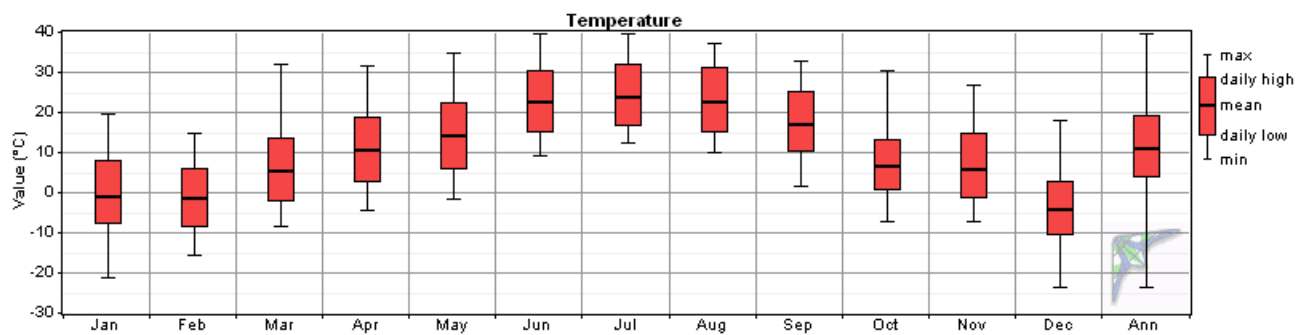


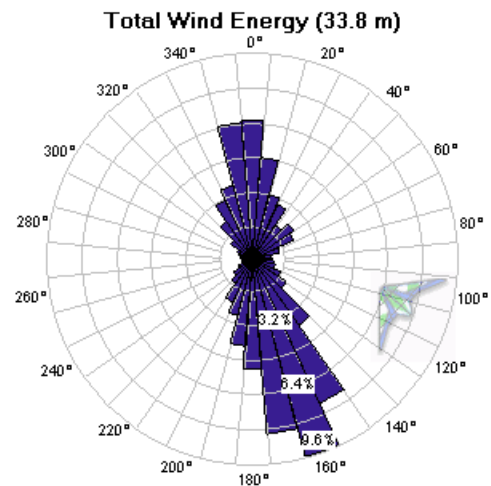
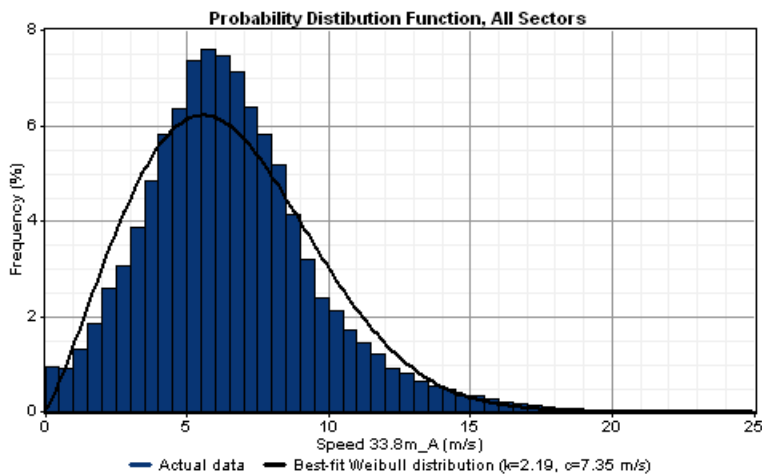
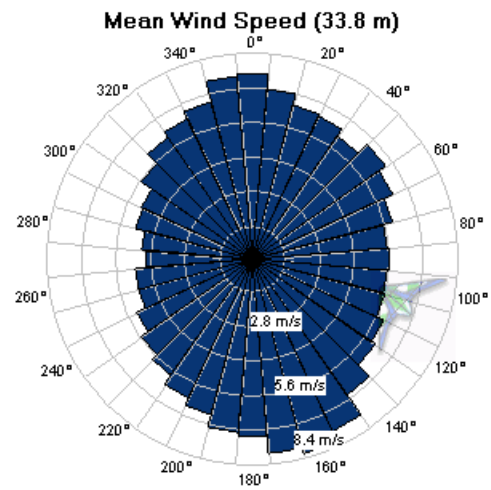
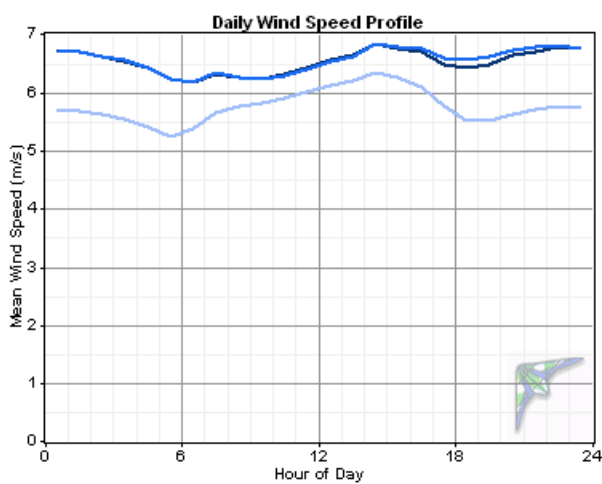
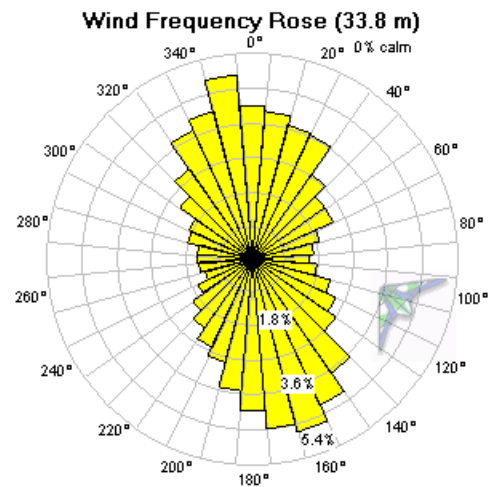
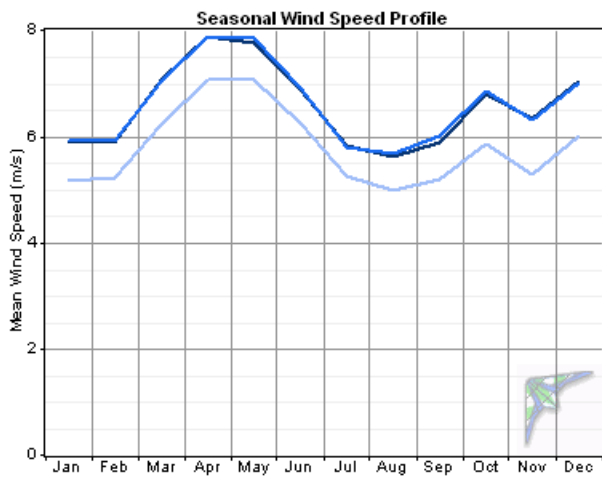
Data Set Properties

Data Set: Idalia_3902_2009_0717_to_2010_0809_with_data_validation.windog
 Report Created: 8/15/2010 20:56

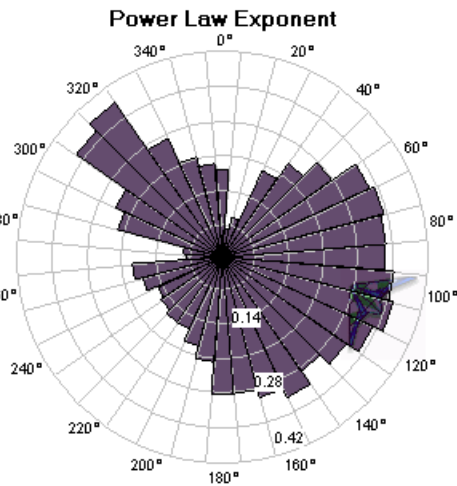
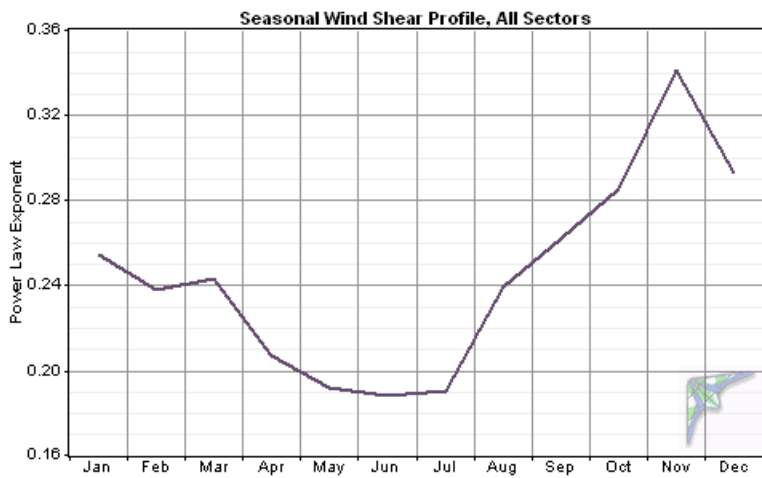
