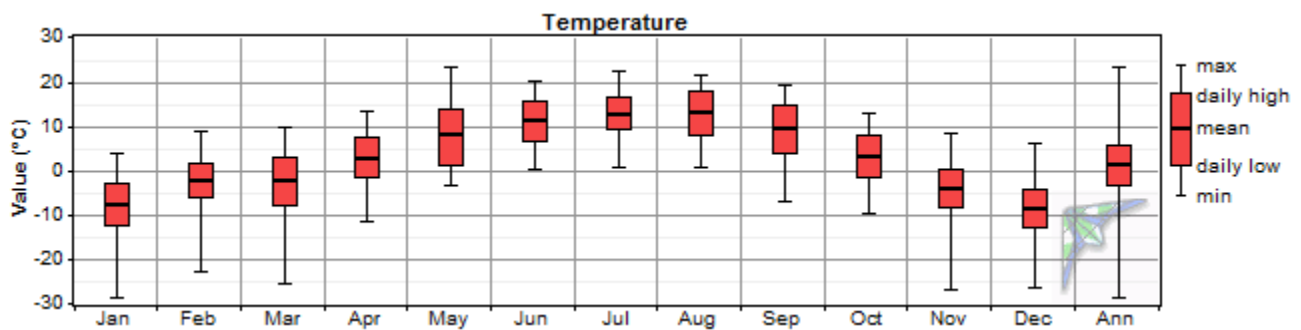


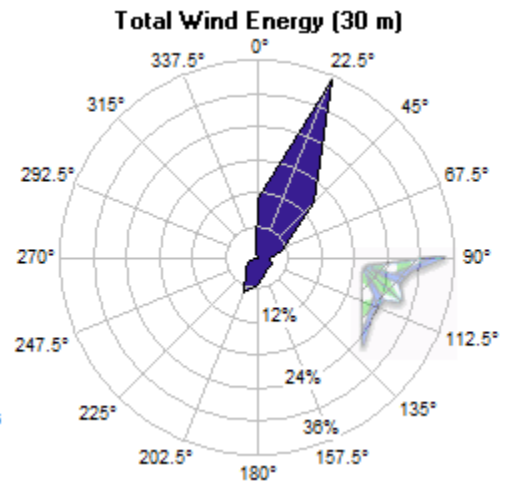
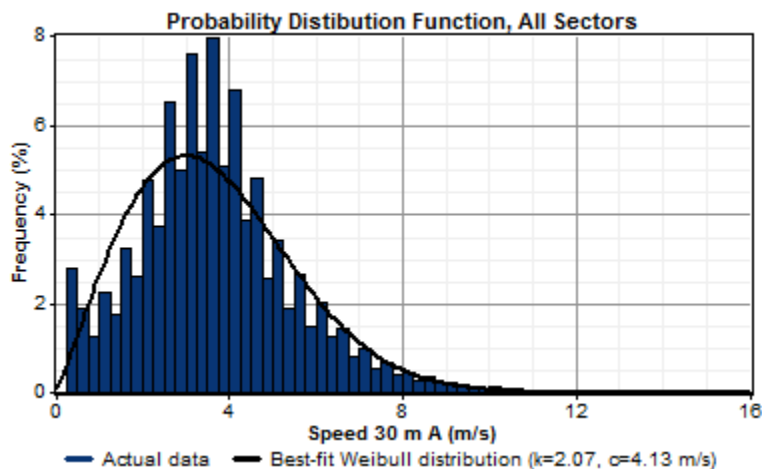
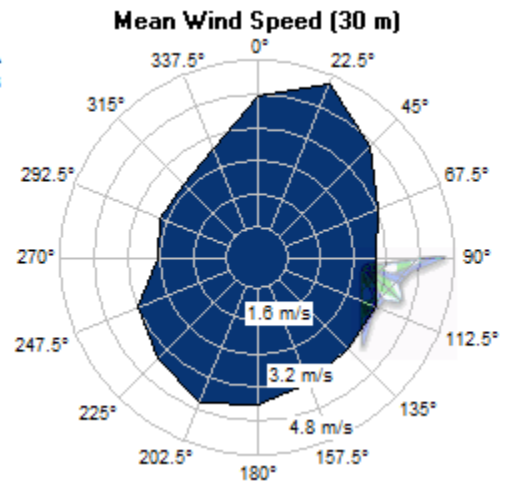
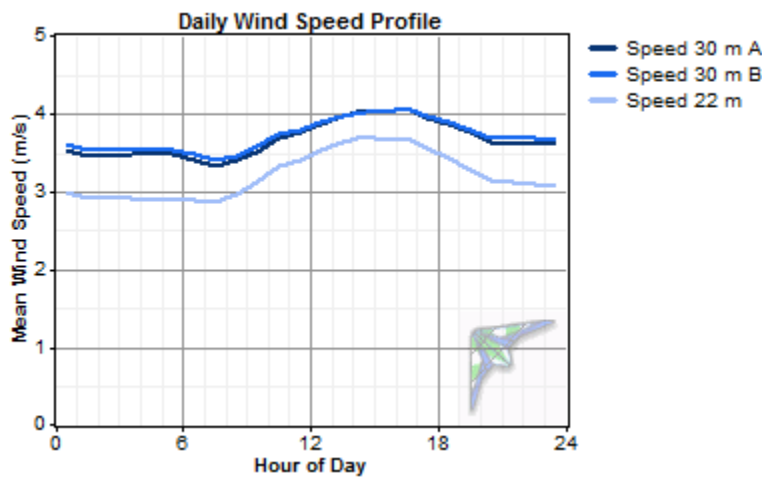
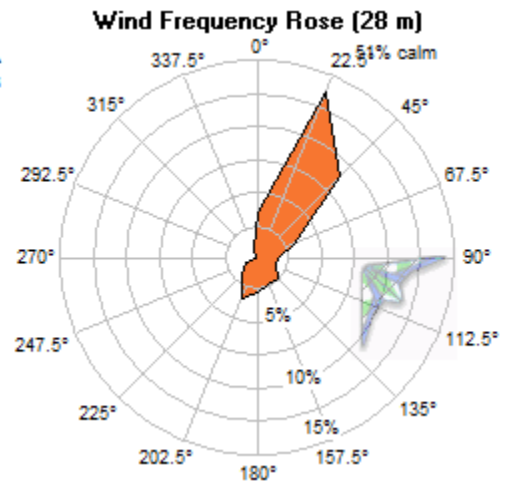
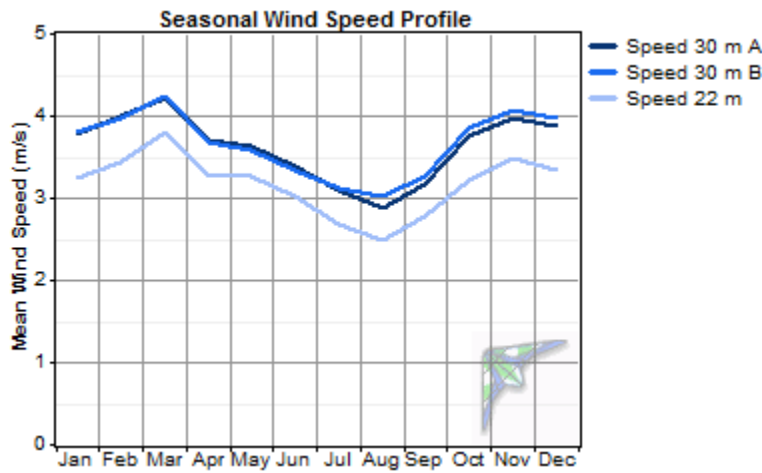
Data Set Properties

Data Set: Ionia 7500.windog
 Report Created: 2/28/2011 11:04

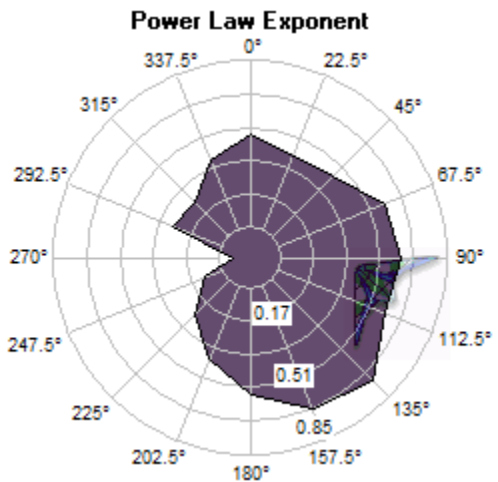
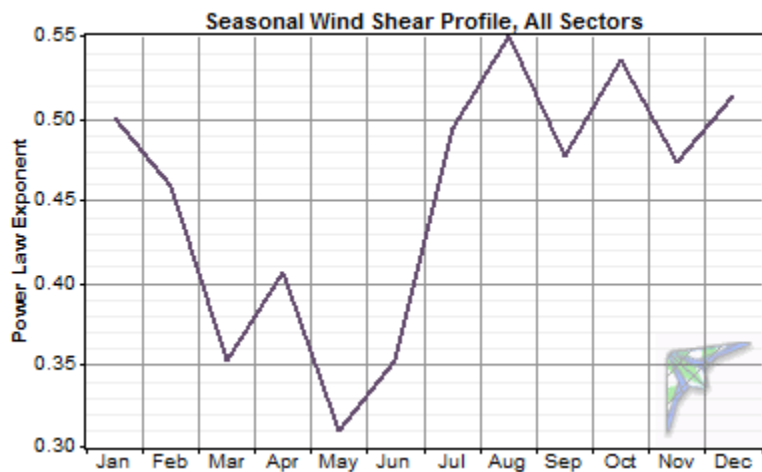
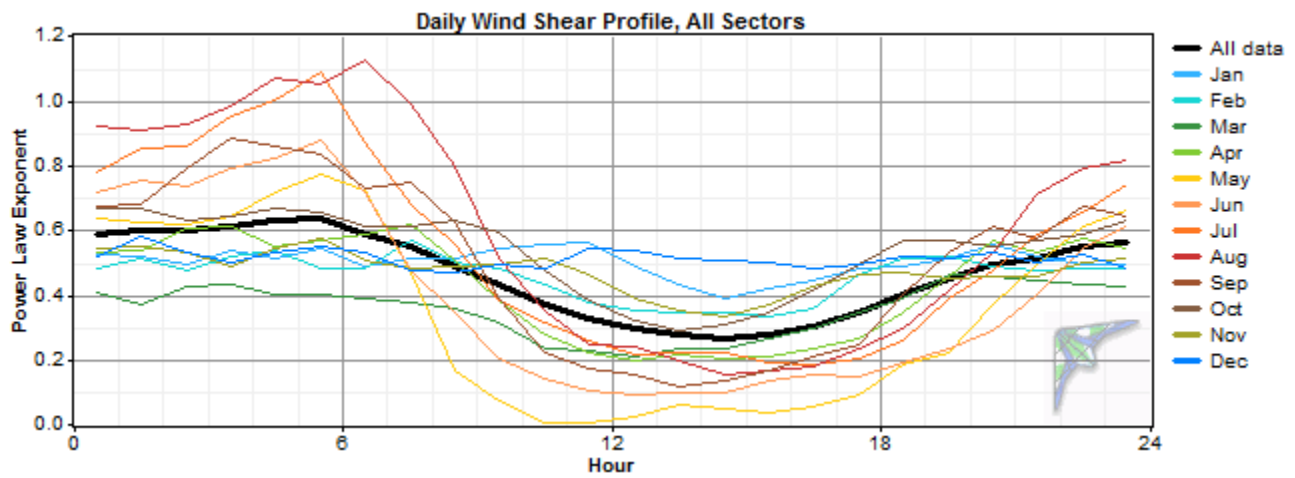
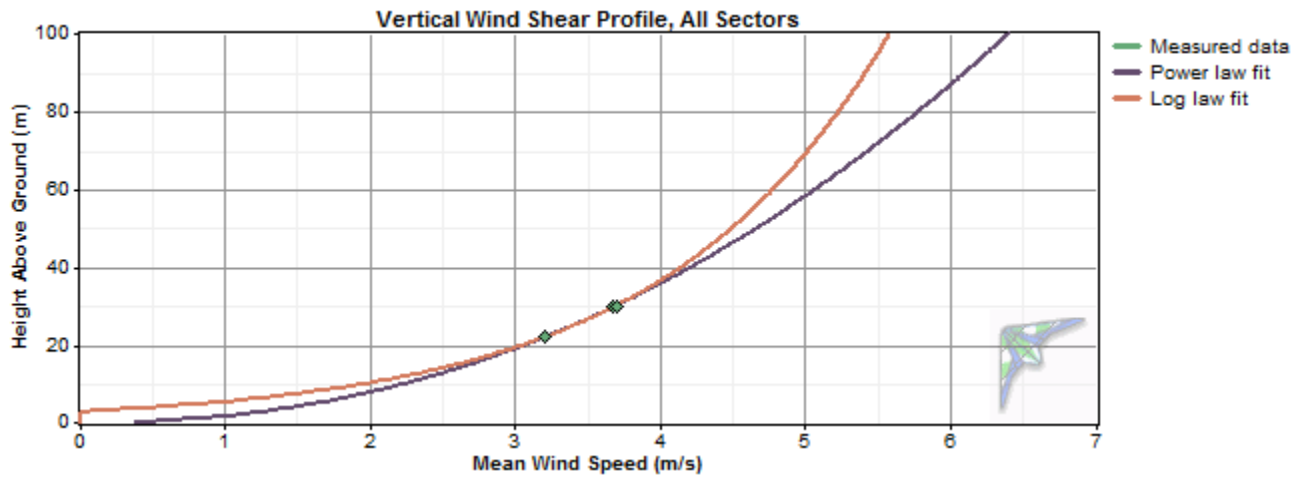
