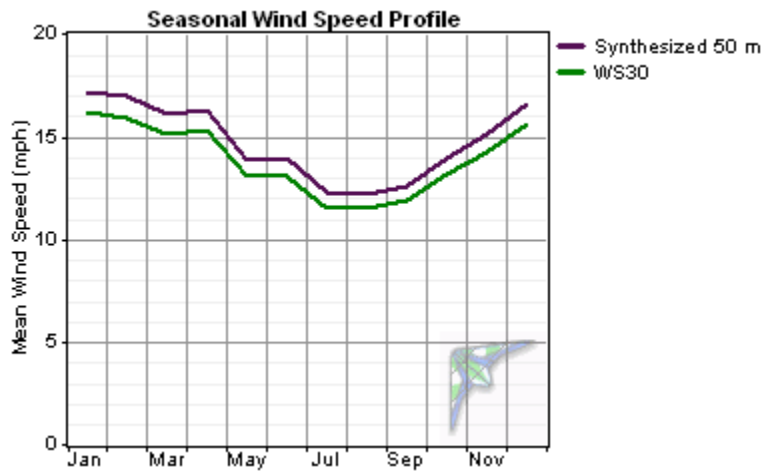
Data Set Properties

Data Set: Walsenburg_Airport_South_Mapes_2006_0221_to_2011_0429_with_data_validation_bad_WD30_WS30_removed_offset
Report Created: 5/17/2011 23:09

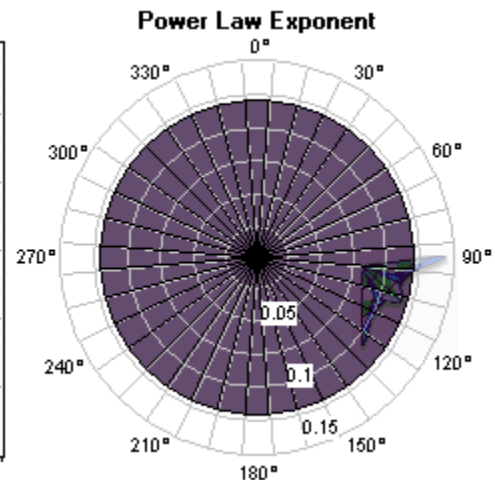
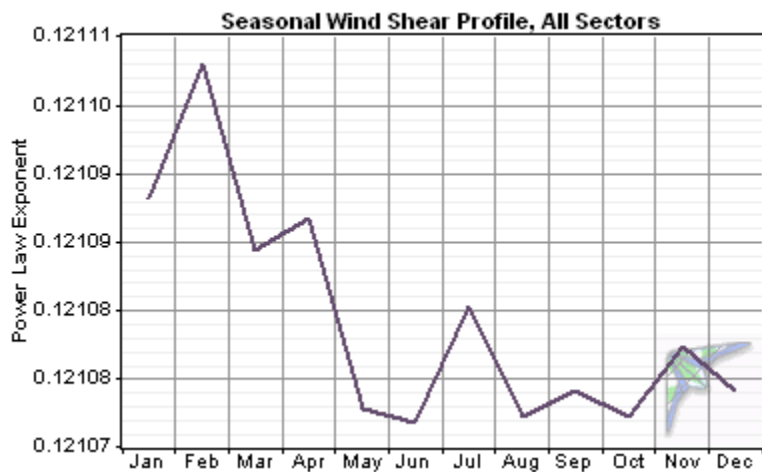
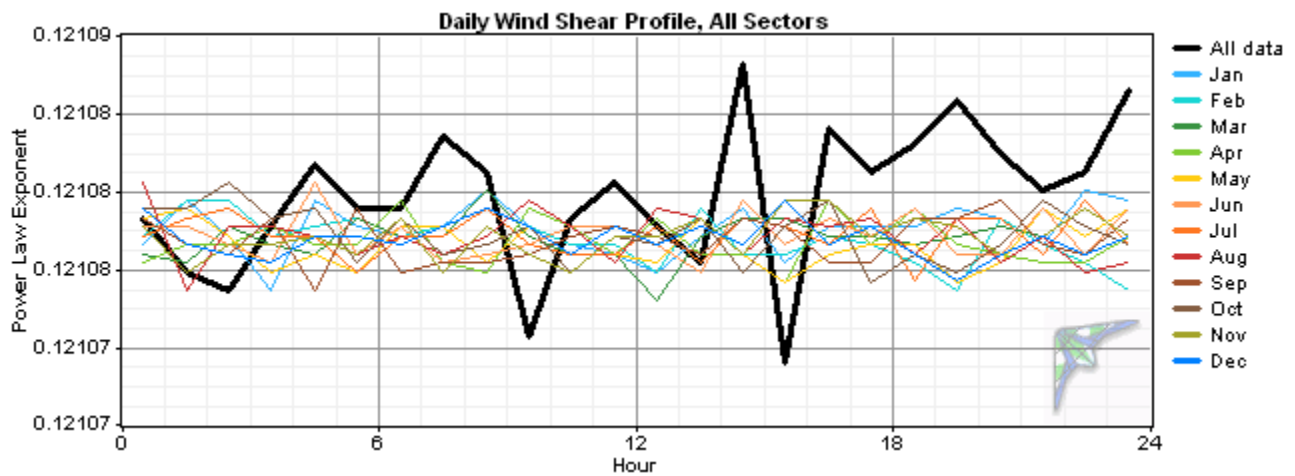
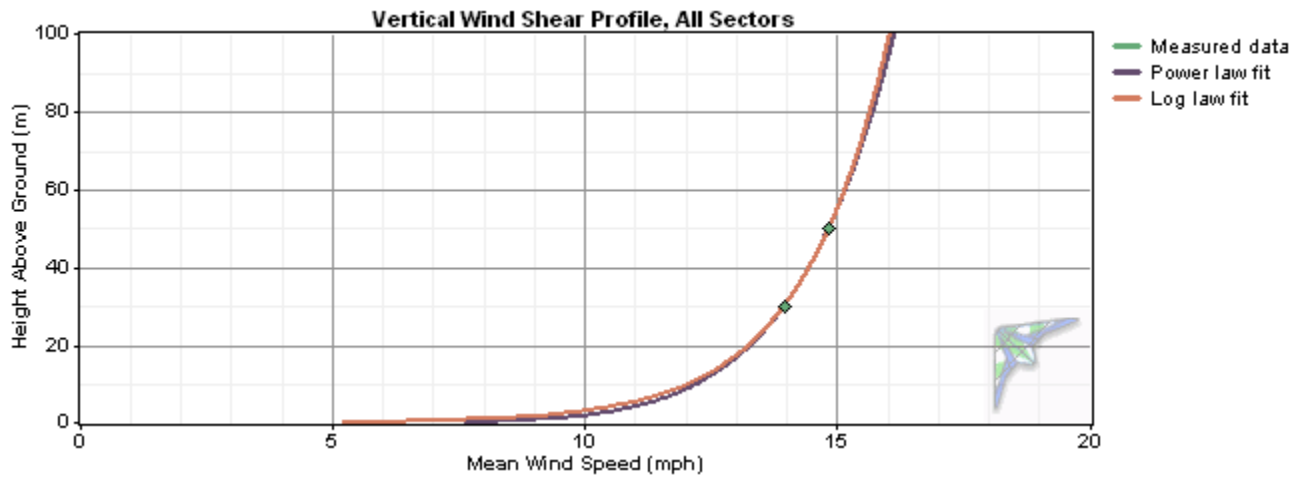
Variables	Values
Latitude	N 37.674000
Longitude	W 104.801100
