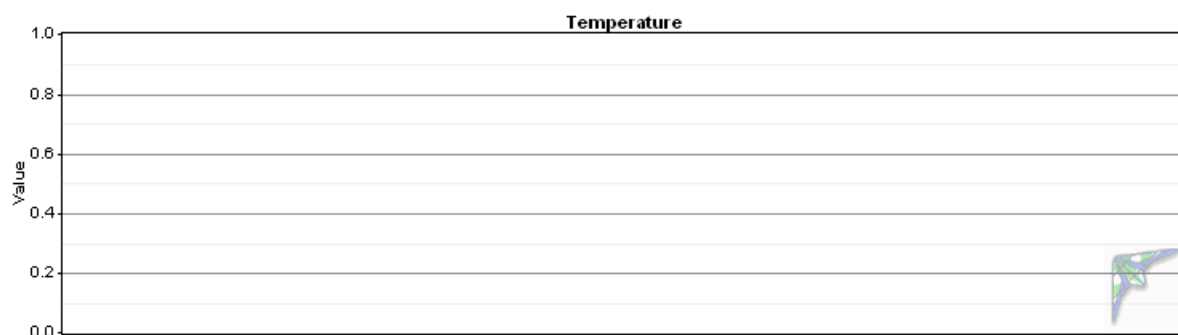


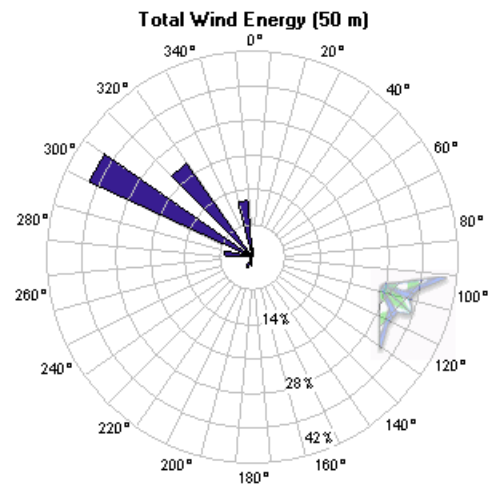
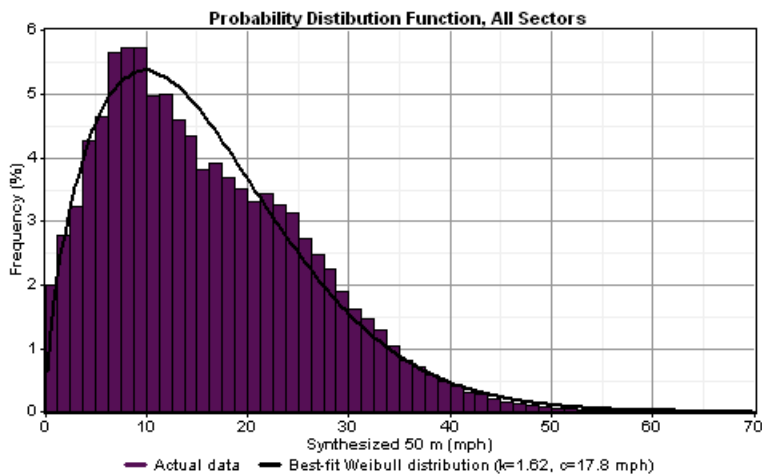
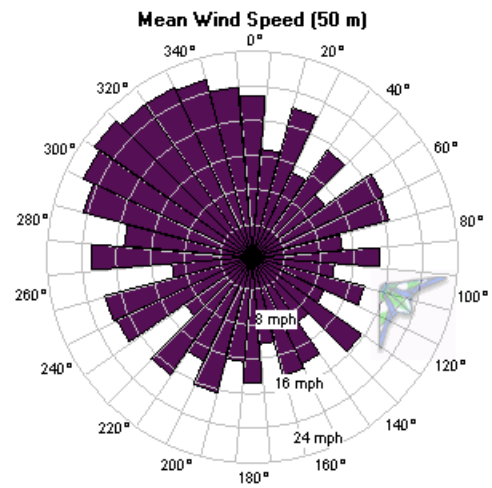
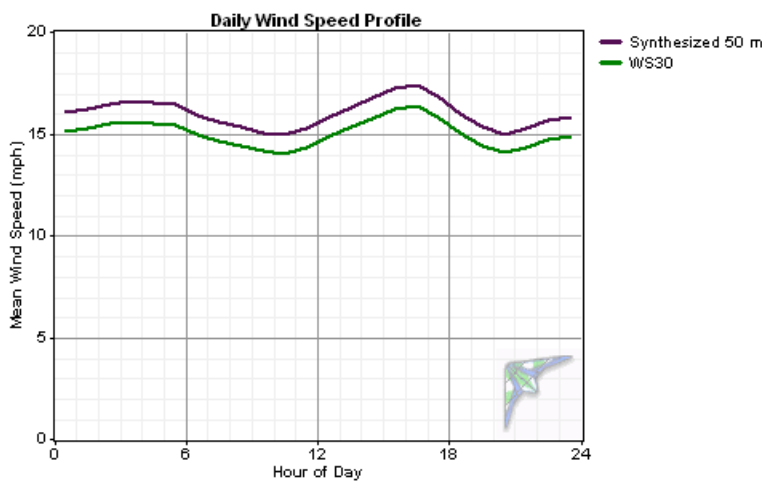
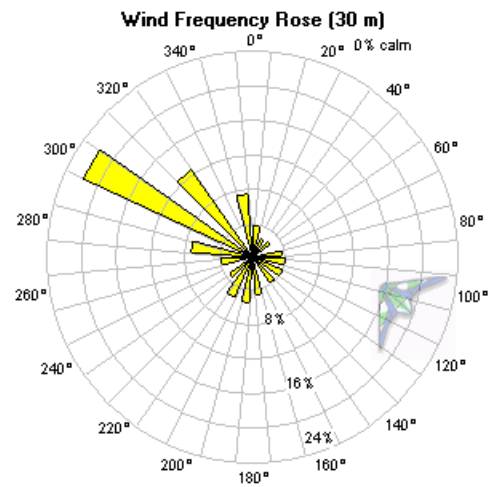
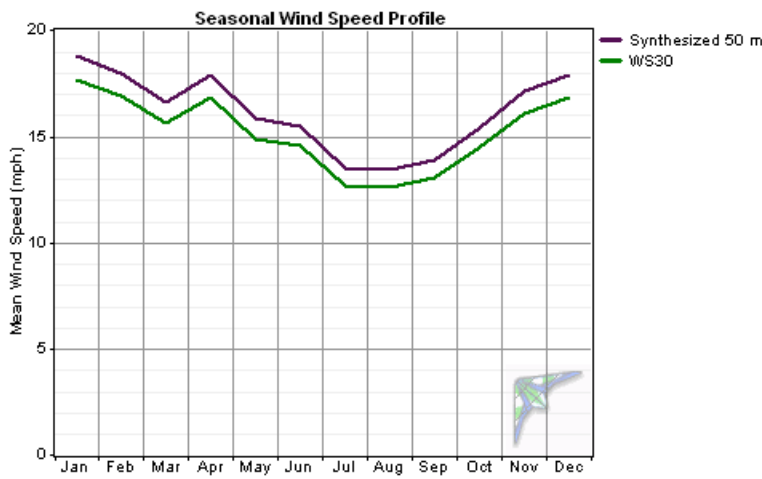
Data Set Properties

Data Set: Walsenburg_Airport_North_Potts_2006_0201_to_2011_0809_with_data_validation_offset_234_WWS.windog
Report Created: 8/24/2011 13:30

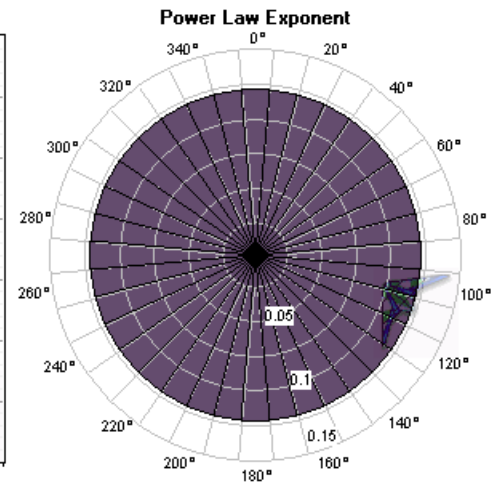
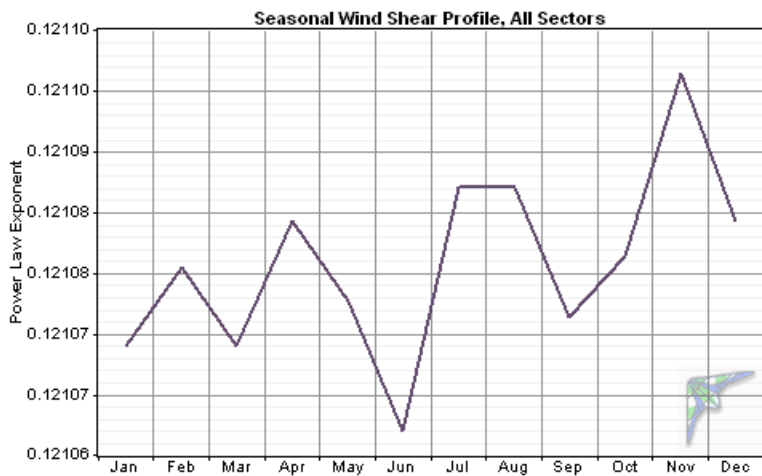
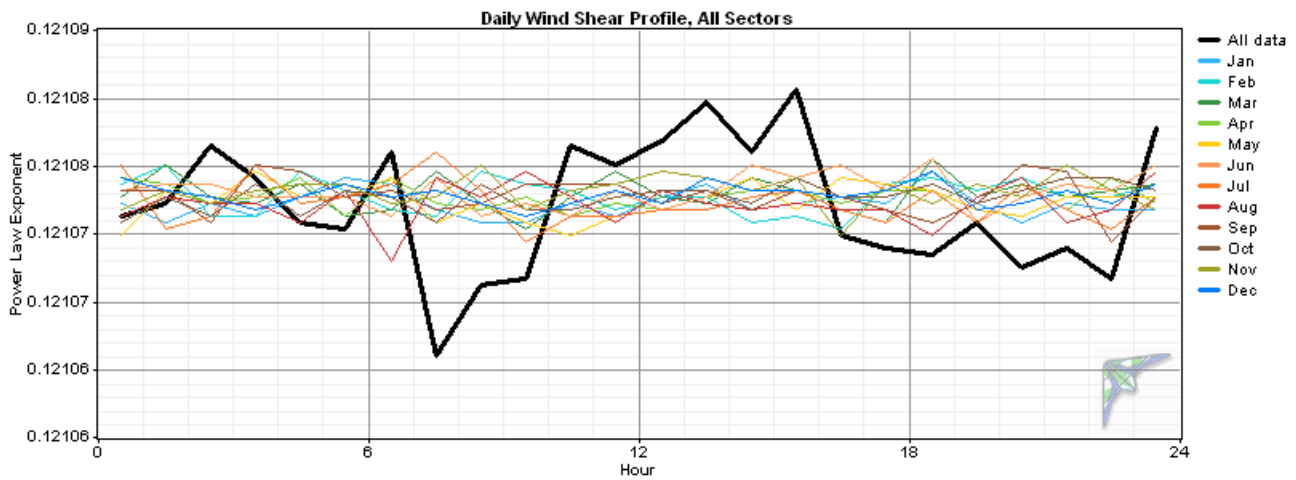
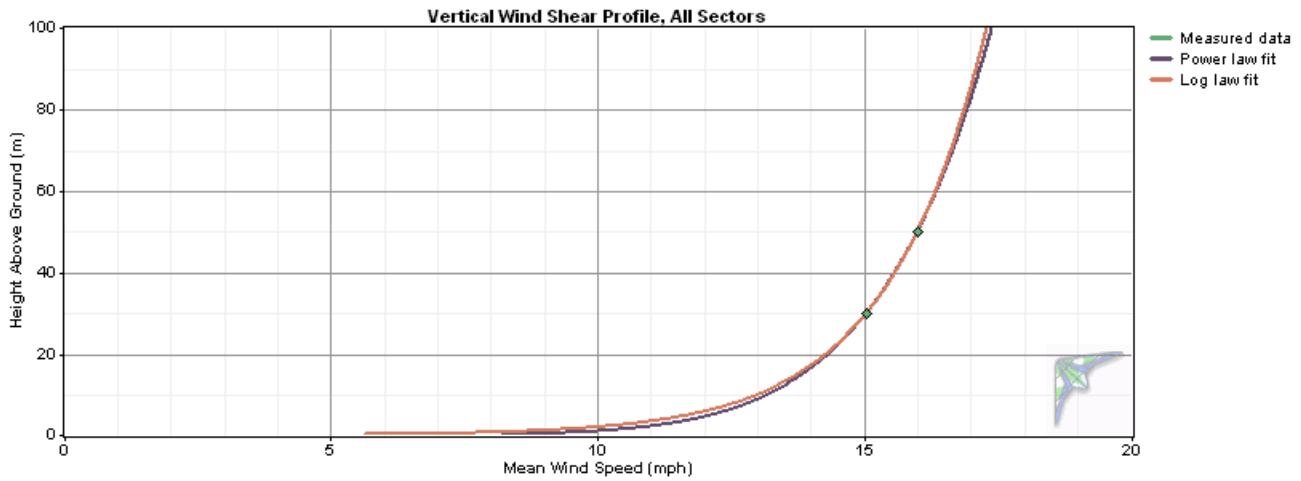
