
2020 Ocean Surface Topography Science Team Meeting

Virtual meeting

Monday, October 19 2020 - Friday, October 23 2020

Due to covid-19 restrictions, for the first time, the OSTST meeting held as virtual.

All splinters have been organized as forums (one per splinter) and active all week long (19-23 October 2020) so that participants have been able to interact regardless of their time zone.

In addition to usual splinters, this year marks the end of the previous science team and the beginning of a new one, we have so set-up a special splinter: "Salient results from the 2017-2020 OSTST PIs". The list of PIs involved can be found at:

<https://sealevel.jpl.nasa.gov/science/ostscienceteam/scientistlinks/scientificinvestigations2017/>

PIs have summarized their work during the past 4 years in few slides or pages.

The opening (Monday 19) and closing (Friday 23) sessions have been live and organized through Webex.

This year is also marked by the upcoming launch of Sentinel-6 Michael Freilich planned on November 10th:

http://www.esa.int/Applications/Observing_the_Earth/Copernicus/Sentinel-6

Event's program

List of event's sessions

Monday, October 19 2020

15:00 - 18:00 UTC

OSTST Opening Plenary Session: WebEx (connection's information has been distributed by e-mail)

Monday, October 19 2020 to Friday, October 23 2020

Splinter's sessions through forum web pages: <https://meetings.aviso.altimetry.fr/>

Application development for Operations

CFOSAT

Coastal Altimetry

Instrument Processing: Measurement and Retracking

Instrument Processing: Propagation, Wind Speed and Sea State Bias

Outreach, Education and Altimetric Data Services

Precision Orbit Determination

Quantifying Errors and Uncertainties in Altimetry data

Regional and Global CAL/VAL for Assembling a Climate Data Record

Salient results from the 2017-2020 OSTST PIs

Science I: Climate data records for understanding the causes of global and regional sea level variability and change

Science II: Large Scale Ocean Circulation Variability and Change

Science III: Mesoscale and sub-mesoscale oceanography

Science IV: Altimetry for Cryosphere and Hydrology

The Geoid, Mean Sea Surfaces and Mean Dynamic Topography

Tides, internal tides and high-frequency processes

Friday, October 23 2019

15:00 - 18:00 UTC

OSTST Closing Plenary Session: WebEx (connection's information has been distributed by e-mail)

Monday, October 21 2019

OSTST Opening Plenary Session (Live)

Session chairs: Pascal Bonnefond, Craig Donlon, Eric Leuliette, Remko Scharroo, Josh Willis
(Mon, Oct 19 2019, 15:00 – 18:00 UTC)

Time (CEST)	Time (UTC)	Time (EDT)	Time (PDT)
17:00 (+2)	15:00	11:00 (-4)	08:00 (-7)

Webex

01 | 15:00 - 15:05 (UTC):

[Welcoming remarks and meeting overview](#)

Pascal Bonnefond (for CNES, France)

02 | 15:05 - 15:30 (UTC):

[NASA/CNES/EUMETSAT/NOAA/ESA program status](#)

Nadya Vinogradova-Shiffer (NASA), Annick Sylvestre-Baron (CNES), Manfred Lugert (EUMETSAT), Chris Sisko (NOAA) and Jérôme Benveniste (ESA)

03 | 15:30 - 15:45 (UTC):

[Jason-3 mission overview](#)

Christophe Maréchal (CNES, France)

04 | 15:45 - 16:00 (UTC):

[SARAL/AltiKa mission overview](#)

Nadège Queruel (CNES, France)

05 | 16:00 - 16:15 (UTC):

[Sentinel-3 mission overview](#)

Craig Donlon (ESA/ESTEC, Netherlands) presented by Estelle Obligis (EUMETSAT, Germany) and Pierre Femenias (ESA/ESRIN)

06 | 16:15 - 16:30 (UTC):

[CFOSAT mission status](#)

Jean-Michel Lachiver (CNES, France)

16:30 - 16:45 (UTC): Break (your preferred coffee, tea or any drink)

07 | 16:45 - 17:15 (UTC):

[Sentinel-6/Jason-CS news and developments](#)

Pierrick Vuilleumier (ESA/ESTEC, Netherlands), Manfred Lugert (EUMETSAT, Germany), Chris Sisko (NOAA, United States), Gilles Tavernier (CNES, France), Parag Vaze (NASA/JPL, United States)

08 | 17:15 - 17:30 (UTC):

[SWOT status](#)

Lee-Lueng Fu (JPL, United States), Rosemary Morrow (LEGOS, France)

09 | 17:30 - 17:45 (UTC):

[Topics to be discussed in the splinters \(including the Jason-3 EoL scenario\)](#)

Eric Leuliette (NOAA, United States)

