Status Update on PO.DAAC's OVW Products and Services

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The Physical Oceanography Distributed Active Archive Center (PO.DAAC)

- We provide data, tools, and user services for physical ocean parameters including: Circulation/Currents, Gravity, ***OVW***, Salinity, and Sea Surface Temperature.
- One of 12 NASA-sponsored DAACs
- Designated archive for many NASA EOS missions: Aquarius (June 2011), GRACE, Jason-1, NSCAT, SEASAT, SeaWinds on QuikSCAT/ADEOS-II.
- Additional archive for partner missions and value-added products: AVHRR, GHRSST, MODIS, SSM/I Pathfinder, TOPEX/Poseidon, WindSat (cal/val).

New Tools, Services, and Features

- New Web Portal: http://podaac.jpl.nasa.gov
  - Viewable in beta since January 2011
  - Fully transitioned on April 27th
  - Old web pages still accessible: http://podaac-old…*
- New FTP Layout: ftp://podaac.jpl.nasa.gov/allData/
- State of the Oceans Data Viewer
- ASCAT arriving via Dataminer (in test Delivery this week)
- Coming Soon:
  - Web Forum
  - THREDDS Data Server


This is a BETA version of PO.DAAC's new portal and is subject to change. Our operational website remains at http://podaac.jpl.nasa.gov
PO.DAAC
PHYSICAL OCEANOGRAPHY
DISTRIBUTED ACTIVE ARCHIVE CENTER
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DATA ACCESS
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Spatial Coverage
Latency
To browse for datasets, select a starting category from the left
SEARCH FOR DATASETS:
Enter Dataset Keyword
Go
All NASA Datasets Search WIST powered by
DATA ACCESS TOOLS & SERVICES
PROTOCOLS
FTP | OPeNDAP
DATA SUBSCRIPTION
Datacasting
LEVEL 2 SUBSETTING
Dataminer
LEVEL 3 SUBSETTING
POET
STATE OF THE OCEAN
Click here to View the Current State of the Ocean on Google Earth
EVENTS
OVW Science Team Meeting
2011-05-09 | Annapolis, Maryland
EUMETSAT/ ESA Scatterometer Science Conference
2011-04-11 | Darmstadt, Germany
AMS 91st Annual Meeting
2011-01-23 | Seattle, WA
› MORE
ANNOUNCEMENTS
Recent Update to New Coastal High Resolution QuikSCAT Dataset
Thursday, April 14, 2011
Transition to new web portal, FTP server and OPeNDAP server
Monday, April 4, 2011
New Coastal High Resolution QuikSCAT Dataset
Thursday, March 17, 2011
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EOSDIS
NASA EARTH SCIENCE DATA CENTERS
PO.DAAC is one of NASA's Earth Observing System Data and Information System Data Centers. >>
FUN FACT
The highest tides in the world are at the bay of Fundy, which separates New Brunswick from Nova Scotia.
DATASET HIGHLIGHT
Jason-1 Enhanced Jason Microwave Radiometer Product
February 27, 2011
The Jason Microwave Radiometer (JMR) Enhanced Product provides an improved rain and sea ice flag valid for the radiometer data products and applies a recently developed coastal processing algorithm to provide wet tropospheric Path Delays (PD) near land, where the data were previously flagged as bad in the Geophysical Data Record (GDR). The use of satellite altimetry for coastal studies has steadily increased over the past several years, but some of the science processing algorithms used to produce the data products on the GDR are either tuned for the open ocean or only valid in the open ocean and not valid in the coastal zone. One such...
› MORE

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

Home › Forums ›

OCEAN WIND AND SCATTEROMETRY FORUM (OSWF)

Mark all topics read New posts Unanswered topics

	Ocean Wind and Scatterometry Forum (OSWF)	Topics	Posts	Last post
	OWSF Cal/Val	1 4 new	1	Hi there ... by dado 05/06/2011 - 19:57
	OWSF Comments on PODAAC Wind Products	0	0	n/a
	OWSF Conference/Meetings	2 4 new	2	2011 ... by moroni_de 13 min 25 sec ago
	OWSF Operational Applications	1	7	this is a test by dado 05/06/2011 - 19:21
	OWSF Papers	0	0	n/a
	OWSF Presentations	0	0	n/a
	OWSF Radiometer Missions: Past, Present, and Future	0	0	n/a
	OWSF Scatterometer Missions: Past, Present and Future	0	0	n/a
	OWSF Science Questions	0	0	n/a

Forum contains new posts Forum contains no new posts

NEW FORUM TOPICS

- 2011 International Ocean Vector Winds Science Team (IOVWST) Meeting
- Hi there (by DADO - member OWS role)
- new topic by DADO (member OWS)
- this is a test
- GHRSST Science Team Meeting XII

