NOAA's Jason-2/OSTM Products

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The interagency **Jason-2/Ocean Surface Topography Mission (OSTM)** derives sea surface height, wind speed, and significant wave height from Jason-2 altimetry data to help track global sea level rise, ocean currents, open-ocean wind and wave conditions, and upper ocean heat content. Four partner agencies share OSTM mission responsibilities. NOAA's roles include satellite command and control, operational data processing, operational data distribution, and archive of data, processing software, and documentation. See more at http://www.osdpd.noaa.gov/ml/info/ostm/index.html and http://www.nodc.noaa.gov/SatelliteData/Jason2.

ESPC PROCESSING

NOAA's Environmental Satellite Processing Center (ESPC) generates Jason-2 near-real-time operational geophysical data records (OGDRs) from data collected at NOAA's Wallops and Fairbanks ground stations. ESPC also distributes OGDRs generated by EUMETSAT from the European Usingen ground station.
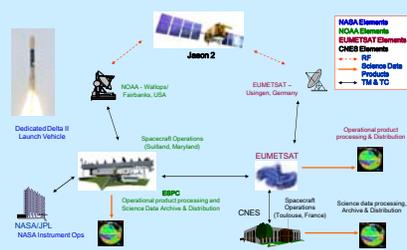
PRODUCT TYPES

Jason-2/OSTM Level-2 Products

OSTM JASON-2	OGDR Family	IGDR Family	GDR Family	
Reduced 1Hz	OGDR-SSHA	IGDR-SSHA	GDR-SSHA	Size & Complexity
1Hz + 20Hz	OGDR OGDR-BUFR*	IGDR	GDR	
1Hz + 20Hz + Waveforms		S-IGDR	S-GDR	
Latency:	3-5 Hours	1-2 Days	~ 60 Days	

Latency →
Accuracy →

* All files in NetCDF format except OGDR-BUFR, which contains no 20-Hz data

PRODUCT INFO

OGDR = operational geophysical data record
IGDR = interim geophysical data record
GDR = (final, science quality) geophysical data record

See the **Jason-2 Handbook** (attached) for additional product information; also available at http://www.osdpd.noaa.gov/ml/ocean/ J2_handbook_v1-3_no_rev.pdf

The National Oceanographic Data Center (NODC) is also establishing a data quality monitoring system (known as the Rich Inventory) for users to access graphic and numeric quality statistics and attributes for selected parameters in GDR or IGDR files via a web interface.

PRODUCT ACCESS

(1) Via Comprehensive Large Array-data Stewardship System (CLASS): http://www.class.noaa.gov
(all file types including orbit, auxillary)
See the **CLASS Tutorial** (attached); also available at http://www.nsof.class.noaa.gov/release/ data_available/jason/jason2tutorial.html
(2) Via WMO Gateway (GTS) in BUFR format *(OGDR-BUFR only)*
(3) Via ESPC data distribution server *(OGDR, OGDR-BUFR, & OGDR-SSHA)*

National Oceanic and Atmospheric Administration (NOAA)
National Aeronautics and Space Administration (NASA) Jet Propulsion Laboratory (JPL)
Centre National d'Etudes Spatiales (CNES)
European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT)