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Data Update for Mt. Tom, Holyoke, MA April 2008

Prepared for
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Monthly Data Summary for April 2008

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, 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	4.85	16.25	0.27	-	0.30
37 m	5.53	19.28	0.23	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 [%]	88.128

The gross data and net data recovery percentage is less than 100 % due to a malfunctioning vane sensor at a height of 24m and because of a few hours of fault and out of range hours in the anemometers.

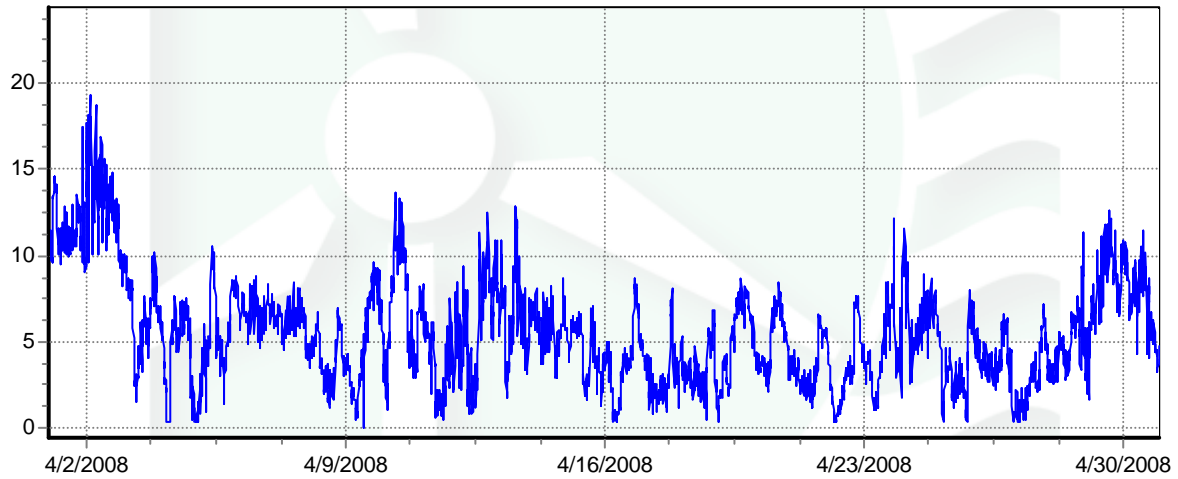
Maintenance Issues and Changes to Site Configuration

The temperature sensor was replaced on April 9.

Monthly Data Time Series

Seen below is a graph of wind speed at Mt. Tom for the month of April 2008, at the anemometer height of 37 m.

Mt Tom Wind Speed Time Series, 37m



Plot by DQMS3 - dqms@dqms.com