Variables	Values
Latitude	N 60° 22' 0.000"
Longitude	W 151° 21' 0.000"
Elevation	20 m
Start date	10/25/2009 00:00
End date	2/8/2011 11:00
Duration	15 months
Length of time step	10 minutes
Calm threshold	3.5 m/s
Mean temperature	1.37 °C
Mean pressure	101.1 kPa
Mean air density	1.283 kg/m ³
Power density at 50m	92 W/m ²
Wind power class	1 (Poor)
Power law exponent	0.457
Surface roughness	2.88 m
Roughness class	4.79
Roughness description	Urban



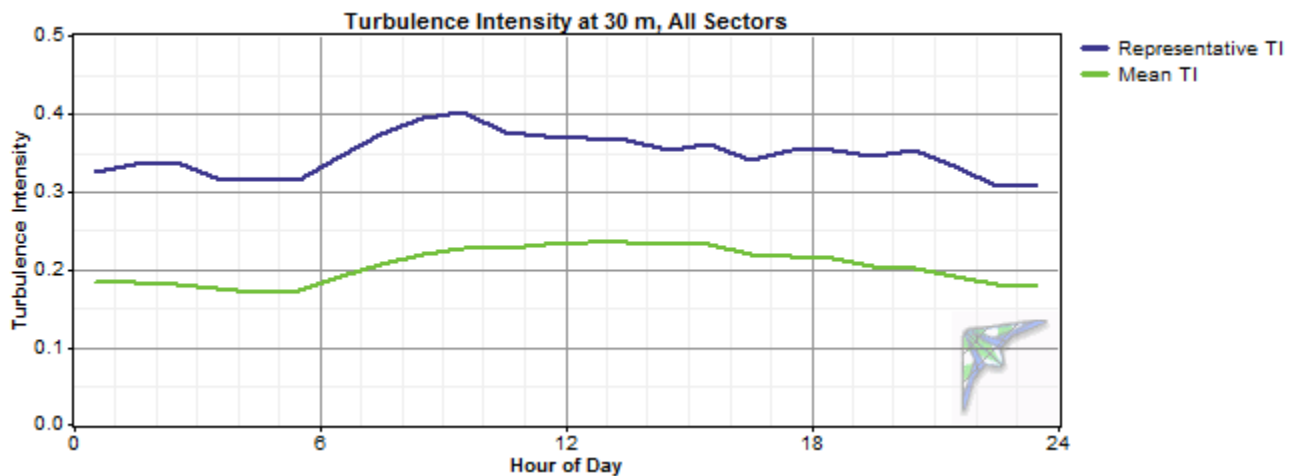