10 | 17:45 - 18:00 (UTC):

[Discussion](#)

Monday, October 19 2020 to Friday, October 23 2020

Splinter's sessions through forum web pages: <https://meetings.aviso.altimetry.fr/>

Application development for Operations

Session chairs: Deirdre Byrne, Gerald Dibarboure, Gregg Jacobs, Carolina Nogueira Loddo

CFOSAT

Session chairs: Lotfi Aouf, Danièle Hauser, Doug Vandemark

Coastal Altimetry

Session chairs: Mathilde Cancet and Ted Strub (Florence Birol and Marcello Passaro helped shape the session)

Instrument Processing: Measurement and Retracking

Session chairs: Francois Boy, Phil Callahan, Robert Cullen, Jean-Damien Desjonquieres, Alejandro Egido, Marco Fornari, Cristina Martin-Puig, Walter H.F. Smith

Instrument Processing: Propagation, Wind Speed and Sea State Bias

Session chairs: Shannon Brown, Estelle Obligis

Outreach, Education and Altimetric Data Services

Session chairs: Jessica Hausman, Vinca Rosmorduc, Margaret Srinivasan

Precision Orbit Determination

Session chairs: Sean Bruinsma, Alexandre Couhert, Frank Lemoine

Quantifying Errors and Uncertainties in Altimetry data

Session chairs: Michael Ablain, Joel Dorandeu, Remko Scharroo

Regional and Global CAL/VAL for Assembling a Climate Data Record

Session chairs: Pascal Bonnefond, Shailen Desai, Luisella Giulicchi, Bruce Haines, Eric Leuliette, Nicolas Picot

Salient results from the 2017-2020 OSTST PIs

Session chairs: Pascal Bonnefond, Craig Donlon, Eric Leuliette, Remko Scharroo, Josh Willis

Science I: Climate data records for understanding the causes of global and regional sea level variability and change

Session chairs: Benjamin Hamlington, Benoit Meyssignac

Science II: Large Scale Ocean Circulation Variability and Change

Session chairs: Thierry Penduff, LuAnne Thompson

Science III: Mesoscale and sub-mesoscale oceanography

Session chairs: Clément Ubelmann and Jinbo Wang (Lee-Lueng Fu and Rosemary Morrow helped shape the session)

Science IV: Altimetry for Cryosphere and Hydrology

Session chairs: Jérôme Bouffard, Sinead Farrell and Karina Nielsen (Charon Birkett and Jean-Francois Crétaux helped shape the session)

The Geoid, Mean Sea Surfaces and Mean Dynamic Topography

Session chairs: Ole B. Andersen, Yannice Faugere

Tides, internal tides and high-frequency processes

Session chairs: Loren Carrere, Florent Lyard, Richard Ray

Friday, October 23 2020

OSTST Closing Plenary Session (Live)

Session chairs: Pascal Bonnefond, Craig Donlon, Eric Leuliette, Remko Scharroo, Josh Willis
(Fri, Oct 23 2019, 15:00 – 18:00 UTC)

Time (CEST)	Time (UTC)	Time (EDT)	Time (PDT)
17:00 (+2)	15:00	11:00 (-4)	08:00 (-7)

Webex

15:00 - 16:20 (UTC): [Keynotes](#)

Science I: Climate data records for understanding the causes of global and regional sea level variability and change

01 | 15:00 - 15:20 (UTC):

[Sea Level change from global to local: role of observations](#)

Anny Cazenave (LEGOS-CNES, France)

Science II: Large Scale Ocean Circulation Variability and Change

02 | 15:20 - 15:40 (UTC):

[Provinces of Air-sea Interaction](#)

LuAnne Thompson (University of Washington, United States) et al.

Science III: Mesoscale and sub-mesoscale oceanography

03 | 15:40 - 16:00 (UTC):

[Balanced Upper Ocean Variability in the 15-150km Wavelength Range](#)

Bo Qiu (University of Hawaii, United States) et al.

Science IV: Altimetry for Cryosphere and Hydrology

04 | 16:00 - 16:20 (UTC):

[Water Level Monitoring Over Continental Areas From Fully Focused SAR Altimeter Processing](#)

Maxime Vayre (CLS, France) et al.

16:20 - 16:35 (UTC): Break (your preferred coffee, tea or any drink)

05 | 16:35 - 16:45 (UTC):

[Reprocessing status and plans](#)

François Bignalet-Cazalet (CNES, France), Nicolas Picot (CNES, France), Shailen Desai (JPL, USA), Cristina Martin-Puig (EUMETSAT, Germany), Alejandro Egido (NOAA, USA)

06 | 16:45 – 18:00 (UTC):

[Discussion and recommendations](#)