



PO.DAAC Data Archival/Distribution Support of NASA Salinity

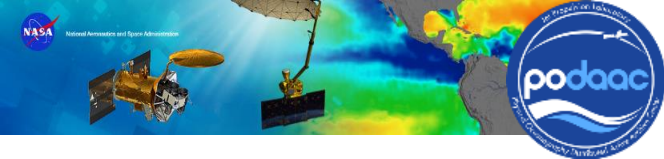
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NASA OSST Meeting

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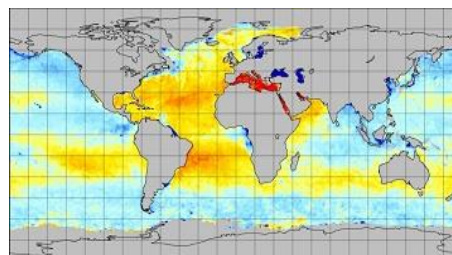
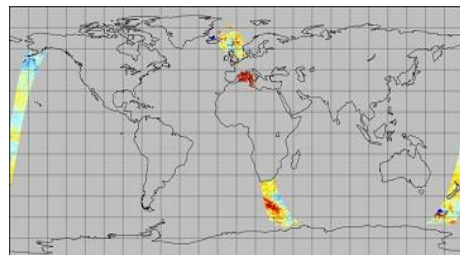


SCP Data Archival/Distribution Milestones

3 New Satellite Data Collection Releases (19 datasets)

- 2018-10-02 [JPL Aquarius-CAP V5.0](#)
L2 + L3 products (7): SSS, SSSrain-corrected, Wind x 7day-running & Monthly)
- 2018-11-05 [RSS SMAP-SSS V3.0](#)
40km & 70km resolution datasets (6): L2C + L3 SSS 8day-running & Monthly
- 2019-01-25 [JPL SMAP-SSS CAP V4.2](#)
L2B NRT & delayed mode products + L3 SSS 8day-running & Monthly products (6)

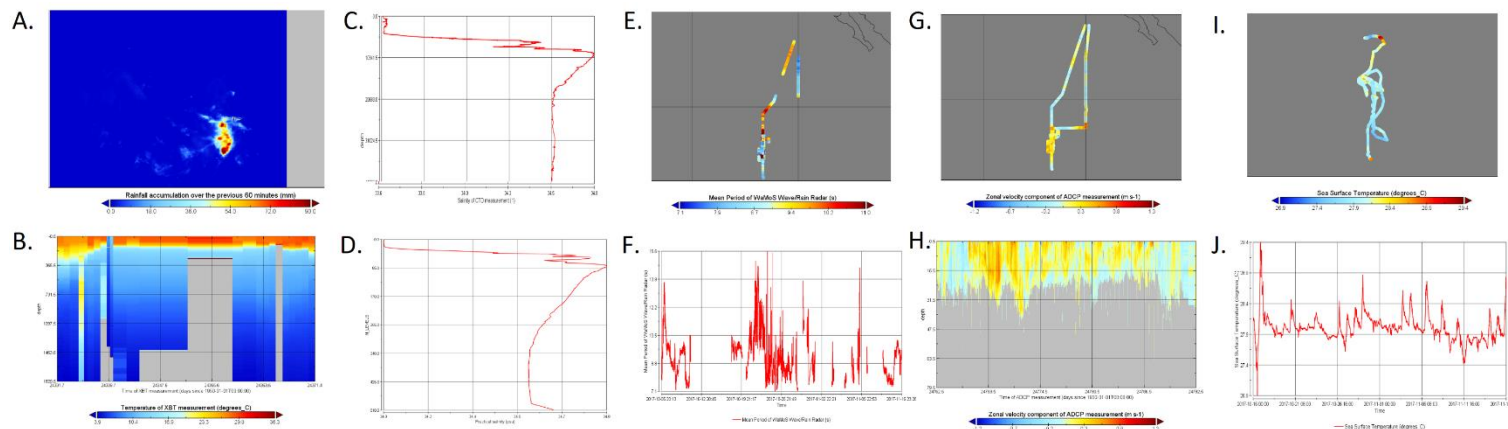
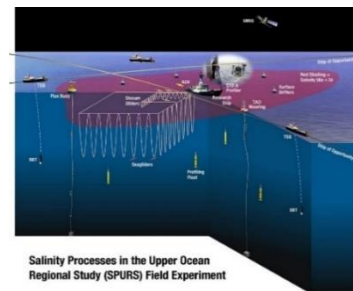
Upcoming: RSS SMAP-SSS V3.3



