



**Data Update for Worcester
 January 2010**

Prepared for
 Massachusetts Technology Collaborative, 75 North Drive, Westborough, MA 01581
 By Utama Abdulwahid

Monthly Data Summary for January 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	5.67	6.05	6.41	6.90	7.39	7.69	8.29	9.10	9.62	10.08
Std Dev	2.14	2.21	2.20	2.11	2.03	2.12	2.22	2.30	2.38	2.56
Max	14.95	18.13	18.19	17.21	17.51	16.27	15.57	18.08	16.57	17.42
Availability	58%	61%	57%	61%	55%	42%	24%	15%	9%	6%

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 January.

Monthly Data Time Series

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