Elevation	6105 ft
Start date	2/21/2006 16:00
End date	4/29/2011 09:10
Duration	5.2 years
Length of time step	10 minutes
Calm threshold	0 mph
Mean temperature	2.91 °C
Mean pressure	80.92 kPa
Mean air density	1.019 kg/m ³
Power density at 50m	352 W/m ²
Wind power class	3 (Fair)
Power law exponent	0.121
Surface roughness	0.00999 m
Roughness class	0.78
Roughness description	Rough pasture



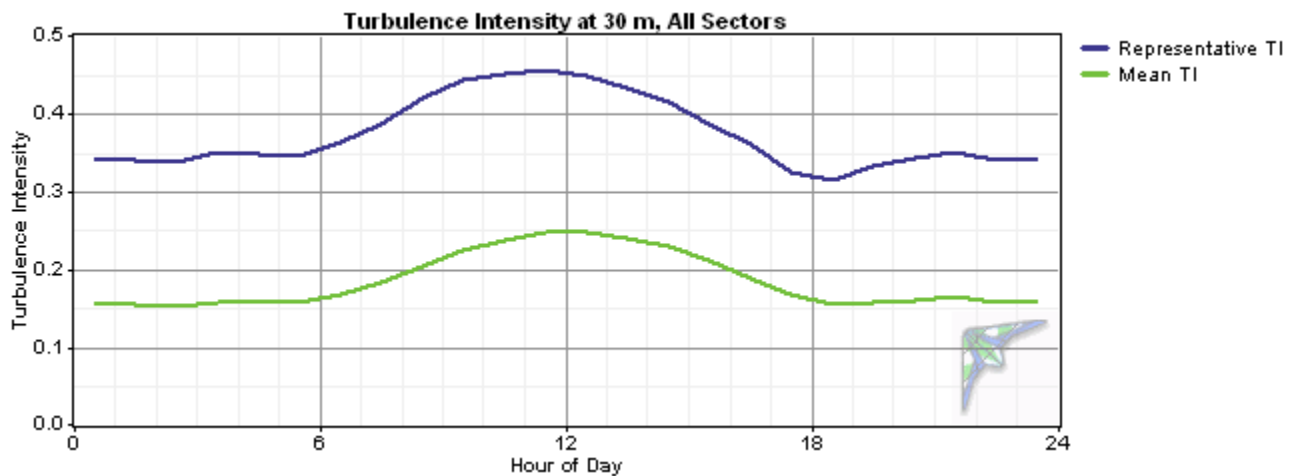
