
# 2026 Ocean Surface Topography Science Team Meeting

## Sunday, June 21 2026 - Friday, June 26 2026

The meeting will take place at the RheinMain CongressCenter (Friedrich-Ebert-Allee, 65189 Wiesbaden), a state-of-the-art conference venue located in Wiesbaden, Germany. For logistical information (registration, venue, …) please visit: https://www.eventsforce.net/oststt2026

The yearly Ocean Surface Topography Science Team meeting includes plenary sessions, the splinter working sessions, and poster sessions.

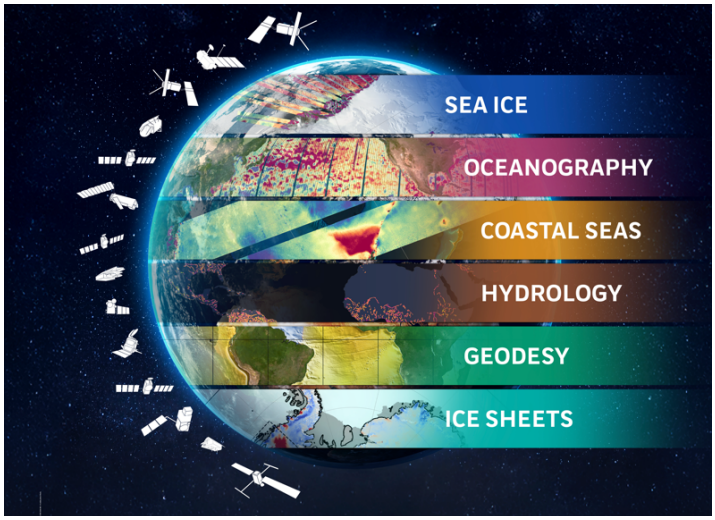
Once again in 2026, satellite altimetry experts from around the world will gather to discuss the performance of current satellite altimetry constellations as well as the use and information-sharing about all present, past, and future altimeter missions.

The meeting will cover the main applications of satellite altimetry related to open oceans, coastal areas, polar regions, cryosphere, and inland waters.

The meeting is open to international experts and global users of satellite altimeter data from all missions (Jason-3, Sentinel-3, Sentinel-6, CryoSat-2, SARAL/AltiKa, SWOT, HY-2, etc.) and those working on future altimetry missions.

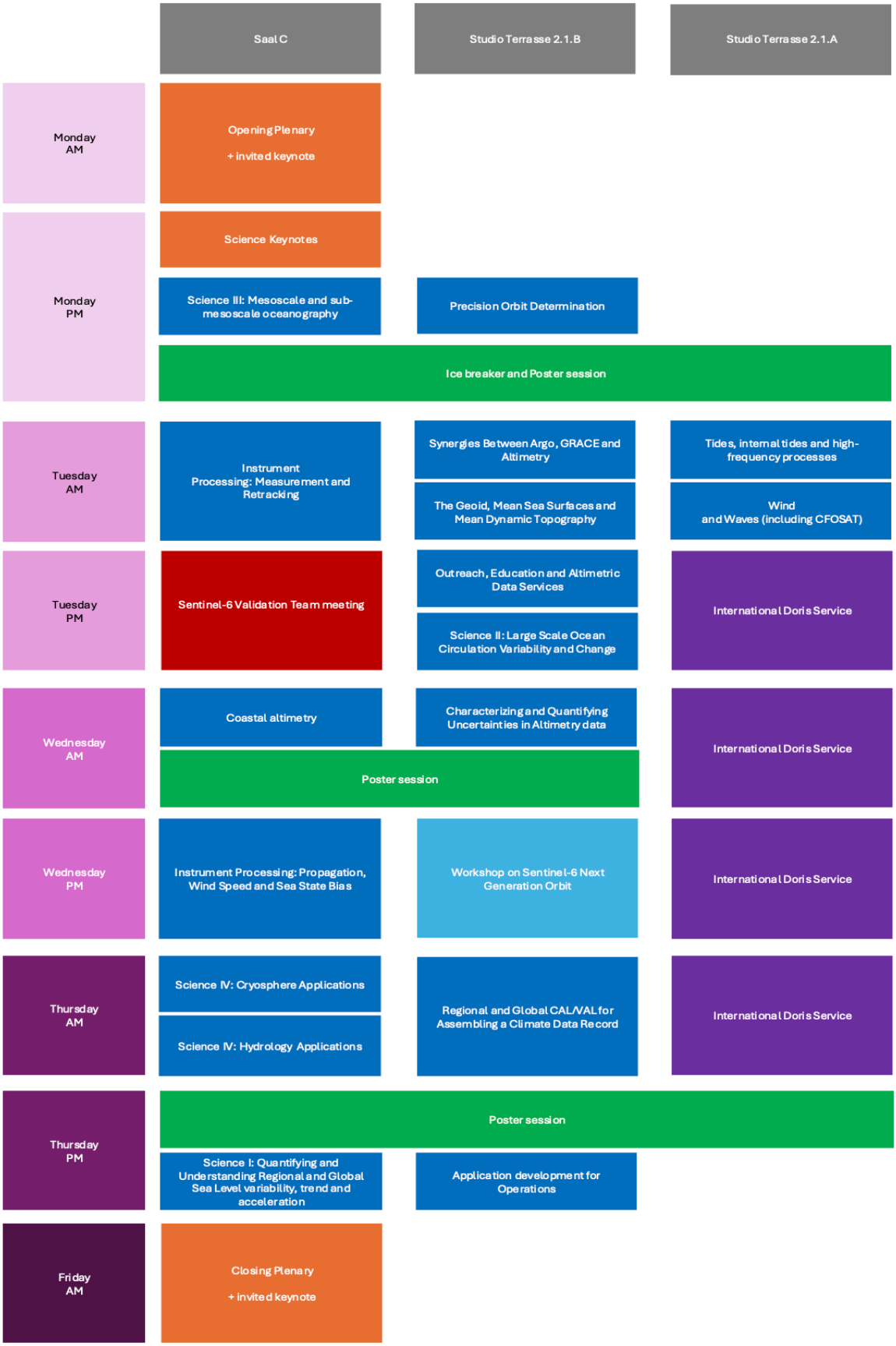
In addition, since the successful launch of the Copernicus Sentinel-6B satellite in November 2025, this OSTST meeting will place a strong focus on the commissioning status and activities of this mission with a dedicated Sentinel-6 Validation Team meeting, where teams will report on the findings from the satellite's commissioning. And once again, this OSTST edition will be combined with a meeting of the International DORIS Service.

## Event's program



# PROGRAM OVERVIEW

(IDS and S6VT detailed programs are issued separately)



# List of event's sessions

## Sunday, June 21 2026

17:00 – 19:00
Registration

## Monday, June 22 2026

08:30 - 12:30
OSTST Opening Plenary Session
Saal C

14:00 - 15:45
Science Keynotes Session
Saal C

16:15 - 18:00
Science III: Mesoscale and sub-mesoscale oceanography
Saal C

16:15 - 18:00
Precision Orbit Determination
Studio Terrasse 2.1.B

18:00 - 19:30
Poster Session part I
Terrassensaal A+B

## Tuesday, June 23 2026

09:00 - 10:30
Tides, internal tides and high-frequency processes
Studio Terrasse 2.1.A

09:00 - 10:30
Synergies between Argo, GRACE and Altimetry
Studio Terrasse 2.1.B

09:00 - 12:30
Instrument Processing: Measurement and Retracking
Saal C

11:00 - 12:30
The Geoid, Mean Sea Surfaces and Mean Dynamic Topography
Studio Terrasse 2.1.B

11:00 - 12:30
Wind and Waves (including CFOSAT)
Studio Terrasse 2.1.A

12:30 - 12:45
(Very) young scientists session
Saal C

14:00 - 15:45
Outreach, Education and Altimetric Data Services
Studio Terrasse 2.1.B

16:15 - 18:00
Science II: Large Scale Ocean Circulation Variability and Change
Studio Terrasse 2.1.B

## Wednesday, June 24 2026

09:00 - 10:30
Characterizing and Quantifying Uncertainties in Altimetry data
Studio Terrasse 2.1.B

09:00 - 10:30
Coastal Altimetry
Saal C

11:00 - 12:30
Poster Session part II
Terrassensaal A+B

14:00 - 18:00
Workshop on the Sentinel-6 Next Generation's orbit
Studio Terrasse 2.1.B

14:00 - 18:00
Instrument Processing: Propagation, Wind Speed and Sea State Bias
Saal C

## Thursday, June 25 2026

09:00 - 12:30
Science IV: Altimetry for Cryosphere and Hydrological Studies
Saal C

09:00 - 12:30
Regional and Global CAL/VAL for Assembling a Climate Data Record
Studio Terrasse 2.1.B

14:00 - 15:45
Poster Session part III
Terrassensaal A+B

16:15 - 18:00
Science I: Quantifying and Understanding Regional and Global Sea Level variability, trend and acceleration
Saal C

16:15 - 18:00
Application development for Operations
Studio Terrasse 2.1.B

## Friday, June 26 2026

09:00 - 12:30
OSTST Closing Plenary Session
Saal C

# Oral sessions

## Monday, June 22 2026

**08:00 - 08:30: Registration, Presentation upload**

## OSTST Opening Plenary Session

**Session chairs:** Pascal Bonnefond, Alejandro Egido, Severine Fournier, Eric Leuliette, Remko Scharroo, Josh Willis
(Mon, Jun 22 2026, 08:30 - 12:30)

**Saal C**

**08:30 - 08:40:**
OSTST Meeting opening, welcome, logistics
Paul Counet (EUMETSAT, Germany), Remko Scharroo (EUMETSAT, Germany)

**08:40 - 09:00:**
NASA/CNES/NOAA/EUMETSAT/ESA program status
Yannice Faugere (CNES, France), Estelle Obligis (EUMETSAT , Germany), Nadya Vinogradova Shiffer (NASA , USA), Jerome Bouffard (ESA, Italy), Eric Leuliette (NOAA , USA), Ellen Ramirez (NOAA , USA)

**09:00 - 09:10:**
SARAL/Altika mission overview
Said Haouchine (CNES, France)

**09:10 - 09:20:**
Jason-3 Status
Chiara Russano (CNES, France), Said Haouchine (CNES, France)

**09:20 - 09:30:**
CFOSAT mission status and outcomes
Cédric Tourain (CNES, France), Déborah Hazan (CNES, France), Lotfi Aouf (Meteo-France, France), Danièle Hauser (LATMOS, France)

**09:30 - 09:45:**
Mission status and oceanographic results from SWOT
Christophe Marechal (CNES, France), Parag VAZE (JPL, US)

**09:45 - 10:00:**
Copernicus Sentinel-3 mission overview
Bruno Lucas (EUMETSAT, Germany), Alessandro Di Bella (ESA/ESRIN, Italy)

**10:00 - 10:15:**
Sentinel-6 Mission Overview
Remko Scharroo (EUMETSAT, Germany), Alejandro Egido (ESA/ESTEC, Netherland), Eric Leuliette (NOAA, USA), Josh Willis (JPL, United States), Severine Fournier (NASA/JPL, USA), Pascal Bonnefond (Observatoire de Paris - LTE, France)

**10:15 - 10:30:**
The EUMETSAT Altimetry Programme and associated missions
Fany Ares (EUMETSAT, Germany), Julia Figa (EUMETSAT, Germany), Remko Scharroo (EUMETSAT, Germany), Estelle Obligis (EUMETSAT, Germany), Lieven Bydekerke (EUMETSAT, Germany)

**10:30 - 11:00: Coffee break**

**11:00 - 11:15:**
Overview of the Copernicus altimetry constellation for the 20 coming years
Alessandra Cacciari (European Commission, Belgium)

**11:15 - 11:30:**

CRISTAL Mission Status

Paolo Cipollini (ESA-ESTEC, Netherlands), Jerome Bouffard (ESA-ESRIN, Italy), Salvatore Dinardo (EUMETSAT, Germany), Kristof Gantois (ESA-ESTEC, Netherlands)

**11:30 - 11:45:**

The Sentinel-3 Next Generation Topography Copernicus Altimetry Mission – Mission Status

Alejandro Egido (European Space Agency, Netherlands), Vuilleumier Pierrik (European Space Agency, Netherlands)

**11:45 - 12:00:**

The Sentinel-6 Next Generation Copernicus Altimetry Mission – Mission Status

Alejandro Egido (European Space Agency, Netherlands), Robert Cullen (European Space Agency, Netherlands)

**12:00 - 12:20:**

Keynote on Arctic

*The necessary details will be made available in the near future.*

**12:20 - 12:30:**

Key points to be discussed during the meeting

Eric Leuliette (NOAA, United States), Pascal Bonnefond (Observatoire de Paris - LTE, France), Alejandro Egido (ESA/ESTEC, Netherland), Severine Fournier (NASA/JPL, USA), Remko Scharroo (EUMETSAT, Germany), Josh Willis (JPL, United States)

**12:30 - 14:00: Lunch**

## Science Keynotes Session

**Session chairs:** Pascal Bonnefond, Alejandro Egido, Severine Fournier, Eric Leuliette, Remko Scharroo, Josh Willis
(Mon, Jun 22 2026, 14:00 - 15:45)

**Saal C**

**14:00 - 14:05:**

Altimetry User Support & Training: Needs and Priorities

Chairs of the Outreach, Education and Altimetric Data Services splinter session

**14:05 - 14:30: Keynote/invited**

Global and regional sea level trend and acceleration budgets from combining altimetry GRACE and Argo observations within a joint inversion framework

Bernd Uebbing (University of Bonn, Germany), Johanna Hillebrand (University of Düsseldorf, Germany), Melanie Schmidt (University of Düsseldorf, Germany), Christian Sohler (University of Cologne, Germany), Jürgen Kusche (University of Bonn, Germany)

**14:30 - 14:55: Keynote/invited**

Impacts of the Madden-Julian Oscillation on Marine Heatwaves and Compounding Sea Level Extremes over Global Oceans

Weiqing Han (The University of Colorado, United States), Dasenahalli Lingaraju Suhas (The University of Colorado, United States)

**14:55 - 15:20: Keynote/invited**

The opportunities and challenges of SWOT in advancing the study of the oceanic submesoscale processes

Lee-Lueng Fu (Jet Propulsion Laboratory, United States)

**15:20 - 15:45: Keynote/invited**

Lake Ice Thickness from Radar Altimetry: new multi-mission data, perspectives for Cristal and toward Sea Ice

Anna Mangilli (CLS, France), Kassem Asfour (CLS, France), Claude Duguay (University of Waterloo and H2OGeomatics, Canada), Justin Murfitt (University of Waterloo and H2OGeomatics, Canada), Jaya Sree Mugunthan (University of Waterloo and H2OGeomatics, Canada), Thomas Moreau (CLS, France), Pierre Thibaut (CLS, France), Clement Albergel (ESA - ECSAT, United Kingdom), Craig Donlon (ESA - ESTEC,

The Netherlands), Alessandro DiBella (ESA - ESRIN, Italy), Scagliola Michele (ESA - ESRIN, Italy), Jerome Bouffard (ESA - ESRIN, Italy), Matthias Raynal (CNES, France)

**15:45 - 16:15: Coffee break**

## Science III: Mesoscale and sub-mesoscale oceanography

**Session chairs:** Heather Roman-Stork, Clément Ubelmann, Jinbo Wang
(Mon, Jun 22 2026, 16:15 - 18:00)

**Saal C**

**16:15 - 16:30:**
Spatiotemporal Machine Learning Representations of Satellite Altimeter Measurements
Martin Kolster (University of Colorado, United States), R. Steven Nerem (University of Colorado, United States), Levi Cai (University of Colorado, United States), Esther Rolf (University of Colorado, United States)

