

NASA Program Status

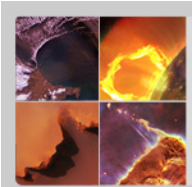
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NASA HQ, Washington, DC

Presentation to the Aquarius Science Team Meeting

November 11, 2014

Earth Science Division Operating Missions



Aquarius

OSTM/Jason 2 (NOAA)

Jason

QuikSCAT*

TRMM

EO-1

Landsat-7 (USGS)

Aqua

ACRIMSAT

Terra

SORCE

GRACE (2)

Aura

CALIPSO

CloudSat

NPP

NASA Earth Science Planned Missions (2014-2023)



NASA Physical Oceanography Program

Support missions on orbit: Jason-2 (Altimetry), QuikSCAT (Winds), Aquarius (Sea Surface Salinity), RapidSCAT (Winds)

Support missions in development: Jason-3 (Altimetry; 2015), Surface Water and Ocean Topography (SWOT; 2020),

Support Climate Focus Area/Ocean Observing: A world of many acronyms! US CLIVAR, USGCRP, GOOS, GCOS, OOPC, GODAE OceanView,, NOAA COSC, IOOC, CEOS,



Co-Chair
Global
Ocean
Observing
System



Funding for NASA PO – ROSES

- Ocean Salinity Science Team (January 2014)
- Sea Level Change (May 2014)
- Terra and Aqua (May 2014)
- Physical Oceanography R&A (selection now)
- SPURS-2 (selection now)

ROSES 2015

- SWOT Science Team (May 2015)
- Physical Oceanography R&A (June 2015)

- Next Ocean Salinity Science Team (ROSES 16)



Total standing stock of ~160 projects. On average review ~250 proposals/year, selecting ~50.

Outlook (1 of 2)

Sequestration cuts in March 2013 were about 8% for Physical Oceanography Program. This is being absorbed by re-phasing of funding.

Government shutdown in October 2014 had numerous impacts. Delayed some ROSES announcements as we recover lost panels. Budget cut of ~2%.

Now under continuing resolution until mid-December 2014. 2.5% cut to core research programs.

Budget stress/drought likely to continue for foreseeable future. Major impacts to PO Program **have** included;

- delay of SPURS 2
- delayed building of SST Science Team
- more “incremental funding”
- more pressure on PI for cost and billing control



Outlook (2 of 2)

Preparation for the Senior Review will be a major activity of 1st Quarter 2015. (Special item for discussion this week).

SPURS-2 will be centered near 10N, 125W in the Eastern Tropical Pacific. Field work mid-2016 through mid-2017. (More on this tomorrow afternoon).



Next Science Teams 2015

- Sea Surface Temperature [Dec 3-5, Annapolis, MD]
- SWOT Science Definition Team [Jan 14-16, San Diego, CA]
- Ocean Vector Winds [May 19-21, Portland, OR]
- Atlantic MOC [July 21-24, Bristol, UK]
- Ocean Salinity (SPURS-2) [Feb-Mar, USA TBD]
- Ocean Surface Topography [Oct 15, Annapolis, MD]

Foreign travel to conferences is now strictly limited. Most science teams fit the definition of “operational meetings” but also meet criteria for definition as a “conference” and may be treated as such.



Other items of note

- Fall AGU (SF, 15-19 Dec 2014) – Salinity and Water Cycle Session on Thursday of AGU.
- Oceanography Special Issue on SPURS (15 Papers) due for publication March 2015
- SPURS-2 Planning Meeting (TBD, Feb-Mar 2015) – Planning for field campaign in eastern tropical Pacific Ocean.





Thank you



GLOBAL OCEAN OBSERVING SYSTEM

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The oceans are the basis of the life support system. GOOS measures ocean weather and provides an opportunity for the human system to respond.

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