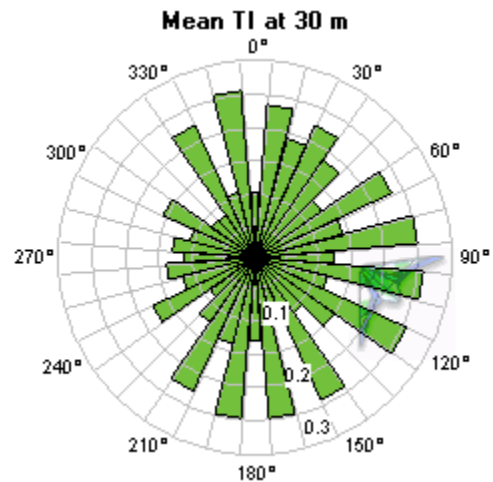
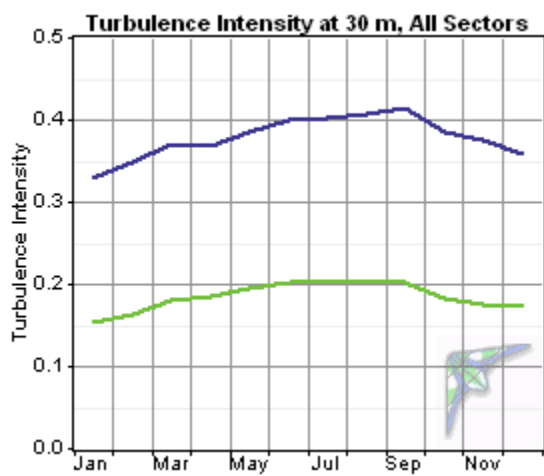
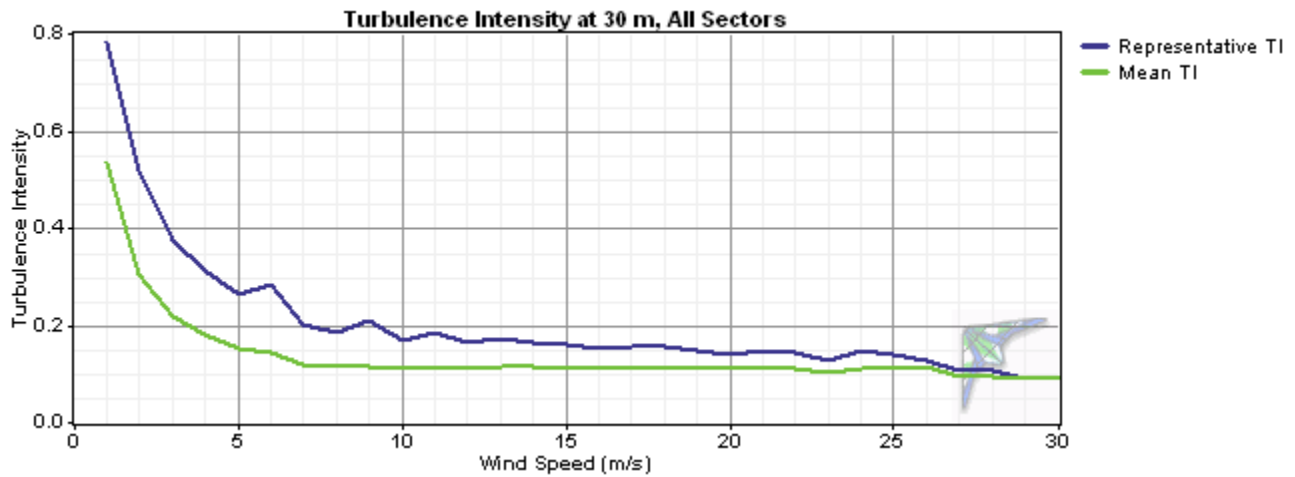
Wind Speed and Direction



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	272,551	269,000	98.70	13.95	0.48	66.33	8.80
WS30_SD	mph		272,551	269,000	98.70	1.95	0.00	13.63	1.29
WD30	°	30 m	272,551	267,622	98.19	211.5	0.3	359.7	96.3
Synthesized 50 m	mph	50 m	272,551	269,000	98.70	14.84	0.51	70.56	9.37