**16:30 - 16:45:**
Highly non-linear mesoscale eddies emerging from wide-swath altimetry
Antonio Bonaduce (NERSC, Norway), Andrea Cipollone (CMCC, Italy), Matteo Broccoli (CMCC, Italy), Roshin Raj (NERSC, Norway), Elisa Carli (ESA ESRIN, Italy)

**16:45 - 17:00:**
Diagnosing flow interactions from sea surface height and current observations
Saulo Soares (SIO UCSD, United States), Sarah Gille (SIO UCSD, United States), Teresa Chereskin (SIO UCSD, United States)

**17:00 - 17:15:**
Dominant patterns of interannual variability in the ocean eddy kinetic energy field
Oleg Melnichenko (Earth & Space Research, Seattle, WA , United States), Thierry Penduff (CNRS. IGE, Grenoble , France), Angel Amores (University of the Balearic Islands, Palma , Spain )

**17:15 - 17:30:**
GOFLOW:  An unprecedented view of ocean surface currents from geostationary satellites
Luc Lenain (Scripps Institution of Oceanography - UCSD, United States), Kaushik Srinivasan (UCLA, United States), Roy Barkan (TAU/UCLA, United States / Israel), Nick pizzo (URI, United States)

**17:30 - 17:45:**
Spatial correlation between sea surface height and temperature anomalies and its long-term trend
Minghai Huang (Texas A & M University, United States), Jinbo Wang (Texas A & M University , United States), Ping Chang (Texas A & M University , United States), Patrice Klein (California Institute of Technology , United States)

**17:45 - 18:00:**
Training neural mappings and short-term forecasts for global along-track altimetry data from simulations
Thi-Thuy-Nga Nguyen (IMT Atlantique, France), Paul De-nailly (IMT Atlantique, France), Daniel Zhu (IMT Atlantique, France), Daria Botvynko (IMT Atlantique, France), Cecile Anadon (CLS Group, France), Ronan Fablet (IMT Atlantique, France)

## Precision Orbit Determination

**Session chairs:** Alex Conrad, Alexandre Couhert, Carlos Fernández Martín, Frank Lemoine
(Mon, Jun 22 2026, 16:15 - 18:00)

**Studio Terrasse 2.1.B**

**16:15 - 16:30:**
CNES Altimetry Orbits with the Latest Standard GDRG
Suzanne Blondel (CNES, France), John Moyard (CNES, France), Sabine Houry (CNES, France), Flavien Mercier (CNES, France), Alexandre Couhert (CNES, France)

**16:30 - 16:45:**
Copernicus POD Service: status and challenges
Miguel Muñoz de la Torre (GMV, Spain), Carlos Fernández Martín (GMV, Spain), Heike Peter (Positim, Germany), Muriel Pinheiro (ESA ESRIN, Italy), Carolina Nogueira Loddo (EUMETSAT, Germany)

**16:45 - 17:00:**
First POD results for Sentinel-6B & Update on the std2400 orbits
Frank Lemoine (NASA GSFC, United States), Nikita Zelensky (University of Maryland/ESSIC, College Park, United States), Brian Beckley (ERT, United States), Hunter Yang (KBR Inc., United States)

**17:00 - 17:15:**
GPS-Based Precise Orbit Determination  of the Sentinel-6B Mission
Alex Conrad (NASA Jet Propulsion Laboratory, United States), Shailen Desai (NASA Jet Propulsion Laboratory, United States), Bruce Haines (NASA Jet Propulsion Laboratory, United States)

**17:15 - 17:30:**
DORIS/DIODE Real-Time orbit determination onboard Sentinel-6B
Jean-Pierre CHAUVEAU (CLS, France), François DIDELOT (CNES, FRANCE), Olivier DUMOND (CNES, FRANCE)

**17:30 - 17:45:**
Long-term evaluation of COST-G Fitted Signal Models (FSM) based on LEO POD
Heike Peter (PosiTim UG, Germany), Ulrich Meyer (Astronomical Institute, University of Bern, Switzerland), Adrian Jäggi (Astronomical Institute, University of Bern, Switzerland)

**17:45 - 18:00:**
Impact of different Earth's mean time-variable gravity field models, ITRS 2020 realizations and their updates on precise orbit determination of altimetry satellites
Sergei Rudenko (Karlsruhe Institute of Technology (KIT), Germany), Denise Dettmering (Deutsches Geodätisches Forschungsinstitut, Technical University of Munich (DGFI-TUM), Germany), Mathis Bloßfeld (Deutsches Geodätisches Forschungsinstitut, Technical University of Munich (DGFI-TUM), Germany), Julian Zeitlhöfler (Deutsches Geodätisches Forschungsinstitut, Technical University of Munich (DGFI-TUM), Germany)

## Poster Session part I

**Session chairs:** Pascal Bonnefond, Alejandro Egido, Severine Fournier, Eric Leuliette, Remko Scharroo, Josh Willis
(Mon, Jun 22 2026, 18:00 - 19:30)

**Terrassensaal A+B**

(see "Posters Sessions" section for posters' list)
**Posters format shall be A0 (84.1 cm x 118.9 cm) vertical size**

**18:00 - 19:30: Ice breaker**

## Tuesday, June 23 2026

**08:00 - 09:00: Registration, Presentation upload**

# Tides, internal tides and high-frequency processes

**Session chairs:** Loren Carrere, Florent Lyard, Richard Ray
(Tue, Jun 23 2026, 09:00 - 10:30)

**Studio Terrasse 2.1.A**

**09:00 - 09:15:**
Growth and decay of internal waves observed by SWOT at the Mascarene Plateau
Matthew Archer (JPL, United States), Lee-Lueng Fu (JPL, United States), Maarten Buijsman (USM, United States), Aurélien Ponte (IFREMER, Frane)

**09:15 - 09:30:**
Resolving Tidal Modulation of Antarctic Ice Shelves Using SWOT HR Altimetry
Rasmus Lørup Arildsen (Technical University of Denmark (DTU), Denmark), Ole B. Andersen (DTU Space, Denmark), Louise S. Sørensen (DTU Space, Denmark)

**09:30 - 09:45:**
Progress towards a general altimetry derived tidal process model
Thomas Monahan (University of Oxford, United Kingdom), Michael Hart-Davis (Deutsches Geodätisches Forschungsinstitut der Technischen Universität München (DGFI-TUM), Munich, Germany), Jeffrey Polton (National Oceanography Centre, United Kingdom), Stephen Roberts (University of Oxford, Department of Engineering Science, United Kingdom), Thomas Adcock (University of Oxford, Department of Engineering Science, United Kingdom)

**09:45 - 10:00:**
Preliminary results of the new global barotropic tide model FES2026
Loren Carrere (CLS, France), Florent Lyard (LEGOS/CNRS, France), Garance Marlier (CLS, France), Mei-Ling Dabat (CLS, France), Chafih Skandrani (NOVELTIS, France), Gérald Dibarboure (CNES, France)

**10:00 - 10:15:**
EOT26: global ocean tide model derived from multi-mission satellite altimetry
Michael Hart-Davis (DGFI-TUM, Germany), Denise Dettmering (DGFI-TUM, Germany), Christian Schwatke (DGFI-TUM, Germany), Marcello Passaro (DGFI-TUM, Germany), Maria Pisareva (DGFI-TUM, Germany), Felix Mueller (DGFI-TUM, Germany), Mathis Bloßfeld (DGFI-TUM, Germany), Florian Seitz (DGFI-TUM, Germany)

**10:15 - 10:30:**
What can a regional coupled tide-surge high-resolution simulation bring to satellite altimetry measurements?
Mathilde Cancet (CNRS LEGOS, France), Solo Gras--Nuzzo (CNRS LEGOS, France), Florent Lyard (CNRS LEGOS, France), Florence Birol (LEGOS University of Toulouse, France)

# Synergies between Argo, GRACE and Altimetry

**Session chairs:** William Llovel, Nathalie Zilberman
(Tue, Jun 23 2026, 09:00 - 10:30)

**Studio Terrasse 2.1.B**

**09:00 - 09:15:**
Session objectives and updates on Argo data access
Nathalie Zilberman (Scripps Institution of Oceanography, UCSD, United States)

**09:15 - 09:30:**
Sea-Level Budget Closure and Observation System Evaluation Using ECCO State Estimation
Ian Fenty (JPL, United States), Ichiro Fukumori (NASA JPL, USA), Ou Wang (NASA JPL, USA)

**09:30 - 09:45:**

Detecting Long-Term Deep-Ocean Steric Changes through Sea Level Budget Analysis Remains Challenging

Xinfeng Liang (University of Delaware, United States), Yang Zhang (Scripps Institution of Oceanography, United States), Don Chambers (University of South Florida, United States)

**09:45 - 10:00:**

Altimeter and profile observations working together

Gregg Jacobs (University of Southern Mississippi, United States), Max Yaremchuk (Naval Research Laboratory, United States), Hans Ngodock (Naval Research Laboratory, United States), Robert Helber (Naval Research Laboratory, United States), Vivian Montiforte (Naval Research Laboratory, United States), John Osborne (Naval Research Laboratory, United States), Clark Rowley (Naval Research Laboratory, United States), Matthew Carrier (Naval Research Laboratory, United States), Joseph D'Addezio (Naval Research Laboratory, United States), Charlie Barron (Naval Research Laboratory, United States)

**10:00 - 10:15:**

Complementarity of Argo and Altimetry assimilated in Mercator Ocean International's Global Forecasting System

Mounir Benkiran (Mercator Ocean International, France), Elisabeth Rémy (Mercator Ocean International, France), Pierre-Yves Le Traon (Mercator Ocean International, France)

**10:15 - 10:30:**

Ocean heat uptake estimate from a combination of Altimetry gravimetry and in-situ data allows to close the energy budget at the ±0.5W.m-2 level (2 sigma) on yearly time scale

Thomas Duvignacq (CNRS / LEGOS, France), Sébastien Fourest (CNES, France), Benoit Meyssignac (CNES / LEGOS, France), Valentin Oncle (ISAE SUPAERO, France), Sara Armaut (Magellium, France)

## Instrument Processing: Measurement and Retracking

**Session chairs:** Saoussen Belhadj Aissa, Salvatore Dinardo, Marco Fornari, Maraldi Claire
(Tue, Jun 23 2026, 09:00 - 12:30)

**Saal C**

**09:00 - 09:15:**

The best of both worlds: The many advantages of a 'partially-focused' SAR approach compared to both unfocused and fully-focused processing over ocean

Frithjof Ehlers (CLS, France), Laetitia Rodet (CLS, France), Thomas Moreau (CLS, France), Claire Maraldi (CNES, France)

**09:15 - 09:30:**

Optimal Retracking Solutions for Enhanced Ocean Altimetry

Anna Mangilli (CLS, France), Thomas Moreau (CLS, France), Claire Maraldi (CNES, France), Marta Alves (CLS, France), Oriane Gassot (CLS, France), Alejandro Egido (ESA - ESTEC, The Netherlands), Laiba Amarouche (CLS, France), Fanny Piras (CLS, France), Pierre Thibaut (CLS, France), Lionel Zawadzki (CNES, France), Francois Boy (CNES, France), Nicolas Picot (CNES, France ), Franck Borde (ESA - ESTEC, The Netherlands)

**09:30 - 09:45:**

A wave-effect mitigation SAR processing applied to Sentinel-6A

Marta Alves (CLS, France), Laetitia Rodet (CLS, France), Frithjof Ehlers (CLS, France), Oriane Gassot (CLS, France), Anna Mangilli (CLS, France), Jérémy Aublanc (CLS, France), Thomas Moreau (CLS, France), Claire Maraldi (CNES, France), Lionel Zawadzki (CNES, France)

**09:45 - 10:00:**

Slope correction for ocean SAR altimetry

Juliette Gamot (Collecte Localisation Satellite, France), Philippe Schaeffer (Collecte Localisation Satellite (CLS), France), Marie-Isabelle Pujol (Collecte Localisation Satellite (CLS), France), François Bignalet-Cazalet (CNES, France), Thomas Moreau (Collecte Localisation Satellite (CLS), France), Emeline Cadier (Collecte Localisation Satellite (CLS), France)

**10:00 - 10:15:**

A model for the wave-induced small scale variability in SAR altimetry waveforms

Frithjof Ehlers (CLS, France), Thomas Moreau (CLS, France), Laetitia Rodet (CLS, France), Claire Maraldi (CNES, France)

**10:15 - 10:30:**

Intercomparison of Supervised Machine Learning Algorithm Performances in SAR Altimetry Waveform Classification

Pittayuth Yoosiri (AOSC/UMD, United States), Christopher K. Buchhaupt (CISESS/ESSIC/UMD, United States)

**10:30 - 11:00: Coffee break**

**11:00 - 11:15:**

Multi-Mission External Calibration of Radar Altimeters Using Point Targets

Adrián Flores (isardSAT, Spain), Albert Garcia-Mondéjar (isardSAT, Spain), Ferran Gibert (isardSAT, Spain), Mònica Roca i Aparici (isardSAT, Spain), Michele Scagliola (ESA (ESRIN), Italy), Alessandro DiBella (ESA (ESRIN), Italy), Marco Fornari (ESA (ESTEC), Netherlands)

**11:15 - 11:30:**

CRISTAL End-to-End Performance Assessment: Status One Year Before Launch

Albert Garcia-Mondejar (isardSAT, Spain), Gorka Moyano (isardSAT, Spain), Stephanie Urien (isardSAT, Spain), Aida Ferro (isardSAT, Spain), Michel Guerra (isardSAT, Spain), Alessio Izzo (Aresys, Italy), Savino Chieppa (Aresys, Italy), Bernhard Ristow (Airbus Defense and Space, Germany), Enrico Mank (Airbus Defense and Space, Germany), Marco Fornari (RHEA for ESA - ESTEC, The Netherlands), Salvatore Dinardo (EUMETSAT, Germany), Michele Scagliola (ESA - ESRIN, Italy), Alessandro Di Bella (ESA -ESRIN, Italy), Carlo Zelli (ESA - ESTEC, The Netherlands), Jerome Bouffard (ESA - ESRIN, Italy), Paolo Cipollini (ESA - ESTEC, The Netherlands), Franck Borde (ESA - ESTEC, The Netherlands)

**11:30 - 11:45:**

CRISTAL Marine Level 2: Algorithm and Product Specifications

Marielle Guibbaud (CLS, France), Giovanni D'Apice (CLS, France), Laiba Amarouche (CLS, France), Thomas Moreau (CLS, France), Francesco Nencioli (CLS, France), Cristina Martin-Puig (EUMETSAT, Germany), Salvatore Dinardo (EUMETSAT, Germany), Carolina Nogueira Loddo (EUMETSAT, Germany)

**11:45 - 12:00:**

Resolving the Snow-Ice Interface: A Numerical SAR Altimetry Retracker for Simultaneous Snow Depth and Roughness Retrieval

Christopher Buchhaupt (CISESS/ESSIC/UMD, United States), Rachel Tilling (ESSIC/UMD, United States), Donghui Yi (GST, United States), Sinead Farrell (AOSC/GEOG/UMD, United States), Laurence Connor (NOAA, United States)

**12:00 - 12:15:**

A 4D Look–Bin–Space–Time (LBiST) approach for waveform decontamination and range determination in SAR altimetry

Shahin Khalili (University of Stuttgart, Institute of Geodesy, Germany), Mohammad J Tourian (University of Stuttgart, Institute of Geodesy, Germany), Omid Elmi (University of Stuttgart, Institute of Geodesy, Germany), Johannes Engels (University of Stuttgart, Institute of Geodesy, Germany), Uwe Soergel (University of Stuttgart, Institut für Photogrammetrie and Geoinformatik, Germany), Nico Sneeuw (University of Stuttgart, Institute of Geodesy, Germany)

