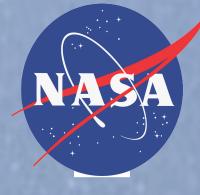
OCEAN SURFACE TOPOGRAPHY RELEVANT SERVICES AT



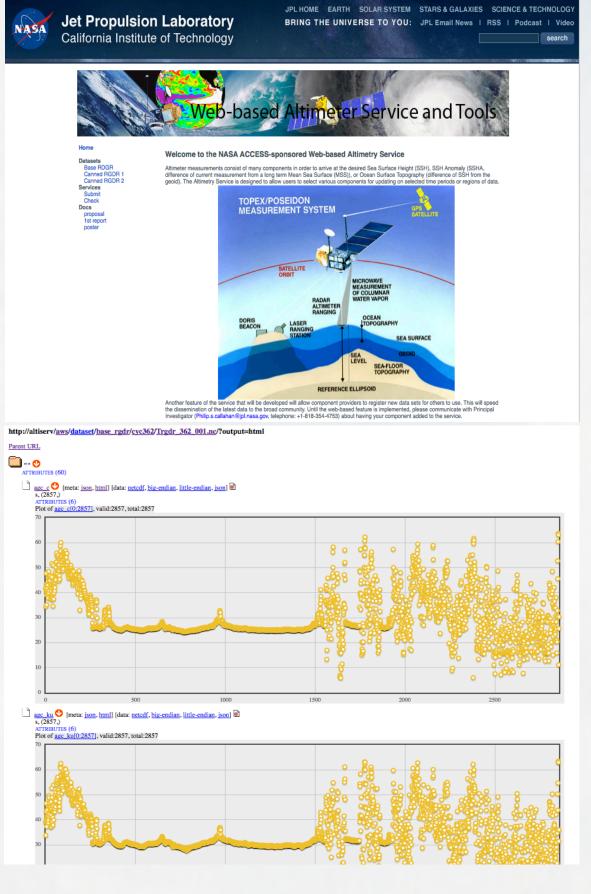
PO.DAAC

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The NASA Physical Oceanography Distributed Active Archive Center (PO.DAAC) has supported sea level missions over the last three decades, acquiring a vast knowledge base and level of expertise that is provided to and utilized by the user community. PO.DAAC is the archive, distribution, and user services center for satellite oceanographic data. Relevant to sea level, PO.DAAC data holdings include sea surface height and gravity from past and current NASA missions (i.e., Seasat, TOPEX/Poseidon, Jason-1, OSTM/Jason-2, and GRACE), as well as NASA PI-generated and programmatic-driven datasets. PO.DAAC distributes sea level relevant data through current technologies (OPeNDAP and THREDDS) and develops new technologies for quick search, visualization, and extraction.

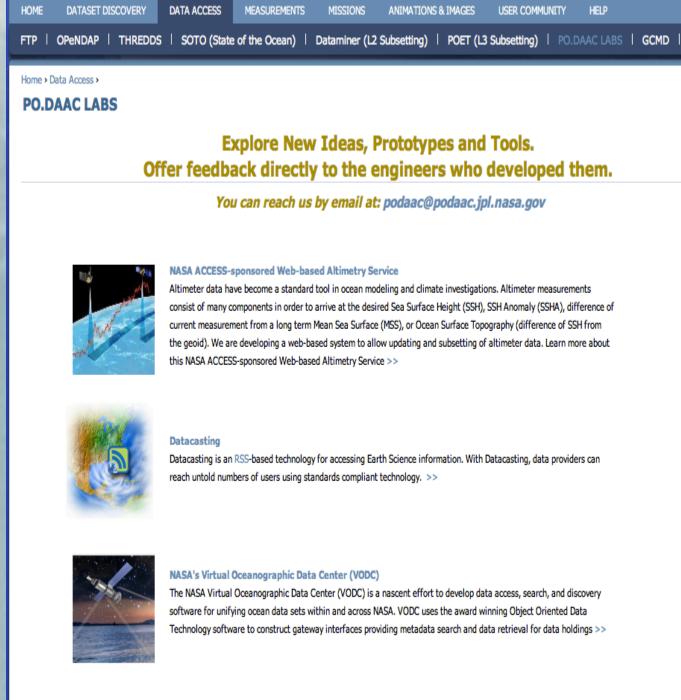
To find out more about PO.DAAC tools or datasets please visit the "Ocean Surface Topography Datasets and Services at PO.DAAC" talk Thursday at 2:50 pm during the Outreach, Education and Altimetric Data Services Session.

