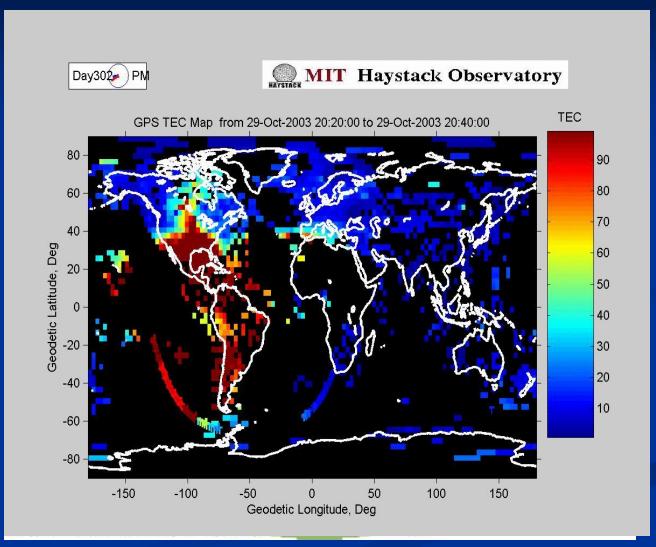
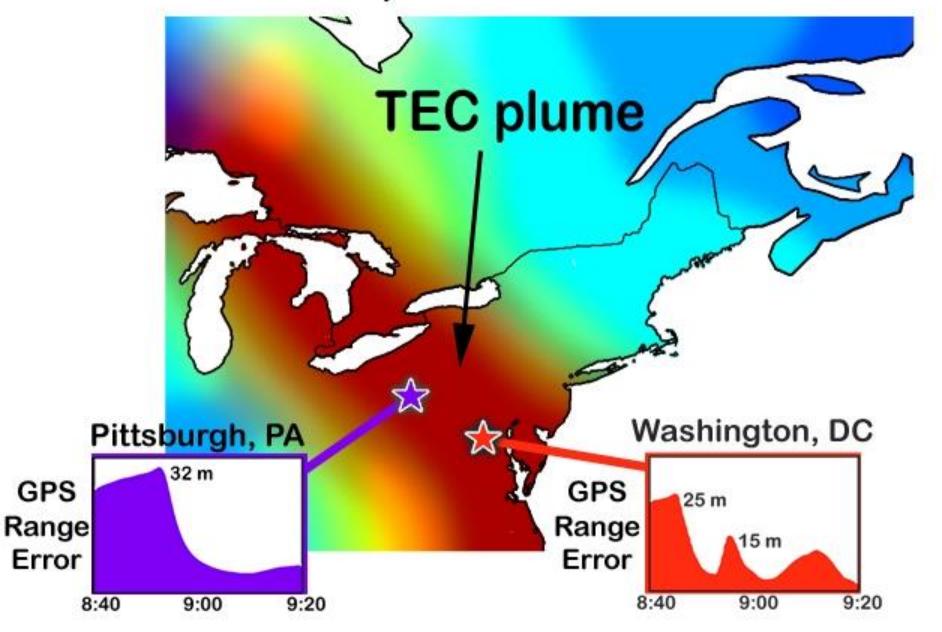
Wide Area Distribution of 'Raw' Information

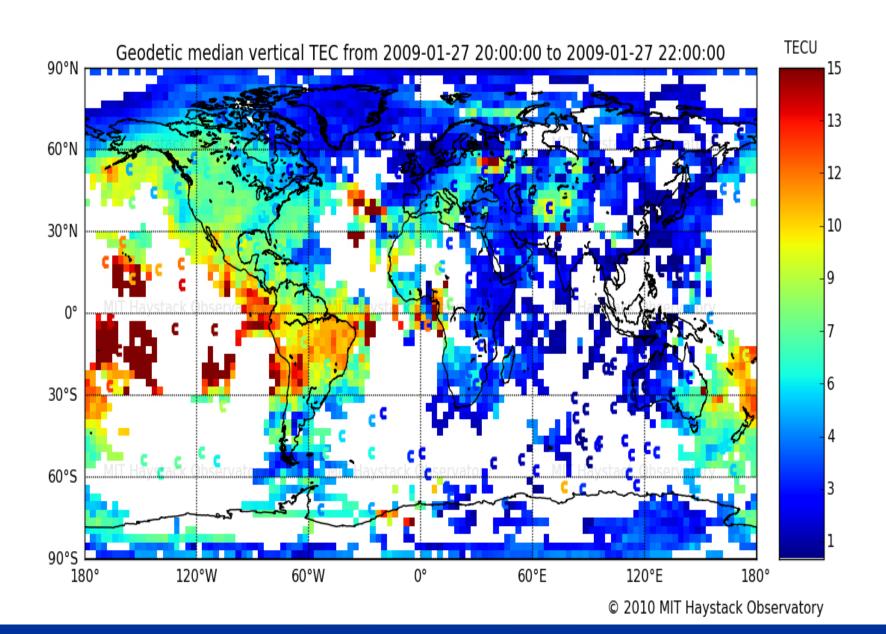
Distributed networks of sensors yield global physics unattainable with single-point measurements

Example:
Global GPS-derived
ionospheric mapping
during geomagnetic
disturbances



November 20, 2003





Great News!

(Bradford W. Parkinson, 9/29/2010 ION)

New Satellite Systems and Signals on the way Should Enable improved:

- Accuracy
- Availability (and improved Interference rejection)
- Integrity
- Continuity

PNt set to Explode with



The Future

Multiple instruments combined, real-time global access, virtual observatories



Future:

NOAA Space Weather Prediction Center control room