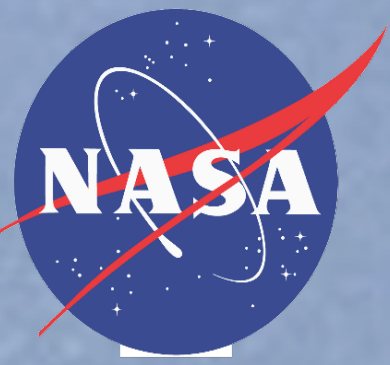


New Products and Services Available from PO.DAAC



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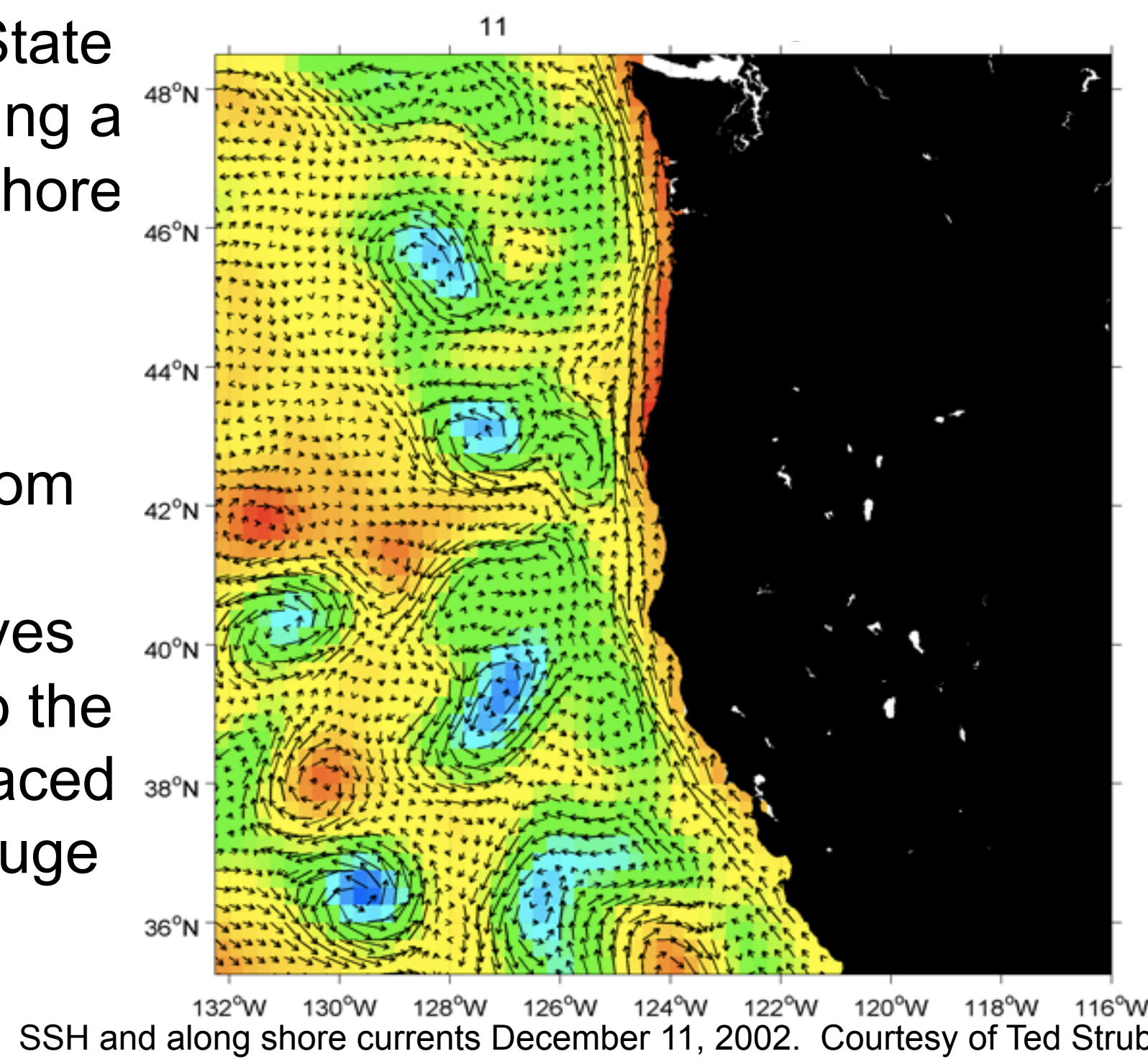
Jet Propulsion Laboratory California Institute of Technology/Pasadena, CA USA

This year the Physical Oceanographic Distributed Active Archive Center (PO.DAAC) will distribute several new products ranging from coastal SSH to a near real time GPS orbit based SSHA to a level 3 gridded SSHA product. PO.DAAC will also provide new tools and services such as the Web Based Altimetric Services, L2 subsetter, a users' forum and webpage redesign.