Web-Based Altimetry Service http://podaac.jpl.nasa.gov/PODAAC_LABS PO.DAAC Labs



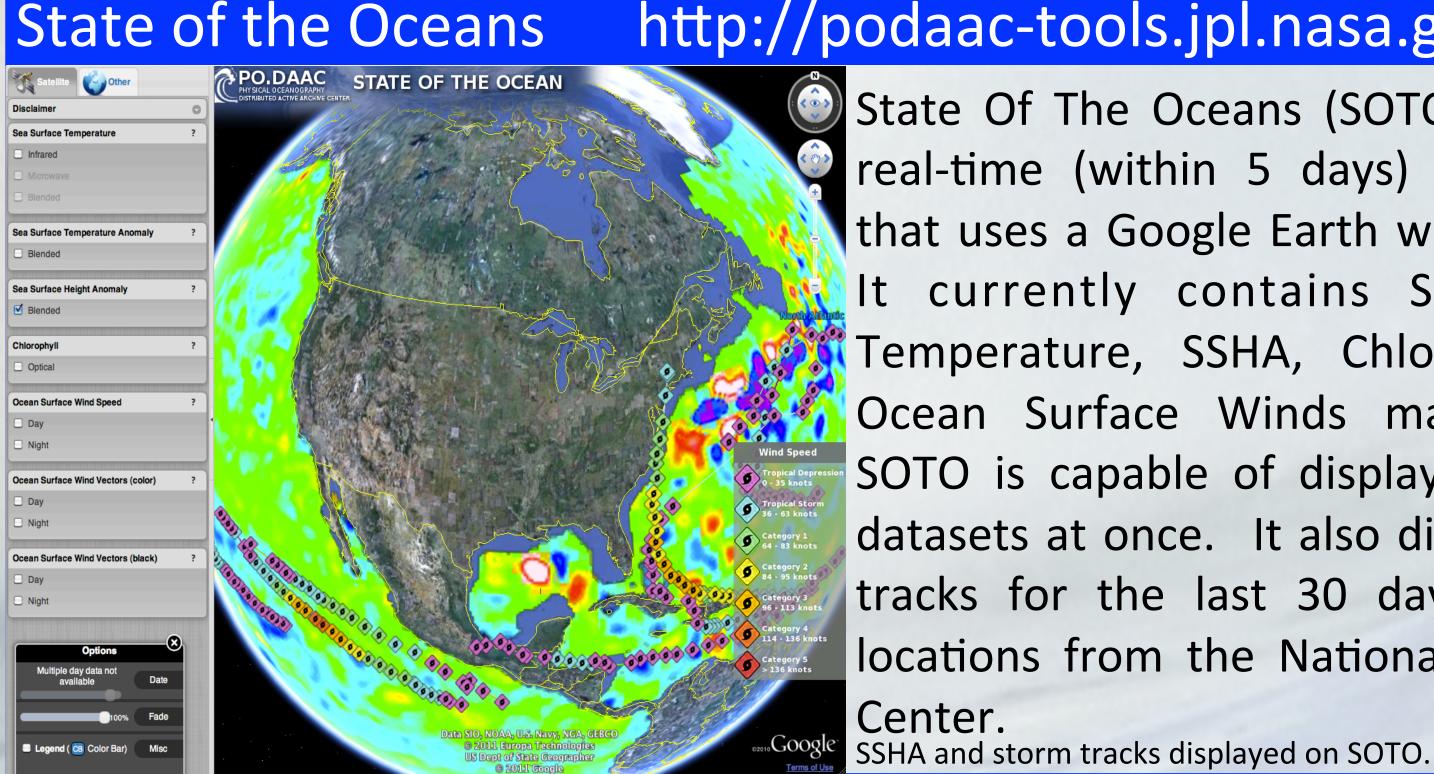
The web-based Altimetry Service (AltiServ) is a NASA ACCESS service by Phil Callahan. It provides retracked Geophysical Data Records (GDR) of TOPEX/Poseidon. It also provides a service that will calculate Sea Surface Height (SSH) and SSH Anomalies (SSHA) with user defined components (region, time, etc) and corrections that are available in AltiServ. Data are available via ftp with email notification to the user. The ftp contains webification which allows users to view variables, number of data points and time series plots without data download. AltiServ is available from PO.DAAC labs and http://altiserv.jpl.nasa.gov/aws/index.

