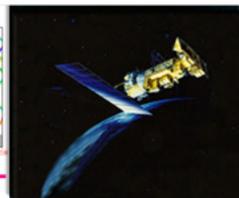
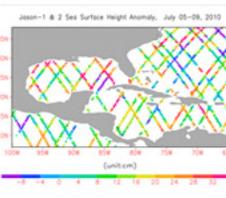
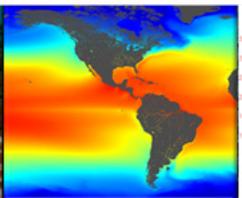
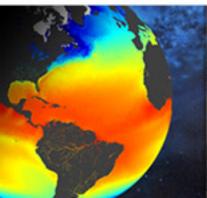


# National Oceanographic Data Center

*An Ocean of Data and Information*  
[www.nodc.noaa.gov](http://www.nodc.noaa.gov)

# Satellite Data



# Satellite Oceanography at NODC

- **4 km AVHRR Pathfinder Version 5 SST** - The 4 km Pathfinder effort at NODC and the University of Miami's Rosenstiel School of Marine and Atmospheric Science (RSMAS) is an extension of and improvement on the sea surface temperature (SST) fields from the older NOAA/NASA AVHRR Oceans Pathfinder project. These new Version 5.0 data are being developed at RSMAS and NODC and distributed in partnership with the NASA Physical Oceanography Distributed Active Archive Center (PO.DAAC). In this 4 km Pathfinder project, some important shortcomings in the old 9 km data have been corrected, and the entire 1981-2009 time series has been reprocessed at the 4 km Global Area Coverage (GAC) level, the highest resolution possible globally.

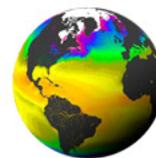
- **Group for High-Resolution SST (GHRSSST, formerly GODAE)** - the Long Term Stewardship and Reanalysis Facility (LTSRF) for the Group for High Resolution SST (GHRSSST) routinely delivers individual as well as multi-sensor blended SST products with high accuracy and fine spatial resolution. NODC maintains the long-term archive and provides stewardship of these valuable data sets. NODC also leads the reanalysis component of GHRSSST, which coordinates international individual and multi-sensor efforts to produce more accurate and consistent Level 2 (swath), Level 3 (gridded), and Level 4 (gap free, gridded) SST climate data record analysis products for the global ocean.

- **Coral Reef Temperature Anomaly Database (CoRTAD)** - The CoRTAD contains a collection of sea surface temperature (SST) and related thermal stress metrics, developed specifically for coral reef ecosystem applications but relevant to other ecosystems as well. The CoRTAD contains global, approximately 4 km resolution SST data on a weekly time scale from 1985 through 2005. In addition to SST, it contains SST anomaly (SSTA, weekly SST minus weekly climatological SST), thermal stress anomaly (TSA, weekly SST minus the maximum weekly climatological SST), SSTA Degree Heating Week (SSTA\_DHW, sum of previous 12 weeks when SSTA is greater than or equal to 1 degree C), SSTA Frequency (number of times over previous 52 weeks that SSTA is greater than or equal to 1 degree C), TSA DHW (TSA\_DHW, also known as a Degree Heating Week, sum of previous 12 weeks when TSA is greater than or equal to 1 degree C), and TSA Frequency (number of times over previous 52 weeks that TSA is greater than or equal to 1 degree C).

- **Jason-2/Ocean Surface Topography Mission (OSTM) and Geosat Altimeter Archive** - Under the NOAA Data Center - CLASS (Comprehensive Large-Array data Stewardship System) relationship, CLASS focuses on information technology in support of the archive and the NOAA Data Center is responsible for the overall archive services. These accessions are available: 1. Level-2 X-Geophysical Data Records (O/I/GDR), 2. Ancillary Files, 3. Auxiliary Files, 4. Near Real-Time Altimetry Validation System (NRTAVS) QA Reports, 5. Orbital Information, 6. Telemetry

## Additional products and activities:

- Ocean Color Archive
- Satellite Data Animations and satellite climatologies



[www.nodc.noaa.gov/SatelliteData/](http://www.nodc.noaa.gov/SatelliteData/)

Follow these links to access our Pathfinder, GHRSSST and Jason-2/OSTM products (and other datasets managed by NODC, like Argo floats, the World Ocean Atlas, and more!) via http, ftp, OPeNDAP or THREDDs:

- HTTP: <http://data.nodc.noaa.gov/>
- FTP: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/>
- OPeNDAP: <http://data.nodc.noaa.gov/opendap/>
- THREDDs: <http://data.nodc.noaa.gov/thredds/>