New Products

Coastal SSH and Along Shore Currents

Ted Strub from Oregon State University will be producing a coastal SSH and along shore current product of the western USA coast and distributing it through PO.DAAC. It is based from the AVISO third degree merged maps, but removes the data 75 km closest to the coast, which is then replaced with CODAR and tide gauge data.

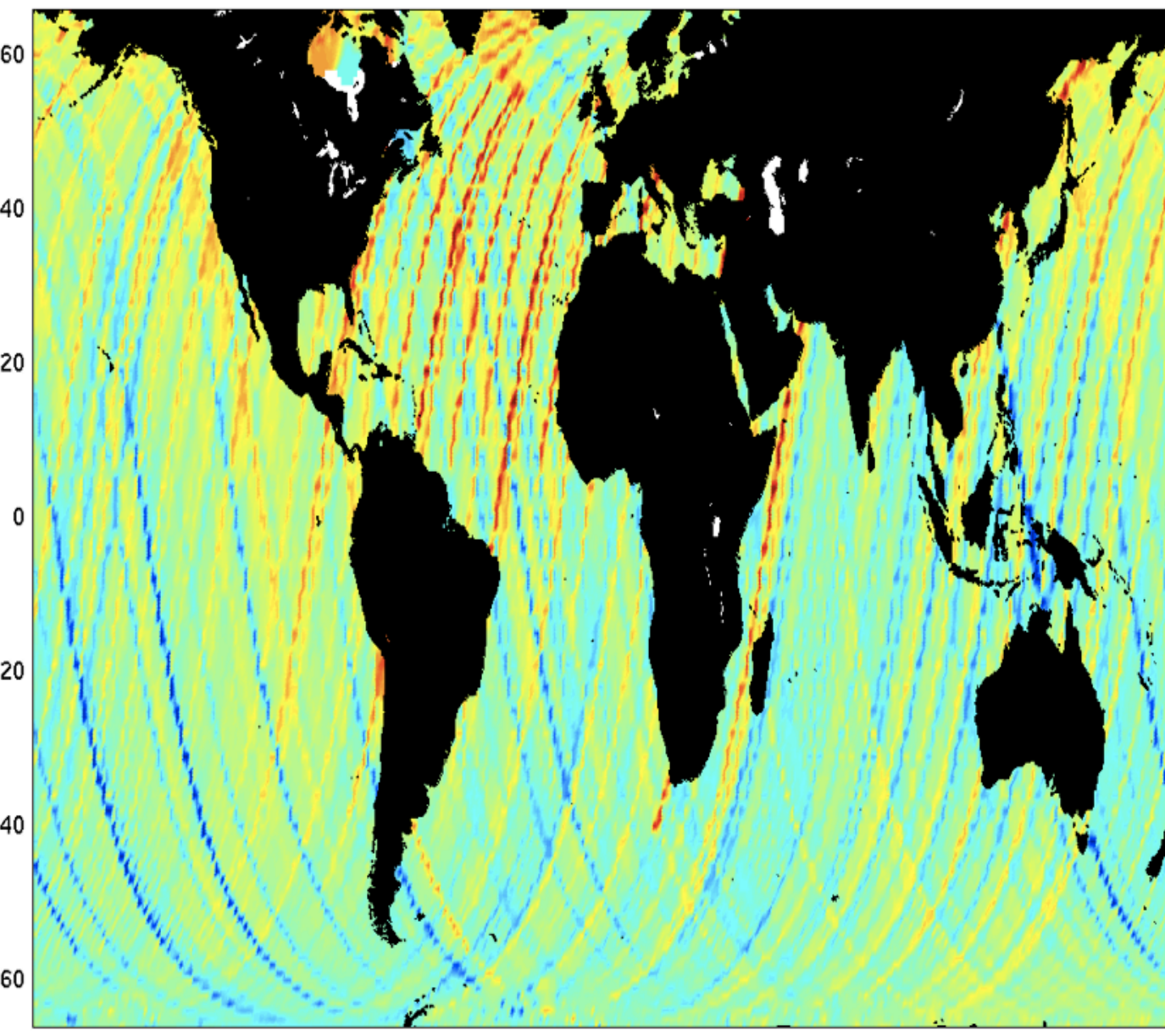


SSH and along shore currents December 11, 2002. Courtesy of Ted Strub

OSTM GPS-OGDR

(http://podaac.jpl.nasa.gov/pub/sea_surface_height/ostm/preview/GPS-OGDR/)

