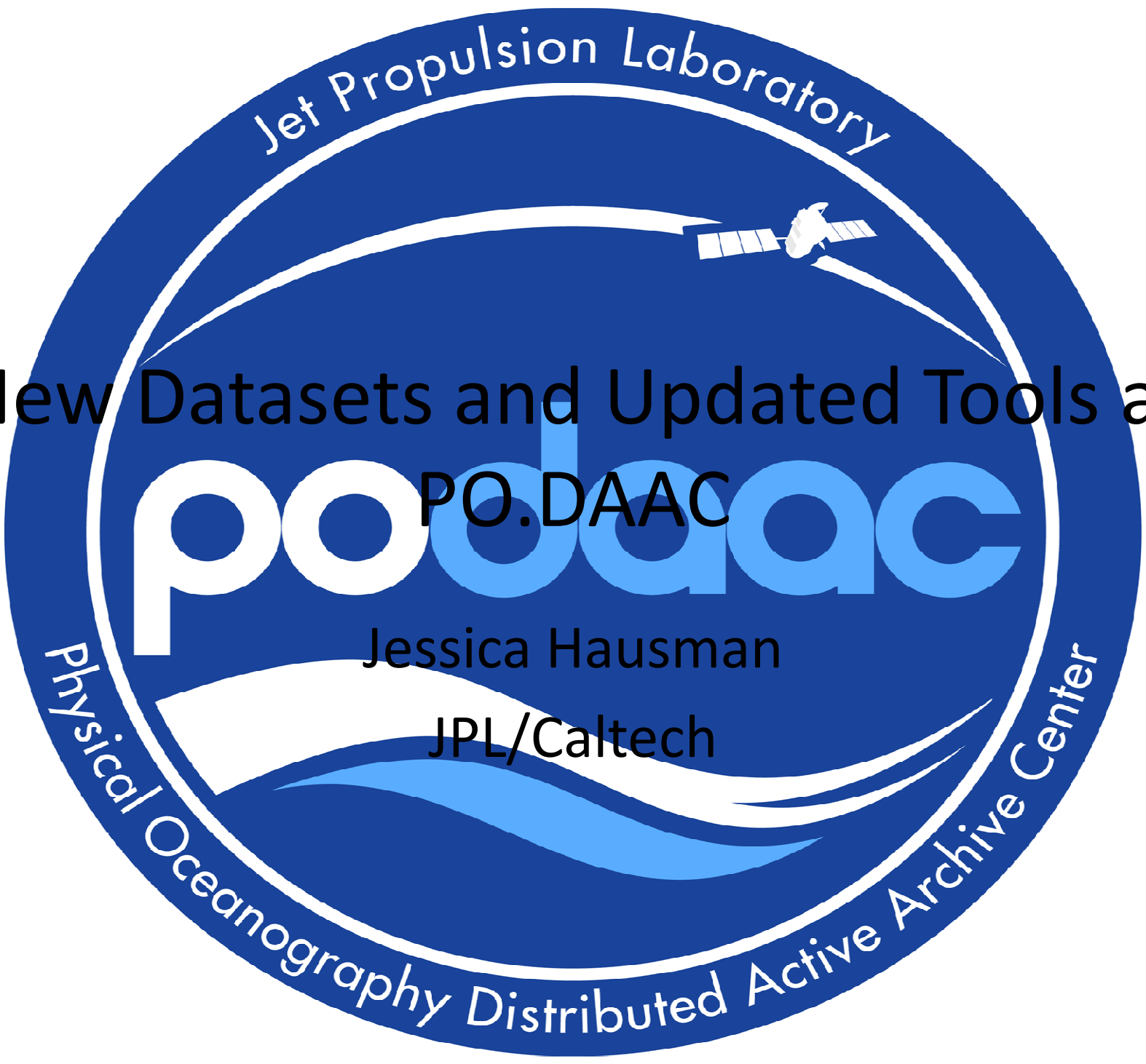


The logo is a circular emblem with a dark blue background. At the top, the words "Jet Propulsion Laboratory" are written in white, following the curve of the upper border. At the bottom, the words "Physical Oceanography Distributed Active Archive Center" are written in white, following the curve of the lower border. In the center, there is a white satellite in orbit, with a white arc representing its path. Below the satellite, the word "poodaac" is written in a stylized font, with "poo" in white and "daac" in a lighter blue. Below the word "poodaac", the name "Jessica Hausman" and the affiliation "JPL/Caltech" are written in white.