2 New *In-situ* Data Collection Releases (8 datasets)

- 2018-12-20 [Saildrone Baja Field Campaign Dataset](#) (surface & ADCP data)
- 2019-04-09 [SPURS-2 Field Campaign datasets](#) (7)
CTD, XBT, ADCP, ARGO, WaMoS wave radar, SEA-POL rain radar, Saildrone

Upcoming - Second batch SPURS2 data
- Saildrone Arctic campaign data (September 2019)



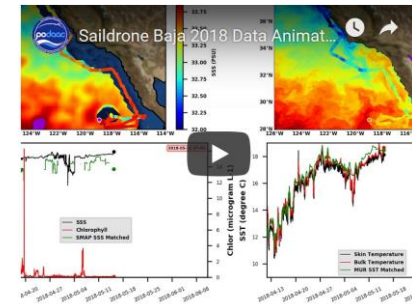
A) SEA-POL rain accumulation imagery data, B) XBT temperature profile time series plot, C) lowered CTD station salinity profile plot, D) ARGO float vertical salinity profile, E & F) WAMOS along-track WAMOS mean wave period trajectory and time series plots, G & H) ADCP u-current velocity trajectory and vertical profile series, and I & J) surface temperature trajectory and times series from Saildrone.



User Support Services for SCP



- Ongoing user support via:
 - PODAAC Helpdesk podaac@podaac.jpl.nasa.gov
 - Forum <https://podaac.jpl.nasa.gov/forum/>
- Animations (3): <https://podaac.jpl.nasa.gov/AnimationsImages/Animations>
- User/Data Metrics & Reporting
- 2 New Mission Pages: [SPURS2](#) and [Saildrone](#)