**12:15 - 12:30:**

Monitoring Inland Water Level Variations from Sentinel-6 HR and SWOT Data

Shirzad Roohi (Satellite Ground Segment System Engineer, Germany)

# The Geoid, Mean Sea Surfaces and Mean Dynamic Topography

**Session chairs:** Ole B. Andersen, Marie-Isabelle Pujol
(Tue, Jun 23 2026, 11:00 - 12:30)

**Studio Terrasse 2.1.B**

**11:00 - 11:12:**
A CNES_CLS MSS model leveraging SWOT KaRIn data
Rémy Charayron (CLS, France), Philippe Schaeffer (CLS, France), Maxime Ballarotta (CLS, France), Antoine Delepoulle (DATLAS, France), Marie-Isabelle Pujol (CLS, France), Gérald Dibarboure (CNES, France)

**11:12 - 11:24:**
Extension of the SWOT-based mean sea surface into coastal regions and initial validation
Bjarke Nilsson (DTU Space, Denmark), Ole Baltazar Andersen (DTU Space, Denmark), Per Knudsen (DTU Space, Denmark)

**11:24 - 11:36:**
The DTU26 SWOT-derived gravity field and validation with airborne and marine campaigns
Bjarke Nilsson (DTU Space, Denmark), Ole Baltazar Andersen (DTU Space, Denmark), Per Knudsen (DTU Space, Denmark)

**11:36 - 11:48:**
New free-air gravity anomaly model based on SWOT KaRIn data.
Philippe Schaeffer (CLS, France), Juliette Gamot (CLS, France), Didier Rouxel (SHOM, France), Nolwenn Portier (SHOM, France), Franck Reinquin (CNES, France), Sean Bruinsma (CNES, France), Marie-Isabelle Pujol (CLS, France), Gérald Dibarboure (CNES, France), Claude Boniface (CNES, France)

**11:48 - 12:00:**
Sea Level Products of the Baltic & North Sea_in the German national height system
Ludwig Schröder (Federal Agency for Cartography and Geodesy, Germany), Gunter Liebsch (Federal Agency for Cartography and Geodesy, Germany), Joachim_Schwabe (Federal Agency for Cartography and Geodesy, Germany), Swantje Bastin (Federal Maritime and Hydrographic Agency, Germany), Ulf Gräwe (Leibniz Institute for Baltic Sea Research, Germany)

**12:00 - 12:12:**
Towards an improved CNES-CLS Mean Dynamic Topography 2026
Juliette Gamot (Collecte Localisation Satellite, France), Solène Jousset (Collecte Localisation Satellite (CLS), France), Nathalie Verbrugge (Collecte Localisation Satellite (CLS), France), Gérald Dibarboure (CNES, France), Nicolas Picot (CNES, France)

**12:12 - 12:17:**
Short presentations of posters

**12:17 - 12:30:**
Discussions

## Wind and Waves (including CFOSAT)

**Session chairs:** Lotfi Aouf, Danièle Hauser, Joanna Staneva, Doug Vandemark
(Tue, Jun 23 2026, 11:00 - 12:30)

**Studio Terrasse 2.1.A**

**11:00 - 11:15:**
Leveraging Delay-Doppler altimetry for Enhanced Sea-State Characterization
Laetitia Rodet (CLS, France), Marie Pommier (CLS, France), Estelle Mazaleyrat (CLS, France), Annabelle Ollivier (CLS, France), Thomas Moreau (CLS, France), Sandrine Daniel (CLS, France), Claire Maraldi (CNES, France), François Bignalet-Cazalet (CNES, France), Christopher Buchhaupt (University of Maryland, USA), Louis Marié (IFREMER, France), Bertrand Chapron (IFREMER, France), Pierre Dubois (CLS, France), Lionel Zawadzki (CLS, France), Nicolas Picot (CNES, France)

**11:15 - 11:30:**
Surface wave field spectral properties at the global scale: a new data set from the CFOSAT/SWIM
Jérôme Lebreton (CS-GROUP France, France), Danièle Hauser (CNRS-LATMOS, France), Lotfi Aouf (Météo-France, France), Cédric Tourain (CNES, France), Deborah Hazan (CNES, France), Annabelle Olivier (CLS, France)

**11:30 - 11:45:**
Extreme sea states and associated swells: peaky spectra in storms and properties of radiated swell fields
Ardhuin Fabrice (LOPS, France), Alejandro Bohé (CNES, France), Marcello Passaro (TUM, Germany), Taina Postec (LOPS, France)

**11:45 - 12:00:**
Validating CFOSAT/SWIM wave spectra using North Atlantic buoys: from calm seas to storms
Charikleia L.G. Oikonomou (Hellenic Centre for Marine Research, Greece), Lotfi Aouf (Météo-France, France)

**12:00 - 12:15:**
Joint Forward-Backward and Directional Ambiguity Resolving Deep-Learning Model For Wave Spectra Retrieval From CFOSAT SWIM
Parth Tripathi (OceanDataLab, France), Manuel LOPEZ RADCENCO (OceanDataLab, France), Fabrice COLLARD (OceanDataLab, France), Gilles GUITTON (OceanDataLab, France)

**12:15 - 12:30:**
Long-term improvement of ocean–wave coupling using CFOSAT directional wave data: A focus on the Southern Ocean and marginal ice zones
Lotfi Aouf (Division Marine et Océanographie Météo-France, CNRM, France), Emma Bedossa (CNRM, Météo-France, france), Hervé Giordani (CNRM-UMR-3589, France), Stéphane Law-Chune (Mercator Ocean International, France), Danièle Hauser (LATMOS/CNRS, France)

## (Very) young scientists session

**Session chairs:** Hayley Evers-King, Celia Ou, Vinca Rosmorduc, Margaret Srinivasan
(Tue, Jun 23 2026, 12:30 - 12:45)

**Saal C**

**12:30 - 12:45:**
Argonautica, ocean and satellites from kindergarten to engineering school
Estelle Raynal (CNES, France)

**12:45 - 14:00: Lunch**

# Outreach, Education and Altimetric Data Services

**Session chairs:** Hayley Evers-King, Celia Ou, Vinca Rosmorduc, Margaret Srinivasan
(Tue, Jun 23 2026, 14:00 - 15:45)

**Studio Terrasse 2.1.B**

**14:00 - 14:15:**
Students and operational stakeholders synergies at lake Guerlédan (France) for inland water satellite cal/val
Clémence Chupin (ENSTA, France), Pierre Bosser (Lab-STICC I ENSTA, IP Paris, Campus de Brest, France), Séverine Enet (ENSTA, IP Paris, Campus de Brest, France), Gaétan De Kat (ENSTA, IP Paris, Campus de Brest, France), Doreen Morineau (ENSTA, IP Paris, Campus de Brest, France), Louis-Marie Picard (ENSTA, IP Paris, Campus de Brest, France), Amélie Vidor (ENSTA, IP Paris, Campus de Brest, France)

**14:15 - 14:30:**
Exploring altimetry products through WEkEO and the EUMETSAT Jupyter Notebook library
Ben Loveday (Innoflair UG, Germany), Hayley Evers-King (EUMETSAT, Germany), Vinca Rosmorduc (CLS, France), Joana Brito (EUMETSAT / Innoflair UG, Germany)

**14:30 - 14:45:**
By Jupyter!: are notebooks a magic wand in education, training and user services?
Vinca Rosmorduc (CLS, France)

**14:45 - 15:00:**
EDAP+ for Altimetry – Establishing Quality Assessment Guidelines over Inland Waters, Sea Ice, and Land Ice
Sajedeh Behnia (National Physical Laboratory, United Kingdom), Emma Woolliams (National Physical Laboratory, UK), Tommy Erni (National Physical Laboratory, UK), Sam Hunt (National Physical Laboratory, UK), Leonardo De Laurentiis (ESA, Italy), Filomena Catapano (ESA, Italy), Kevin Halsall (Telespazio, UK)

**15:00 - 15:15:**
Altimetry Data and Services at PO.DAAC
Celia Ou (Jet Propulsion Laboratory, California Institute of Technology; RTX, United States), Catalina M Oaida Taglialatela (Jet Propulsion Laboratory, California Institute of Technology, United States), Dean Henze (Jet Propulsion Laboratory, California Institute of Technology; RTX, United States), Edward M Armstrong (Jet Propulsion Laboratory, California Institute of Technology, United States)

**15:15 - 15:30:**
AVISO products & services: what's new?
Léa Mahler (CLS GROUP, France), Françoise MERTZ (CLS GROUP, France), Vinca ROSMORDUC (CLS GROUPS, France), Alexandre PENE COUCK (ALTEN, France), Caroline MERCIER (AKKODIS, France), Cyril GERMINEAUD (CNES, France), Florence BIROL (CTOH, France), Fernando NIÑO (CTOH, France)

**15:30 - 15:45:**
Outreach and Data Services Showcase

**15:45 - 16:15: Coffee break**

# Science II: Large Scale Ocean Circulation Variability and Change

**Session chairs:** Leon Chafik, Weiqing Han
(Tue, Jun 23 2026, 16:15 - 18:00)

**Studio Terrasse 2.1.B**

**16:15 - 16:30:**
The ESA Arctic Freshwater budget (ARCFRESH) project – Progress after the first year.
Ole Baltazar Andersen (Profefssor, Denmark), ARCFRESH Team
( https://climate.esa.int/en/Cross_ECV_Projects/arcfresh/, )

**16:30 - 16:45:**
Revisiting the Florida Current Seasonal Cycle: Insights from Satellite Altimetry and In Situ Observations
Denis Volkov (CIMAS/University of Miami/NOAA-AOML, United States), Ryan Smith (NOAA Atlantic Oceanographic and Meteorological Laboratory, United States), Rigoberto Garcia (CIMAS/University of Miami/NOAA-AOML, United States), James Hooper (CIMAS/University of Miami/NOAA-AOML, United States)

**16:45 - 17:00:**
What does altimetry really tell us about North Atlantic circulation?
Chafik Léon (Stockholm University, Sweden), Lozier Susan (Georgia Institute of Technology, USA)

**17:00 - 17:15:**
A New Dynamic Regime in the North Pacific Climate System after 2018: Physical Drivers and Biogeochemical Impacts
Bo Qiu (University of Hawaii, United States), Niklas Schneider (University of Hawaii at Manoa, US), Shuiming Chen (University of Hawaii at Manoa, US)

**17:15 - 17:30:**
Circulation on the continental shelf around southern South America: response to wind forcing
M. Milagro Urricariet (CIMA IFAECI, Argentina), Laura Ruiz-Etcheverry (CIMA IFAECI, Argentina), Alberto R. Piola (UBA IFAECI, Argentina)

**17:30 - 17:45:**
Drivers of marine heatwaves and their decadal-scale disruption in the southwest Indian Ocean in recent decades
Weiqing Han (The University of Colorado, United States), William Kamp (The University of Colorado, United States)

## Wednesday, June 24 2026

**08:00 - 09:00: Registration, Presentation upload**

# Characterizing and Quantifying Uncertainties in Altimetry data

**Session chairs:** Michael Ablain, Remko Scharroo, Emma Woolliams
(Wed, Jun 24 2026, 09:00 - 10:30)

**Studio Terrasse 2.1.B**

**09:00 - 09:15:**
A Metrological Review of the Pre-Launch Uncertainty-Budget Determination for SAOOH, the Wide-Swath Altimeter onboard the Sentinel-3 Next Generation mission
Sajedeh Behnia (National Physical Laboratory, United Kingdom), Lucile Gaultier (OceanDataLab, France), Clément Ubelmann (datlas, France), Xavier Loizeau (National Physical Laboratory, UK), Noémie Lalau (Magellium, France), Emma Woolliams (National Physical Laboratory, UK)

**09:15 - 09:30:**
The Sea Level Budget Closure (SLBC) as a Validation Metric for assessing the Global Mean Sea Level (GMSL) Stability: Application to the TOPEX Altimetric Record
Marie Bouih (Magellium, France), Robin Fraudeau (magellium, france), Michael Ablain (magellium, france), Anny Cazenave (CNRS/LEGOS, france), Benoit Meyssignac (CNRS/LEGOS/CNES, france), Alejandro Blazquez (CNRS/LEGOS/CNES, france), Victor Quet (CLS, france), Lionel Zawadzki (CNES, france), Gérald Dibarboure (CNES, france)

**09:30 - 09:45:**
Assessment of dual-frequency ionospheric corrections from the two tandem phases of Jason-3 and Sentinel-6A
Denise Dettmering (Deutsches Geodätisches Forschungsinstitut (DGFI), Germany), Christian Schwatke (DGFI-TUM, Germany)

**09:45 - 10:00:**
A formal uncertainty propagation framework for assessing sea level rise stability uncertainties: application to the CDR-derived WTC and SSB correction
Louis Kern (Magellium, France), Marie Bouih (Magellium, France), Bruno Picard (Fluctus, France), Annabelle Ollivier (CLS, France), Adrien Nigou (CLS, France), Thomas Vaujour (Magellium, France), Noémie Lalau (Magellium, France), Michaël Ablain (Magellium, France)

**10:00 - 10:15:**
Uncertainties in coastal sea level trends in 20 years of Jason satellite altimetry data
Fernando Niño (LEGOS/University of Toulouse, IRD, CNES, CNRS, UPS, Toulouse, France, France), Léna Tolu (LEGOS/University of Toulouse, IRD, CNES, CNRS, UPS, Toulouse, France, France), Florence Birol (LEGOS/University of Toulouse, IRD, CNES, CNRS, UPS, Toulouse, France, France), Pierre Prandi (Collecte Localisation Satellite (CLS), France), Lancelot Leclercq (Collecte Localisation Satellite (CLS), France), Fabien Léger (LEGOS/University of Toulouse, IRD, CNES, CNRS, UPS, Toulouse, France, France), Mathilde Cancet (LEGOS/University of Toulouse, IRD, CNES, CNRS, UPS, Toulouse, France, France), Victor Quet (Collecte Localisation Satellite (CLS), France), Anny Cazenave (LEGOS/University of Toulouse, IRD, CNES, CNRS, UPS, Toulouse, France, France)

**10:15 - 10:30:**
An Uncertainty Analysis of the Level-2 processing for ice products from CRISTAL
Joseph Powell (National Physical Laboratory, United Kingdom), Alexa Putnam (National Physical Laboratory, United Kingdom), Tommy Erni (National Physical Laboratory, United Kingdom), Nicole Reynolds (National Physical Laboratory, United Kingdom)

# Coastal Altimetry

**Session chairs:** Florence Birol, Brett Buzzanga, Joana Fernandes, Clara Lazaro, Marcello Passaro
(Wed, Jun 24 2026, 09:00 - 10:30)

**Saal C**

**09:00 - 09:15:**
A Novel One-Pass Substack Retracker for SAR Altimetry Signals in Coastal Areas
Christopher Buchhaupt (CISESS/ESSIC/UMD, United States), Pittayuth Yoosiri (AOSC/UMD, United States), Luciana Fenoglio (Chalmers University of Technology, OSO, Onsala, Sweden)

**09:15 - 09:30:**
Assessing Sea State Bias Performance in Deep Ocean and Coastal Regimes Using ALTICAP/RESOURCECODE Colocated Data
Ngan Tran (CLS, France), Laiba Amarouche (CLS, France), Mickaël Accensi (IFREMER, France), François Bignalet-Cazalet (CNES, France), Gérald Dibarboure (CNES, France)

**09:30 - 09:45:**
Validation of Satellite Altimetry for Coastal Storm Surge Detection
Jemma Johnson (Deutsches Geodätisches Forschungsinstitut (DGFI-TUM), Germany), Marcello Passaro (Deutsches Geodätisches Forschungsinstitut (DGFI-TUM), Germany), Michael Hart-Davis (Deutsches Geodätisches Forschungsinstitut (DGFI-TUM), Germany), Björn Backeberg (Deltares, The Netherlands)