New Datasets and Updated Tools at

PO.DAAC

Jessica Hausman

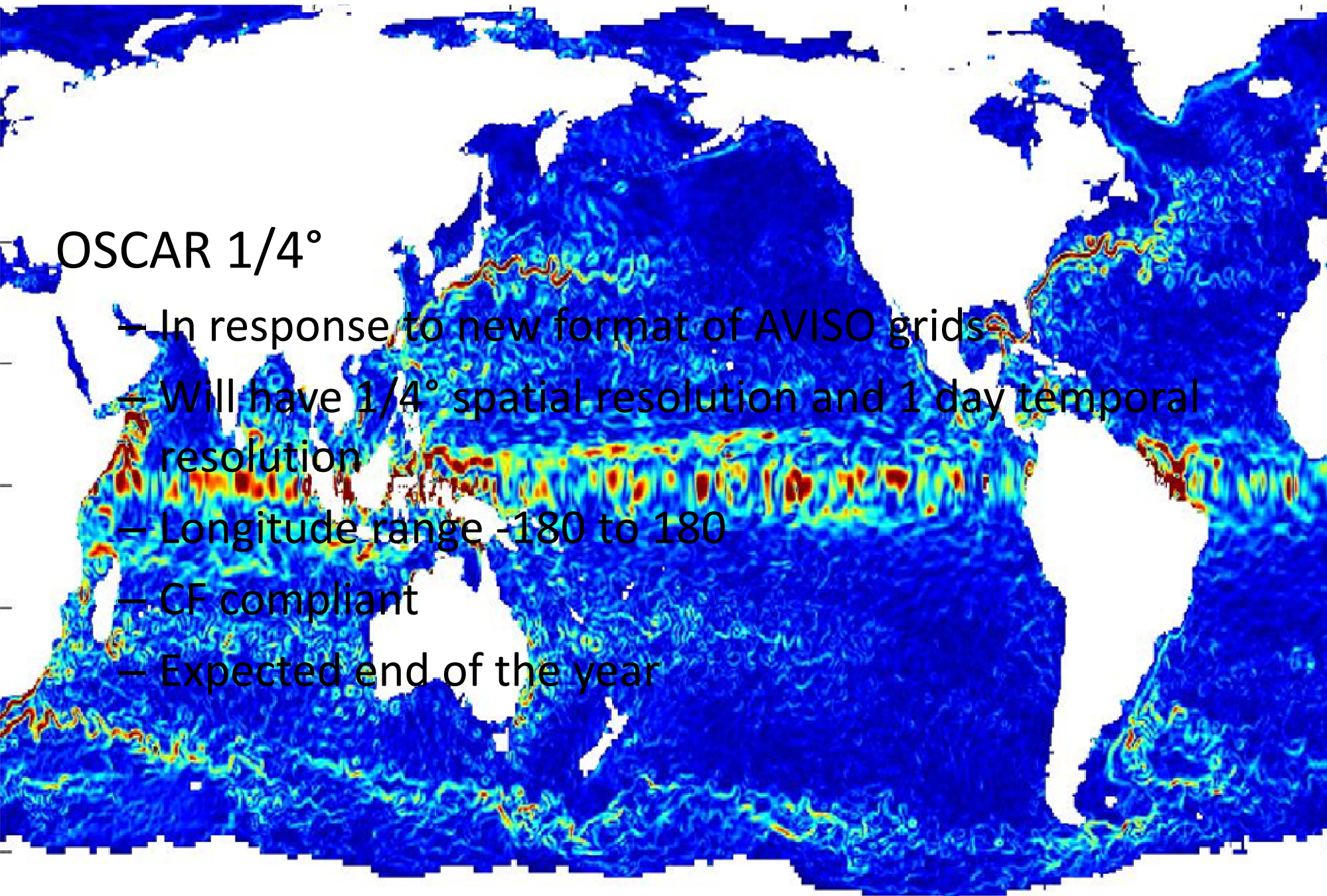
JPL/Caltech

- New and upcoming datasets
 - NRT SARAL/AltiKa GPS orbit corrections
 - OSCAR 1/4°
 - Integrated Multi-Mission Ocean Altimeter V3
 - Jason-1 GDR-E
- Web services
- DOI
- Forum
- Data management best practices page
- Joint PO.DAAC – NODC altimeter data info page

