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Data Update for Mt. Tom, Holyoke, MA January 2007

Prepared for
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Monthly Data Summary for January 2007

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 (NOMAD 2). 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	Power Law Shear Exponent
	Mean [m/s]	Max [m/s]	Turbulence Intensity	Good Data [%]		
24 m	7.59	16.84	0.21	8.817	180°, S	0.33
37 m	8.77	18.46	0.16	8.725	202.5°, SSW	

The data reported here are based only on the percentages of good data indicated; missing data may skew these values. The 37 m data has a lower percentage of good data because of icing conditions.

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 [%]	9.327
Net Data Recovered [%]	9.137

The gross data and net data recovery percentage is less than 100% due to missing data points as the main cable, which connects the logger to the main tower was cut by unidentified person(s). The data above is for a few days only.

Maintenance Issues and Changes to Site Configuration

The cable connecting the main tower and logger was cut by unidentified person(s) on January 3rd. This problem was detected and repaired during the month of February.

Monthly Data Time Series

Seen below is a graph of wind speed at Mt. Tom for the month of January 2007, at the anemometer height of 37 m.