http://podaac.jpl.nasa.gov/PODAAC LABS



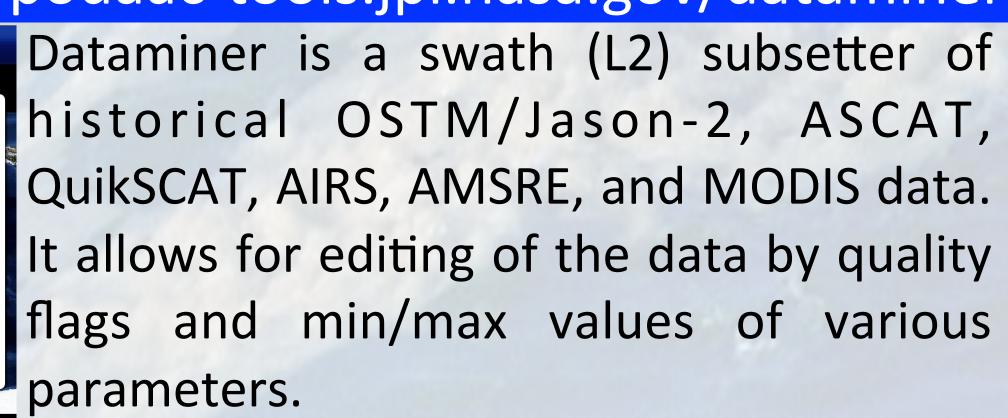
PO.DAAC Labs is where new tools can be found in beta version. This way users can access new tools and provide feedback on what they think of the functionality and if any changes need to be made. Currently PO.DAAC Labs features webbased altimetry service, datacasting (RSS feed) and Virtual Ocean Data Center (VODC). VODC provides a Google-like search capability for ocean datasets.

http://podaac-tools.jpl.nasa.gov/soto/



State Of The Oceans (SOTO) is a nearreal-time (within 5 days) data viewer that uses a Google Earth web interface. It currently contains Sea Surface Temperature, SSHA, Chlorophyll and Ocean Surface Winds mapped data. SOTO is capable of displaying multiple datasets at once. It also displays storm tracks for the last 30 days and data locations from the National Data Buoy Center.

http://podaac-tools.jpl.nasa.gov/dataminer Dataminer



OST/Jason-2 SSHA displayed in Dataminer.

http://poet.podaac.jpl.nasa.gov



POET is a gridded or mapped (L3 or L4) subsetter of Facebook Contact Us historical sea surface temperature, ocean winds and ocean current data. Data can be subset both temporally and spatially, and is exported in several different data formats.

Other Data Access

Actions / LOAD 🖺 SAVE Q SEARCH

http://podaac.jpl.nasa.gov/dataaccess

most Earth science data formats. For a list of PO.DAAC data accessible through OPeNDAP, see PO.DAAC OPeNDAP data For the complete list of OPeNDAP Datasets, please see the Unidata OPeNDAP Datasets list. OPeNDAP data are accessible to users through: MATLAB, IDL, Ferret, Live Access Server. the gap between data providers and data users. The goal is to simplify the discovery and use of scientific data and to allow scientific publications and educational materials to reference scientific data context descriptions of the ocean's features and events, kml overlays (ice extent, hurricane tracks, clouds). It also rovides data layers for Sea Surface Temperature (SST), wind vectors, and ocean color. agency Ifremer (an upcoming collaboration is in the works), and modified at PO.DAAC. We are hosting a modified Images, Subsetting, Plotting - (POET) The PO.DAAC Ocean ESIP Tool (POET) provides interactive, on-line subsetting and visualization of many of PO.DAAC's data products. Viewing options include: latitude-longitude maps, animations, time series plots, and space-time profiles. Format options include: GIS (GeoTIFF, ArcGrid), image (GIF, PNG, JPG), scientific (HDF, NetCDF), and raw (binary, ASCII). This graphical user interface was developed by Ocean ESIP (Earth Science Information Partner). PO.DAAC data currently accessible by POET include:

There are many ways to obtain data from PO.DAAC other than the ones mentioned above. FTP is always an option, but there are other protocols that allow for data subsetting. OPeNDAP provides data discovery, subsetting and webification. THREDDS (Thematic Real-time Environmental Distributed Data Services) is middleware to bridge the gap between data providers and data users. THREDDS at PO.DAAC is a web server that provides metadata, data access, aggregation and subsetting of scientific datasets, using OPeNDAP, OGC WMS and WCS, HTTP, and other remote data access protocols.

Acknowledgments

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