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

Prepared for
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Monthly Data Summary for June 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 (NAD83). More information on the sensors and site, including the data, 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	4.56	13.17	0.25	60.009	180° S	0.34
37 m	5.28	15.34	0.21	60.009	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 very lower percentage of good data because of icing conditions and more hours of fault.

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 [%]	57.925
Net Data Recovered [%]	52.888

The gross data recovered is less than 100% because of communication problem with the logger. And, net data recovery percentage is less due to fault in one of the anemometers at a height of 37m.

Maintenance Issues and Changes to Site Configuration

The logger was not communicating with the internet and hence, did not transfer the data files. The data subsequently could not be retrieved from the logger due to the malfunctioning of the logger.

Monthly Data Time Series

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

