



# Renewable Energy Research Laboratory

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## Data Update for Paxton, MA December, 2004

Prepared for  
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### Monthly Data Summary for December, 2004

This update summarizes the monthly data results for the Paxton MA monitoring site at 42-18-11.6 N, 71-53-50.9 W per the WSG84 standard. 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    | 9.04       | 23.12     | 0.13                 | 315, NorthWest       |

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.

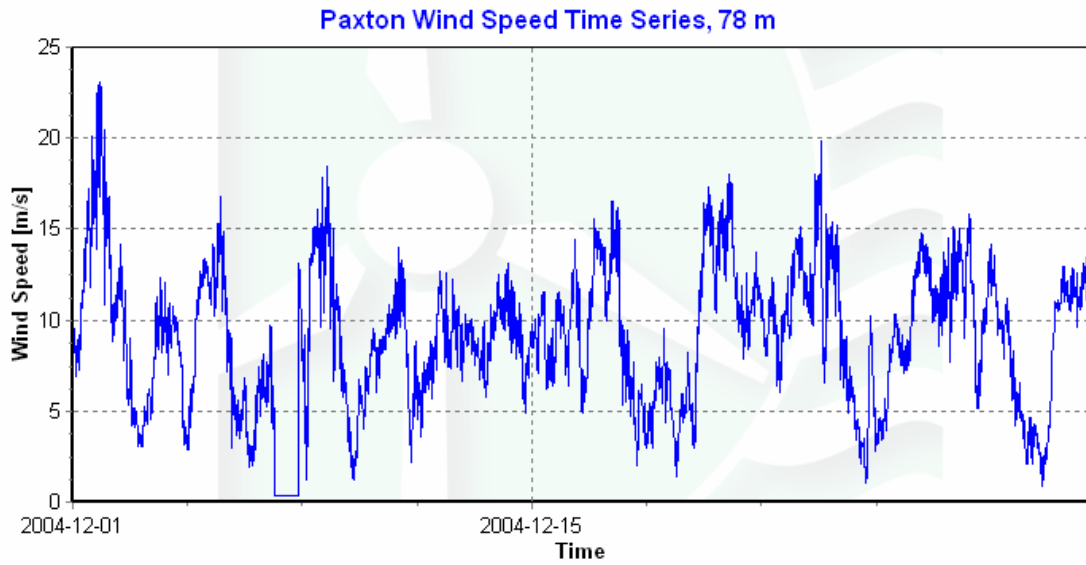
|                          |        |
|--------------------------|--------|
| Gross Data Recovered [%] | 100.00 |
| Net Data Recovered [%]   | 99.969 |

### Maintenance Issues and Changes to Site Configuration

No maintenance or data quality events took place during December, 2004.

### Monthly Data Time Series

Seen below is a graph of wind speed at Paxton for the month of December, 2004, at the highest height anemometer.



Plot by DQMS3 - dqms@dqms.com