New and Upcoming Datasets

SARAL/AltiKa GPS orbit corrected OGDR

- Uses cross-overs with OSTM/Jason-2 to obtain GPS orbit corrections
- More accurate than DORIS orbit altitude on OGDR (1.5 cm RMS vs 1 cm RMS)
- Available within 7-9 hours of measurement
- For more information
 - Cal/val session Wednesday 5:30
 - Global Cross-Calibration of the Jason-1, Jason-2, and SARAL Missions (Desai et al.)

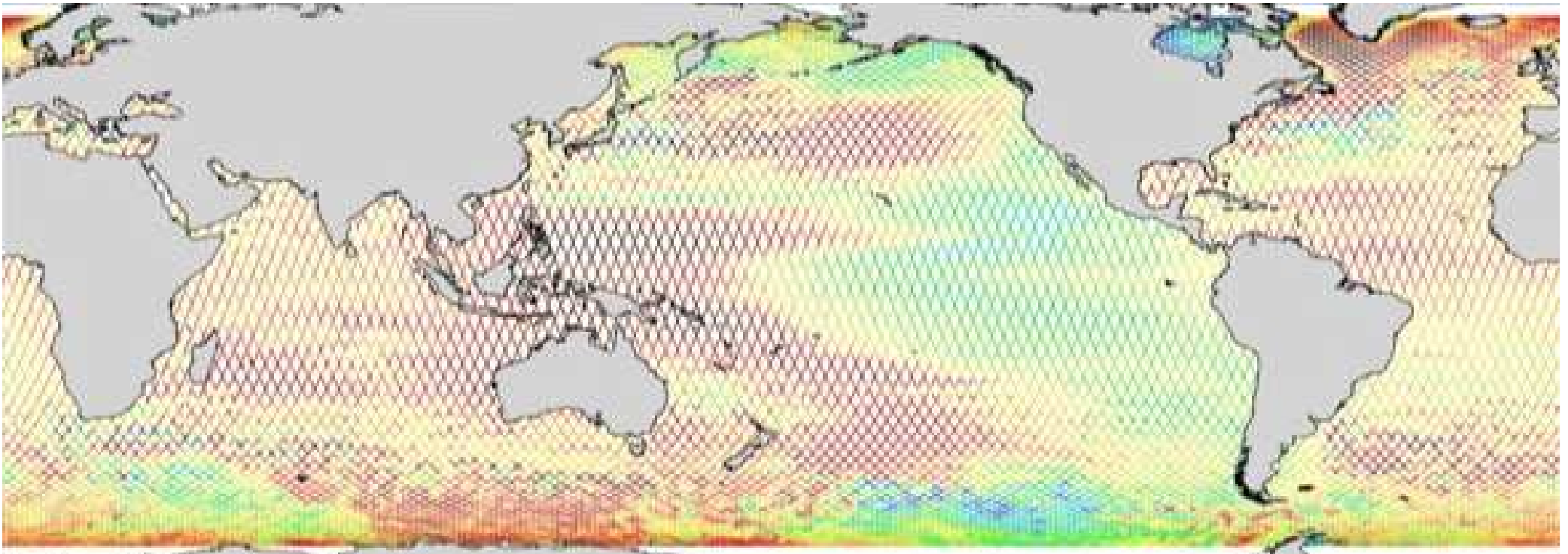


OSCAR 1/4°

- In response to new format of AVISO grids
- Will have 1/4° spatial resolution and 1 day temporal resolution
- Longitude range -180 to 180
- CF compliant
- Expected end of the year

