



**Data Update for Worcester  
 April 2010**

Prepared for  
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**Monthly Data Summary for April 2010**

**Site Description**

The site is a parking lot by a baseball field within the Green Hill Park complex in Worcester. The coordinates of the site is 42.27927 N, 71.78072 W (WGS84) and shown as the white triangle in Figure 1.



Figure 1: Site location

**Instrumentation**

The Second Wind Triton Sodar is used at this location

**Data Summary Statistics**

A summary of the data with a quality of 90 or greater during the reporting period are included in the following table.

	40 m	50 m	60 m	80 m	100 m	120 m	140 m	160 m	180 m	200 m
Average	5.10	5.45	5.77	6.19	6.58	6.82	7.07	7.31	7.35	7.39
Std Dev	2.26	2.40	2.49	2.58	2.57	2.63	2.81	2.99	3.13	3.39
Max	16.13	17.95	17.98	15.2	14.99	14.73	16.59	15.29	15.51	16.19
Availability	98%	98%	96%	95%	90%	79%	61%	44%	30%	20%

The data can be found at the Wind Energy Center web site:  
<http://www.umass.edu/windenergy>

### **Maintenance Issues and Changes to Site Configuration**

No maintenance was conducted in April.

### **Monthly Data Time Series**

Figure 2 shows the wind speed time series at 100 m height for the month of April 2009.