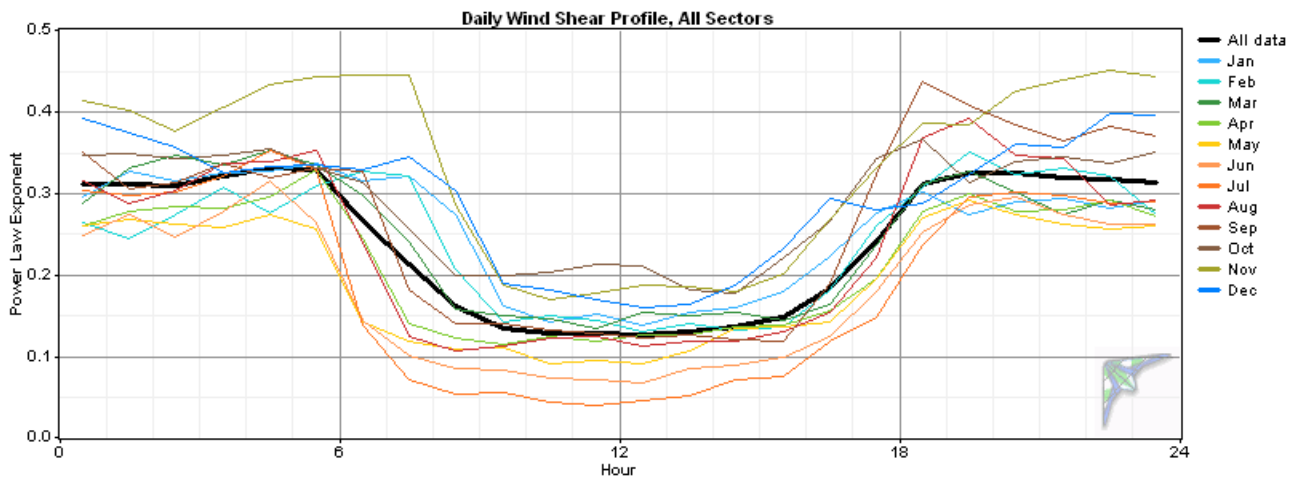
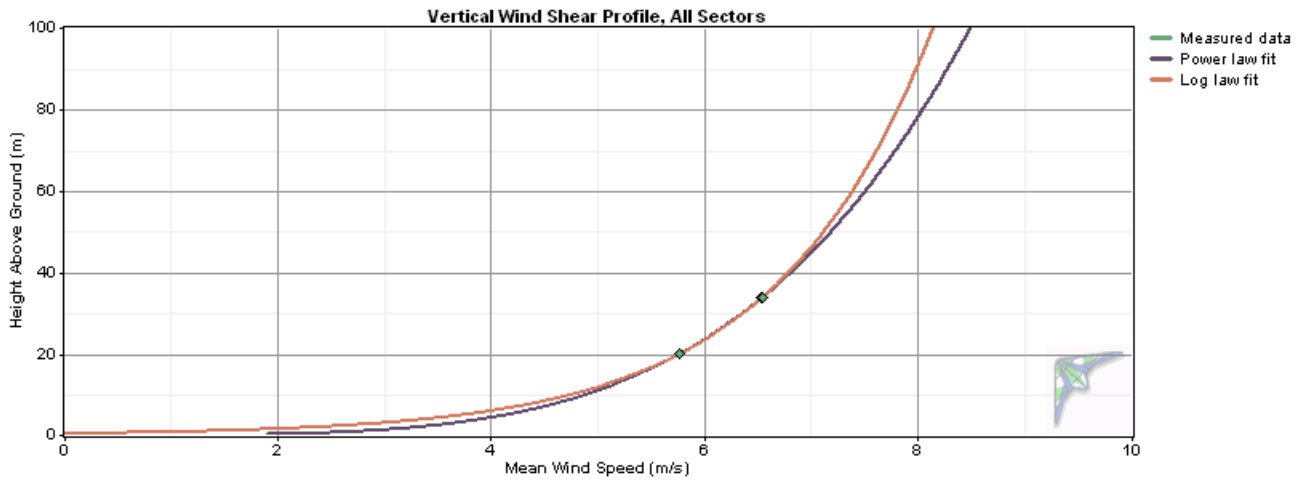
Variables	Values
Latitude	N 39° 41' 0.000"
Longitude	W 102° 20' 0.000"
Elevation	1127 m
Start date	7/17/2009 18:10
End date	8/9/2010 10:50
Duration	13 months
Length of time step	10 minutes
Calm threshold	0 m/s
Mean temperature	11.2 °C
Mean pressure	88.56 kPa
Mean air density	1.087 kg/m ³
Power density at 50m	355 W/m ²
Wind power class	3 (Fair)
Power law exponent	0.241
Surface roughness	0.408 m
Roughness class	3.17
Roughness description	Forest



