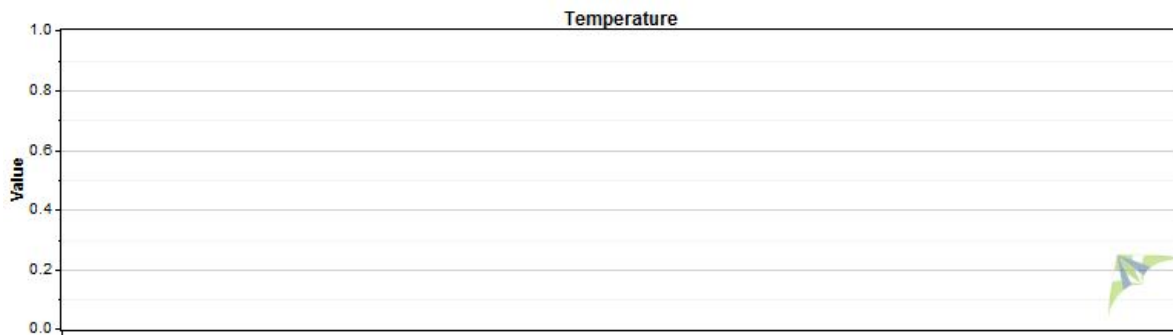


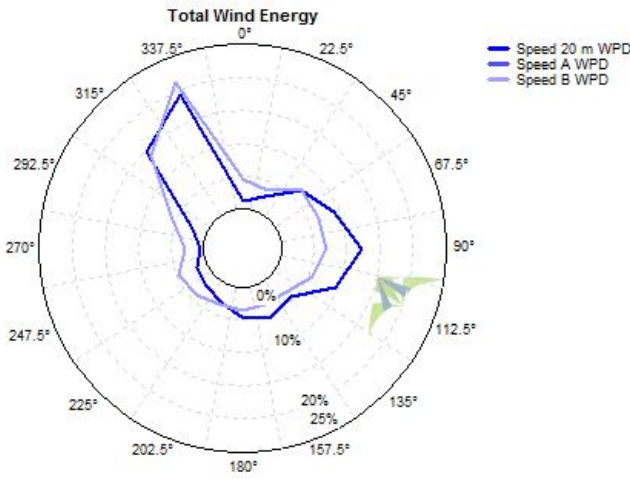
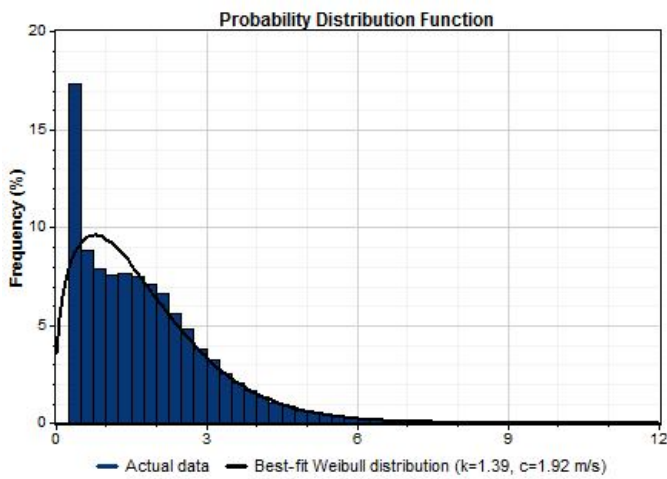
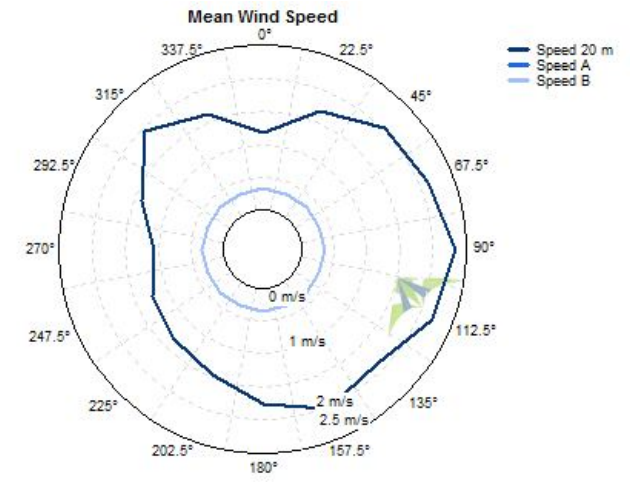
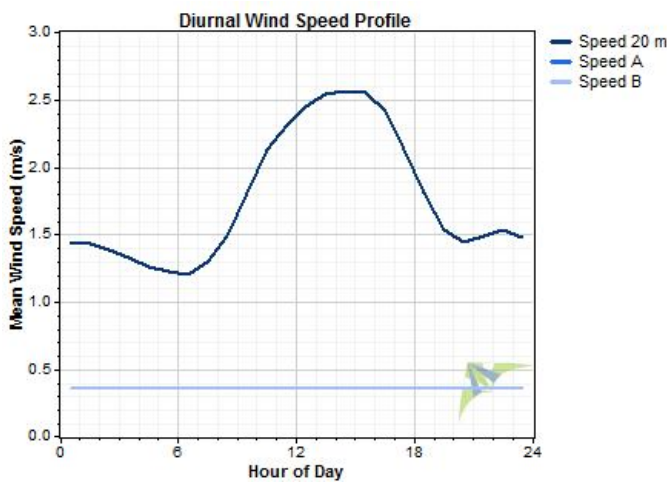
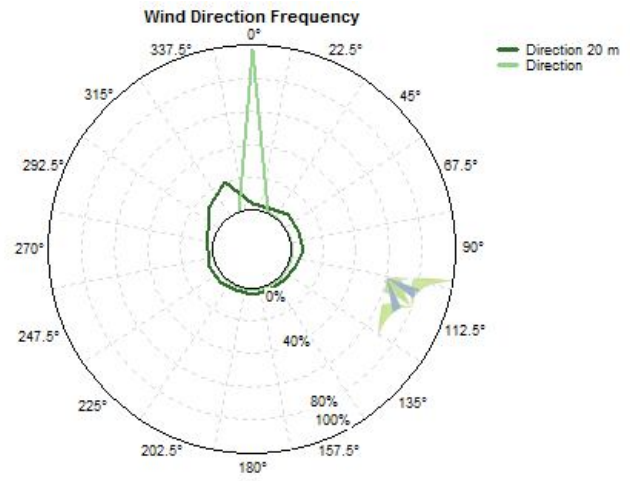
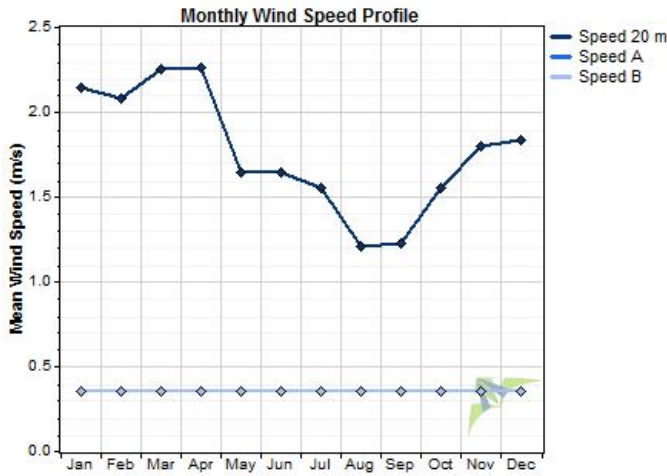
Data Set Properties

Report Created: 2/16/2017 12:31 using Windographer 3.3.11
 Filter Settings: <Unflagged data>

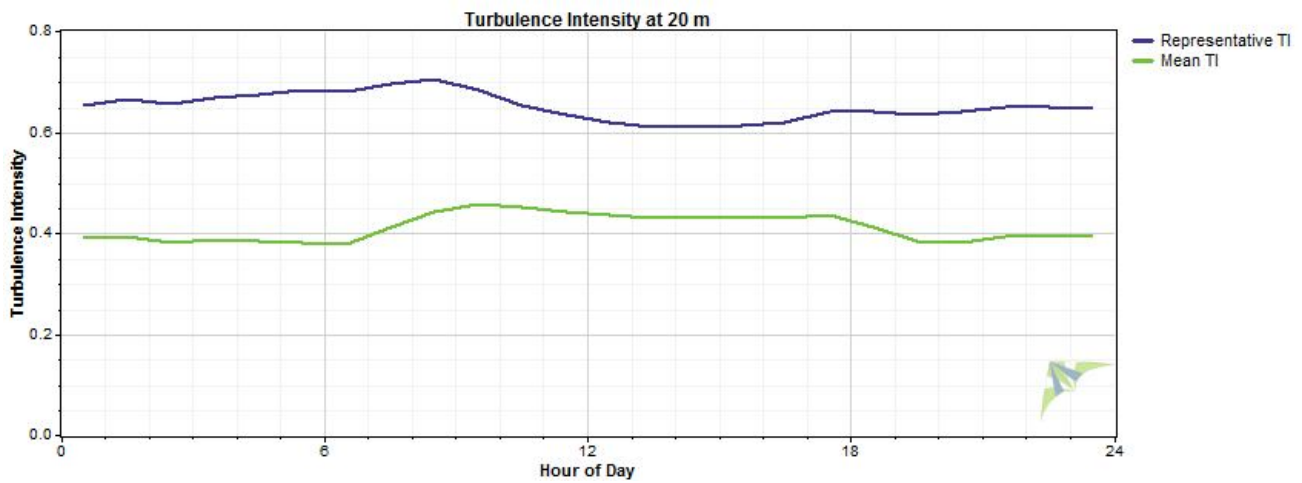
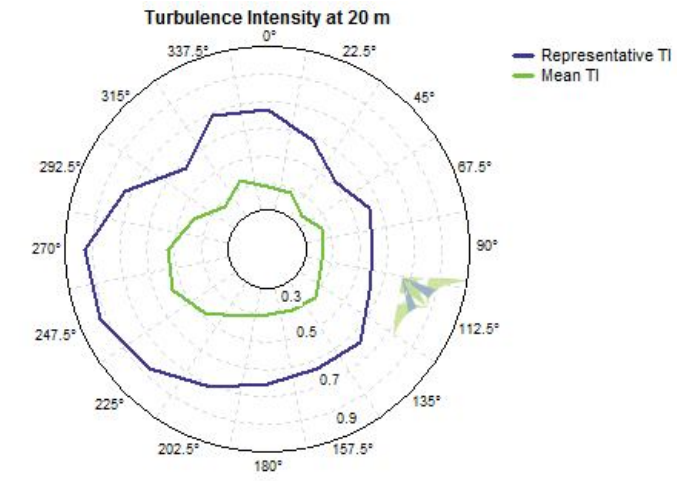
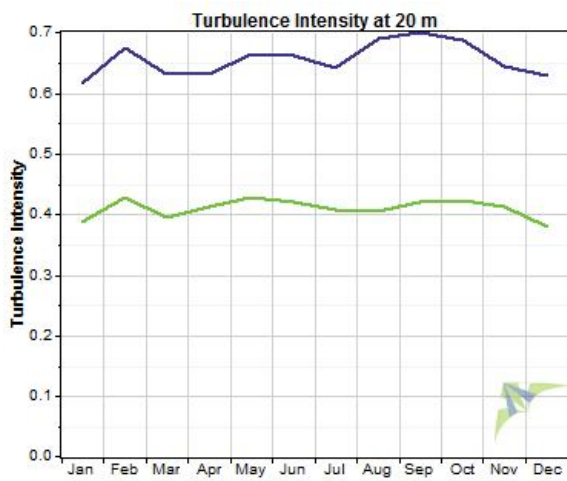
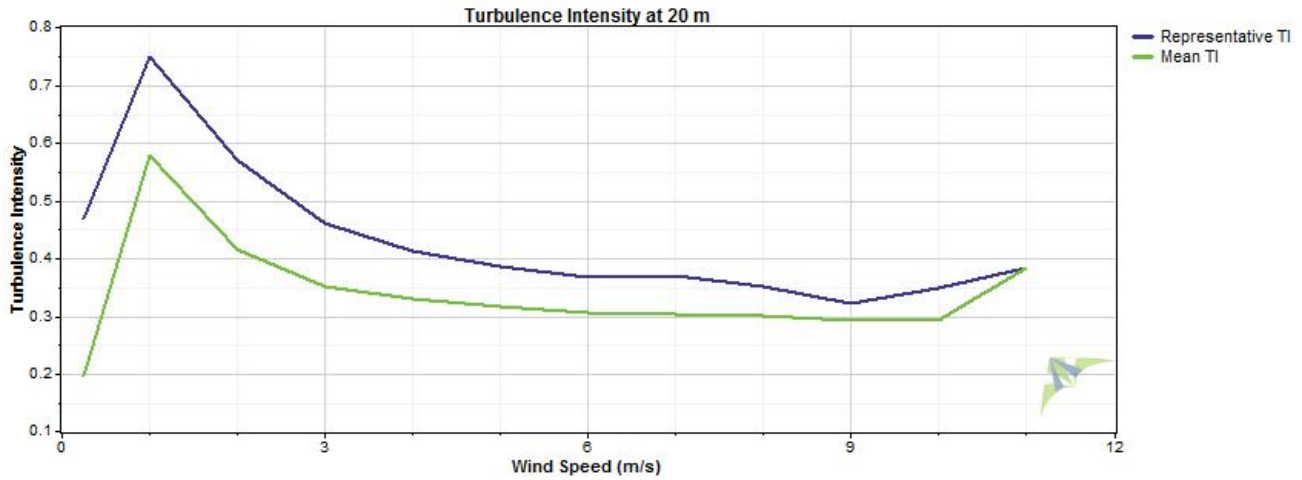
Variable	Value
Latitude	N 37.561058
Longitude	E -77.947370
Elevation	112 m
Start date	4/26/2013 16:00
End date	7/7/2016 09:00
Duration	3.2 years
Length of time step	10 minutes
Calm threshold	0 m/s
Mean temperature	14.3 °C
