

Renewable Energy Research Laboratory

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Data Update for Mt. Tom, Holyoke, MA August 2005

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

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Monthly Data Summary for August 2005

This update summarizes the monthly data results for the Mt. Tom monitoring site in Holyoke, MA, at 42° 14′ 59.2" N, 72° 38′ 42.2" W (NAD 27). More information on the sensors and site can be found at http://www.ceere.org/rerl/rerl resourcedata.html.

	Wind Speed			Prevailing
Height	Mean [m/s]	Max [m/s]	Turbulence Intensity	Wind Direction
24 m	3.9	11.3	0.28	180, South
37 m	4.5	12.9	0.23	90, East

The data can be found at the Renewable Energy Research Laboratory web site: http://www.ceere.org/rerl/rerl_resourcedata.html.

Data Recovery

All raw wind data are subjected to a series of tests and filters to identify data that are faulty or corrupted. The gross percentage of data recovered (ratio of the number of raw data points received to data points expected) and net data recovered (ratio of raw data points which passed all QA control tests to data points expected) are shown below.

Gross Data Recovered [%]	100.00
Net Data Recovered [%]	99.84

Maintenance Issues and Changes to Site Configuration

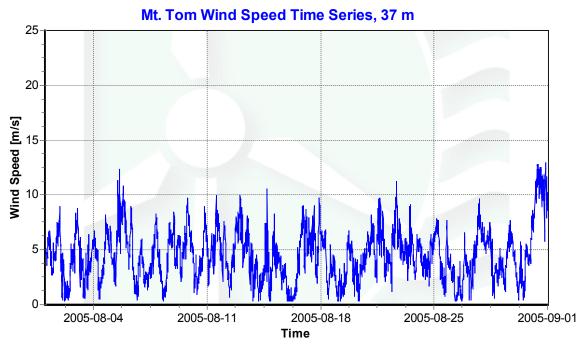
The following maintenance/equipment problems occurred during August 2005, and the following corrective action was taken:

• The logger cell phone made several calls to the RERL in order to download the wind data. Each of these download attempts was unsuccessful. On

September 14, 2005, the data card was manually swapped and all the data for this report was retrieved.

Monthly Data Time Series

Seen below is a graph of wind speed at Mt. Tom for the month of August 2005, at the highest anemometer height of 37 m.



Plot by DQMS3 - dqms@dqms.com