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

Prepared for
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Monthly Data Summary for November 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		
24 m	5.79	19.86	0.25	-	0.41
37 m	6.91	20.91	0.18	202.5° SSW	

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 [%]	91.304
Net Data Recovered [%]	82.283

The gross data recovered is less due to a malfunctioning vane sensor at a height of 24m and net data recovery percentage is less due to a few hours of fault in the anemometers and a malfunctioning external temperature.

Maintenance Issues and Changes to Site Configuration

No maintenance issues arose during the month of November.

Monthly Data Time Series

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

Mt Tom Wind Speed Time Series, 37m