Mean pressure	99.97 kPa
Mean air density	1.212 kg/m ³
Power density at 50m	n/a
Wind power class	n/a
Power law exponent	n/a
Surface roughness	n/a
Roughness class	n/a



Wind Speed and Direction



Turbulence Intensity



Data Column Properties

#	Label	Units	Height	Possible Data Points	Valid Data Points	Recovery Rate (%)	Mean	Min	Max	Std. Dev
1	Speed 20 m	m/s	20 m	168,150	143,244	85.19	1.760	0.360	10.820	1.249
2	Speed 20 m SD	m/s	20 m	168,150	143,244	85.19	0.694	0.000	5.395	0.437
3	Speed 20 m Max	m/s	20 m	168,150	143,244	85.19	3.795	0.360	22.235	2.385
4	Speed 20 m Min	m/s	20 m	168,150	143,244	85.19	0.519	0.360	4.588	0.377
5	Speed A	m/s	20 m	168,150	143,244	85.19	0.350	0.350	0.353	0.000
6	Speed A SD	m/s	20 m	168,150	143,244	85.19	0.000	0.000	0.031	0.001
7	Speed A Max	m/s	20 m	168,150	143,244	85.19	0.351	0.350	0.733	0.021
8	Speed A Min	m/s	20 m	168,150	143,244	85.19	0.350	0.350	0.350	0.000
9	Speed B	m/s	20 m	168,150	143,245	85.19	0.350	0.350	0.356	0.000
10	Speed B SD	m/s	20 m	168,150	143,245	85.19	0.000	0.000	0.050	0.001
11	Speed B Max	m/s	20 m	168,150	143,245	85.19	0.351	0.350	0.733	0.014
12	Speed B Min	m/s	20 m	168,150	143,245	85.19	0.350	0.350	0.350	0.000
13	CH4Avg			168,150	0	0.00				
14	CH4SD			168,150	0	0.00				
15	CH4Max			168,150	0	0.00				
16	CH4Min			168,150	0	0.00				
17	CH5Avg			168,150	0	0.00				
18	CH5SD			168,150	0	0.00				
19	CH5Max			168,150	0	0.00				
20	CH5Min			168,150	0	0.00				
21	CH6Avg			168,150	0	0.00				
22	CH6SD			168,150	0	0.00				
23	CH6Max			168,150	0	0.00				
24	CH6Min			168,150	0	0.00				