**09:45 - 10:00:**
Observing Storm Surges in the German Bight with SWOT
Saskia Esselborn (GFZ Helmholtz Centre for Geosciences, Germany), Tilo Schöne (GFZ Helmholtz Centre for Geosciences, Germany), Roman Sulzbach (FU Berlin, Germany)

**10:00 - 10:15:**
Studying small-scale coastal dynamics in the Northwestern Mediterranean Sea with SWOT: the case of North Current intrusions on the Gulf of Lion shelf
Mathilde Cancet (CNRS LEGOS, France), Léna Tolu (CNRS LEGOS, France), Florence Birol (LEGOS University of Toulouse, France), Claude Estournel (CNRS LEGOS, France), Anne Petrenko (Aix Marseille Univ., Université de Toulon, CNRS, MIO, France), Maxime Arnaud (Aix Marseille Univ., Université de Toulon, CNRS, MIO, France), Fabien Léger (CNRS LEGOS, France)

**10:15 - 10:30:**
Integration of coastal altimetry in a regional observing system along the Swedish coast
Luciana Fenoglio (Chalmers University of Technology, Sweden), Gunnar Elgered (Chalmers University of Technology, Sweden), Peng Feng (Chalmers University of Technology, Sweden), Jiaming Chen (University of Bonn, Germany), Bulczak Anna (Institute of Oceanology Polish Academy of Science, Poland)

**10:30 - 11:00: Coffee break**

# Poster Session part II

**Session chairs:** Pascal Bonnefond, Alejandro Egido, Severine Fournier, Eric Leuliette, Remko Scharroo, Josh Willis
(Wed, Jun 24 2026, 11:00 - 12:30)

**Terrassensaal A+B**

(see "Posters Sessions" section for posters' list)
**Posters format shall be A0 (84.1 cm x 118.9 cm) vertical size**

**12:30 - 14:00: Lunch**

# Workshop on the Sentinel-6 Next Generation's orbit

**Session chairs:** Michael Ablain, Alexandre Couhert, Benoit Meyssignac, Detlef Stammer
(Wed, Jun 24 2026, 14:00 - 18:00)

**Studio Terrasse 2.1.B**

**14:00 - 14:20:**

Preliminary results on the ESA-supported S6NG orbital study (ORBITAS)

Michael Ablain (MAGELLIUM, France), Noemie Lalau (MAGELLIUM, France), Kern Louis (MAGELLIUM, France), Loren Carrere (CLS, France), Garance Marlier (CLS, France), Pierre Prandi (CLS, France), Antonio Bonnaduce (NERSC, Norway), Fabio Mangini (NERSC, Norway), Benoit Meyssiganc (LEGOS, France), Detlef Stammer (University of Hamburg, Germany), Emma Woolliams (NPL, UK), Marcel Kleinherenbrink (ESA/ESTEC, Netherland), Robert Cullen (ESA/ESTEC, Netherland), Remko Scharroo (EUMETSAT, Germany), Alexandre Couhert (CNES/GET, France), Lionel Zawadzki (CNES, France), Alejandro Egido (ESA / ESTEC, Netherland)

**14:20 - 14:40:**

Selection of alternative orbits for S6NG in the context of ORBITAS study

Loren Carrere (CLS, France), Garance Marlier (CLS, France), Michael Ablain (MAGELLIUM, France), Benoit Meyssignac (LEGOS-CNES, France), Detlef Stammer (University of Hamburg, Germany), Emma Woolliams (NPL, England), Remko Scharroo (EUMETSAT, France), Marcel Kleinherenbrink (ESA/ESTEC, The Netherlands), Alejandro Egido (ESA/ESTEC, The Netherlands)

**14:40 - 15:00:**

Quantifying mean sea level inter-mission offset uncertainties for different S6NG orbit scenarios

Noémie Lalau (Magellium, France), Michael Ablain (Magellium, France), Louis Kern (Magellium, France), Thomas Vaujour (Magellium, France), Benoit Meyssignac (LEGOS, France), Detlef Stammer (University of Hamburg, Germany), Alejandro Egido (ESA/ESTEC, Netherlands)

**15:00 - 15:20:**

Investigating differential POD related effects on Jason 3 and Sentinel 3

Victor Quet (CLS, France), Pierre Prandi (CLS, Fr), Alexandre Couhert (CNES, France), John Moyard (CNES, France), Suzanne Blondel (CNES, France), Benoit Meyssignac (LEGOS/CNRS, France)

**15:20 - 15:40:**

Mean sea level stability uncertainties due to environmental corrections in the context of S6NG alternative orbits (ORBITAS)

Loren Carrere (CLS, France), Garance Marlier (CLS, France), Michael Ablain (MAGELLIUM, France), Thomas Vaujour (MAGELLIUM, France), Benoit Meyssignac (LEGOS-CNES, France), Detlef Stammer (University of Hamburg, Germany), Alejandro Egido (ESA/ESTEC, The Netherlands)

**15:45 - 16:15: Coffee break**

**16:20 - 16:40:**

Quantifying oceanic variability sampling effects in S6NG sea level rise stability uncertainty for various orbit scenarios

Noémie Lalau (Magellium, France), Michaël Ablain (Magellium, France), Ramiro Ferrari (Magellium, France), Louis Kern (Magellium, France), Thomas Vaujour (Magellium, France), Benoit Meyssignac (LEGOS, France), Detlef Stammer (University of Hamburg, Germany), Alejandro Egido (ESA/ESTEC, Netherlands)

**16:40 - 17:00:**

Arctic contribution to GMSL trends and uncertainties

Mangini Fabio (NERSC, Norway), Antonio Bonaduce (NERSC, Norway), Michael Ablain (Magellium, France), Detlef Stammer (University of Hamburg, Germany), Benoit Meyssignac (CNRS-LEGOS/CNES, France), Alejandro Egido (ESA ESTEC, The Netherlands)

**17:00 - 17:20:**

In Situ Verification of the Satellite Radar Altimeter Record: Unified Results from Dedicated Monitoring Sites

Pascal Bonnefond (Observatoire de Paris - LTE, France), Bruce Haines (Jet Propulsion Laboratory, United States), Stelios Mertikas (Technical University of Crete, Greece), Christopher Watson (University of Tasmania, Australia)

**17:20 - 17:40:**

Assessment of the Sea Level Rise Stability Uncertainty Budget of Non-Reference Altimetry Missions

Louis Kern (Magellium, France), Noémie Lalau (Magellium, France), Michaël Ablain (Magellium, France), Remko Scharroo (Eumetsat, Germany), Alejandro Egido (ESA/ESTEC, Netherlands)

## Instrument Processing: Propagation, Wind Speed and Sea State Bias

**Session chairs:** Shannon Brown, Estelle Obligis
(Wed, Jun 24 2026, 14:00 - 18:00)

**Saal C**

**14:00 - 14:15:**

From Sentinel-6A to Sentinel-6B, Improving the Altimetry Record by Advancing the Radiometer Product

Shannon Brown (JPL, United States), Shailen Desai (JPL, USA), Chun Sik Chae (JPL, USA)

**14:15 - 14:30:**

Evaluating the Contribution of High-Frequency Radiometer Channels to Coastal Wet Tropospheric Correction Retrievals from Sentinel-6

Pedro Aguiar ((1) Departamento de Geociências, Ambiente e Ordenamento do Território, Faculdade de Ciências, Universidade do Porto, Rua do Campo Alegre s/n, 4169-007 Porto, Portugal; (2) Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR), Terminal de C, Portugal), Telmo Vieira ((1) Departamento de Geociências, Ambiente e Ordenamento do Território, Faculdade de Ciências, Universidade do Porto, Rua do Campo Alegre s/n, 4169-007 Porto, Portugal; (2) Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR), Terminal de C, Portugal), Clara Lazaro ((1) Departamento de Geociências, Ambiente e Ordenamento do Território, Faculdade de Ciências, Universidade do Porto, Rua do Campo Alegre s/n, 4169-007 Porto, Portugal; (2) Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR), Terminal de C, Portugal), M. Joana Fernandes ((1) Departamento de Geociências, Ambiente e Ordenamento do Território, Faculdade de Ciências, Universidade do Porto, Rua do Campo Alegre s/n, 4169-007 Porto, Portugal; (2) Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR), Terminal de C, Portugal)

**14:30 - 14:45:**

Examining the possible improvements in WTC retrieval over ocean when including the radiometer high frequency channels on board Sentinel-6MF.

Flora Stanley (CLS, France), Laiba Amarouche (CLS, France)

**14:45 - 15:00:**

Improving MWR-based retrievals of WTC in coastal areas

Frank Fell (Informus GmbH, Germany), Ralf Bennartz (Earth and Environmental Sciences, Vanderbilt University, Nashville, US, US), Bruno PICARD (Fluctus SAS, France)

**15:00 - 15:15:**

An Adaptive Wet Tropospheric Correction Retrieval Method Integrating Overlapping Wind-Regime Modeling, Multi-Scale Sample Balancing, and Model Soft Fusion

Xiaomeng Zheng (National Space Science Center,CAS, China), Zhang Dehai (National Space Science Center, CAS, China), jin Zhao (National Space Science Center, CAS, China)

**15:15 - 15:30:**

An Intercomparison of WTC retrieval methods over ocean for Satellite Altimetry Missions - Application to Sentinel-6MF AMR-C.

Flora Stanley (CLS, France), Laiba Amarouche (CLS, France), Bruno Picard (FLUCTUS, France), Laura Hermozo (CNES, France), Xavier Boulanger (CNES, France), Marie-Laure Frery (CNES, France), Francois Boy (CNES, France), Patrice Gonzalez (CNES, France), Nicolas Picot (CNES, France)

**15:30 - 15:45:**

The KD-VAR Approach for WTC Retrieval: Combining the Best of Two Worlds by Bridging Physical Uncertainty Estimation and Operational Efficiency

Ralf Bennartz (Earth and Environmental Sciences, Vanderbilt University, Nashville, US, United States), Bruno Picard (Fluctus SAS, France), Frank Fell (Informus GmbH, Berlin, Germany, Germany)

**15:45 - 16:15: Coffee break**

**16:15 - 16:30:**

Addressing Long-Term Drift in SARAL/AltiKa Radiometer:  Empirical Correction from inter-calibration with FCDR

Hélène Roinard (CLS, France), Bruno Picard (FLUCTUS, France), Thibault Pirotte (CLS, France), Matthieu Deluzet (CELAD, France), Cyrille Boulanger (CNES, France), François Bignalet-Cazalet (CNES, France)

**16:30 - 16:45:**

New Intercalibrated Wet Tropospheric Corrections for the Reference Altimetric Missions

M. Joana Fernandes (DGAOT, Faculdade de Ciências, Universidade do Porto; Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR), Portugal), Telmo Vieira (DGAOT, Faculdade de Ciências, Universidade do Porto; Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR), Portugal), Pedro Aguiar (DGAOT, Faculdade de Ciências, Universidade do Porto; Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR), Portugal), Clara Lázaro (DGAOT, Faculdade de Ciências, Universidade do Porto; Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR), Portugal)

**16:45 - 17:00:**

A new parametrisation of the Objective Analysis algorithm for SWOT

Marie-Laure Frery (CNES, France), Thibaut Pirotte  (CLS, france), Gérald Dibarboure (CNES, France), Clément  Ubelmann (DATLAS, France), François Bignalet-Cazalet (CNES, France), Matthias Raynal (CNES, France)

**17:00 - 17:15:**

A new algorithm for the Wet Tropospheric Correction interpolation on SWOT Altimeters using Objective Analysis

Thibault Pirotte (CLS, France), Marie-Laure Frery (CNES, France), Gerald Dibarboure (CNES, France), Laiba Amarouche (CLS, France), François Bignalet-Cazalet (CNES, France), Matthias Raynal (CNES, France)

**17:15 - 17:30:**

Improving SWOT Wet Tropospheric Correction by means of GPD+

Isabel Cardoso (Universidade do Porto, Portugal), Clara Lázaro (Universidade do Porto, Portugal), Telmo Vieira (Universidade do Porto, Portugal), Joana Fernandes (Universidade do Porto, Portugal)

**17:30 - 17:45:**

Radar Altimeter and ICESat-2 Sea State Biases and Natural Correlations Between Dynamic Ocean Topography and Significant Wave Height

Alexa Putnam (National Physical Laboratory, United Kingdom), Jamie Morison (Polar Science Center, APL-UW, United States), Suzanne Dickinson (Polar Science Center, APL-UW, United States)

**17:45 - 18:00:**

Physics-based electromagnetic bias correction using SWIM spectra: towards a reconciliation of empirical and theoretical studies ?

Estelle Mazaleyrat (Collecte Localisation Satellites, 11 rue Hermès, 31520 Ramonville Saint-Agne, France), Laïba Amarouche (Collecte Localisation Satellites, 11 rue Hermès, 31520 Ramonville Saint-Agne, France), Ngan Tran (Collecte Localisation Satellites, 11 rue Hermès, 31520 Ramonville Saint-Agne, France), Claire Maraldi (Centre National d'Etudes Spatiales, 31400 Toulouse, France), Pierre Dubois (Collecte Localisation Satellites, 11 rue Hermès, 31520 Ramonville Saint-Agne, France), Adrien Nigou (Collecte Localisation Satellites, 11 rue Hermès, 31520 Ramonville Saint-Agne, France), Laëtitia Rodet (Collecte Localisation Satellites, 11 rue Hermès, 31520 Ramonville Saint-Agne, France)

**19:00 - 22:00: Cocktail dinner**

The cocktail dinner will take place at the Wiesbaden Kurhauskolonnade. The Kurhauskolonnade is a 10-minute walk from the conference venue and is close to the city centre:
Kurhausplatz 1, 65189 Wiesbaden

## Thursday, June 25 2026

**08:00 - 09:00: Registration, Presentation upload**

# Science IV: Altimetry for Cryosphere and Hydrological Studies

**Session chairs:** Jérôme Bouffard, Jean-Francois Crétaux, Sinead Farrell, Karina Nielsen
(Thu, Jun 25 2026, 09:00 - 12:30)

**Saal C**

## *Cryosphere part:*

**09:00 - 09:15:**
Fresh4Bio: Evaluating SWOT-derived geostrophic velocities in a regional ocean-sea ice model of the Nordic Seas
Sara Jensen (Technical University of Denmark (DTU), Denmark), Ole Andersen (Technical University of Denmark (DTU), Denmark)

**09:15 - 09:30:**
Mapping Recent Variability in Arctic Sea Ice Topography with Satellite Laser and Radar Altimetry
Kyle Duncan (Earth System Science Interdisciplinary Center, University of Maryland, College Park, MD, United States), Sinead L. Farrell (Department of Geographical Sciences, University of Maryland, College Park, MD, United States of America), Donghui Yi (GST Inc., College Park, MD, United States of America)

**09:30 - 09:45:**
Sea ice classification, concentration and freeboard using SWOT altimetry data.
Gwenael Jestin (CNRS / LEGOS, France), Sara Fleury (CNRS / LEGOS, France), Fanny Piras (CLS, France), Marta Alves (CLS, France), Sammy Metref (DATLAS, France), Matthias Raynal (CNES, France), Nicolas Picot (CNES, France), Dibarboure Gérald (CNES, France), Boy François (CNES, France)

**09:45 - 10:00:**
The Spatial Distribution and Temporal Variation of Arctic Snow Depth and Sea Ice Thickness from Satellite Altimeter Observations
Donghui Yi (GST Inc., United States), Sinead L. Farrell (University of Maryland, USA), Laurence Connor (NOAA/NESDIS Center for Satellite Research and Applications, USA), Alejandro Egido (ESAESTEC, The Netherlands), Dexin Zhang (GST Inc., USA), John Kuhn (NOAA/NESDIS Center for Satellite Research and Applications, USA), Eric Leuliette (NOAA/NESDIS Center for Satellite Research and Applications, USA)

