



PO.DAAC Data Archival/Distribution Support of NASA Salinity

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NASA OSST Meeting

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2 Major Milestones related to Aquarius Completed

- Aquarius V5.0 end-of-mission data archived & released publicly on 12 December 2017
- Phase F Aquarius mission artifact preservation & closeout task
 - Joint PODAAC & GSFC undertaking
 - Concluded July 2018
 - *AquariusPreservationArtifactChecklistForMissionCloseout_20180708.xlsx*
 - All mission data products & versions (sci, evsci)
 - All ancillary datasets used in ADPS processing (19), AVDS validation analyses etc
 - ADPS SeaDAS software with Aquarius V5.0 processing module and documentation
 - All technical documentation artifacts (ATBDs, ICD, User Guides, Flagging specs, ...)
 - All Aquarius CalVal team Samoa-ftp documentation artifacts
 - Aquarius-related webinar presentation materials
 - Aquarius mission website & PODAAC Aquarius mission page
 - List of Aquarius CalVal team names/contacts

DOIs for 8 Key Aquarius V5.0 technical Documents

- <http://dx.doi.org/10.5067/DOCUM-AQR01>. Aquarius Data Users Guide V5.0
- <http://dx.doi.org/10.5067/DOCUM-AQR02> Aquarius Salinity Validation Analysis V5.0
- <http://dx.doi.org/10.5067/DOCUM-AQR03> Aquarius Validation Data System (AVDS) protocol & data
- <http://dx.doi.org/10.5067/DOCUM-AQR04> Aquarius consolidated ATBD V5.0
- <http://dx.doi.org/10.5067/DOCUM-AQR05> Aquarius L2 to L3 Processing Document
- <http://dx.doi.org/10.5067/DOCUM-AQR06> Aquarius Performance Degradation & Q/C Flagging of Aquarius L2 Salinity Retrievals
- <http://dx.doi.org/10.5067/DOCUM-AQR07> Aquarius Scatterometer Calibration report
- <http://dx.doi.org/10.5067/DOCUM-AQR08> Aquarius Radiometer Counts to Antenna Temperature Processing for V5

New Dataset Releases (5)

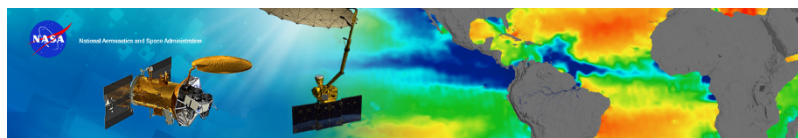
- 2017-12-19 [Official NASA AQUARIUS/SAC-D Version 5.0 End-of-Mission Data](#)
- 2018-01-25 [NASA/GSFC AQUARIUS RFI Level 3, Version 1.0](#) (Soldo, De-Mattheis, Levin)
- 2018-02-22 [JPL SMAP Sea Surface Salinity \(SSS\) CAP V4.0 Dataset](#) (Fore, Tang, Hyashi, Yueh)
- 2018-07-03 [Aquarius Ancillary Celestial Sky Microwave Emission Map Dataset](#) (Dinnat)
- 2018-07-27 [IPRC/SOEST Optimally Interpolated Sea Surface Salinity \(OISSS\) Aquarius V5.0 Dataset](#) (Melnichenko)

Upcoming Releases in September/October

- RSS SMAP-SSS V3.0 (40km & 70km – 6 products)
- JPL Aquarius CAP V5.0 (7 products)
- JPL SMAP-SSS V4.1 (3 products)

User Support

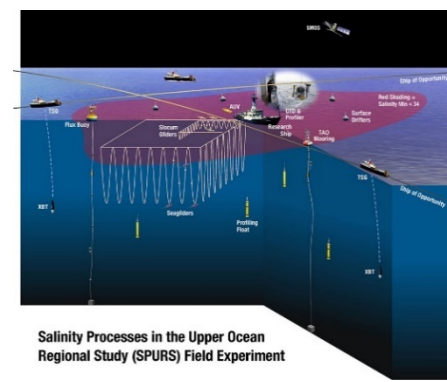
- Ongoing user support via PODAAC Helpdesk podaac@podaac.jpl.nasa.gov & Forum <https://podaac.jpl.nasa.gov/forum/>
- Webinars: “Don't Pass the Salt! NASA's Salinity Mission Continues with SMAP”
<https://earthdata.nasa.gov/user-resources/webinars-and-tutorials/webinar-podaac-08-aug-2018>
- Animations (3): <https://podaac.jpl.nasa.gov/AnimationsImages/Animations>



NASA Salinity Field Campaign & Project Support

Support for SPURS 1 & 2 Field Campaigns

- <https://podaac.jpl.nasa.gov/spurs>
- SPURS1 datasets (15) released in 2015-05-11
- First of 3 SPURS2 data deliveries to PODAAC expected this December through end 2019



