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Data Update for Thompson Island, Boston Harbor, MA September 2007

Prepared for
Massachusetts Technology Collaborative
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Monthly Data Summary for September 2007

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		Turbulence Intensity	Prevailing Wind Direction	Power Law Shear Exponent
	Mean [m/s]	Max [m/s]			
40 m	5.27*	13.31*	0.16*	264.32*	0.09*
25 m	5.05*	12.89*	0.18*	250.78*	

*These summary data are reported even though only 84% of the data for this month were collected, due to the tower being taken down for sensor maintenance.

The data can be found at the Renewable Energy Research Laboratory web site: www.ceere.org/rerl/rerl_resourcedata.html. It is important to note that summary data are only reported when the monthly net data recovery (see below) is at least 90%. This requirement ensures that the values reported here are comparable with values from other months.

Additional information about interpreting the data presented in this report can be found in the Fact Sheet, "Interpreting Your Wind Resource Data," produced by RERL and the Massachusetts Technology Collaborative (MTC). This document is found through the RERL website:

www.ceere.org/rerl/about_wind/RERL_Fact_Sheet_6_Wind_resource_interpretation.pdf.

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 [%]	84.355
Net Data Recovered [%]	83.754

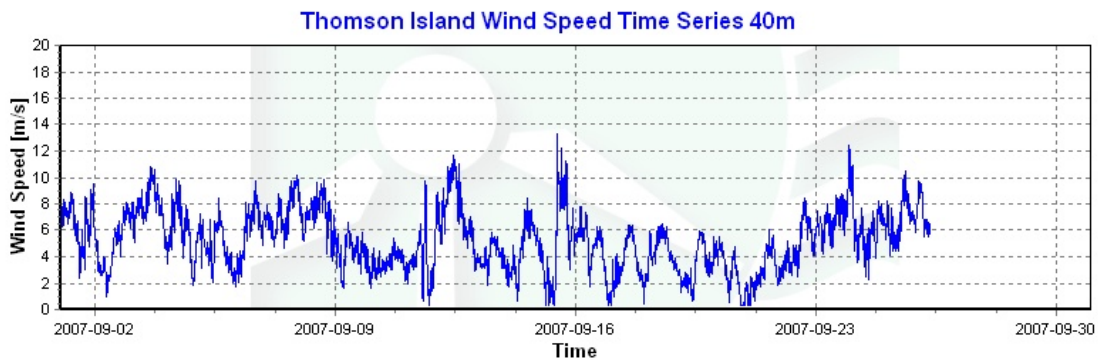
Maintenance Issues and Changes to Site Configuration

The following maintenance/equipment problems occurred during September 2007, and the following corrective action was taken:

- The tower was taken down on September 26th for maintenance

Monthly Data Time Series

Seen below is a graph of wind speed at Thompson Island for the month of September 2007, at the highest anemometer height of 40 m.



Plot by DQMS3 - dqms@dqms.com