**10:00 - 10:15:**
Iceberg Detection and Characterisation for CRISTAL: Multi-Mission Assessment of the CLEV2ER Ground Prototype Processor
David Llaveria Godoy (IsardSat, Spain), Albert Garcia-Mondéjar (isardSAT, Spain), Jean Tournadre (Ifremer, France), Michel Tsamados (UCL, England), David Brockley (UCL, England), Michele Scagliola (ESA, Italy), Jérôme Bouffard (ESA, Italy), Paolo Cipollini (ESA, Netherlands)

**10:15 - 10:30:**
Combining Fully Focused and Swath Processing for Glacier Applications
Charlie McKeown (isardSAT, United Kingdom), Albert Garcia-Mondéjar (isardSAT, Spain), Ferran Gibert (isardSAT, Spain), Noel Gourmelen (University of Edinburgh, United Kingdom), Carolyn Michael (Earthwave, United Kingdom), Mal McMillan (University of Lancaster, United Kingdom), Michele Scagliola (ESA, Italy), Paolo Cipollini (ESA, Netherlands)

**10:30 - 11:00: Coffee break**

## *Hydrosphere part:*

**11:00 - 11:15:**
Performance Assessment of SWOT Mission for estimating Water Surface Elevation and Storage over selected Reservoirs of India
Shard Chander (Space Applications Centre ISRO, India), Rohit Pradhan (Space Applications Centre, India), Parth Dave (Space Applications Centre, India), Praveen Kumar Gupta (Space Applications Centre, India), Rashmi Sharma (Space Applications Centre, India)

**11:15 - 11:30:**

GLoWAV: A Global Dataset of Lake and Reservoir Storage Anomaly from Multi-Mission Satellite Altimetry and Optical Satellite Imagery

Omid Elmi (Institute of Geodesy, University of Stuttgart, Germany), Mohammad J. Tourian (Institute of Geodesy, University of Stuttgart, Germany), Peyman Saemian (Institute of Geodesy, University of Stuttgart, Germany), Shahin Khalili (Institute of Geodesy, University of Stuttgart, Germany), Zhiqiang Wen (College of Earth and Planetary Sciences, University of Chinese Academy of Sciences, China), Benjamin Kitambo (Institute of Geodesy, University of Stuttgart, Germany), Kaveh Madani (United Nations University Institute for Water, Environment and Health (UNU-INWEH), Canada), John T. Reager (Jet Propulsion Laboratory at California Institute of Technology, United States), Matthew Rodell (NASA Goddard Space Flight Center, United States), Nico Sneeuw (Institute of Geodesy, University of Stuttgart, Germany), Fabrice Papa (Universite de Toulouse, LEGOS (IRD/CNRS/CNES/UT), France)

**11:30 - 11:45:**

River Processing Prototype: Enhancing Nadir Satellite Altimetry processing for Rivers Using SWOT and Geographical Context Data

Baptiste Gombert (CNES, France), Jean-Alexis Daguze (CLS, France), Marie Chapellier (CLS, France), Calassou Gabriel (Météo-France, CLS, France), Carlos Yanez (CNES, France), François Boy (CNES, France), Lionel Zawadzki (CNES, France)

**11:45 - 12:00:**

Performance comparison of Sentinel-6 and SWOT over terrestrial water targets, and a new SWOT framework to improve their analysis.

Ollie Holmes (isardSAT UK, United Kingdom), Adrià Gómez Olivé (isardSAT, Catalonia), Ferran Gibert (isardSAT, Catalonia), Maria José Escorihuela (isardSAT, Catalonia)

**12:00 - 12:15:**

RainGNSS, toward a dense, low-cost ground-based network of in situ validators for inland water altimetry: tropospheric wet correction, rainfall flagging, and height validation.

Bruno Picard (Fluctus SAS, France), Julianna Devillers (Vortex-io, France), Yannick Riou (Vortex-io, France), Valentin Fouqueau (Vortex-io, France)

**12:15 - 12:30:**

From SWOT to the Future S3NG-T Mission: Assessing Swath Altimetry Performance Over Inland Waters

Maxime Vayre (CLS, France), Julien RENOU (CLS, France), Marie CHAPELLIER (CLS, France), Roger FJØRTOFT (CNES, France), Nicolas PICOT (CNES, France), François BOY (CNES, France), Claire POTTIER (CNES, France), Alejandro EGIDO (ESTEC, Netherlands), Noemie LALAU (Magellium, France)

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

**Session chairs:** Pascal Bonnefond, Shailen Desai, Bruce Haines, Eric Leuliette, Lionel Zawadzki
(Thu, Jun 25 2026, 09:00 - 12:30)

**Studio Terrasse 2.1.B**

**09:00 - 09:15:**

CryoSat-2's teenage years: Ensuring quality of oceanographic data from 16 plus years in orbit

Chris Banks (National Oceanography Centre, United Kingdom), Francisco Mir Calafat (University of the Balearic Islands, Spain), Michele Scagliola (ESA-ESRIN, Italy), Alessandro Di Bella (ESA-ESRIN, Italy)

**09:15 - 09:30:**

Analyzing the Sentinel-6A / Jason-3 second tandem phase to assess the missions consistency.

Benjamin Flamant (CLS, France), Pierre Prandi (CLS, France), François Bignalet-Cazalet (CNES, France), Claire Maraldi (CNES, France), Cyrille Boulanger (CNES, France), Lionel Zawadski (CNES, France)

**09:30 - 09:45:**

The TOPEX sea level topography retrieval stability and its impact on the GMSL time series

Victor Quet (CLS Group (Collecte Localisation Satellites), France), Pierre Prandi (CLS Group (Collecte Localisation Satellites), France), Lionel Zawadzki (CNES, France), François Bignalet-Cazalet (CNES, France), Benoit Meyssignac (CNES, LEGOS, France)

**09:45 - 10:00:**

Sentinel-3 Global Ocean Products – Baseline 'G62' improving global sea level

Bruno Lucas (EUMETSAT, Germany), Salvatore Dinardo (EUMETSAT, Germany), Carolina Nogueira Loddo (EUMETSAT, Germany), Hassan F. Farahani (CS Group, Germany), Flavia Lenti (CS Group, Germany), Remko Scharroo (EUMETSAT, Germany)

**10:00 - 10:15:**

DT2029 L2P-L3-L4 reprocessing : Shaping the Future of a 34-Year Multi-Mission Altimetry Record

Cecile Kocha (CLS, France), Camille Boulard (CELAD, France), Pierre Prandi (CLS, France), Marie-Isabelle Pujol (CLS, France), Gerald Dibarboure (CNES, France), Francois Bignalet-Cazalet (CNES, France)

**10:15 - 10:30:**

Improving Altimetry Data Editing Through Empirical Threshold Refinement and AI-Based Anomaly Detection

Mélissa Rolland (CLS, France), Kokou Alexis (CLS / CELAD, France), Aurélien Deniau (CLS, France), Benjamin Flamand (CLS, France)

**10:30 - 11:00: Coffee break**

**11:00 - 11:15:**

Recent Progress in altimetry Cal/Val for all operating satellite modes at the ESA Permanent Facility for Altimetry Calibration

Stelios Mertikas (Technical University of Crete, Greece), Craig Donlon (ESA/ESTEC, The Netherlands), Emma Woolliams (The National Physical Laboratory, United Kingdom), Alejandro Egido (ESA/ESTEC, The Netherlands), Fabrice Collard (Ocean Data Lab, France), Costas Kokolakis (Space Geomatica, Greece), Dimitrios Piretzidis (Space Geomatica, Greece), Achilles Tripolitsiotis (Space Geomatica, Greece), Xenophon Frantzis (Technical University of Crete, Greece)

**11:15 - 11:30:**

Calibration/Validation of nadir and wide-swath altimetry at the Corsica facilities

Pascal Bonnefond (Observatoire de Paris - LTE, France), Olivier Laurain (OCA/Geoazur, France), Nicolas Picot (CNES, France), Said Haouchine (CNES, France)

**11:30 - 11:45:**

Shipborne GNSS Sea Surface Height Estimation During SWOT Fast-Sampling Phase

Aurélie Panetier (Shom, Brest ; CNES, Paris, France), Clémence Chupin (Lab-STICC/M3, UMR 6285, ENSTA, Brest, France), Louise Hinard (Lab-STICC/M3, UMR 6285, ENSTA, Brest, France)

**11:45 - 12:00:**

Overview and performance assessment of SWOT NADIR's latest GDR-S2.01 standard over ocean

Aurélien Deniau (CLS, France), Hélène Roinard (CLS, France), Thibault Pirotte (CLS, France), Nathan Kientz (CLS / ALTEN, France), François Bignalet-Cazalet (CNES, France)

**12:00 - 12:15:**

Overview and performance assessment of SWOT KaRIn's latest D0 baseline

Étienne Jussiau (CLS, France), Émeline Cadier (CLS, France), Francesco Nencioli (CLS, France), Nicolas Dejax (CELAD, France), Matthias Raynal (CNES, France)

**12:15 - 12:30:**

Sentinel-3 Next Generation Topography Mission Performance and Uncertainty Assessment: Sea Surface Height preliminary performance study

Thomas Vaujour (Magellium, France), Noémie Lalau (Magellium, France), Michael Ablain (Magellium, France), Lucile Gaultier (OceanDataLab, France), Clément Ubelmann (Datlas, France), François Boy (CNES, France), Louise Yu (CNES, France), Alejandro Egido (ESA, Netherlands)

**12:30 - 14:00: Lunch**

## Poster Session part III

**Session chairs:** Pascal Bonnefond, Alejandro Egido, Severine Fournier, Eric Leuliette, Remko Scharroo, Josh Willis
(Thu, Jun 25 2026, 14:00 - 15:45)

**Terrassensaal A+B**

(see "Posters Sessions" section for posters' list)
**Posters format shall be A0 (84.1 cm x 118.9 cm) vertical size**

**15:45 - 16:15: Coffee break**

## Science I: Quantifying and Understanding Regional and Global Sea Level variability, trend and acceleration

**Session chairs:** Marie Bouih, Benjamin Hamlington, Benoit Meyssignac
(Thu, Jun 25 2026, 16:15 - 18:00)

**Saal C**

**16:15 - 16:30:**

33 years of GMSL measurements and associated uncertainties based on L2P vDT2024 products

Victor Quet (CLS Group (Collecte Localisation Satellites), France), Pierre Prandi (CLS Group (Collecte Localisation Satellites), France), Lionel Zawadzki (CNES, France), François Bignalet-Cazalet (CNES, France), Benoit Meyssignac (CNES, LEGOS, France)

**16:30 - 16:45:**

Exploitation of the two tandem phases between Jason-3 and Sentinel-6 MF for instrumental stability assessment

Victor Quet (CLS Group (Collecte Localisation Satellites), France), Pierre Prandi (CLS Group (Collecte Localisation Satellites), France), François Bignalet-Cazalet (CNES, France), Lionel Zawadzki (CNES, France), Benoît Meyssignac (CNES, LEGOS, France)

**16:45 - 17:00:**

Abrupt trend change in global mean sea level and its components in the early 2010s

Lancelot Leclercq (Université de Toulouse, LEGOS (CNES/CNRS/IRD/UT), Toulouse, France), Julius Oelsmann (Tulane University, School of Science & Engineering, New Orleans (LA), USA), Anny Cazenave (Université de Toulouse, LEGOS (CNES/CNRS/IRD/UT), Toulouse, France), Marcello Passaro (Deutsches Geodätisches Forschungsinstitut der Technischen Universität München, Munich, Germany), Svetlana Jevrejeva (National Oceanography Center, Liverpool, UK), Sarah Connors (European Space Agency, Climate Office, Harwell, UK), Jean-François Legeais (CLS, France), Florence Birol (Université de Toulouse, LEGOS (CNES/CNRS/IRD/UT), Toulouse, France), Rodrigo Abarca-del-Río (University of Concepcion, Department of Geophysics, Concepcion, Chile)

**17:00 - 17:15:**

How is the global and regional sea level budget closed from the latest observations? (SLBC_cci+ project)

Marie Bouih (Magellium, France), Robin Fraudeau (magellium, france), Ramiro Ferrari (magellium, france), Michael Ablain (magellium, france), Anny Cazenave (magellium / LEGOS, Université de Toulouse, CNES, CNRS, UPS, IRD, france), Benoit Meyssignac (LEGOS, Université de Toulouse, CNES, CNRS, UPS, IRD, france), Alejandro Blazquez (LEGOS, Université de Toulouse, CNES, CNRS, UPS, IRD, france), Martin Horwath (TUD Dresden University of Technology, Germany), Thorben Dohne (TUD Dresden University of Technology, Germany), Jonathan Bamber (University of Bristol, UK), Antonio Bonaduce (NERSC, Norway), Roshin Raj (NERSC, Norway), Stéphanie Leroux (DATLAS, france), Nicolas Kolodziejczyk (UBO-LOPS, france), Erwan Oulhen (UBO-LOPS, france), William Llovel (CNRS/LOPS, france), Giorgio Spada (UNIBO, Italy), Andrea Storto (CNR-ISMAR, Italy), Chunxue Yang (CNR-ISMAR, Italy), Daniele Melini (Istituto Nazionale di Geofisica e Vulcanologia, Italy), Sarah Connors (ESA-ECSAT, UK)

**17:15 - 17:30:**

Closure of the sea level budget since 2016

Anny Cazenave (LEGOS-CNES, France), Chunxue Yang (CNR, Italy), Marie Bouih (Magellium, France), Andrea Storto (CNR, Italy), Jianli Chen (Hong Kong Polytechnic University, Hong Kong), William Llovel (IFREMER, France), Karina von Schuckmann (MERCATOR, France), Lancelot Leclercq (LEGOS, France)

**17:30 - 17:45:**

Uncertainty in Ocean heat uptake estimate from the combination of Altimetry, gravimetry and in-situ data

Michael Ablain (MAGELLIUM, France), Robin Fraudeau (MAGELLIUM, France), Elisabeth Arnaut (MAGELLIUM, FARNCE), Ramiro Ferrari (MAGELLIUM, France), Benoit Meyssignac (LEGOS/CNES, France), Alejandro Blazquez (LEGOS/CNES, France), Thomas Duvignacq (Duvignac, Thomas), Sébastien Fourest (CNES, France)

**17:45 - 18:00:**

Seasonal prediction skill for sea level anomaly and the underlying physics provided by ocean dynamic memory

Tong Lee (JPL, United States), Xue Feng (University of Hamburg, Germany), Matthew Widlansky (University of Hawaii, United States), Ou Wang (JPL, United States), Magdalena Balmaseda (ECMWF, United Kingdom), Hao Zuo (ECMWF, United Kingdom), Gregory Dusek (NOAA, United States), William Sweet (NOAA, United States), Malte Stuecker (University of Hawaii, United States)

## Application development for Operations

**Session chairs:** Deirdre Byrne, Joseph D'Addezio, Gerald Dibarboure, Gregg Jacobs, Carolina Nogueira Loddo (Thu, Jun 25 2026, 16:15 - 18:00)

**Studio Terrasse 2.1.B**

**16:15 - 16:30:**

Real-time SWOT processing and forecasting using novel data assimilation

Joseph D'Addezio (U.S. Naval Research Laboratory, United States), Gregg Jacobs (University of Southern Mississippi, USA), Brent Bartels (Peraton, USA)

**16:30 - 16:45:**

Global Daily Altimeter Sea Surface Height (DASH1.0) 1993-2024

James Carton (University of Maryland, United States), Ligang Chen (University of Maryland, USA), Deirdre Byrne (NOAA, USA), Eric Leuliette (NOAA, USA), Travis Sluka (UCAR, USA), Luyu Sun (University of Maryland, USA)