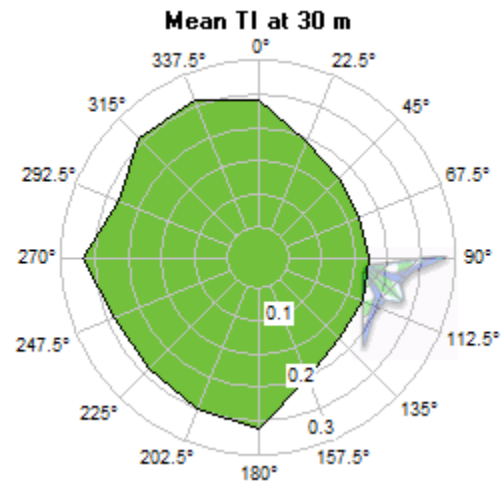
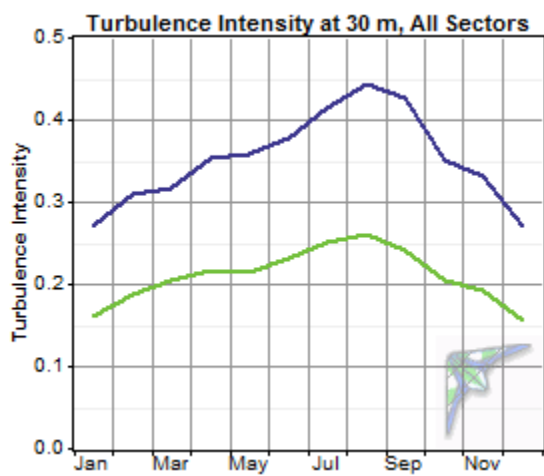
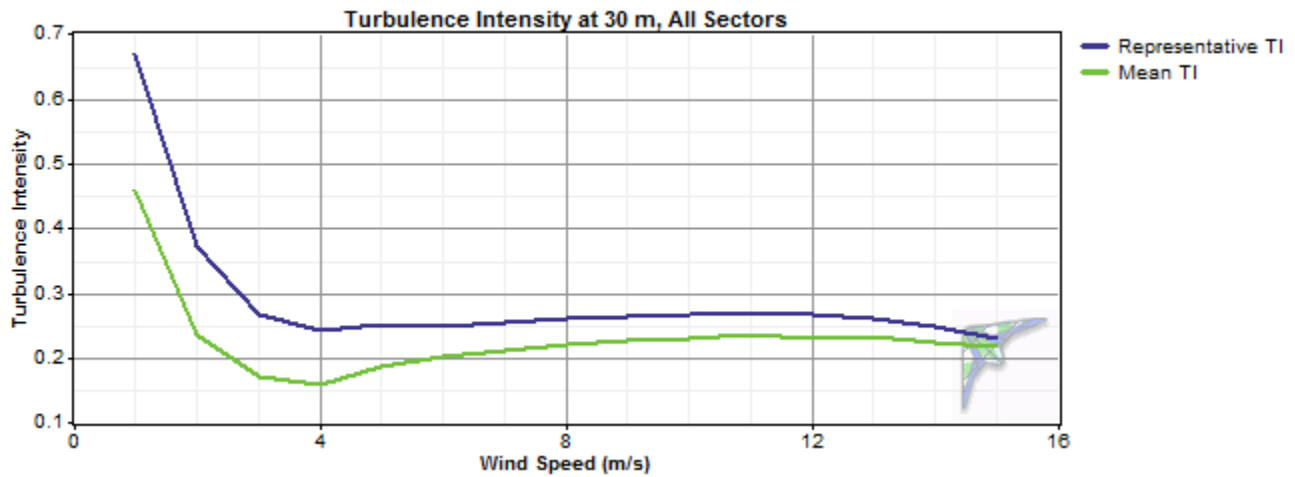
Wind Speed and Direction



Wind Shear



Turbulence Intensity



Data Column Properties

Label	Units	Height	Possible Records	Valid Records	Recovery Rate (%)	Mean	Min	Max	Std. Dev
Speed 30 m A	m/s	30 m	67,890	63,693	93.82	3.67	0.40	14.70	1.84
Speed 30 m A SD	m/s		67,890	65,454	96.41	0.684	0.000	4.000	0.453
Speed 30 m A Max	m/s		67,890	66,522	97.98	5.27	0.40	23.30	3.04