Variables	Values
Latitude	N 37.707800
Longitude	W 104.811200
Elevation	6190 ft
Start date	2/1/2006 07:30
End date	8/9/2011 08:00
Duration	5.5 years
Length of time step	10 minutes
Calm threshold	0 mph
Mean temperature	2.75 °C
Mean pressure	80.66 kPa
Mean air density	1.018 kg/m ³
Power density at 50m	452 W/m ²
Wind power class	4 (Good)
Power law exponent	0.121
Surface roughness	0.00999 m
Roughness class	0.78
Roughness description	Rough pasture



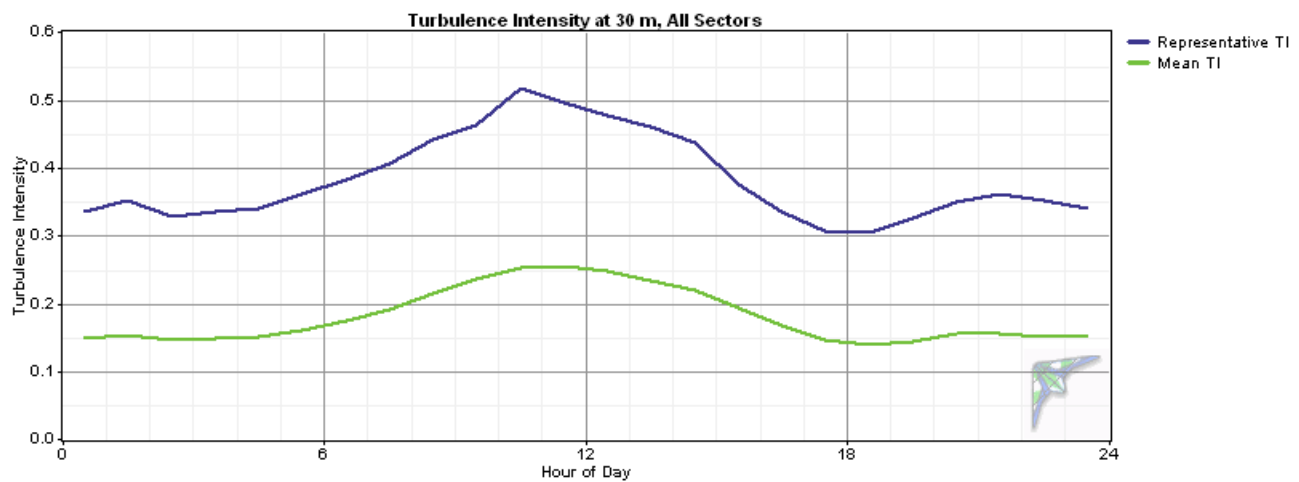
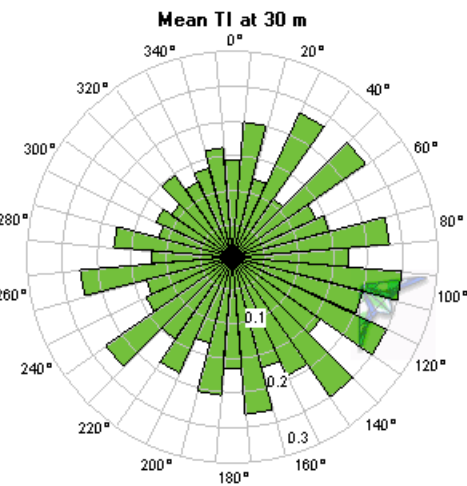
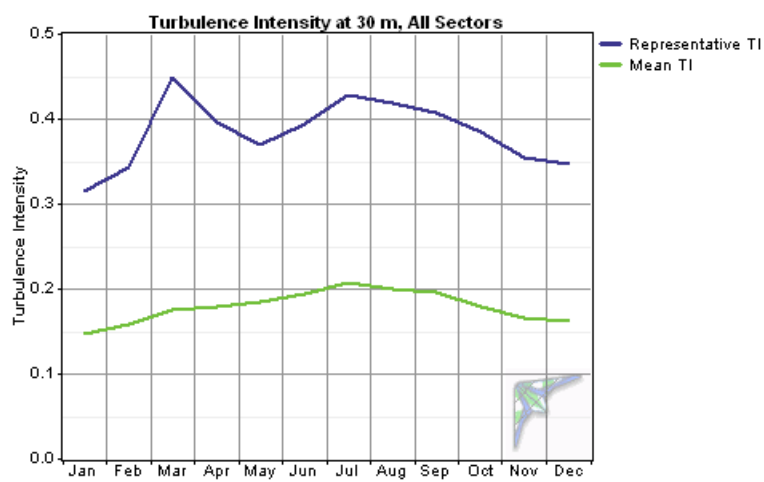
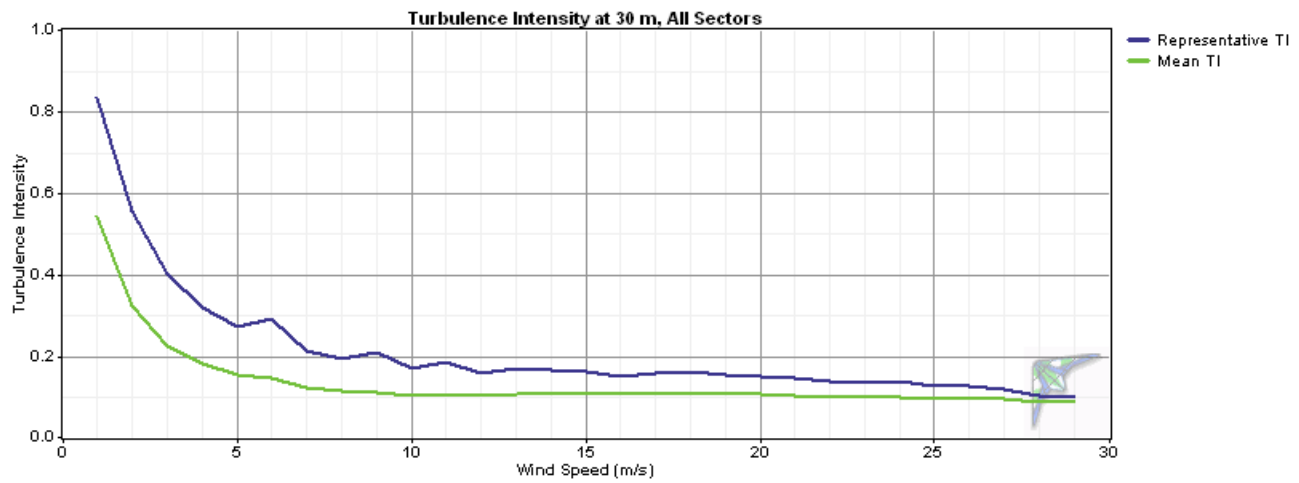
Wind Speed and Direction



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	290,163	262,257	90.38	15.03	0.57	64.00	9.40
WS30_SD	mph		290,163	262,257	90.38	2.01	0.00	22.97	1.35
WD30	°	30 m	290,163	262,257	90.38	229.5	0.1	360.0	100.3
Synthesized 50 m	mph	50 m	290,163	262,257	90.38	15.99	0.61	68.08	10.00