

# Renewable Energy Research Laboratory

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## Data Update for Paxton, MA December, 2007

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#### **Monthly Data Summary for December 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.

| Height | Wind Speed |           |            | Wind Direction |
|--------|------------|-----------|------------|----------------|
|        | Mean [m/s] | Max [m/s] | Turbulence | Prevailing     |
|        |            |           | Intensity  | Direction      |
| 78m    | 5.18       | 18.56     | 0.11       | 135, SE        |

The data can be found at the Renewable Energy Research Laboratory web site: 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 [%]   | 68.55  |

### **Maintenance Issues and Changes to Site Configuration**

No maintenance or data quality events took place during December 2007.

### **Monthly Data Time Series**

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