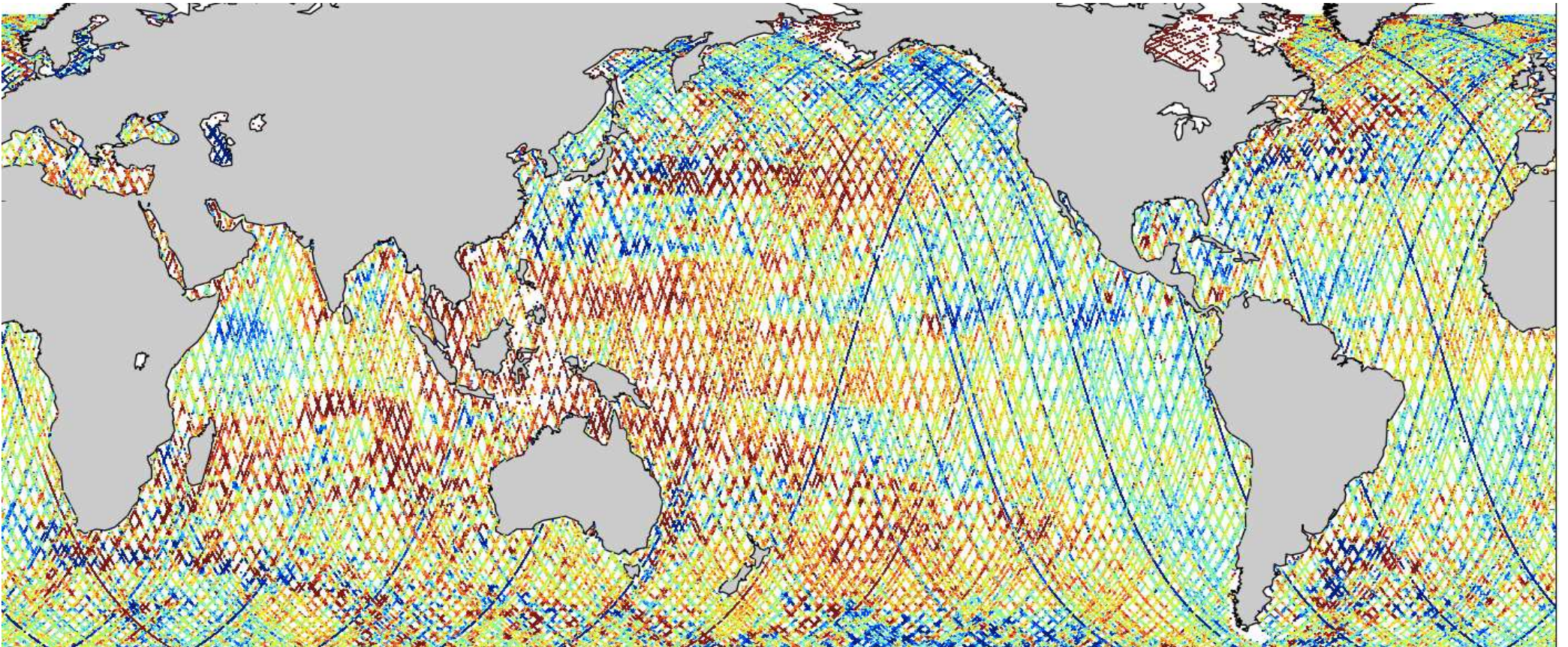
Integrated Multi-Mission Ocean Altimeter V3

- Improved orbits and accuracy
 - Orbit std1404 GSFC
 - Ocean tide GOT4.10
 - Pole tide based on IERS2010 standards
- Individual cycle files will be indexed on longitude and latitude instead of rev and index



Jason-1 GDR-E

- Overview of GDR-E improvements Friday 12:30
- Complete reprocessing
- Data available as NetCDF only
- Same data format as OSTM/Jason-2



Web Services

<http://podaac.jpl.nasa.gov/ws/>

- Integrated set of PO.DAAC Web-services for dataset/granule search & subsetting
- WS: application programming interfaces (APIs) that can be accessed through standard web protocols (HTTP) with well-defined parameter extensions (General Form: <http://podaac.jpl.nasa.gov/ws/service?parameters>)
- Returns: response as XML structure or in JSON (*JavaScript Object Notation*) format
- Utility: - programmatic calls to CWS via HTTP request
- sequentially drill down dataset information hierarchy