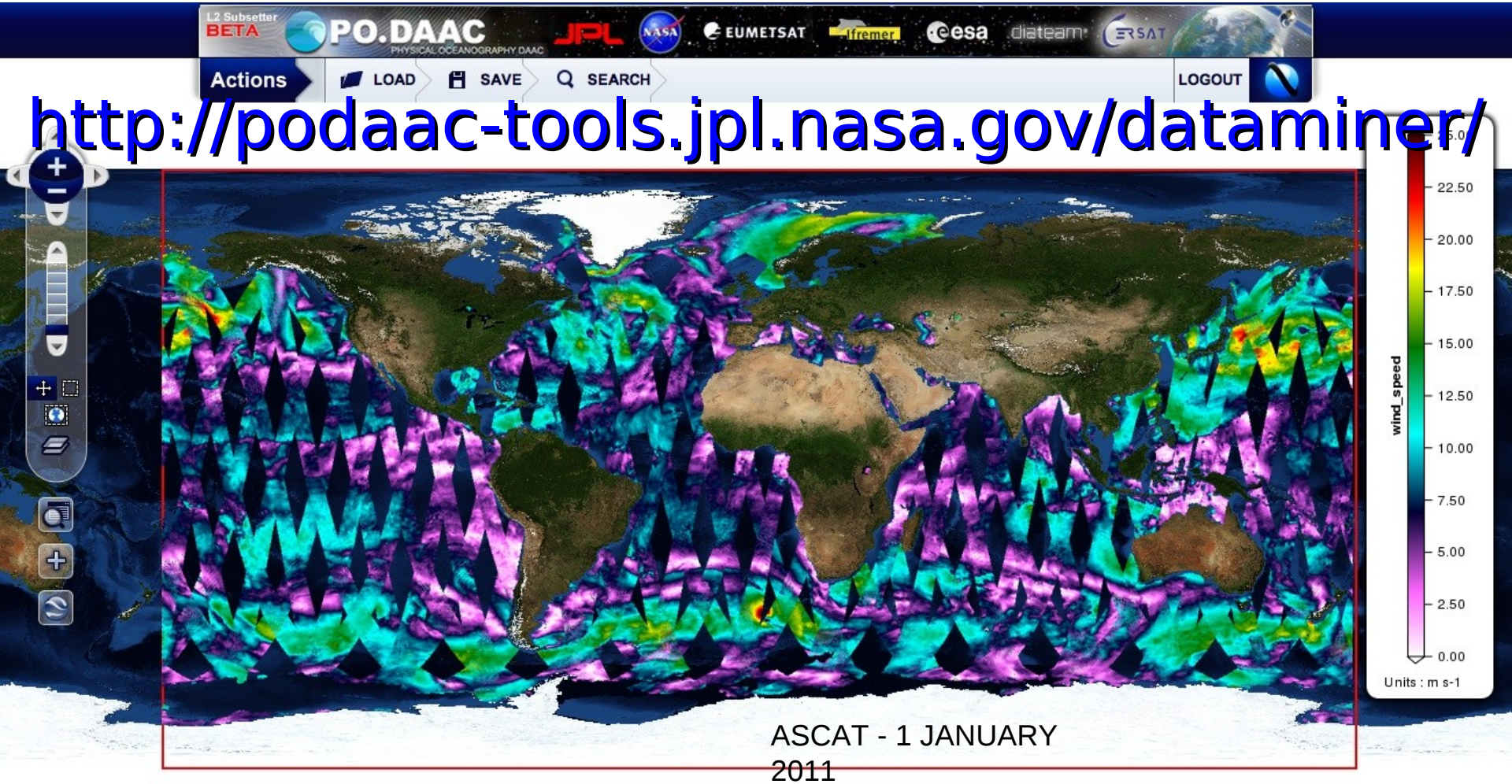
more

RECENT COMMENTS

- reply to comment (by dado)
  2 days 13 hours ago
- reply to post (by DADO)
  2 days 13 hours ago
- reply to post
  2 days 13 hours ago
- Reply by registered user (not OWS)
  3 days 11 hours ago
- reply to reply1
  3 days 11 hours ago
- test1 - reply
  3 days 11 hours ago
- THis is a test from the user with no permission
  3 days 15 hours ago
- new comment
  5 weeks 4 days ago

