



## Updates – Satellite Acquisition Programs

### GOES-R

- Four of the six instruments have completed development and are ready for integration:
  - Extreme X-ray Irradiance Sensor (EXIS)
  - Advanced Baseline Imager (ABI)
  - Space Environment In-Situ Suite (SEISS)
  - Solar Ultraviolet Imager (SUVI)
- Work continues on Geostationary Lightning Mapper (GLM) and the Magnetometer.
- The first 89 of 155 racks of equipment for the Core Ground System Network Infrastructure have been shipped and will be installed by mid-April 2014 at NOAA's Satellite Operations Facility in Suitland, MD, and at NOAA facilities at Wallops Island, VA and Fairmont, WV.
- The GOES-R Proving Ground FY 2013 Annual Report is now available [here](#).
- GOES-R remains on target for FY 2016 launch.

### JPSS

- Suomi NPP post launch calibration and validation is on-going:
  - Advanced Technology Microwave Sounder (ATMS) and Cross-track Infrared Sounder (CrIS) data are being incorporated into NWS numerical weather models.
  - VIIRS data is being used by Alaska and Hawaii weather forecast offices; will be integrated into hurricane forecast models by June 1, 2014.
- All five instruments for JPSS-1 are in the “environmental testing” phase.
- JPSS-1 spacecraft primary structure is built and tested.
- JPSS-2 spacecraft procurement activity initiated.
- Major ground system update is on track to support JPSS-1 FY 2017 launch.

### DSCOVR

- Refurbishment of spacecraft and instruments is complete and now in environmental testing.
- Launch services agreements among NOAA, NASA, US Air Force (USAF) being finalized.
- Ground system readiness work on-going at NSOF and Wallops. Program working towards early 2015 launch readiness date.
- DSCOVR to provide solar winds continuity from Lagrange-1 point currently being provided by NASA ACE.
- Program on track for FY 2015 launch.

### COSMIC-2

- NASA, USAF, Taiwan work on the development of the first 6 satellites in the COSMIC-2 constellation continues.
- FY 2014 appropriation provides funds to begin NOAA ground system work.
- COSMIC-2 will provide GPS Radio Occultation data continuity currently being provided by the COSMIC-1 constellation.

### Climatic Data Center

- The Central Regional Climate Services Director provided an update to federal executives and managers at the Missouri Basin Interagency Roundtable Meeting in Omaha, NE.
- The update included efforts of the National Integrated Drought Information System, the 2011 Flood Attribution Study, the 2012 Regional Drought Assessment, the National Climate Assessment, and the continued building of a basin-wide federal collaboration effort.

### Oceanographic Data Center

- The Greenland, Iceland and Norwegian Seas (GINS) Regional Climatology is now available [here](#).
- These Seas are the gateway between the North Atlantic Ocean and the Arctic, and the water exchange that takes place in this region is crucial to the entire northern ocean climate, formation, and change.

### Geophysical Data Center

- An update was presented to representatives of 28 coastal states and territories and Federal agencies on the national tsunami data archive; recent improvements in the ingest, archive, and delivery of tide gauge data; progress on the new national tsunami hazard assessment; and efforts to identify digital elevation modeling priorities for 2014.
- The update focused on reducing the impact of tsunamis through hazard assessment, warning guidance, and mitigation. NGDC is the national provider for tsunami data and information and develops seamless topographic-bathymetric digital elevation models for coastal flood forecast and mapping.

### Satellite Research Center

- A Navy Altimetry Summit was held and provided representatives of the Oceanographer of the Navy, Naval Oceanographic Office, the Naval Research Laboratory, NOAA, and NASA an update of operational activities with satellite altimetry and status of the Jason-3 acquisition.
- U.S. Navy is a major customer of products and services derived from the Jason satellite to meet its operational and tactical mission.

### Jason-3

- Instrument integration onto the spacecraft bus and testing continue.
- Ground system installation completed at NOAA and EUMETSAT facilities. 4 Partners testing on-going.
- Adequate funding for the launch vehicle contract remains the biggest challenge to meet the planned FY 2015 launch date.
- Jason-3 will provide satellite altimetry continuity from Jason-2 to meet NOAA and US Navy operational requirements.