



# Renewable Energy Research Laboratory

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## Data Update for Paxton, MA April, 2007

Prepared for  
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### Monthly Data Summary for April 2007

This update summarizes the monthly data results for the Paxton MA monitoring site at 42-18-11.6 N, 71-53-50.9 W (WSG84). More information on the sensors and site can be found at [http://www.ceere.org/rerl/rerl\\_resourcedata.html](http://www.ceere.org/rerl/rerl_resourcedata.html).

Height	Wind Speed			Wind Direction
	Mean [m/s]	Max [m/s]	Turbulence Intensity	Prevailing Direction
78m	6.67	19.27	0.14	112.5, ESE

The data can be found at the Renewable Energy Research Laboratory web site:  
[http://www.ceere.org/rerl/rerl\\_resourcedata.html](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 [%]	79.48

### Maintenance Issues and Changes to Site Configuration

The temperature sensor is not operational in April 2007.

### Monthly Data Time Series

Seen below is a graph of wind speed at Paxton for the month of April 2007, at the highest height anemometer.