Speed 30 m A Min	m/s		67,890	66,522	97.98	1.913	0.400	7.600	1.114
Speed 30 m B	m/s	30 m	67,890	64,900	95.60	3.71	0.40	14.90	1.80
Speed 30 m B SD	m/s		67,890	65,529	96.52	0.678	0.000	4.100	0.456
Speed 30 m B Max	m/s		67,890	66,522	97.98	5.37	0.40	23.30	3.01
Speed 30 m B Min	m/s		67,890	66,522	97.98	2.037	0.400	8.000	1.056
Speed 22 m	m/s	22 m	67,890	64,565	95.10	3.20	0.40	13.10	1.79
Speed 22 m SD	m/s		67,890	65,454	96.41	0.712	0.000	3.800	0.448
Speed 22 m Max	m/s		67,890	66,522	97.98	4.96	0.40	22.60	2.98
Speed 22 m Min	m/s		67,890	66,522	97.98	1.479	0.400	6.800	0.958
Direction 28 m	°	28 m	67,890	65,751	96.85	117.7	0.0	359.0	99.1
Direction 28 m SD	°		67,890	65,751	96.85	12.9	0.0	127.0	9.9
Direction 28 m Max	°		67,890	66,522	97.98	128.2	0.0	359.0	101.6
Direction 28 m Min	°		67,890	66,522	97.98	220	220	220	0
Temperature	°C		67,890	66,522	97.98	1.37	-28.70	23.10	9.49
Temperature SD	°C		67,890	66,522	97.98	0.044	0.000	1.700	0.097
Temperature Max	°C		67,890	66,522	97.98	1.60	-28.60	23.50	9.50
Temperature Min	°C		67,890	66,522	97.98	1.13	-28.90	22.60	9.45