25	Direction 20 m	°	20 m	168,150	143,245	85.19	5.2	0.0	356.6	115.2
26	Direction 20 m SD	°	20 m	168,150	143,245	85.19	18.8	0.0	132.7	17.5
27	Direction 20 m Max	°	20 m	168,150	143,245	85.19	199.2	0.0	359.8	127.3
28	Direction 20 m Min	°	20 m	168,150	143,245	85.19	0.3	0.0	0.4	0.1
29	Direction	°	20 m	168,150	143,245	85.19	1.7	0.0	153.8	4.9
30	Direction SD	°	20 m	168,150	143,245	85.19	0.1	0.0	69.3	0.4
31	Direction Max	°	20 m	168,150	143,245	85.19	0.0	0.0	127.8	0.6
32	Direction Min	°	20 m	168,150	143,245	85.19	0.0	0.0	0.0	0.0
33	CH9Avg			168,150	0	0.00				
34	CH9SD			168,150	0	0.00				
35	CH9Max			168,150	0	0.00				
36	CH9Min			168,150	0	0.00				
37	CH10Avg			168,150	0	0.00				
38	CH10SD			168,150	0	0.00				
39	CH10Max			168,150	0	0.00				
40	CH10Min			168,150	0	0.00				
41	CH11Avg			168,150	0	0.00				
42	CH11SD			168,150	0	0.00				
43	CH11Max			168,150	0	0.00				
44	CH11Min			168,150	0	0.00				
45	CH12Avg			168,150	0	0.00				
46	CH12SD			168,150	0	0.00				
47	CH12Max			168,150	0	0.00				
48	CH12Min			168,150	0	0.00				
49	Air Density	kg/m ³		168,150	168,150	100.00	1.212	1.212	1.212	0.000
50	Speed 20 m TI			168,150	143,244	85.19	0.41	0.00	1.48	0.19
51	Speed A TI			168,150	143,244	85.19	0.00	0.00	0.09	0.00
52	Speed B TI			168,150	143,245	85.19	0.00	0.00	0.14	0.00

#	Label	Units	Height	Possible Data Points	Valid Data Points	Recovery Rate (%)	Mean	Min	Max	Std. Dev
53	Speed 20 m WPD	W/m ²		168,150	143,244	85.19	9.6	0.0	767.3	21.8
54	Speed A WPD	W/m ²		168,150	143,244	85.19	0.02598	0.02597	0.02656	0.00002
55	Speed B WPD	W/m ²		168,150	143,245	85.19	0.02597	0.02597	0.02743	0.00001