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# 2020 Ocean Surface Topography Science Team Meeting

## *Virtual meeting*

**Monday, October 19 2020 - Friday, October 23 2020**

For the OSTST virtual meeting, all splinters will be organized as forums (one per splinter). However, there will not be classical "oral" or "poster presentations this year. Instead all presentations will be uploaded and made available to meeting registrants (people having an account on <https://meetings.avisio.altimetry.fr>), who will be able to post questions throughout the week. Authors and meeting participants will be asked to interact by reading and responding to these questions during the week. All presentations will need to be provided in pdf format, but without any prerequisite template. Since there will not be oral presentations, you will need to assemble your presentation so that it is sufficiently commentated to be understandable to all readers. You can for example use PowerPoint with comments and export it to pdf. All presentations will be automatically accepted and posted through your personal account on this website.

In addition, because this year marks the end of the previous science team and the beginning of a new one, we will 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/>

We ask those PIs to summarize their work during the past 4 years in few slides or pages.

The opening (Monday 19) and closing (Friday 23) sessions will be live and organized through WebEx.

## Event's program

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## 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)

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**Monday, October 21 2019**

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## 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: A new satellite for the observation of wind and waves](#)

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](#)

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Monday, October 19 2020 to Friday, October 23 2020

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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

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**Friday, October 23 2020**

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## 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

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):**

[Keynote SC4 \(TBD\)](#)

**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](#)