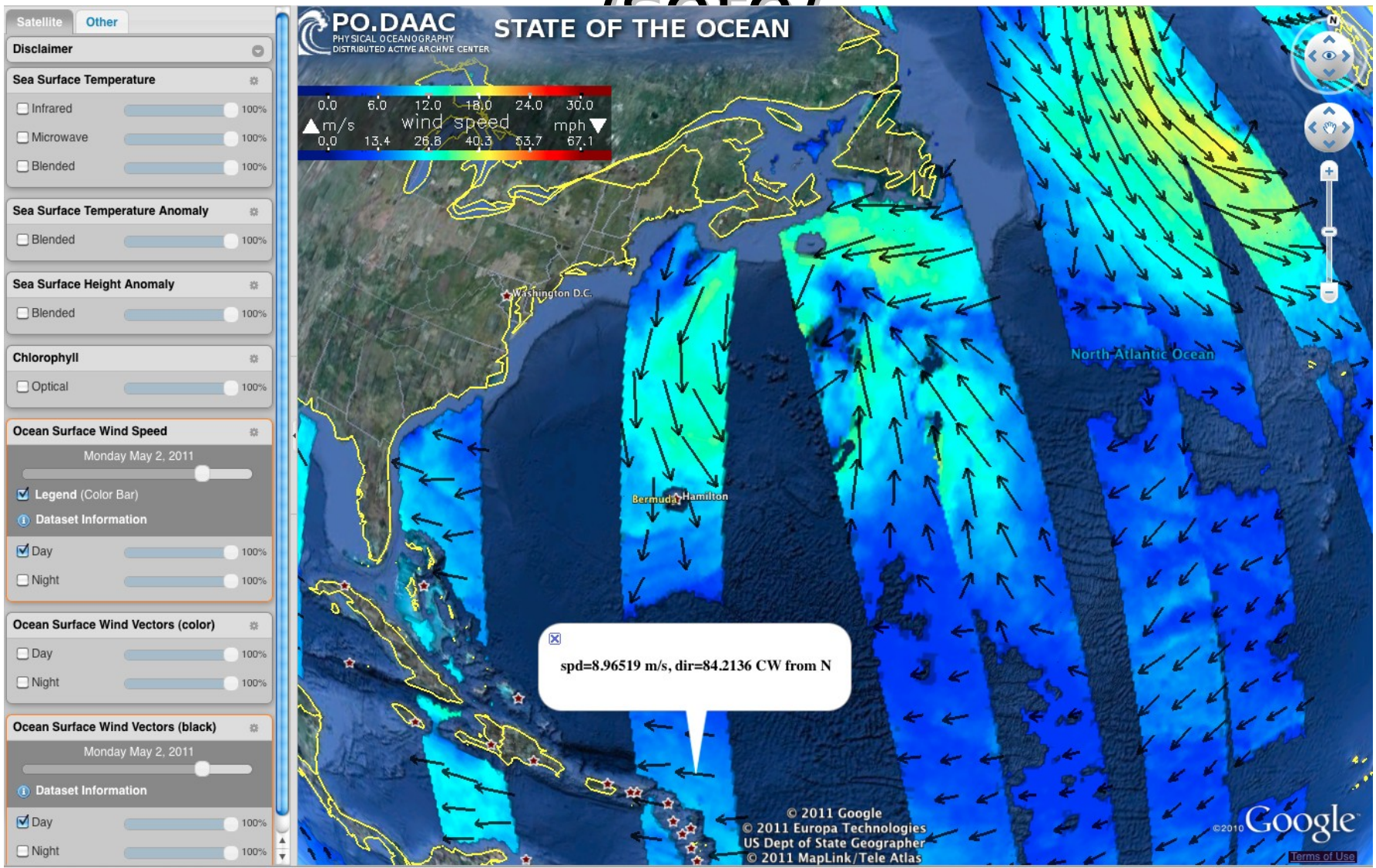
WHO'S ONLINE

There are currently *1 user* and *0 guests* online.



ASCAT - 1 JANUARY 2011

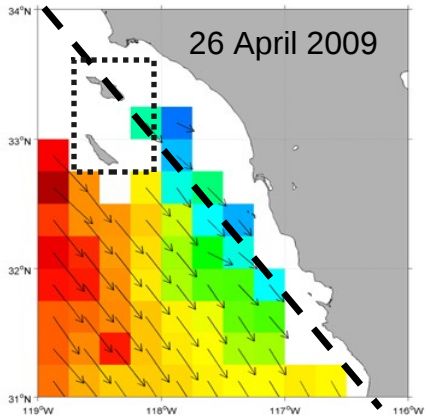
http://podaac-tools.jpl.nasa.gov/soto/



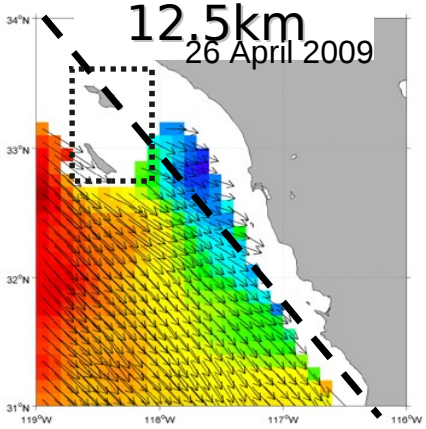
New Coastal Wind Product

- QuikSCAT Coastal Wind/Stress (Plus Derivatives) from Vanhoff et al. (OSU/COAS)
  - Initially released for U.S. West Coast; more coastal regions to come!
  - 0.1°x0.1° Grid, NetCDF v3, CF-compliant
  - Up to 5-km proximity from coastal edge, dynamic land mask
  - 46 users since it's release in March 2011

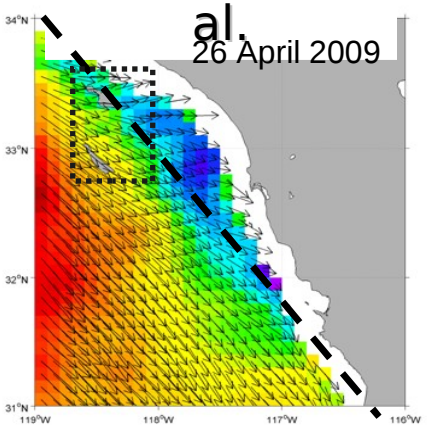
L2B 25km

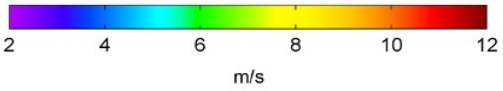


L2B 12.5km



Vanhoff et al.