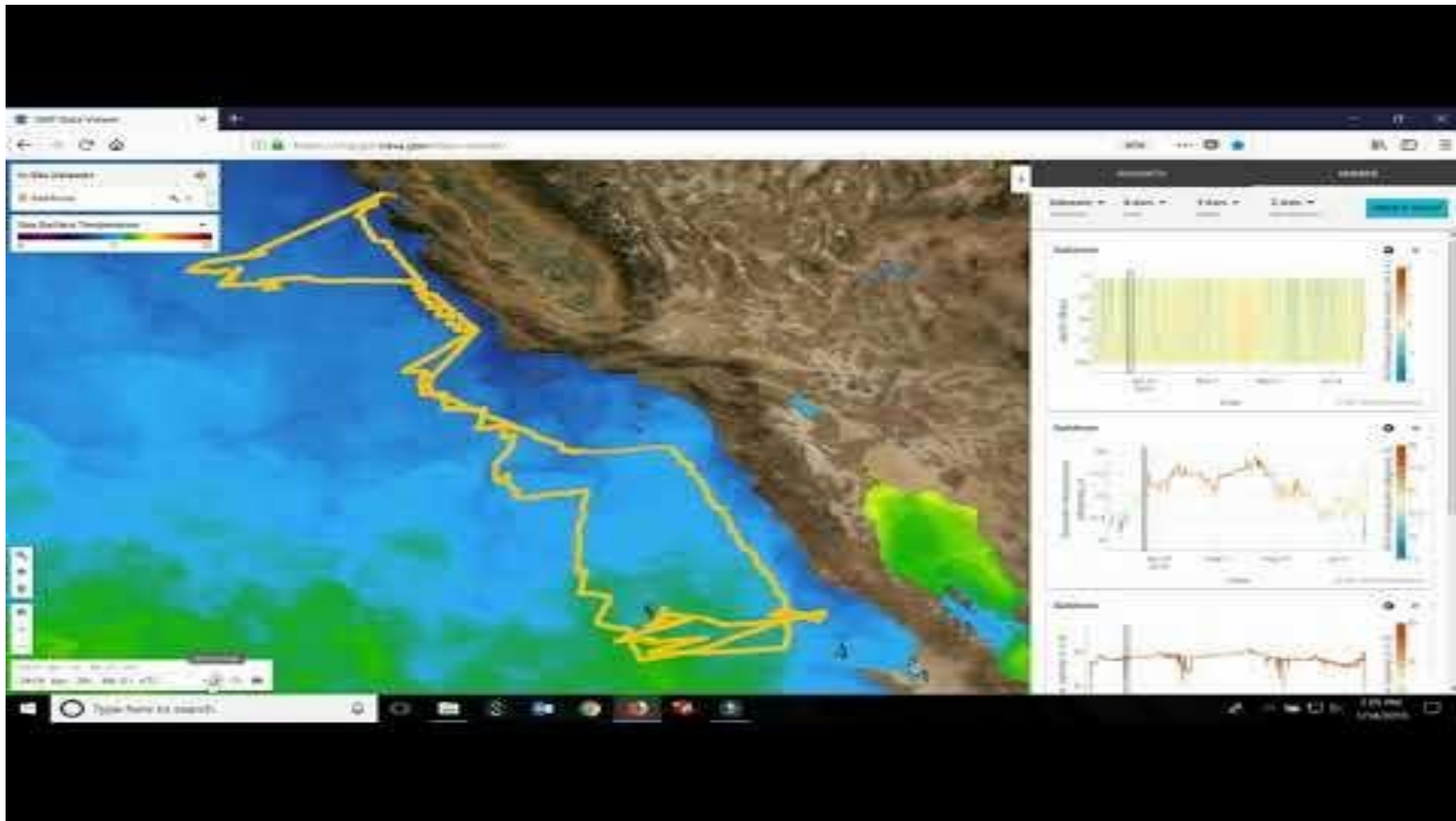


The screenshot shows the PODAAC website interface. The main content area features a large image of the Saildrone vehicle with text describing it as a state-of-the-art, wind and solar powered unmanned surface vehicle (USV) capable of long distance deployments lasting up to 12 months. The text also mentions the drone's autonomy, high-quality sensors, and the variety of instruments it carries, such as anemometers, barometers, and thermosalinographs. A sidebar on the right contains 'Data Links', 'Documentation', and 'Related Links'.

The screenshot shows the SPURS mission page. It includes a 'Field Study Objectives' section with a sub-section for 'SPURS-2 Campaign'. The text describes the SPURS-2 field campaign from August 2016 to November 2017, aimed at understanding physical processes influencing open-ocean salinity. A map shows the location of the SPURS2 campaign area in the eastern Pacific. Below the map is a table of dates and locations for the campaign. The page also features a 'Documentation' section with links to project websites, reports, and data. A 'Related Links' section includes links to the Saildrone website and NOAA/PMEL project website. The bottom of the page lists 'Sailing Platforms & Technologies' and 'Mailing Lists'.

Date (GMT)	Event	Country	Chief Scientist
R/V Revelle (R/V 10)	13 August 2016 - 29 September 2016	US	Gregory
R/V Revelle (R/V 10)	18 October 2017 - 17 November 2017	US	Druha
R/V Lady Amber	August 2016 - November 2017	ZA	

Web-based tools for Enhanced NASA Field Campaign Support



Satellite-insitu data visualization tool Demo: SAILDRONE Baja data



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

*** Important Announcement ***

PODAAC ftp will be retired on June 3rd and replaced by HTTPS based-data access:

- Downloads via WGET, CURL are supported
- A nice utility called “PODAAC Drive” is available <https://podaac-tools.jpl.nasa.gov/drive/> providing...
 - Web-client for interactively browsing data directories and downloading data
 - Network drive Mapping via WebDAV supporting rsync and drag-n-drop downloads
 - Series of Drive tutorials on the PODAAC forum
<https://podaac.jpl.nasa.gov/forum/viewforum.php?f=75>