**16:45 - 17:00:**

Satellite-Based Near-Real-Time Subsurface Ocean Field Estimates for Operational Needs

Paige Lavin (University of Maryland (CISESS); NOAA/STAR, United States), Deirdre Byrne (NOAA/STAR, USA), Lewis Gramer (University of Miami (CIMAS), NOAA/OAR/AOML/HRD, USA), David Trossman (National Oceanography Centre, United Kingdom), Korak Saha (Global Science & Technology, Inc.; NOAA/STAR, USA), Bin Zhang (Global Science & Technology, Inc.; NOAA/STAR, USA), Sarah Hall (Global Science & Technology, Inc.; NOAA/STAR, USA)

**17:00 - 17:15:**

Assessing the impact of wide-swath altimetry for operational systems: SWOT assimilation from global to regional scales

Ergane Fouchet (Mercator Ocean International, France), Pierre-Yves Le Traon (Mercator Ocean International, France), Mounir Benkiran (Mercator Ocean International, France), Romain Escudier (Mercator Ocean International, France)

**17:15 - 17:30:**

From SWOT-KaRIn to Copernicus Marine Service: Leveraging L3 KaRIn for Next Generation Oceanography

Marie Isabelle Pujol (CLS, France), Maxime Ballarotta (CLS, France), Cécile Anadon (CLS, France), Anaëlle Treboutte (CLS, France), Gaétan Meis (CLS, France), Antoine Bonnin (CLS, France), Robin Chevrier (CLS, France), Antoine Delepoulle (DATLAS, France), Clement Ubelmann (DATLAS, France), Gerald Dibarboure (CNES, France)

**17:30 - 17:45:**

Satellite altimetry of volcanic tsunamis and early warning

Y. Tony Song (JPL/NASA, United States), P.S. Callahan (JPL, USA), J.D. Desjonqueres (JPL, USA), Severine Fournier (JPL, USA), Josh Willis (JPL, USA)

## Friday, June 26 2026

**08:00 - 09:00: Registration, Presentation upload**

# OSTST Closing Plenary Session

**Session chairs:** Pascal Bonnefond, Alejandro Egido, Severine Fournier, Eric Leuliette, Remko Scharroo, Josh Willis
(Fri, Jun 26 2026, 09:00 - 12:30)

**Saal C**

**09:00 - 09:15:**
GDR-G Reprocessing Status
François Bignalet-Cazalet (CNES, France), Cyrille Boulanger (CNES, France), Cristina Martin-Puig (EUMETSAT, Germany), Bruno Lucas (EUMETSAT, Germany), Salvatore Dinardo (EUMETSAT, Germany)

**09:15 - 09:30:**
Discussion time on the products evolution

**09:30 - 10:00:**
Keynote on climate
*The necessary details will be made available in the near future.*

**10:00 - 10:30:**
Summary of the “Workshop on the Sentinel-6 Next Generation’s orbit” and discussion
Detlef Stammer (Oceanography and Remote Sensing of the Earth System, Germany), Benoît Meyssignac (CNRS/LEGOS/CNES, France), Michaël Ablain (Magellium, France), Alexandre Couhert (CNES, France)

**10:30 - 11:00: Coffee break**

**11:00 - 11:30:**
Summary of the “S6VT meeting” (focus on unrestricted news for S6B) and discussion
Moderated by the Project Scientists

**11:30 - 11:45:**
Results of the “Altimetry User Support & Training: Needs and Priorities” interactive poll
Chairs of the Outreach, Education and Altimetric Data Services splinter session

**11:45 - 12:30:**
Discussions, recommendations...

**12:30 - 14:00: Lunch**

# Posters Sessions

## Application development for Operations

**Session chairs:** Deirdre Byrne, Joseph D'Addezio, Gerald Dibarboure, Gregg Jacobs, Carolina Nogueira Loddo

**Mon, Jun 22 2026, 18:00 - 19:30 - Terrassensaal A+B**

**Wed, Jun 24 2026, 11:00 - 12:30 - Terrassensaal A+B**

**Thu, Jun 25 2026, 14:00 - 15:45 - Terrassensaal A+B**

**APO2026_001 -** A Study of NOAA Operational Ocean Heat Content Product Users and Their Needs

Deirdre Byrne (NOAA Laboratory for Satellite Altimetry), Stacy Bunin (Cyber Security Solutions, LLC), Jonathan Wrotny (Carr Astronautics), Paige Lavin (University of Maryland, Cooperative Institute for Satellite Earth System Studies and NOAA Laboratory for Satellite Altimetry), David Trossman (UK National Oceanography Centre), Oaklin Keefe (Carr Astronautics)

**APO2026_002 -** NOAA's Jason Products and current Jason-3 NOAA Near Realtime Ground Processing System 2026

David Donahue (NOAA), Donald Richardson (ERT Corporation), Yongsheng Zhang (NOAA/NESDIS/NCEI)

**APO2026_003 -** Jason-3 Near-Real Time Products Latency and Availability from 1 November 2025 to 31 May 2026

David Donahue (NOAA), Donald Richardson (ERT Corporation)

**APO2026_004 -** Operational monitoring of Sentinel altimetry and radiometry products at EUMETSAT

Flavia Lenti (CS group c/o EUMETSAT), Clement Lacrouts (CS group c/o EUMETSAT), Bruno Lucas (EUMETSAT), Hassan Farahani (CS group c/o EUMETSAT), Carolina Nogueira Loddo (EUMETSAT), Remko Scharroo (EUMETSAT), Salvatore Dinardo (EUMETSAT)

**APO2026_005 -** The Global Water Measurements: Lakes, Reservoirs, Wetlands, and Rivers Monitoring for Hazard Observation, Resource and Environmental Management

Martina Ricko (KBR, NASA Goddard Space Flight Center), Charon M. Birkett (NASA Goddard Space Flight Center), Hunter Xu Yang (KBR, NASA Goddard Space Flight Center)

**APO2026_006 -** Reconstructing riverine outflow from remotely sensed data

David Trossman (National Oceanography Centre-Liverpool)

**APO2026_007 -** ASSESSING THE IMPACT OF ASSIMILATING HIGH-RESOLUTION SLA FIELDS (SWOT) INTO MOVE/MRI.COM- JPN

Hiroaki Asai (Japan Meteorological Agency), Yosuke Fujii (Meteorological Research Institute), Norihisa Usui (Meteorological Research Institute), Hiroyuki Sugimoto (Japan Meteorological Agency)

## Characterizing and Quantifying Uncertainties in Altimetry data

**Session chairs:** Michael Ablain, Remko Scharroo, Emma Woolliams

**Mon, Jun 22 2026, 18:00 - 19:30 - Terrassensaal A+B**

**Wed, Jun 24 2026, 11:00 - 12:30 - Terrassensaal A+B**

**Thu, Jun 25 2026, 14:00 - 15:45 - Terrassensaal A+B**

**ERR2026_001 -** Assessing opportunities of SWOT WSE retrievals for monitoring karst-influenced surface water dynamics in Bruce Peninsula National Park

Ethan Parker (University of Guelph), Aaron Berg (University of Guelph), Ben DeVries (University of Guelph)

**ERR2026_002 -** Ocean wave groups and noise in sea level measurements: from nadir altimetry to swath altimetry

Ardhuin Fabrice (LOPS), Pierre Dubois (CLS), Alejandro Bohé (CNES), Beatriz Moelro (CLS), Taina Postec (LOPS), Lisa Tomasetto (LOPS)

**ERR2026_003 -** Inferring Altimetry Data Uncertainty from ECCO Ocean State Estimates

Ou Wang (Jet Propulsion Laboratory, California Institute of Technology), Ichiro Fukumori (Jet Propulsion Laboratory, California Institute of Technology), Ian Fenty (Jet Propulsion Laboratory, California Institute of Technology), Josh Willis (Jet Propulsion Laboratory, California Institute of Technology)

**ERR2026_004 -** Evidence for geographically correlated errors in inter-mission biases

Victor Quet (CLS), Jean-François Legeais (CLS), Pierre Prandi (CLS), Benoit Meyssignac (LEGOS/CNRS)

**ERR2026_005 -** SWOT Cal/Val in the Argentine Continental Shelf

Sebastián Cornejo-Guzmán (DCAO-CIMA, IFAECI), Martín Saraceno (DCAO-CIMA, IFAECI), Laura Ruiz Etcheverry (DCAO-CIMA, IFAECI), Florence Birol (LEGOS), Florent Lyard (LEGOS)

**ERR2026_006 -** Automatic altimeter track evaluation in DASH1

James Carton (University of Maryland), ligang chen (University of Maryland)

# Coastal Altimetry

**Session chairs:** Florence Birol, Brett Buzzanga, Joana Fernandes, Clara Lazaro, Marcello Passaro

**Mon, Jun 22 2026, 18:00 - 19:30 - Terrassensaal A+B**

**Wed, Jun 24 2026, 11:00 - 12:30 - Terrassensaal A+B**

**Thu, Jun 25 2026, 14:00 - 15:45 - Terrassensaal A+B**

**COA2026_001 -** Combining coastal altimetry and hydrodynamic modelling for enhanced extreme water level modelling in support of urban flood forecasting

Bjorn Backeberg (Deltares), Sanne Muis (Deltares), Marcello Passaro (Deutsches Geodätisches Forschungsinstitut, Technical University of Munich), Fabio Mangini (Nansen Environmental and Remote Sensing Center), Cornelis Slobbe (Geoscience & Remote Sensing, Faculty of Civil Engineering and Geosciences, Delft University of Technology), Natalia Aleksandrova (Deltares), Antonio Bonaduce (Nansen Environmental and Remote Sensing Center), Pavel Ditmar (Geoscience & Remote Sensing, Faculty of Civil Engineering and Geosciences, Delft University of Technology), Michael Hart-Davis (Deutsches Geodätisches Forschungsinstitut, Technical University of Munich), Jemma Johnson (Deutsches Geodätisches Forschungsinstitut, Technical University of Munich), Roshin P. Raj (Nansen Environmental and Remote Sensing Center), Gundula Winter (Deltares), Sarah Connors (European Space Agency, Climate Office, European Centre for Space Applications and Telecommunications)

**COA2026_002 -** A Multiplatform Approach to Explore Sentinel-6-MF LRM and SAR Measurements at Different Temporal and Spatial Scales

Mathilde Cancet (CNRS LEGOS), Florence Birol (LEGOS University of Toulouse), Fabien Léger (CNRS LEGOS)

**COA2026_003 -** Circulation and wind-processes in the Yaganes area

Juan Cruz Carbajal (Departamento de Ciencias de la Atmósfera y los Océanos (DCAO), Facultad de Ciencias Exactas y Naturales (FCEN), Universidad de Buenos Aires (UBA)), Jacobo Martin (Centro Austral de Investigaciones Científicas (CADIC) - CONICET), Maité P. Latorre (Centro Austral de Investigaciones Científicas (CADIC) - CONICET), Facundo Barrera (Centro Austral de Investigaciones Científicas (CADIC) - CONICET), Julieta Kaminsky (Centro Austral de Investigaciones Científicas (CADIC) - CONICET), Andreana M. Cadaillón (Centro Austral de Investigaciones Científicas (CADIC) - CONICET), Martin Saraceno (Centro de Investigaciones del Mar y la Atmósfera (CIMA/CONICET-UBA))

**COA2026_004 -** SWOT KaRIn in Coastal areas: performance assessment and opportunities for improvement

Aurélien Deniau (CLS), Beatriz Molero (CLS), Francesco Nencioli (CLS), Matthias Raynal (CNES)

**COA2026_005 -** OpenADB: DGFI-TUM's Open Altimeter Database and Its Enhanced Focus on the Coastal Zone

Denise Dettmering (Deutsches Geodätisches Forschungsinstitut (DGFI)), Marcello Passaro (DGFI-TUM), Christian Schwatke (DGFI-TUM), Mike Hart-Davis (DGFI-TUM), Daniel Scherer (DGFI-TUM), Felix Müller (DGFI-TUM), Florian Seitz (DGFI-TUM)

**COA2026_006 -** An OSM-Based Land-Sea Mask and Distance-to-Coast Product for Coastal Altimetry Applications

Pablo Garcia (isardSAT), Biel Pujol (isardSAT), Berta Moreno (isardSAT), Mònica Roca (isardSAT), Ester Vendrell (isardSAT), Bruno Lucas (EUMETSAT), Carolina Nogueira-Loddo (EUMETSAT)

**COA2026_007 -** Assessing the impacts of SWOT and CFOSAT wave data assimilation on the wave run-up at the French Southern Atlantic coast

Wagner L. L. Costa (Meteo France), Lotfi Aoufl (Meteo France), Alice Dalphinet (Meteo France), Breogan Gomez (Now Systems), Marcos Sotillo (Now Systems), Ciliberti Stefania (Now Systems)

**COA2026_008 -** X-TRACK/L2P: A Long-Term Dataset from 14 Altimetric Missions Observing the Sea Level in Coastal Zones

Fabien Leger (LEGOS, University of Toulouse, IRD, CNES, CNRS, UPS), Florence Birol (LEGOS, University of Toulouse, IRD, CNES, CNRS, UPS), Mathilde Cancet (LEGOS, University of Toulouse, IRD, CNES, CNRS), Fernando Niño (LEGOS, University of Toulouse, IRD, CNES, CNRS)

**COA2026_009 -** Leveraging pre- and post-launch airborne surveys to validate wide-swath altimetry

Pascal Matte (Environment and Climate Change Canada), Marc Simard (Jet Propulsion Laboratory), Xavier Chartrand (Université du Québec à Rimouski), Alexandra Christensen (Jet Propulsion Laboratory)

**COA2026_010 -** Towards a spatially dense estimate of Significant Wave Height in coastal zones by benefiting from Fully-Focused SAR Altimetry (FF-SAR) and ship-based GNSS measurements: Insights from the SWASCH project

Tourian Mohammad J. (University of Stuttgart, Institute of Geodesy), Shahin Khalili (University of Stuttgart, Institute of Geodesy), James Foster (University of Stuttgart, Institute of Geodesy)

**COA2026_011 -** Assessing Coral Reef Wave Attenuation Using Satellite Altimetry: A Global Remote Sensing Approach

Marcello Passaro (DGFI-TUM), Mariia Usoltseva (Technische Universität München), Guillaume Dodet (Univ. Brest, Ifremer, CNRS, IRD, LOPS, 29280 Plouzané), Jean-François Piolle (Univ. Brest, Ifremer, CNRS, IRD, LOPS, 29280 Plouzané), Giulia Tafuni (DGFI-TUM), Annabelle Ollivier (CLS), Fabrice Ardhuin (Univ. Brest, Ifremer, CNRS, IRD, LOPS, 29280 Plouzané), Sarah Connors (European Space Agency, Climate Office)

**COA2026_012 -** Relative contributions of waves and altimetric sea levels to global coastal sea level changes over past three decades

Fukai Peng (Sun Yat-sen University), Weiwei Li (College of Geodesy and Geomatics, Shandong University of Science and Technology), Xiaoli Deng (School of Engineering, The University of Newcastle), Yanguang Fu (First Institute of Oceanography, Ministry of Natural Resources), Xiao Cheng (School of Geospatial Engineering and Science, Sun Yat-Sen University)

**COA2026_013 -** US Coastal Flood Observations in the SWOT Era and the Role of Mesoscale Sea Level Anomalies near the Hawaiian Islands

Angelica Rodriguez (NASA Jet Propulsion Laboratory), Iury Simoes-Sousa (Woods Hole Oceanographic Institution ), Anup Nambiathody (NASA Jet Propulsion Laboratory), Marufa Ishaque (NASA Jet Propulsion Laboratory), Tom Farrar (Woods Hole Oceanographic Institution ), Philip Thompson (University of Hawai‘i at Mānoa), Mark Merrifield (Scripps Institution of Oceanography, University of California San Diego), Ben Hamlington (NASA Jet Propulsion Laboratory)

