"The National Weather Service (NWS) provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters and ocean areas, for the protection of life and property and the enhancement of the national economy. NWS data and products form a national information database and infrastructure which can be used by other governmental agencies, the private sector, the public, and the global community."
National Weather Service

Local forecasts, watch, warnings, advisories

- 122 Weather Forecast Offices, staffed 24x7
  - Forecasts, watches, warnings, advisories, decision support services
- 13 River Forecast Centers
  - Provide hydrologic support to local offices
- National Centers
  - Most national scale, provides guidance to local offices, some forecasts and warnings

"Taking the pulse of the planet"
Average of 9000 data products per hour

- Spikes higher during weather events

Range from text based products to large model data sets to hourly observations

Short fused products get transmitted out in under a minute

“Taking the pulse of the planet”
Taking the pulse of the planet

Dissemination services

- *Three different satellite based systems*
  - Weather wire, NOAAport, EMWIN
- *NOAA Weather Radio*
- *Internet Services*
  - Web based
  - FTP/XML/GIS data feeds
  - Chat with electronic media/partners

“Taking the pulse of the planet”
Strategic Plan under formation

- Decision Support Services
- More aligned with other NOAA offices/services
- More data services designed to allow NWS data to be integrated into other systems

“Taking the pulse of the planet”
National Weather Service

A glance at data sources

- http://www.weather.gov/gis/
- http://www.weather.gov/xml/
- http://www.weather.gov/alerts-beta/
- http://www.weather.gov/rss
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