NOTE:

- HTTPS/Drive-based access requires users having a NASA Earthdata login (URS)
- Register for URS at <https://urs.earthdata.nasa.gov/home>

Important users be proactive in transitioning to HTTPS/Drive for PODAAC data access

PO.DAAC Drive Back to WebDAV Credentials

Current Location:
files /

Name	Last Modified	Size
allData	2016-04-09 22:32:54	-
common	2017-12-12 15:41:21	-
GeodesicsGravity	2017-06-15 13:37:55	-
misc	2017-12-12 15:41:21	-
OceanCirculation	2017-06-15 13:39:05	-
OceanTemperature	2017-06-15 20:37:30	-
OceanWinds	2017-06-19 22:01:57	-
SalinityDensity	2017-06-15 13:46:53	-
Seacice	2017-06-15 13:47:53	-
SeaSurfaceTopography	2017-06-15 13:50:51	-
README	2016-10-25 19:44:59	1.1 kB
README.txt	2016-10-25 19:45:04	866 Bytes

The screenshot shows the PODAAC forum interface. The main heading is "PO.DAAC Drive". Below it, there is a search bar and a list of forum topics. The topics are sorted by "Newest" and include:

- PO.DAAC Drive on URS machines (4 replies, 1923 views)
- PO.DAAC Drive: For users with existing Earthdata Login (0 replies, 364 views)
- Download the entire archive with a single request (0 replies, 1117 views)
- CLOSED: PO.DAAC Drive S&T Testing Feedback (1 reply, 4694 views)
- Download Multiple Data Files from PODAAC Drive Using target (1 reply, 929 views)
- PO.DAAC Drive Data Recipes (4 replies, 7590 views)
- New Archive Webinar: PO.DAAC Drive and HTTP (0 replies, 877 views)



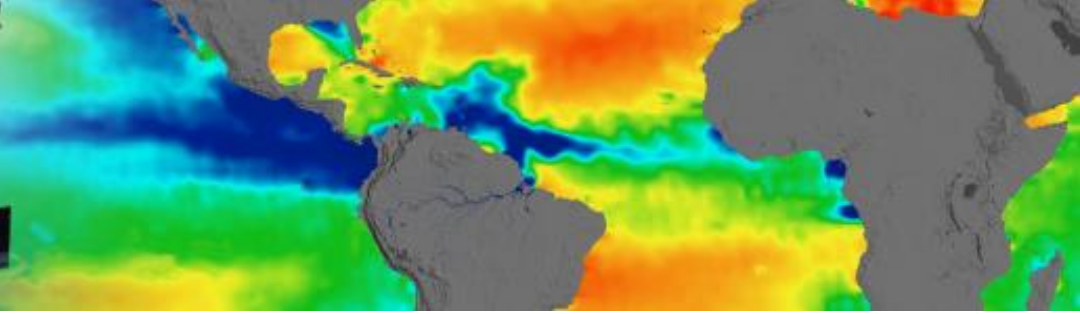
PI Data Producers & Potential Data Providers

If your salinity project produces data products of use/importance to the broader community, you have a NASA funding agency requirement to archive your data at a DAAC, and you stated in your proposal that you would do so, then ...

- **Contact the PODAAC proactively to inform us of your dataset, timeline and data submission plans**
- **While PODAAC encourages relevant submissions, it also has a review, approval and prioritization process for archival of candidate PI datasets**
- **Requirements for Archival:**
 - “Dataset Submission Agreement” is completed between Data provider and PODAAC
 - Data product(s) adheres to data interoperability standards (CF/ACDD metadata, netCDF/HDF file formats) per https://podaac.jpl.nasa.gov/PO.DAAC_DataManagementPractices
 - Technical Interfaces to access the data are defined & documented (ICD)
 - Data are accompanied by Technical Documentation (eg. ATBD, User Guide/Format Spec, Validation Report)



National Aeronautics and Space Administration



Questions ?