Local-Time-of-Day Sigma0-Browse (BYU)

- New LTOD Sig-Brw files to supplement Daily Sig-Brw dataset for both QuikSCAT and SeaWinds on ADEOS-II
- Same resolution as Daily product, but separated as polar-stereographic northern and southern pole regions.
- Preliminary release for QuikSCAT available here:

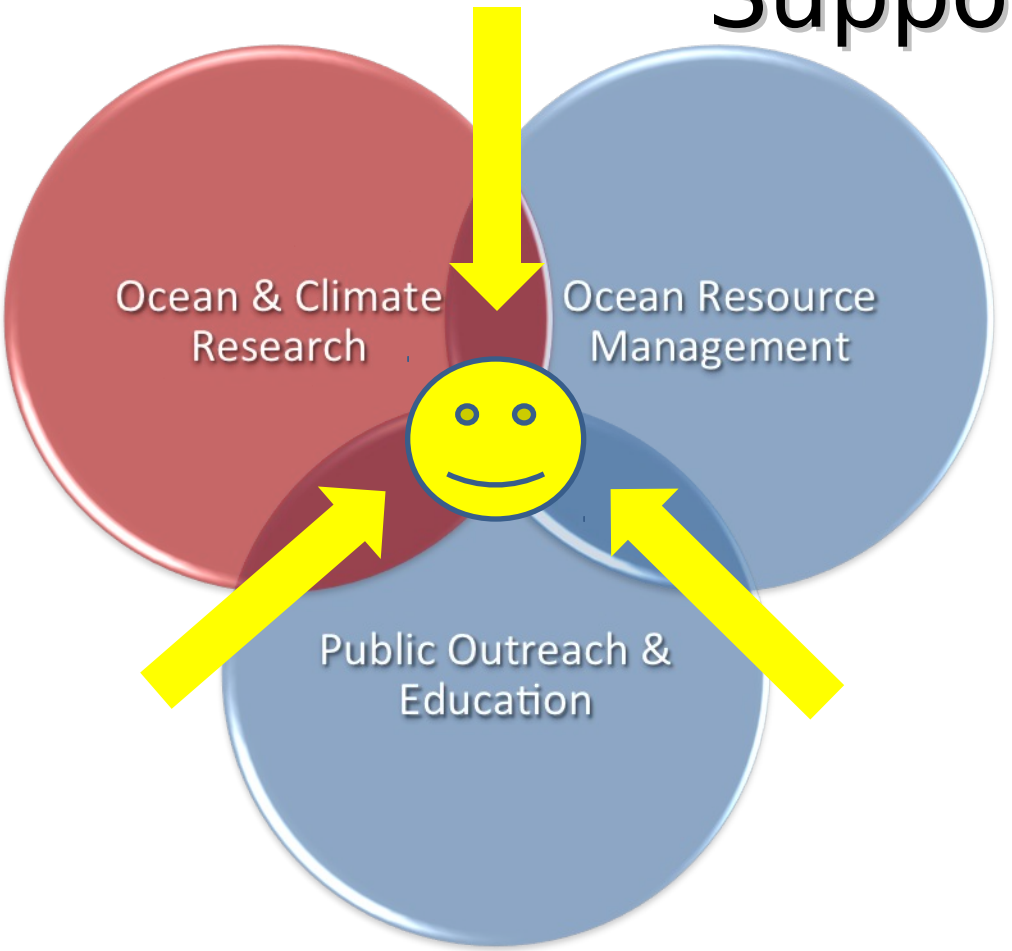
ftp://podaac-old.jpl.nasa.gov/ocean_wind/quikscat/sigma0browse/data/

- SeaWinds version here: ftp://podaac-old.jpl.nasa.gov/ocean_wind/seawinds/sigma0browse/data/
- To be migrated to new management and archive system by end of May.

Datasets Coming Soon!

- QuikSCAT:
  - L2B: JPL reprocessed L2B data, providing both wind vectors at 12.5 km sampling (summer 2011)
  - L2C: JPL wind/stress vectors with derivative fields at 12.5 km sampling using spatial filtering and latest L2B GMF and rain flagging (summer 2011)
  - L3: Monthly-averaged Wind/Stress Fields on 1.0° global grid (summer 2011)
  - L3: QuikSCAT/SeaWinds Enhanced Resolution Sigma-0 Browse (David Long, summer 2011)
  - L3: Daily Gridded Pseudo-stress (Bourassa) on 1.0° global grid (awaiting latest L2B reprocessing)
- ASCAT:
  - L2: OSI-SAF (KNMI) 12.5 km coastal wind vector product (Summer 2011)
  - L3: OSI-SAF (KNMI) daily wind vectors on 0.25° global grid (under development)
- WindSat:
  - L3: REMSS daily wind vectors on 0.25° global grid (Summer 2011)
- OSCAT:
  - Awaiting final calibration from ISRO and a separately processed version from NASA/JPL
  - ISRO version will be a climate dataset in delayed mode, similar to the QuikSCAT L2B
  - NASA/JPL will produce an L2B dataset, also in delayed mode
  - Both should be available for public distribution by the beginning of 2012