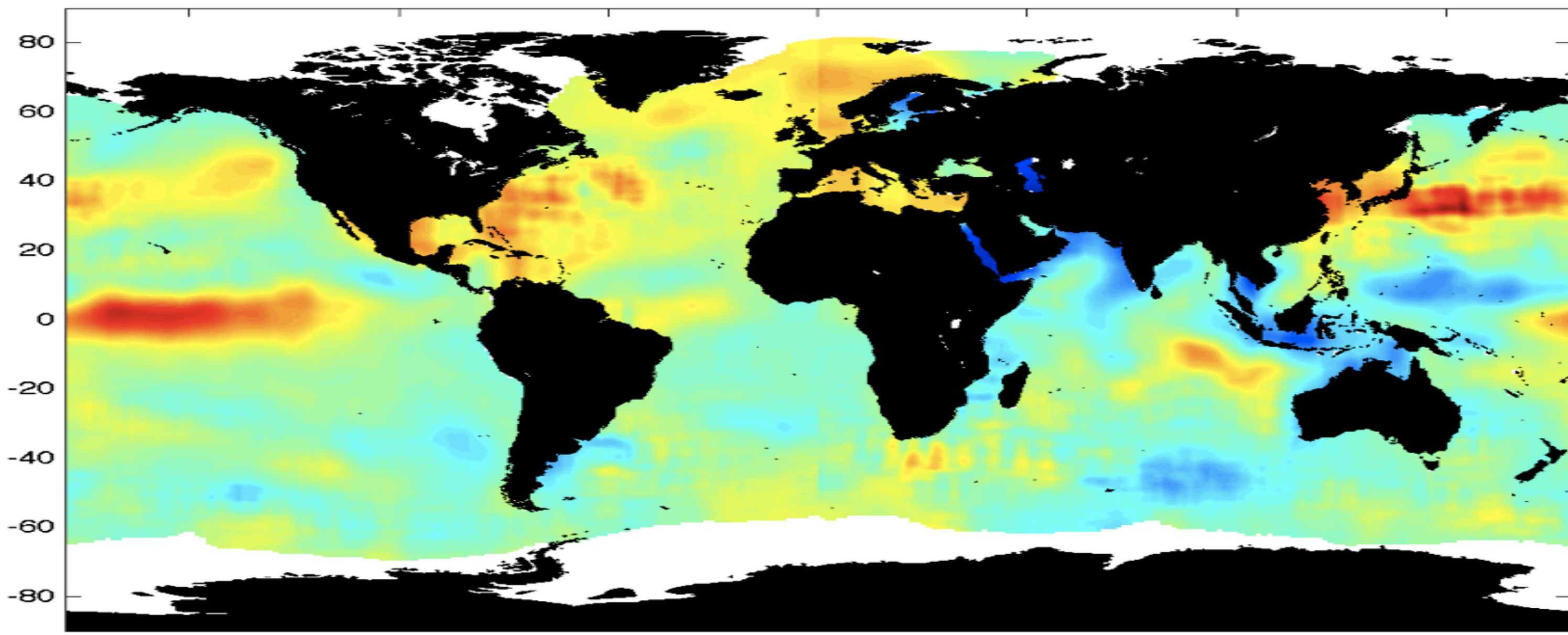
This product was developed by the Orbiter and Radio Metric Systems group at JPL. It is very similar to the OSTM OGDR SSHA product, except for the addition of a GPS derived orbit and SSHA based from that orbit. The GPS derived orbit has an accuracy of less than 1.5 cm RMS, and is available after a 4 hour time lag or less.