Dataset Discovery

Dataset Metadata

Granule Search

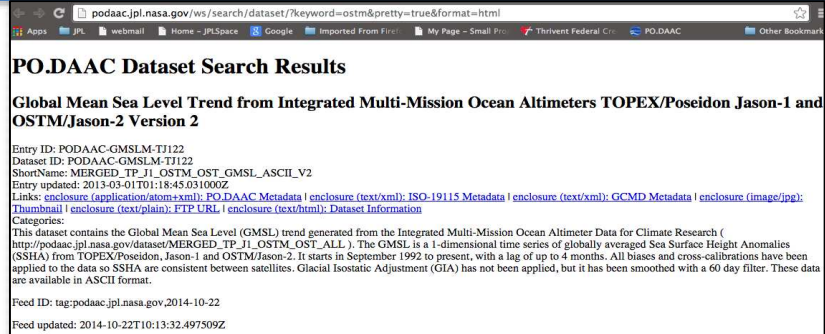
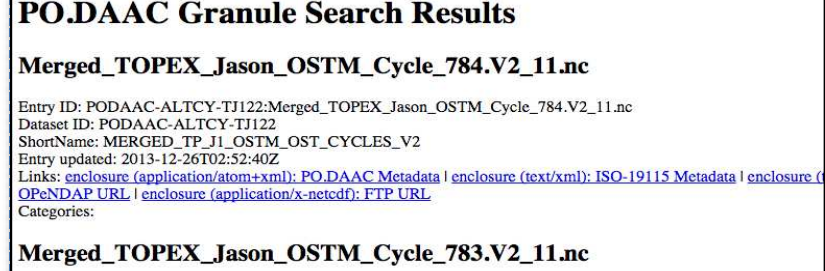
Granule Metadata

*Granule
Subset/Extract*

Image Search



Example OSTM use case & CWS workflow:

Step	CWS Request	Response / Result
1. List OSTM datasets	http://podaac.jpl.nasa.gov/ws/search/dataset/?keyword=ostm	 PO.DAAC Dataset Search Results Global Mean Sea Level Trend from Integrated Multi-Mission Ocean Altimeters TOPEX/Poseidon Jason-1 and OSTM/Jason-2 Version 2 Entry ID: PODAAC-GMSLM-TJ122 Dataset ID: PODAAC-GMSLM-TJ122 ShortName: MERGED_TP_J1_OSTM_OST_GMSL_ASCII_V2 Entry updated: 2013-03-01T01:18:45.031000Z Links: enclosure (application/atom+xml): PO.DAAC Metadata enclosure (text/xml): ISO-19115 Metadata enclosure (text/xml): GCMD Metadata enclosure (image/jpeg): Thumbnail enclosure (text/plain): FTP URL enclosure (text/html): Dataset Information Categories: This dataset contains the Global Mean Sea Level (GMSL) trend generated from the Integrated Multi-Mission Ocean Altimeter Data for Climate Research (http://podaac.jpl.nasa.gov/dataset/MERGED_TP_J1_OSTM_OST_ALL). The GMSL is a 1-dimensional time series of globally averaged Sea Surface Height Anomalies (SSHA) from TOPEX/Poseidon, Jason-1 and OSTM/Jason-2. It starts in September 1992 to present, with a lag of up to 4 months. All biases and cross-calibrations have been applied to the data so SSHA are consistent between satellites. Glacial Isostatic Adjustment (GIA) has not been applied, but it has been smoothed with a 60 day filter. These data are available in ASCII format. Feed ID: tag:podaac.jpl.nasa.gov,2014-10-22 Feed updated: 2014-10-22T10:13:32.497509Z.
2. Get dataset metadata for Integrated Merged Mission Altimetry	http://podaac.jpl.nasa.gov/ws/metadata/dataset/?datasetId=PODAAC-GMSLM-TJ122&format=iso	 <pre> <gmd:DS_Series xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gmi="http://www.isotc211.org/2005/gmi" xmlns:gml="http://www.opengis.net/gml" xmlns:gx="http://www.isotc211.org/2005/gx" xmlns:gss="http://www.isotc211.org/2005/gss" xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.isotc211.org/2005/gmd http://www.ngdc.noaa.gov/metadata/published/xsd/compodof" gco:nilReason="inapplicable"/> <gmd:seriesMetadata> <gmi:MI_Metadata id="MERGED_TP_J1_OSTM_OST_GMSL_ASCII_V2"> <gmd:fileIdentifier> <gco:CharacterString>MERGED_TP_J1_OSTM_OST_GMSL_ASCII_V2</gco:CharacterString> </gmd:fileIdentifier> <gmd:language> <gco:CharacterString>eng</gco:CharacterString> </gmd:language> <gmd:characterSet> <gmd:MD_CharacterSetCode codeList="http://www.isotc211.org/2005/resources/CodeList/gmxCodeList" codeListValue="UTF8">UTF8</gmd:MD_CharacterSetCode> </gmd:characterSet> <gmd:hierarchyLevel> </pre>
3. List all related granules within a date range	http://podaac.jpl.nasa.gov/ws/search/granule/?datasetId=PODAAC-ALTCY-TJ122&startTime=2013-01-01T01%3A30%3A00Z&endTime=2014-01-01T00%3A00%3A00Z&format=html	 PO.DAAC Granule Search Results Merged_TOPEX_Jason_OSTM_Cycle_784.V2_11.nc Entry ID: PODAAC-ALTCY-TJ122:Merged_TOPEX_Jason_OSTM_Cycle_784.V2_11.nc Dataset ID: PODAAC-ALTCY-TJ122 ShortName: MERGED_TP_J1_OSTM_OST_CYCLES_V2 Entry updated: 2013-12-26T02:52:40Z Links: enclosure (application/atom+xml): PO.DAAC Metadata enclosure (text/xml): ISO-19115 Metadata enclosure (text/xml): OPeNDAP URL enclosure (application/x-netcdf): FTP URL Categories: Merged_TOPEX_Jason_OSTM_Cycle_783.V2_11.nc <pre> <series xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gmi="http://www.isotc211.org/2005/gmi" xmlns:gml="http://www.opengis.net/gml" xmlns:gx="http://www.isotc211.org/2005/gx" xmlns:gss="http://www.isotc211.org/2005/gss" xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.isotc211.org/2005/gmd http://www.ngdc.noaa.gov/metadata/published/xsd/compodof"> <DS_DataSet> <md:has> <gmi:MI_Metadata> <gmd:fileIdentifier> <gco:CharacterString>Merged_TOPEX_Jason_OSTM_Cycle_784.V2_11.nc</gco:CharacterString> </gmd:fileIdentifier> <gmd:contact xlink:href="#seriesMetadataContact"/> <gmd:dateStamp> <gco:DateTime>2014-04-01T12:40:02Z</gco:DateTime> </gmd:dateStamp> <gmd:dataSetURI> <gco:CharacterString>ftp://podaac-ftp.jpl.nasa.gov/allData/merged_alt/preview/L2/TP_J1_OSTM/cycles/Merged_TOPEX_Jason_OSTM_Cycle_784.V2_11.nc</gco:CharacterString> </gmd:dataSetURI> <gmd:identificationInfo> <gmd:MD_DataIdentification> <gmd:citation> </pre>
4. Get metadata for a specific granule	http://podaac.jpl.nasa.gov/ws/metadata/granule/?granuleName=Merged_TOPEX_Jason_OSTM_Cycle_784.V2_11.nc&datasetId=PODAAC-ALTCY-TJ122&format=iso	 <pre> <gmd:fileIdentifier> <gco:CharacterString>Merged_TOPEX_Jason_OSTM_Cycle_784.V2_11.nc</gco:CharacterString> </gmd:fileIdentifier> <gmd:contact xlink:href="#seriesMetadataContact"/> <gmd:dateStamp> <gco:DateTime>2014-04-01T12:40:02Z</gco:DateTime> </gmd:dateStamp> <gmd:dataSetURI> <gco:CharacterString>ftp://podaac-ftp.jpl.nasa.gov/allData/merged_alt/preview/L2/TP_J1_OSTM/cycles/Merged_TOPEX_Jason_OSTM_Cycle_784.V2_11.nc</gco:CharacterString> </gmd:dataSetURI> <gmd:identificationInfo> <gmd:MD_DataIdentification> <gmd:citation> </pre>
5. Get spatial subset of granule and image of data		

Digital Object Identifier (DOI)

- Dataset citation
- Easier to identify which dataset was used in a study (version, resolution)
- Provides provenance
- Usage metrics