Broadening User Service and Support

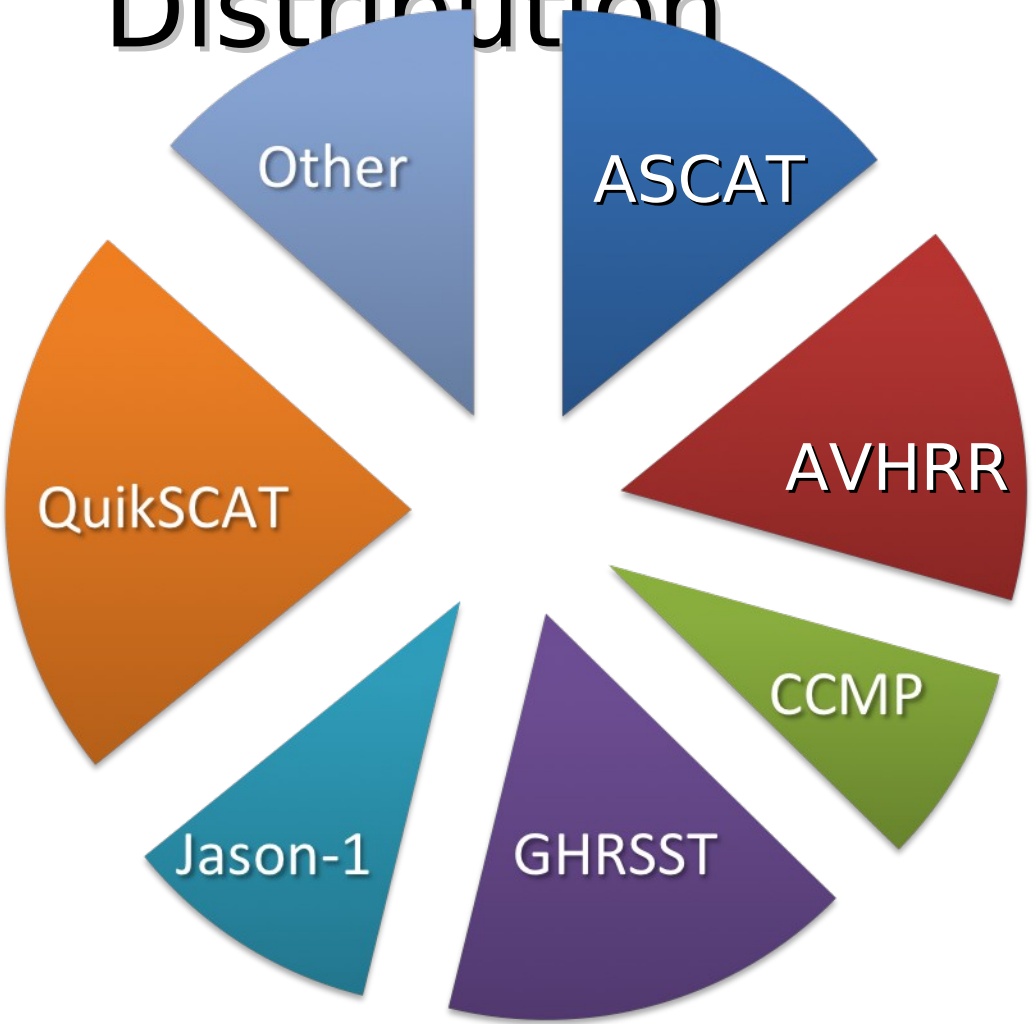


- Ocean and Climate Research: biggest driver and highest priority
- Ocean Resource Management: fisheries, wind power farms, oil rigs
- Public Outreach/Education: media, schools, public officials