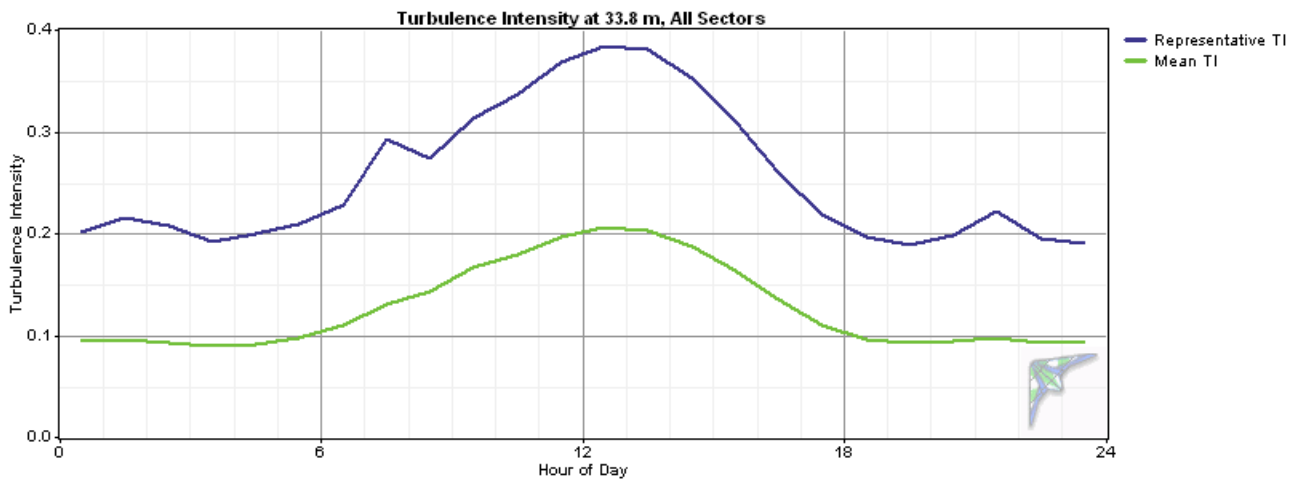
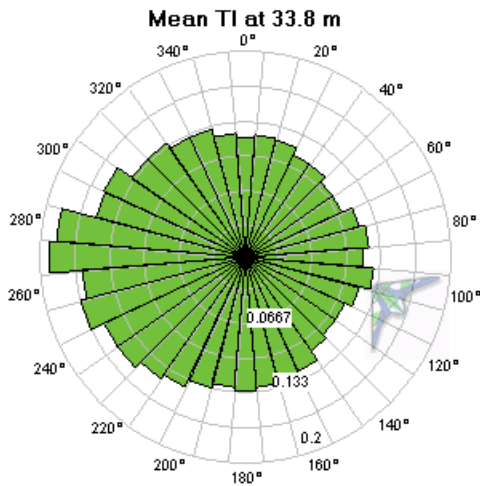
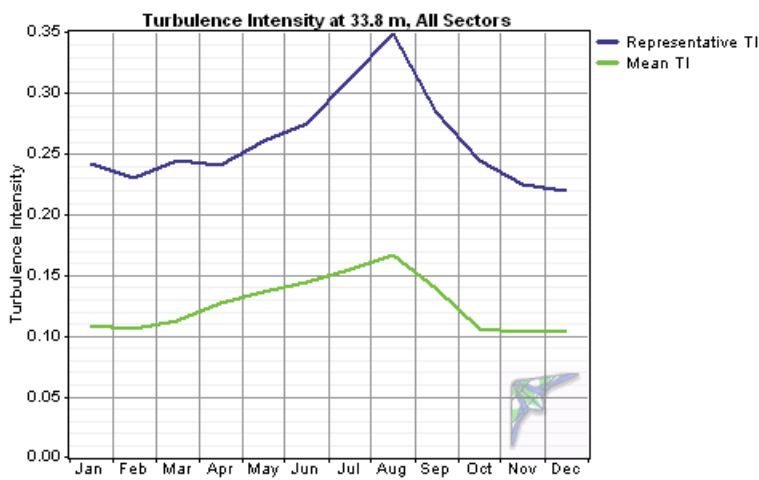
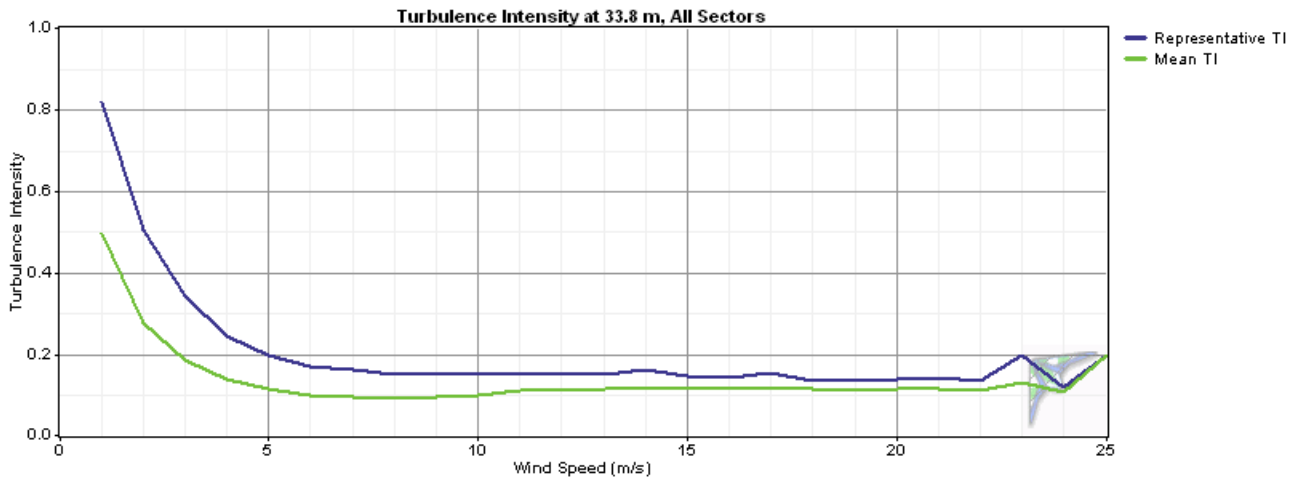
Wind Speed and Direction



Wind Shear



Turbulence Intensity



Data Column Properties

Label	Units	Height	Possible Records	Valid Records	Recovery Rate (%)	Mean	Min	Max	Std. Dev
Speed 33.8m_A	m/s	33.8 m	55,828	55,828	100	6.53	0.28	24.73	3.09
Speed 33.8m_A SD	m/s		55,828	55,828	100	0.715	0.000	7.230	0.452
Speed 33.8m_A Max	m/s		55,828	55,828	100	8.22	0.33	33.80	3.97