GPS based SSHA - DORIS based SSHA from cycle 34

Level 3, Gridded SSHA

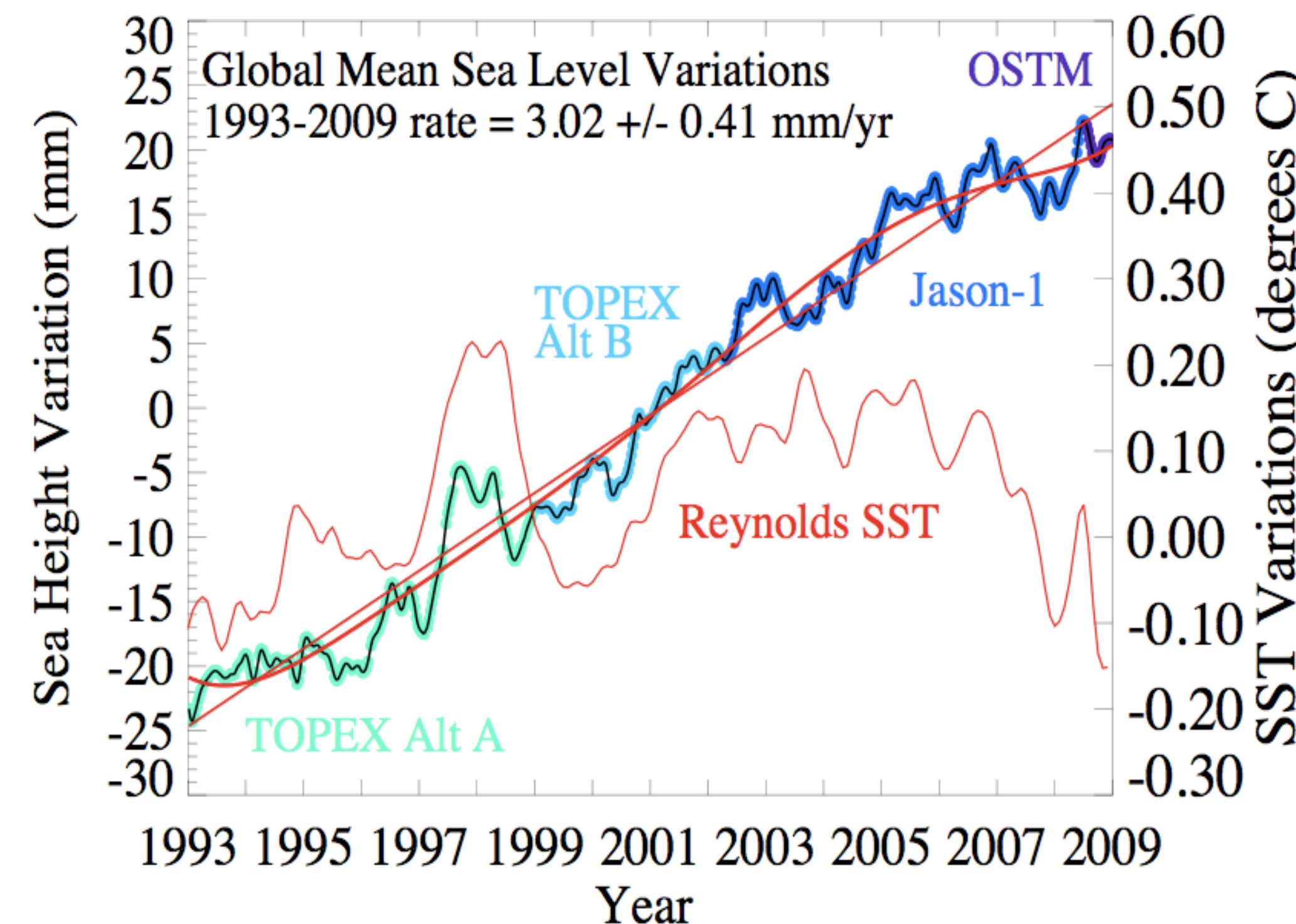
A level 3 gridded SSHA product will be available this fall, based from the Climate Data Record product. It will have a half degree resolution.



SSHA gridded on a half degree resolution. Courtesy of Bob Leben and David Joy

Climate Data Record

PO.DAAC will begin distribution of an altimetric Climate Data Record the end of this summer. It will contain data from TOPEX/Poseidon, Jason-1 and OSTM, all with the same orbit and geophysical corrections on an along-track grid.



Mean sea levels are "seamless" between all 4 altimeters. Courtesy of Brian Beckley

TOPEX/Poseidon Retracked GDR

With the Jason-1 GDR reprocessing and the arrival of OSTM the TOPEX/Poseidon orbits have been retracked to produce the RGDRs, so that T/P orbits will be similar to Jason-1 and OSTM. If you need access to this product please see me or Phil Callahan.

New Services

Web Based Altimetry Service

The Web Based Altimetry Service will provide a place for scientists and researchers to submit their orbits, geophysical corrections or other GDR parameters, specific for global or regional applications, to a central location. Users can then access those new parameters and decide which ones they want applied to the data before download.

Example page of web based altimeter service. Courtesy of Phil Callahan and Kenneth Oslund

Level 2 Subsetter

The L2 subsetter will take swath data and subset it temporally and spatially. The subsetter tool also doubles as a data viewer.

