



Renewable Energy Research Laboratory

Department of Mechanical and Industrial Engineering
University of Massachusetts
160 Governor's Drive
Amherst, MA 01003-9265

Phone: 413-545-4359
Fax: 413-577-1301
www.ceere.org/rerl
rerl@ecs.umass.edu



Data Update for Paxton, MA August, 2005

Prepared for
Massachusetts Technology Collaborative, 75 North Drive, Westborough, MA 01581
By Kai Wu

Monthly Data Summary for August, 2005

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.

Height	Wind Speed			Wind Direction
	Mean [m/s]	Max [m/s]	Turbulence Intensity	Prevailing Direction
78m	6.3	14.77	0.12	270, West

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 [%]	99.935

Maintenance Issues and Changes to Site Configuration

No maintenance or data quality events took place during August, 2005.

Monthly Data Time Series

Seen below is a graph of wind speed at Paxton for the month of August, 2005, at the highest height anemometer.