Reconstructed Sea Level Version 1

10.5067/RECSL-000V1

[http://podaac.jpl.nasa.gov/dataset/RECON_SEA_LEV
EL_OST_L4_V1](http://podaac.jpl.nasa.gov/dataset/RECON_SEA_LEV
EL_OST_L4_V1)

Forum

<https://podaac.jpl.nasa.gov/forum/>

View unanswered posts • View active topics

It is currently Thu Oct 16, 2014 8:47 pm

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Total posts 103 • Total topics 76 • Total members 34 • Our newest member mdaopol

PODAAC FORUMS		TOPICS	POSTS	LAST POST
	General Questions	7	6	by podaac  Fri Jul 18, 2014 10:36 pm
	Data Recipes Programming scripts on how to read, analyze and access PO.DAAC data	4	4	by edward.m.armstrong  Tue Oct 07, 2014 12:44 am
	Data Access Tools and services	5	14	by jecoerws  Thu Oct 16, 2014 8:11 am
	Ocean Stories Discussions A forum where our User community can discuss about Ocean Stories we've published in our Web Portal.	6	6	by podaac  Wed Sep 10, 2014 7:15 pm

FREQUENTLY ASKED QUESTIONS (READ-ONLY)		TOPICS	POSTS	LAST POST
	General Information FAQ	17	17	by podaac  Fri Sep 26, 2014 10:21 pm
	User Registration System (URS) FAQ	4	4	by podaac  Tue Jul 29, 2014 9:33 pm

ANNOUNCEMENTS (READ-ONLY)		TOPICS	POSTS	LAST POST
	PODAAC General Announcements	6	6	by podaac  Thu Sep 11, 2014 6:04 pm
	System Monitor Announcements	1	1	by podaac  Fri Aug 22, 2014 9:06 pm

SCIENCE COMMUNITY COLLABORATIVE FORUMS		TOPICS	POSTS	LAST POST
	Gravity	1	1	by podaac  Mon Apr 07, 2014 8:00 pm
	Ocean Circulation	0	0	No posts
	Ocean Temperature	6	23	by podaac  Thu Apr 03, 2014 8:25 pm
	Ocean Topography	3	3	by cipo  Mon Sep 08, 2014 11:19 am
	Ocean Wind	7	7	by podaac  Fri Apr 11, 2014 5:42 pm
	Salinity	9	11	by vtontos  Wed Oct 15, 2014 2:03 am
	Sea Ice	0	0	No posts

Data Management Best Practices

https://podaac.jpl.nasa.gov/PO.DAAC_DataManagementPractices

- Topics covered
 - Dataset acceptance
 - Dataset lifecycle
 - File formats (NetCDF, HDF)
 - Metadata conventions (CF, ACDD)
- Templates
 - User Guide
 - Interface Control Documents (ICD)
 - Data Management Plan (DMP)
 - Dataset retirement
 - Submission agreements

Joint PO.DAAC NODC Altimetry Page

Thursday 11:00

Poster 136

NASA and NOAA Altimetric and Ocean Surface Topography Data Information

[Intro](#)[Missions](#)[Data Centers](#)[Data Access](#)[Coastal and Hydrological](#)[Sea Level](#)[Glossary](#)[Related Links](#)

The purpose of this page is to provide information on what satellite altimetric data are available for scientific research, especially from NASA's PO.DAAC and NOAA's NODC. While this page does not contain any data, it provides succinct descriptions and pointers to the data via dataset information pages or online tools. The information is broken up into multiple sections:

- **Missions** – This contains a chronological listing of past, present and future satellite altimetric missions.
- **Data Centers** – Provides information on mission mandated and non-mandated data centers that archive and distribute data.
- **Data Access** – How to access data from PO.DAAC and NODC and a listing of datasets available from each center.
- **Coastal and Hydrological Altimetry** – Descriptions of the various projects that provide coastal and/or hydrological altimetric data.
- **Globally Averaged Sea Level Change** – A brief description of what it is and the different projects that calculate it.

Questions

<http://podaac.jpl.nasa.gov/>

podaac@podaac.jpl.nasa.gov

<https://podaac.jpl.nasa.gov/forum/>

<http://www.youtube.com/user/NASAJPLPODAAC>

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