**COA2026_014 -** Coastal Significant Wave Height Gradients from SWOT and Sentinel-6

Giulia Tafuni (Deutsches Geodätisches Forschungsinstitut (DGFI-TUM)), Marcello Passaro (Deutsches Geodätisches Forschungsinstitut (DGFI-TUM)), Oriane Gassot (Collecte Localisation Satellite (CLS)), Salvatore Causio (Centro Euro-Mediterraneao sui Cambiamenti Climatici (CMCC)), Ivan Federico (Centro Euro-Mediterraneao sui Cambiamenti Climatici (CMCC))

**COA2026_015 -** Observing tides in coastal rivers from wide-swath altimetry

Michael Hart-Davis (DGFI-TUM), Daniel Scherer (DGFI-TUM), Christian Schwatke (DGFI-TUM), Audrey Sawyer (Universitat Politécnica de Catalunya (UPC)), Tamlin Pavelsky (University of North Carolina), Richard Ray (NASA), Pascal Matte (Environment and Climate Change Canada), Denise Dettmering (DGFI-TUM), Florian Seitz (DGFI-TUM)

# Instrument Processing: Measurement and Retracking

**Session chairs:** Saoussen Belhadj Aissa, Salvatore Dinardo, Marco Fornari, Maraldi Claire

**Mon, Jun 22 2026, 18:00 - 19:30 - Terrassensaal A+B**

**Wed, Jun 24 2026, 11:00 - 12:30 - Terrassensaal A+B**

**Thu, Jun 25 2026, 14:00 - 15:45 - Terrassensaal A+B**

**IPM2026_001 -** A Deep Learning Stacked-Waveform Retracker for Sentinel-3 and Sentinel-6 SAR Altimetry with Cross-Mission Calibration in the Eastern Mediterranean

Nikos Flokos (NATIONAL TECHNICAL UNIVERSITY OF ATHENS), Maria Tsakiri (NATIONAL TECHNICAL UNIVERSITY OF ATHENS)

**IPM2026_002 -** CRISTAL Global Ocean Data Products : Level-1 Algorithm Specifications and Test Data Set Generation

Albert Garcia-Mondejar (isardSAT), Pablo García (isardSAT), David Llaveria Godoy (isardSAT), Stephanie Urien (isardSAT), Gorka Moyano (isardSAT), Francesco Nencioli (CLS), Salvatore Dinardo (EUMETSAT), Carolina Nogueira Loddo (EUMETSAT)

**IPM2026_003 -** New features in the SPP chain for improving ocean characterization from Sentinel-3 and Sentinel-6 mission data

Oriane Gassot (CLS), Laetitia Rodet (CLS), Marta Alves (CLS), Thomas Moreau (CLS), Claire Maraldi (CNES), Lionel Zawadzki (CNES), Nicolas Picot (CNES)

## Instrument Processing: Propagation, Wind Speed and Sea State Bias

**Session chairs:** Shannon Brown, Estelle Obligis

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**IPC2026_001 -** Improving Sea State Bias Corrections for Envisat Altimetry within the FDR4ALT Reprocessing Framework

Ngan Tran (CLS), Hélène Roinard (CLS), Kassem Asfour (CLS), Filomena Catapano (ESA-ESRIN), Pierre Féménias (ESA-ESRIN)

**IPC2026_002 -** Consistent sigma0 records across multiple missions:  Implications for Wind Speed records

Graham Quartly (Plymouth Marine Laboratory), David Moffat (Plymouth Marine Laboratory), Guillaume Dodet (Ifremer)

**IPC2026_003 -** A Decade of Sentinel 3 Microwave Radiometer Monitoring: Ensuring Long Term Quality of Wet Tropospheric Corrections

Hélène Roinard (CLS), Alexis Saint Georges-Chaumet (CLS), Thibault Pirotte (CLS), Laiba Amarouche (CLS), Jeremie Aublanc (CLS), Francesco Nencioli (CLS), Anouk Chamayou (CLS), Marco Restano (ATG-EUROPE for ESA ESRIN), Filomena Catapano (ESA/ESRIN), Alessandro Di Bella (ESA/ESRIN), Salvatore Dinardo (EUMETSAT), Carolina Nogueira Loddo  (EUMETSAT), Bruno Lucas (EUMETSAT)

## Others

**Session chairs:** Pascal Bonnefond, Alejandro Egido, Severine Fournier, Eric Leuliette, Remko Scharroo, Josh Willis

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**OTH2026_001 -** Contribution of oceans to global Earth's dynamics

Robin Paniagua (Observatoire de Paris - LTE), Robin  Paniagua (Observatoire de Paris - LTE), Christian Bizouard (Observatoire de Paris - LTE), Pascal Bonnefond (Observatoire de Paris - LTE), Romain Bourdalle-Badie (Mercator Ocean)

**OTH2026_002 -** Uncertainty modeling and performance analysis of a multi-frequency altimeter for the Next-Generation Sentinel-6 mission

Alba Granados (isardSAT, S.L, Doctor Trueta, Barcelona, 08042, Barcelona, Catalonia), Ollie Holmes (isardSAT, S.L, Surrey Research Park, 40 Occam Road, Guilford, Surrey GU2 7YG), Xavier Loizeau (National Physical Laboratory, Hampton Road, Teddington, TW11 0LW), Alexa Putnam (National Physical Laboratory, Hampton Road, Teddington, TW11 0LW), Chris Ray (isardSAT, S.L, Doctor Trueta, Barcelona, 08042, Barcelona), Alejandro Egido (ESTEC, European Space Agency, Noordwijk, 2201 AZ)

# Outreach, Education and Altimetric Data Services

**Session chairs:** Hayley Evers-King, Celia Ou, Vinca Rosmorduc, Margaret Srinivasan

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**ODS2026_001 -** CTOH studies for extending the range of altimetry applications over the ocean and continental surfaces

Fabien Blarel (CNRS/LEGOS/CTOH), Sylvain Biancamaria (LEGOS), Florence Birol (LEGOS), Malik Boussaroque (Hydro-Matters), Mathilde Cancet (LEGOS), Lancelot Leclercq (LEGOS), Fabien Léger (LEGOS), Fernando Niño (LEGOS), Fabrice Papa (LEGOS), Louise Rousselet (LEGOS), Léna Tolu (LEGOS)

**ODS2026_002 -** Still improving the ERS-1, ERS-2 and ENVISAT altimeter and radiometer historical datasets: Towards a new version of the FDR4ALT products

Emeline Cadier (CLS), Fanny Piras (CLS), Jérémie Aublanc (CLS), Malcolm McMillan (Lancaster University), Jeremy Guilhen (CLS), Beatriz Calmettes (CLS), Franck Fell (Informus), Bruno Picard (Fluctus), Hélène Roinard (CLS), Fernando Niño (IRD LEGOS), Ngan Tran (CLS), Sajedeh Behnia (NPL), Emma Woolliams (NPL), Annabelle Ollivier (CLS), Adrien Nigou (CLS), Kassem Asfour (CLS), Pablo Garcia (ISARDSAT), Joana Fernandes (Porto University), Telmo Vieira (Porto University), Michiel Otten (Positim), Tim Springer (Positim), Ergane Fouchet (Noveltis), Pierre Thibaut (CLS), Filomena Catapano (ESA)

**ODS2026_003 -** Aviso-Calval : A Dedicated calval visualisation portal to explore new SWOT and CFOSAT products within Ocean Virtual Lab multi-modal context.

Lucile Gaultier (OceanDataLab), Fabrice Collard (OceanDataLab), Ziad El Khoury Hanna (OceanDataLab), Gilles Guitton (OceanDataLab), Sylvain Herlédan (OceanDataLab), Guillaume LeSéach (OceanDataLab), Yann Miel (OceanDataLab)

**ODS2026_004 -** CNES AVISO tools and services for satellite altimetry applications

Cyril Germineaud (CNES), Robin Chevrier (CLS), Anne-Sophie Tonneau (CLS/CELAD)

**ODS2026_005 -** CTOH Coastal Altimetry Products: From Legacy 1 Hz Altimetry Product to a Virtual Station Network

Fabien Leger (LEGOS, University of Toulouse, IRD, CNES, CNRS, UPS), Lancelot Leclercq (LEGOS, University of Toulouse, IRD, CNES, CNRS, UPS), Florence Birol (LEGOS, University of Toulouse, IRD, CNES, CNRS), Anny Cazenave (LEGOS, University of Toulouse, IRD, CNES, CNRS), Léna Tolu (LEGOS, University of Toulouse, IRD, CNES, CNRS), Fernando Niño (LEGOS, University of Toulouse, IRD, CNES, CNRS), Mathilde Cancet (LEGOS, University of Toulouse, IRD, CNES, CNRS)

**ODS2026_006 -** Recent developments in user support and training materials for EUMETSAT Altimetry Missions

Ben Loveday (EUMETSAT / Innoflair UG), Hayley Evers-King (EUMETSAT), Vinca Rosmorduc (CLS), Joana Brito (EUMETSAT / Innoflair UG)

**ODS2026_007 -** Copernicus Altimetry Products Performance Reporting: Transparency, Monitoring, and User Feedback

Carolina Nogueira Loddo (EUMETSAT), Remko Scharroo (EUMETSAT), Bruno Lucas (EUMETSAT), Salvatore Dinardo (EUMETSAT), Clement Lacrouts (CS Group (EUMETSAT)), Flavia Lenti (CS Group (EUMETSAT)), Hassan Farahani (CS Group (EUMETSAT)), Francesco Nencioli (CLS), Matthias Raynal (CNES), Francois Bignalet-Cazalet (CNES)

**ODS2026_008 -** A Unified Framework for Next-Generation Sea Surface Height Mapping

Cimarron Wortham (NorthWest Research Associates), Jeffrey J. Early (NorthWest Research Associates), Jonathan M. Lilly (Planetary Science Institute)

**ODS2026_009 -** NASA-SSH: A Suite of New Sea Level Products from NASA

Josh Willis (JPL), Severine Fournier (JPL), Kevin Marlis (JPL), Emmy Killett (JPL), Brian Beckley (NASA-GSFC)

# Precision Orbit Determination

**Session chairs:** Alex Conrad, Alexandre Couhert, Carlos Fernández Martín, Frank Lemoine

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**POD2026_001 -** SWOT orbit: parameters, standard and modelling updates

Suzanne Blondel (CNES), Flavien Mercier (CNES), John Moyard (CNES), Alexandre Couhert (CNES), Sabine Houry (CNES)

**POD2026_002 -** GPS-Based Precise Orbit Determination of the SWOT Satellite Three Years After Launch

Shailen Desai (Jet Propulsion Laboratory), Alex Conrad (Jet Propulsion Laboratory), Bruce Haines (Jet Propulsion Laboratory)

**POD2026_003 -** International Combination Service for Time-Variable Gravity Fields (COST-G) – Overview of Current Activities and Future Perspectives

Adrian Jäggi (University of Bern), Ulrich Meyer (University of Bern), Martin Lasser (University of Bern), Dahle Christoph (GFZ Helmholtz Centre for Geosciences), Frank Flechtner (GFZ Helmholtz Centre for Geosciences), Eva Boergens (GFZ Helmholtz Centre for Geosciences), Felix Öhlinger (TU Graz), Torsten Mayer-Gürr (TU Graz), Jean-Michel Lemoine (CNES), Igor Koch (University Hannover), Stéphane Bourgogne (Stellar Space Studies), João de Teixeira da Encarnação (TU Delft), Heike Peter (PosiTim UG), Hao Zhou (Huazhong University of Science and Technology), Qiujie Chen (Tongji University), Wei Feng (Sun Yat-sen University)

**POD2026_004 -** Sentinel-6 radiation modelling for POD based on 3-D CAD model

Sonia Lara Espinosa (GMV), Carlos Fernández Martín (GMV), Heike Peter (Positim), Muriel Pinheiro (ESA ESRIN), Francisco Sancho (EUMETSAT)

**POD2026_005 -** SLR long-term range biases for non spherical LEOs

Ulrich Meyer (University of Bern, Astronomical Institute), Linda Geisser (AIUB, Uni Bern), Daniel Arnold (AIUB, Uni Bern), Rolf Dach (AIUB, Uni Bern), Adrian Jäggi (AIUB, Uni Bern), Luca Weinem (BKG Frankfurt), Kyriakos Balidakis (BKG Frankfurt), Daniela Thaller (BKG Frankfurt)

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

**Session chairs:** Pascal Bonnefond, Shailen Desai, Bruce Haines, Eric Leuliette, Lionel Zawadzki

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**CVL2026_001 -** Updates from the Harvest Experiment: New Results for the Sentinel-6 Missions
Bruce Haines (Jet Propulsion Laboratory), Shailen Desai (Jet Propulsion Laboratory, California Institute of Technology), Andy Wu (Jet Propulsion Laboratory, California Institute of Technology), Scott Stalin (NOAA Pacific Marine Environmental Laboratory)

**CVL2026_002 -** Precision GNSS Buoys for Complementing Cal/Val at Harvest
Andy Wu (Jet Propulsion Laboratory), Shailen Desai (Jet Propulsion Laboratory), Bruce Haines (Jet Propulsion Laboratory)

**CVL2026_003 -** A Calibration/Validation review of nadir altimeters' missions at the Corsica facilities
Pascal Bonnefond (Observatoire de Paris - LTE), Olivier Laurain (OCA/Geoazur), Nicolas Picot (CNES), Said Haouchine (CNES)

**CVL2026_004 -** Recent results of SWOT wide swath altimetry at the Corsica facilities
Pascal Bonnefond (Observatoire de Paris - LTE), Olivier Laurain (OCA/Geoazur), Nicolas Picot (CNES), Said Haouchine (CNES)

**CVL2026_005 -** Updated in situ validation results of satellite altimetry from the Bass Strait facility
Christopher Watson (University of Tasmania), Benoit Legresy (CSIRO), Jack Beardsley (Integrated Marine Observing System)

**CVL2026_006 -** SWOT Validation Against Tide Gauge Observations in the Belt Sea
Saskia Esselborn (GFZ Helmholtz Centre for Geosciences), Jeffrey Giddens (TU Berlin), Tilo Schöne (GFZ Helmholtz Centre for Geosciences)

**CVL2026_007 -** Sea Level Stability Monitoring from the NOAA
Eric Leuliette (NOAA), Amanda Plagge (GST, Inc./NOAA)

**CVL2026_008 -** The Permanent Service for Mean Sea Level's (PSMSL) global mean sea level dataset
Chanmi Kim (National Oceanography Centre), Andrew Matthews (National Oceanography Centre), Elizabeth Bradshaw (National Oceanography Centre)

**CVL2026_009 -** CryoSat long-term ocean data analysis and validation: assessing the Baseline-D ocean product
Marc Naeije (TUDelft), Ernst Schrama (TU Delft), Michele Scagliola (ESA/ESRIN), Alessandro Di Bella (ESA/ESRIN)

**CVL2026_010 -** Global Ocean Data Quality Assessment of SARAL/AltiKa's GDR products
Sabine Philipps (CLS), Nathan Kientz (ALTEN), Pierre Prandi (CLS), Cyrille Boulanger (CNES), François Bignalet-Cazalet (CNES)

**CVL2026_011 -** Assessment of JPL and GSFC orbits for Sea Level Anomaly of TOPEX, Jason, Sentinel-6 missions
Sabine Philipps (CLS), Pierre Prandi (CLS), François Bignalet-Cazalet (CNES)

