Ocean Surface Topography Science Team Meeting

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22 June 2009
• Status of the Team/Selection Schedule
• Reporting Schedule
• What is on the Horizon
• Next Science Team Meeting
• NASA Program Scientist Duties
OSTST Selection Status

• 26 US PI Selected Investigations Starting 1 October 2008 for 4 years

• Retained some flexibility to add some studies to support development of high-resolution altimetry. Opportunity solicited in ROSES09 – Physical Oceanography Program (Proposals due 6/30)

• Extension of old OSTST contracts through March 2009. Reports received and files closed.
OSTST Selection Status


• Continuing need for high level summaries of your results (.ppt) for monthly reports at HQ.

• Next proposals due ~end March 2012 for funding October 1, 2012.

• Announcement would likely appear in ROSES 2011 (Issued February 2011, 13 months ahead of proposal deadline.)
Key recommendations from OSTST

• Cal/Val and on-orbit performance of Jason-2
• Readiness of Jason-2 GDR
On the Horizon

• Jason-3
  – Draft 4-party MOU crafted. NASA continues support for science team.
  – Draft NOAA-NASA MOU for provision of instruments and launch.

• Surface Water and Ocean Topography (SWOT)
  – Initial Science Requirements Document completed
  – Technology and Design Studies continue (~$2M/yr+)
  – MCR Spring 2010?
  – Budget wedge for Decadal Survey Tier-2 Missions TBD
Next Science Team Meeting

• Considering: Site in the Mediterranean?
• Venue: A lovely place
• Dates: October/November 2010
Developments at NASA Headquarters

• Regular duties as Physical Oceanography Program Scientist and Mission Program Scientist for Jason-1, Jason-2, QuikSCAT, Aquarius/SAC-D, DFS on GCOM-W2, Jason-3, and SWOT.

• Climate Focus Area Lead

• Chair of the international Ocean Observations Panel for Climate
Dr. Eric Lindstrom
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National Aeronautics
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Surface Water and Ocean Topography

The SWOT spacecraft, shown here in an artist’s conception, will make accurate measurements of mesoscale ocean features and surface water parameters.

NASA/CNES Partnership

2016 Era

Joining the Physical Oceanography And Surface Water Hydrology Communities
Global Mean Sea Level Rise
Average Rate = 3.5 mm per year

Thermal Expansion  1.4
Mountain Glaciers     0.9
Greenland Ice Melt    0.5
Antarctic Ice Melt    0.4
Land water storage    -0.6

[IPCC FAR Fig. 5.14]