Web Services (<http://podaac.jpl.nasa.gov>)

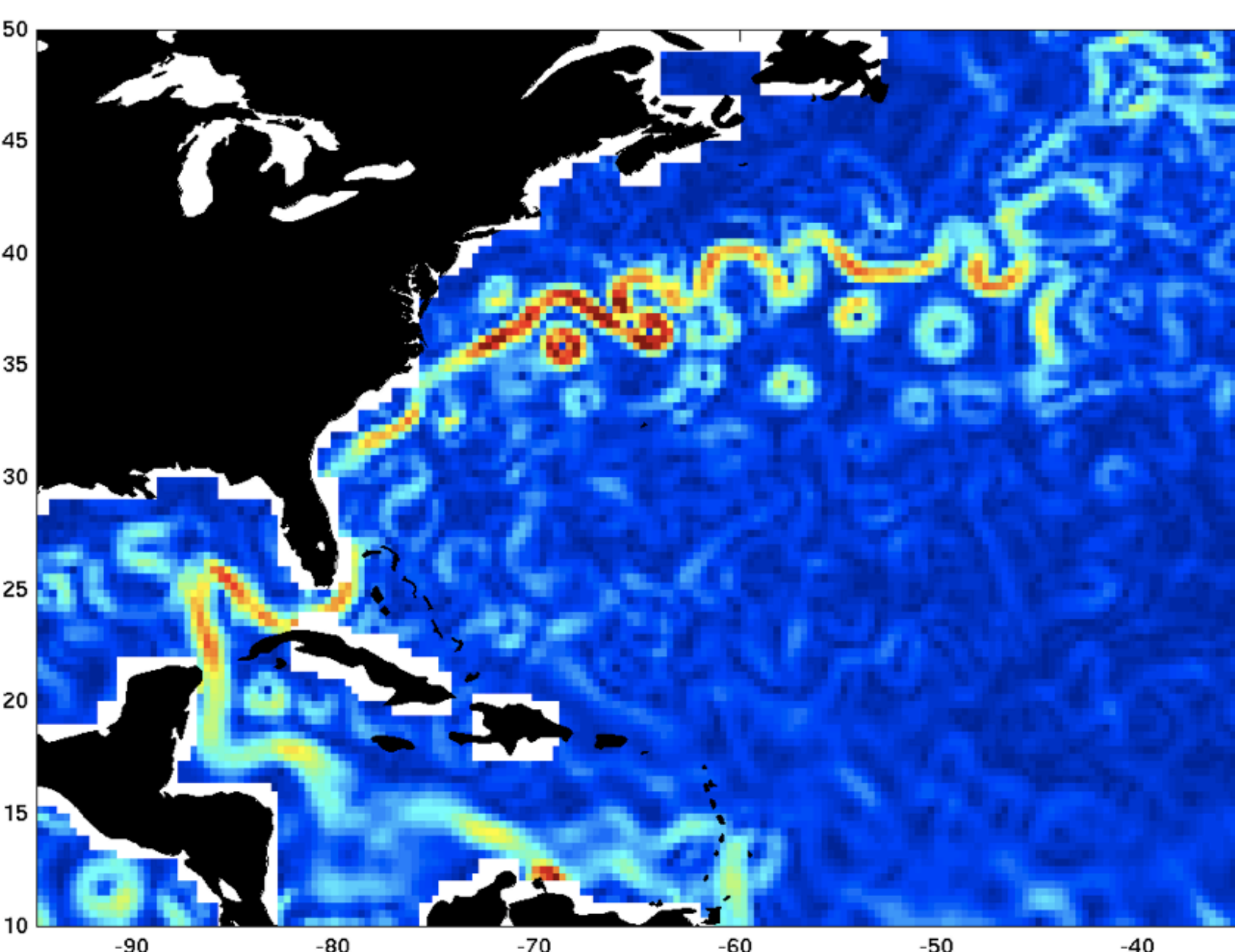
PO.DAAC will be providing a new users' forum, redesigned web page and data casting. The users forum allows users or the science community to support each other by asking and/or answering questions and keep up to date about the latest happenings at PO.DAAC or any of the supported missions. Data casting is currently available, but soon you will be able to be notified the KML data version is available.

Acknowledgments

Thanks to Monika Kessler and Charles Thompson and all those who contributed material for this poster.

OSCAR Third Degree Resolution

(http://podaac.jpl.nasa.gov/pub/ocean_currents/OSCAR/preview/oscar_third_deg/)



The new third degree Ocean Surface Current Analysis (OSCAR) is now available from PO.DAAC and ESR. This product has a higher resolution, as supposed to the one degree resolution in the older product. Because of the higher resolution it extends closest to the coast. It also uses a different equatorial algorithm within $\pm 5^\circ$ of the Equator.

OSCAR current speed from February 2008