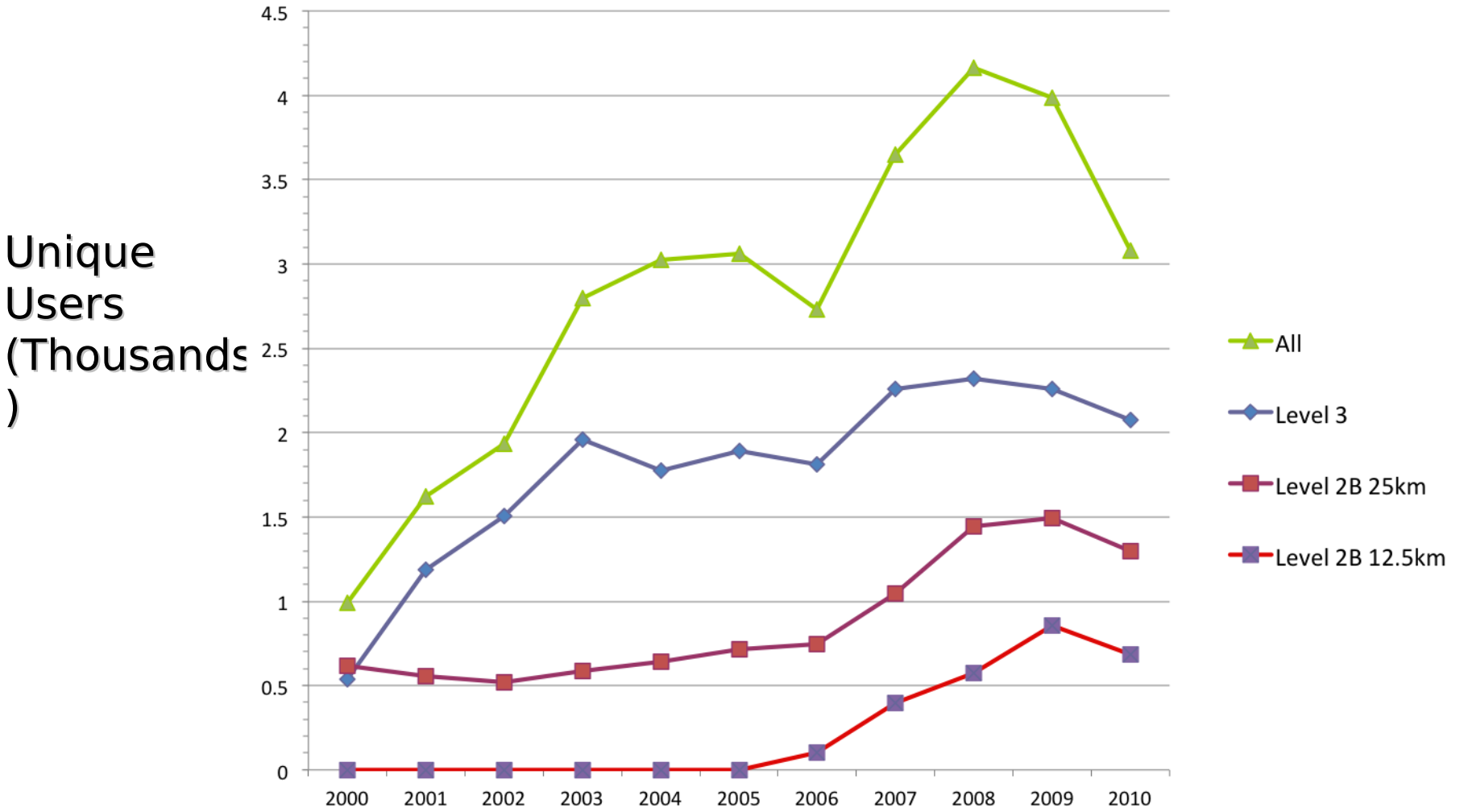
Measuring Our Success

- Metrics collection:
  - Data ingest and access
  - Data and services usage
  - User satisfaction rates
  - Portal access
  - Search engine ranking
- Reminder: please register your name and email at podaac@podaac.jpl.nasa.gov in order to receive the annual EOSDIS user satisfaction survey.

