Renewable Energy Research Laboratory

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

Prepared for
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Monthly Data Summary for July 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.

Height	Wind Speed			Prevailing Wind Direction
	Mean [m/s]	Max [m/s]	Turbulence Intensity	
24 m	4.2	14.03	0.28	180, South
37 m	4.9	15.6	0.22	180, South

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 [%]	99.61

Maintenance Issues and Changes to Site Configuration
The following maintenance/equipment problems occurred during July 2005, and the following corrective action was taken:

- For several weeks, the data transmission was not successful when the logger cell phone made its weekly call to the RERL. Therefore, the data card was manually swapped on July 7, 2005. The cell phone was reprogrammed to call

the RERL every two days, but subsequent attempts to download the data were unsuccessful. A manual download on August 3, 2005, retrieved the data used in this report.

Monthly Data Time Series

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