Renewable Energy Research Laboratory

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Data Update for Thompson Island, Boston Harbor, MA
October 2005

Prepared for
Massachusetts Technology Collaborative
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Monthly Data Summary for October 2005

This update summarizes the monthly data results for the Thompson Island monitoring site in Boston Harbor, MA, at 42° 18' 56" N, 71° 0' 40" W (NAD 83). More information on the sensors and site can be found at http://www.ceere.org/rerl/rerl_resourcedata.html.

Height	Wind Speed			Prevailing Wind Direction
	Mean [m/s]	Max [m/s]	Turbulence Intensity	
40 m	6.93	20.22	0.15	45, NE
25 m	6.60	19.59	0.16	45, NE

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 [%]	99.86

Maintenance Issues and Changes to Site Configuration

The following maintenance/equipment problems occurred during October 2005, and the following corrective action was taken:

- There were no maintenance issues to report.

Monthly Data Time Series

Seen below is a graph of wind speed at Thompson Island for the month of October 2005, at the highest anemometer height of 40 m.