2010-2011 Unique User Distribution

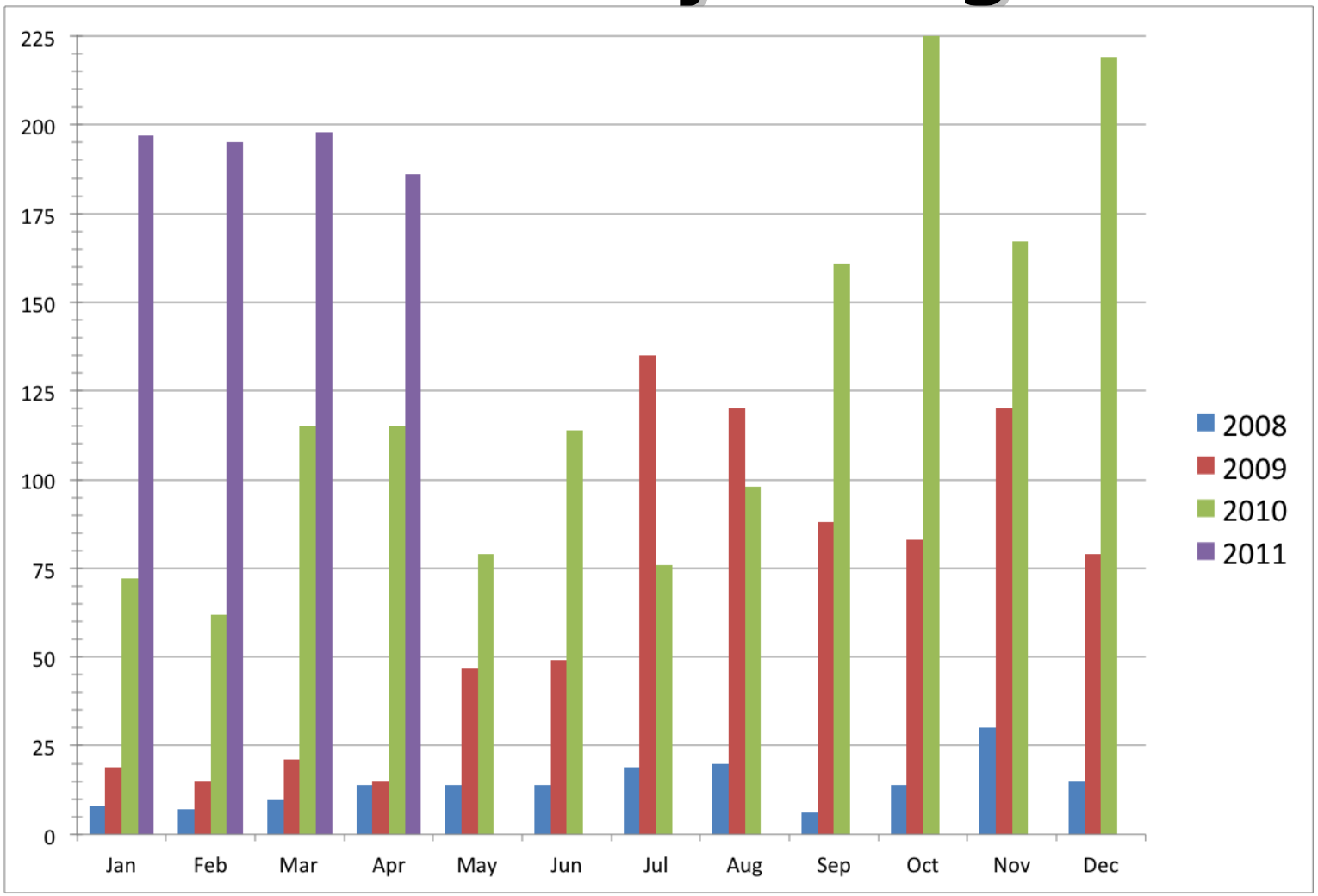


QuikSCAT Annual FTP Usage



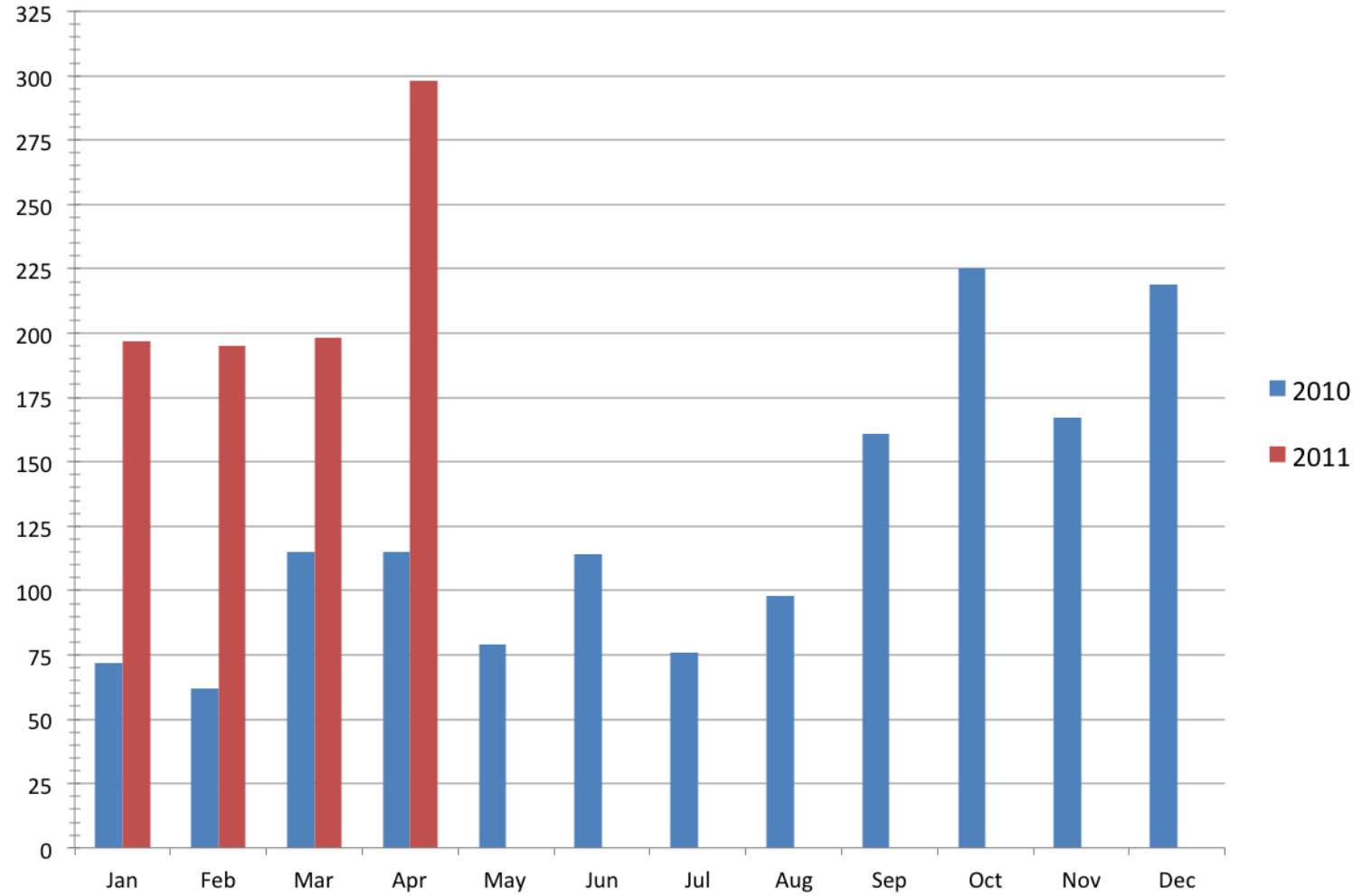
CCMP Monthly Usage

Unique Users

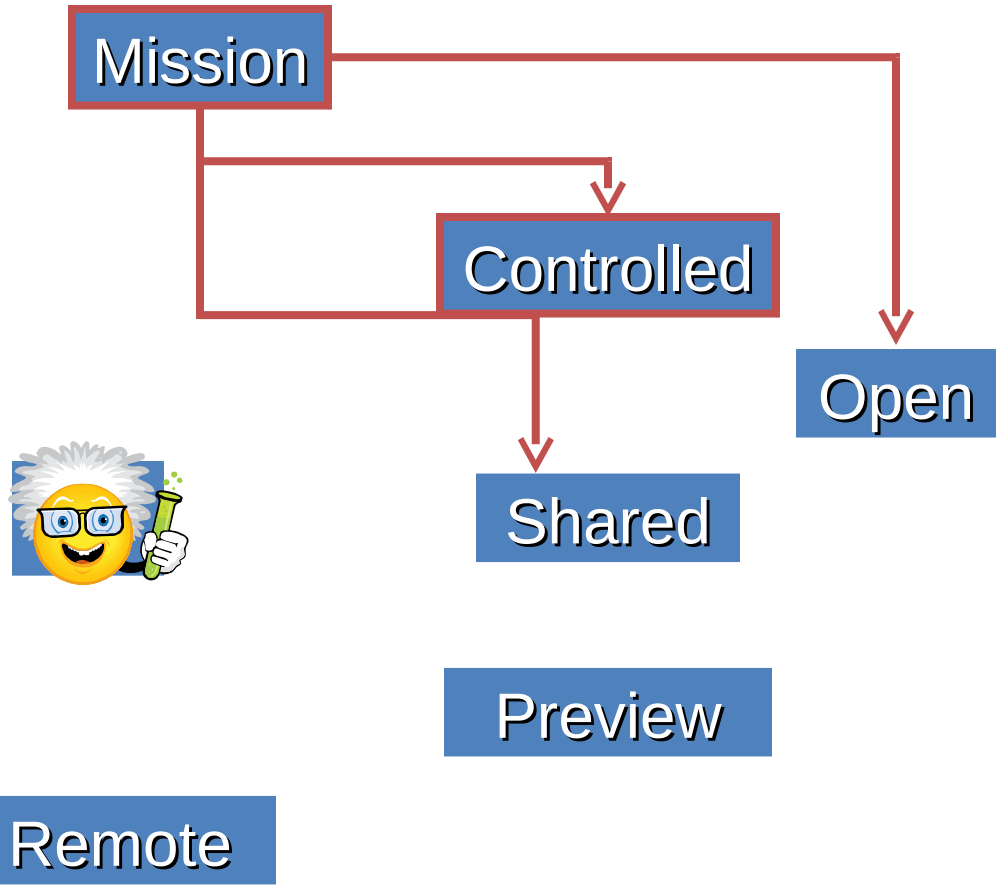


ASCAT Monthly Usage

Unique Users



roduct Delivery for PIs



Definitions:

- Open: standard products that have been fully vetted and validated and have full user support.
- Controlled: restricted access due to mission-sensitive data; usually regulated by ITAR.
- Shared: restricted access to products shared within a group of scientists led by the PI.
- Preview: products intended for public distribution but have limited user support due to a lack of vetting or validation.
- Remote: products are searchable through the web portal but users are re-directed to the PI's FTP server.

Science Support at PO.DAAC

- Dr. Michelle Gierach (Michelle.Gierach@jpl.nasa.gov)
  - Lead Project Scientist
  - Primary point-of-contact between all science teams and PO.DAAC (for all parameters).
- Dr. Tong Lee (Tong.Lee@jpl.nasa.gov)
  - Scientist responsible for wind-related topics.
- Scientists will help collect and coordinate feedback between IOVWST and PO.DAAC
- Much of the community feedback is aimed to be carried out through the PO.DAAC web forum.
  - http://podaac.jpl.nasa.gov/forum/

Questions?

For additional questions and registration to PO.DAAC's email list, please contact:

PODAAC@PODAAC.JPL.NASA.GOV