Speed 33.8m_A Min	m/s		55,828	55,828	100	4.66	0.33	18.93	2.50
Speed 33.8m_B	m/s	33.8 m	55,828	55,828	100	6.55	0.28	24.86	3.02
Speed 33.8m_B SD	m/s		55,828	55,828	100	0.715	0.000	7.180	0.450
Speed 33.8m_B Max	m/s		55,828	55,828	100	8.25	0.40	34.02	3.91
Speed 33.8m_B Min	m/s		55,828	55,828	100	4.68	0.40	17.76	2.44
Speed 20m	m/s	20 m	55,828	55,828	100	5.76	0.24	22.46	2.73
Speed 20m SD	m/s		55,828	55,828	100	0.754	0.000	6.910	0.482
Speed 20m Max	m/s		55,828	55,828	100	7.57	0.35	32.98	3.77
Speed 20m Min	m/s		55,828	55,828	100	3.82	0.35	15.15	1.98
Direction 33.8m	°	33.8 m	55,828	55,828	100	178.2	0.0	360.0	108.7
Direction 33.8m SD	°		55,828	55,828	100	7.6	0.0	116.0	8.0
Direction 33.8m Max	°		55,828	55,828	100	174.5	0.0	356.0	110.8
Direction 33.8m Min	°		55,828	55,828	100	0	0	0	0
Temperature	°C		55,828	55,828	100	11.18	-23.60	39.70	11.76
Temperature SD	°C		55,828	55,828	100	0.069	0.000	4.500	0.131
Temperature Max	°C		55,828	55,828	100	11.53	-23.40	40.30	11.79
Temperature Min	°C		55,828	55,828	100	10.92	-23.90	39.60	11.76