Saildrone Data for SSS Science and Arctic SST/SSS

- PODAAC data engineering support for data product specification
- Archival/distribution support only for campaigns directly linked to NASA science activities:
 - Saildrone deployment during SPURS2
 - Baja CA 2018 field campaign data delivery (Oct. 2018) - surface measurements & ADCP
 - Future: Saildrone data to be used in NOPP project on Arctic SST and project relating to Arctic-SSS



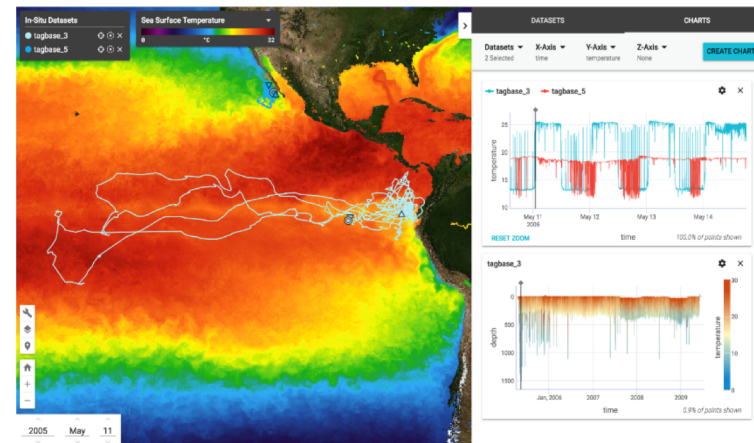
NASA ACCESS “Oceanographic In-situ data Interoperability” project

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

Software tools services aimed at increasing PODAAC capacity to deal with oceanographic field datasets

- THREDDS V5.0 - support for discrete geometry datasets (point, profile, trajectory series)
- ROSETTA – web-based conversion tool for the production of CF compliant netCDF files from CSV
- Web-based Satellite-insitu data visualization tool (JPL Common Mapping Client)

<https://youtu.be/CgOTwWWMhdc>



*** Important Announcement ***

NASA-Wide FTP is being retired!

- PODAAC sent a [general announcement](#) on this 5 June. More info to follow soon ...
- PODAAC has recently been informed by JPL that after November the PODAAC public ftp site will no longer receive the necessary security clearances to operate.
- PODAAC ftp will be retired by end-November 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...
 - GUI webclient 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>
 - For automated application access, login persistence based on Cookies (max 1 month)
- **Very important users be proactive in becoming familiar with and transitioning to HTTPS/Drive for PODAAC data access**

PO.DAAC Drive [Back to WebDAV Credentials](#)

Current Location:
files /

Name	Last Modified	Size
allData	2018-04-09 22:32:54	-
common	2017-12-12 15:41:21	-
GeodeticsGravity	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	-
Sealce	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

PO.DAAC Drive

Forum home • PODAAC Forums • Data Access • Tools and Services • PO.DAAC Drive

7 topics • Page 1 of 1

TOPICS	REPLIES	VIEWS	LAST POST
PO.DAAC drive on UNIX machines by jwellin • Fri Apr 21, 2017 7:09 am	4	1923	by pacomet • Wed Jun 06, 2018 11:54 pm
PO.DAAC Drive: For users with existing Earthdata Login & by podaac • Thu May 18, 2018 1:11 pm	0	364	by podaac • Thu May 18, 2018 1:11 pm
Download the entire archive with a single request by podaac • Tue May 16, 2017 11:59 am	0	1117	by podaac • Tue May 16, 2017 11:59 am
CLOSED - PO.DAAC Drive UAT Testing Feedback by podaac • Tue Feb 22, 2016 2:28 pm	1	4894	by mngangl • Wed Jan 18, 2017 12:59 pm
Download Multiple Data Files from PODAAC Drive Using wget by ybej • Thu Dec 01, 2016 10:30 am	1	928	by mngangl • Wed Jan 11, 2017 7:21 am
PO.DAAC Drive Data Recipes by mngangl • Tue Dec 28, 2016 10:09 am	4	7590	by mngangl • Tue Mar 07, 2017 7:44 am
Data Access Webinar: PO.DAAC Drive and HTIDE by mgrach09 • Tue Oct 04, 2016 12:20 am	0	877	by mgrach09 • Tue Oct 04, 2016 12:20 am

Display topics from previous: All Topics Sort by Post time Descending Go



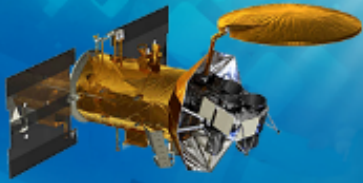
Data Producers & Potential Data Providers

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 ...

- If you are here, let us know and we can discuss further
- 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 process (DGAP) aimed at reviewing, selecting and prioritizing candidate PI datasets for archival
- Prior to archival a “Dataset Submission Agreement” is completed between Data provider and PODAAC (provides necessary logistical information and outlines expectations)
- Requirements for Archival:
 - 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 and documented (ICD)
 - Data are accompanied by Technical Documentation (eg. ATBD, User Guide/Format Spec, Validation Report)



National Aeronautics and Space Administration



Questions ?