**CVL2026_012 -** Global Ocean Data Quality Assessment of Jason-3's GDR products
Benjamin Flamant (CLS), Jérôme Coquelin (CLS), Pierre Prandi (CLS), Cyrille Boulanger (CNES), François Bignalet-Cazalet (CNES)

**CVL2026_013 -** Improving the small waves measurements over Jason-3 mission
Benjamin Flamant (CLS), Marielle Guibbaud (CLS), Thomas Moreau (CLS), Laïba Amarouche (CLS), François Bignalet-Cazalet (CNES), Cyrille Boulanger (CNES)

**CVL2026_014 -** Latest evolution of Sentinel-3 baseline collection 006: performance assessment over open ocean
Lucia Rinchiuso (CLS), Francesco Nencioli (CLS), Bruno Lucas (EUMETSAT), Salvatore Dinardo (EUMETSAT), Carolina Nogueira Loddo (EUMETSAT)

**CVL2026_015 -** Sentinel-3 Next Generation Topography Mission Performance and Uncertainty Assessment (S3NGT-MPUA)
Noémie Lalau (Magellium), Vaujour Thomas (Magellium), Michaël Ablain (Magellium), Clement Ubelmann (DATLAS), Lucile Gaultier (ODL), Fabrice Collard (ODL), Maxime Vayre (CLS), Julien Renou (CLS), Nicolas Taburet (CLS), Sajedeh Behnia (NPL), Emma Woolliams (NPL), Frédéric Nouguier (Ifremer), Louise Yu (CNES), François Boy (CNES), Alejandro Egido (ESA/ESTEC)

**CVL2026_016 -** Toward More Reliable Long-Term model Ionospheric Corrections for Sea Level Altimetry

Cecile Kocha (celad), Pierre Prandi (CLS), Francois Bignalet-Cazalet (CNES), Gerald Dibarboure (CNES)

**CVL2026_017 -** Assessing the use of on-board calibration to unbias the sigma0 estimated by Jason-1, Jason-2 and Jason-3 missions on SSB and GMSL

Victor Quet (CLS Group (Collecte Localisation Satellites)), Benjamin Flamant (CLS Group (Collecte Localisation Satellites)), Marta Alves (CLS Group (Collecte Localisation Satellites)), Fanny Piras (CLS Group (Collecte Localisation Satellites)), Pierre Prandi (CLS Group (Collecte Localisation Satellites)), François Bignalet-Cazalet (CNES), Claire Maraldi (CNES), Nicolas Cuvillon (CNES), Alexandre Guerin (CNES)

**CVL2026_018 -** A comparison of Sea State CCI Sentinel-1 wave products to SWOT wave data

Ian Dougal Lichtman (National Oceanography Centre), Chris Banks (National Oceanography Centre), Ben Timmermans (National Oceanography Centre)

**CVL2026_019 -** Refined altimeter calibration reveals stronger trends in global wave climate

Guillaume Dodet (IFREMER), Ben Timmermans (NOC), Jean-François Piolle (IFREMER), Fabrice Ardhuin (CNRS), Marcello Passaro (TUM)

**CVL2026_020 -** The AdaC (Adaptive Campaign) service: a near-real-time analysis of multi satellite products to support in situ sampling strategies during oceanographic cruises.

Louise Rousselet (Univ Toulouse, LEGOS)

**CVL2026_022 -** Assessment of the Sentinel-6 extension to the TOPEX/Jason Sea Surface Height Climate Data Record

Brian Beckley (ERT Inc./NASA GSFC), Frank Lemoine (NASA GSFC), Nikita Zelensky (University of Maryland), Richard Ray (NASA GSFC), Michael Croteau (NASA GSFC), Gary Mitchum (University of South Florida)

## Science I: Quantifying and Understanding Regional and Global Sea Level variability, trend and acceleration

**Session chairs:** Marie Bouih, Benjamin Hamlington, Benoit Meyssignac

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**SC12026_001 -** Investigating the Mechanisms of Sea Level Change Using 30+ Years of Satellite Altimetry and the ECCO Ocean State Estimate

Ichiro Fukumori (Jet Propulsion Laboratory), Natalie Stamper (University of South Carolina), Subrahmanyam Bulusu (University of South Carolina)

**SC12026_002 -** Exploring the Impact of Thermosteric Sea Level Rise and Oceanographic Regime Changes in the Northern Bay of Bengal: A 30-Year Satellite Altimetry and Climate Study (1993–2023)

Rafiqul Alam Imtiaj (University of Chittagong), Sanjida Hoque Siddika (University of Chittagong), Mohammed Jashimuddin (University of Chittagong), Shamim Ahmed (Swedish University of Agricultural Sciences)

**SC12026_003 -** Applications of Satellite Altimetry for Climate Monitoring and Water Resource Management in East Africa

Haitham Khogly (Sudan Meteorological Authority)

**SC12026_004 -** Ocean mass changes from the lower degree harmonics of the GRACE/GFO monthly gravity fields

Per Knudsen (DTU Space), Ole Andersen (DTU Space)

**SC12026_005 -** Which are the drivers of the sea level anomaly trends in the Southwestern Atlantic Continental Shelf?

Laura Ruiz Etcheverry (CIMA/CONICET-UBA), Melina Rios (no institutional affiliation), Moira Luz Clara (INIDEP/IIMYC-CONICET)

**SC12026_006 -** Integrating Internal Climate Variability Into Coastal Adaptation Pathways

Philip Thompson (University of Hawaii), Sloan Coats (University of Hawaii)

## Science II: Large Scale Ocean Circulation Variability and Change

**Session chairs:** Leon Chafik, Weiqing Han

*No poster has been designated for this session.*

# Science III: Mesoscale and sub-mesoscale oceanography

**Session chairs:** Heather Roman-Stork, Clément Ubelmann, Jinbo Wang

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**SC32026_001 -** New Monitoring Capabilities for High-Frequency Coastally Trapped Waves from Satellite Altimetry

Marcello Passaro (DGFI-TUM), Léa Poli (Mercator Ocean International), Camila Artana (Laboratoire LOCEAN-IPSL, CNRS, IRD, MNHN, Sorbonne Universités), Christine Provost (Laboratoire LOCEAN-IPSL, CNRS, IRD, MNHN, Sorbonne Universités), Alba Le Dissez (Centre National de Recherches Météorologiques, Toulouse)

**SC32026_002 -** Coastal sea level and current variability off the eastern Newfoundland coast from SWOT daily measurements

Guoqi Han (Fisheries and Oceans Canada), Nancy Chen (Fisheries and Oceans Canada), Frederic Cyr (Memorial University of Newfoundland)

**SC32026_003 -** Machine Learning–Based Detection of Mesoscale and Submesoscale Ocean Fronts in the Gulf of Mexico Using Altimetry

Subrahmanyam Bulusu (University of South Carolina), Ethan Cruz (University of South Carolina)

**SC32026_004 -** Cross-frontal exchanges driven by a Polar Front eddy dipole in the ACC from SWOT, in situ observations, and high-resolution modelling

Yann-Treden Tranchant (University of Tasmania), Benoit Legresy (CSIRO), Annie Foppert (University of Tasmania), Phillips Helen (University of Tasmania), Bea Pena-Molino (CSIRO), Darren Engwirda (CSIRO), Clothilde Langlais (CSIRO), Lou Byrnes (University of Tasmania)

**SC32026_005 -** SWOT as a tool to evaluate pathway of ocean heat to Antarctic continental shelf and into ice shelf cavities.

Benoit Legresy (CSIRO and Australian Antarctic Program Partnership), Monica NELSON (Australian Antarctic Program Partnership, University of Tasmania), Bea PENA MOLINO (CSIRO and Australian Antarctic Program Partnership), Yann-Treden TRANCHANT (Australian Antarctic Program Partnership, University of Tasmania), Laura HERRAIZ BORREGUERO (CSIRO and Australian Antarctic Program Partnership), Maxime NIKURASHIN (University of Tasmania and Australian Antarctic Program Partnership), Yuhang LIU (University of Tasmania and Australian Antarctic Program Partnership)

**SC32026_006 -** Capturing shelf-open ocean water exchanges through Lagrangian experiment on the northern Patagonia continental shelf

Laura Ruiz Etcheverry (CIMA/CONICET-UBA), Martin Saraceno (CIMA/CONICET-UBA), Melina Martinez (CIMA/CONICET-UBA), Maristella Berta (CNR-ISMAR), Ornella Silvestri (Servicio de Hidrografía Naval)

**SC32026_007 -** New Description of the Fine scale dynamics around Fernando de Noronha and Rocas Atoll provided by SWOT

Diogenes Fontenele Passos (FUNCEME), Fabrice Hernandez (IRD), Antonio Geraldo Ferreira (Federal University of Ceara), Eduardo Savio Martins (FUNCEME)

**SC32026_008 -** The ESA Freshwater for Biology (FRESH4BIO) project – High-resolution eddy monitoring in the East Greenland Current

Ole Baltazar Andersen (Professor), Sara N Jensen (DTU Space), Fresh4Bio Team (https://fresh4bio.dtu.dk/)

**SC32026_009 -** MUNSTER Eddy Tracking and its Applications for Biogeochemical Analysis in Response to Gulf Hurricanes

Heather Roman-Stork (NOAA/GST)

**SC32026_010 -** META4-Networks: a new mesoscale eddy network atlas derived from altimetry

Juliette Gamot (Collecte Localisation Satellite (CLS)), Antoine Delepoulle (Datlas), Francesco Nencioli (Collecte Localisation Satellite (CLS)), Marie-Isabelle Pujol (Collecte Localisation Satellite (CLS)), Gérald Dibarboure (CNES)

**SC32026_011 -** From Sparse Satellite Observations to Gap-Free Kilometre-Scale Ocean Dynamics using Deep Learning

Aina Gaya Avila (Technical University of Munich), Marcello Passaro (Deutsches Geodätisches Forschungsinstitut (DGFI-TUM), Technical University of Munich), Zhu Xiaoxiang (Technical University of Munich), Bamber Jonathan (University of Bristol)

# Science IV: Altimetry for Cryosphere and Hydrological Studies

**Session chairs:** Jérôme Bouffard, Jean-Francois Crétaux, Sinead Farrell, Karina Nielsen

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**SC42026_001 -** High-Latitude Lake and River Dynamics

Charon Birkett (NASA/GSFC), Martina Ricko (KBR), Hunter Yang (KBR)

**SC42026_002 -** Defining the Measurand for the Arctic Freshwater Budget: A Metrological Approach within ArcFresh

Emma Woolliams (National Physical Laboratory), Nicole Reynolds (National Physical Laboratory), Thomas Erni (National Physical Laboratory), Ole Andersen (Technical University of Denmark)

**SC42026_003 -** A better eye on polar oceans: enhanced Sentinel-3 performance with the new Baseline Collection BC006

Lucia Rinchiuso (CLS), Francesco Nencioli (CLS), Bruno Lucas (EUMETSAT), Salvatore Dinardo (EUMETSAT), Carolina Nogueira Loddo (EUMETSAT)

**SC42026_004 -** Sensitivity of Modeled CryoSat-2 Waveforms to Meter-Scale Topography of the Arctic Sea Ice

Shiming Xu (Tsinghua University)

**SC42026_005 -** Exploring sea ice drift and concentration using SWOT HR data

Margaux Rivollet (CLS), Laetitia Rodet (CLS), Thomas Moreau (CLS), Sara Fleury (LEGOS), Gwenael Jestin (LEGOS), Matthias Raynal (CNES), François Boy (CNES)

**SC42026_006 -** Overview of CRISTALair's Functional Flight Campaign Data

Valeria Gracheva (ESA), Michele Scagliola (ESA), Paolo Cipollini (ESA), Thomas Goetz (ESA), Ferran Gibert (isardSAT), Clara Colet (isardSAT), Ester Vendrell (isardSAT), Filippo Speziali (Metasensing), Henriette Skourup (DTU), Sebastian Bjerregaard Simonsen (DTU)

**SC42026_007 -** CRISTALair: calibration approach and performances achieved during qualification flights

Clara Colet Díaz (isardSAT SL), Ferran Gibert (isardSAT SL), Bernat Descalzi (isardSAT SL), Ester Vendrell (isardSAT SL), Albert Garcia-Mondéjar (isardSAT SL), Mònica Roca (isardSAT SL), Henriette Skourup (Technical University of Denmark), Sebastian Bjerregaard Simonsen (Technical University of Denmark), Filippo Speziali (MetaSensing), Giuseppe Inchingolo (MetaSensing), Fabio Maria Torrente (MetaSensing), Geremia Di Massa (MetaSensing), Dario Meledandri (MetaSensing), Adriano Meta (MetaSensing), Michele Scagliola (ESA-ESRIN), Paolo Cipollini (ESA-ESTEC), Valeria Gracheva (ESA-ESTEC)

**SC42026_008 -** CRISTALair: the airborne demonstrator for the future CRISTAL mission

Ferran Gibert (isardSAT SL), Clara Colet (isardSAT SL), Bernat Descalzi (isardSAT SL), Albert Garcia-Mondéjar (isardSAT SL), Ester Vendrell (isardSAT SL), Mònica Roca i Aparici (isardSAT SL), Henriette Skourup (Technical University of Denmark), Sebastian Bjerregaard Simonsen (Technical University of Denmark), Filippo Speziali (Metasensing), Massimo Testa (Metasensing), Giuseppe Inchingolo (Metasensing), Fabio Maria Torrente (Metasensing), Geremia Di Massa (Metasensing), Dario Meledandri (Metasensing), Adriano Meta (Metasensing), Michele Scagliola (RHEA / ESA-ESRIN), Paolo Cipollini (ESA-ESTEC), Valeria Gracheva (ESA-ESTEC)

**SC42026_009 -** The laser scanner onboard CRISTALair: calibration and flight demonstration

Bernat Descalzi Marron (isardSAT SL), Ferran Gibert (isardSAT SL), Clara Colet (isardSAT SL), Albert Garcia-Mondéjar (isardSAT SL), Mònica Roca (isardSAT SL), Martina Gallego (Technical University of Denmark), Henriette Skourup (Technical University of Denmark), Sebastian Bjerregaard Simonsen (Technical University of Denmark), Michele Scagliola (RHEA / ESA-ESRIN), Paolo Cipollini (ESA-ESTEC), Valeria Gracheva (ESA-ESTEC)

**SC42026_010 -** CryoSat mission status: products, science, and future evolutions

Michele Scagliola (European Space Agency), Alessandro Di Bella (European Space Agency), Tommaso Parrinello (European Space Agency)

**SC42026_011 -** On the benefits of SWOT PIXC products and flags for lakes monitoring

Pierre Fabry (CS-SOPRASTERIA), Benjamin TARDY (CS-SOPRASTERIA)

**SC42026_012 -** Radiometer and altimeter synergies onboard Sentinel-3: neural network approaches to estimate Sea Ice Concentration and Snow Depth accurately

Alexis Saint Georges-Chaumet (CLS), Antoine Feufeu (CLS), Laïba Amarouche (CLS), Sara Fleury (LEGOS), Alessandro Di Bella (ESA/ESRIN), Michele Scagliola (ESA/ESRIN), Franck Borde (ESA/ESTEC)

**SC42026_013 -** Enhancing ice sheet topography retrieval from LRM and SAR altimetry using facet-based numerical simulation

Jérémie Aublanc (CLS), Etienne Ferrer (CLS), Francois Boy (CNES), Carlos Yanez (CNES), Stine Kildegaard Rose (DTU), Sebastian Bjerregaard Simonsen (DTU), Malcolm McMillan (Lancaster University), Karla Boxall (Lancaster University), Jennifer Maddalena (Lancaster University), Alessandro Di Bella (ESA/ESRIN), Filomena Catapano (ESA/ESRIN), Franck Borde (ESA/ESTEC)

**SC42026_014 -** Systematic error correction (and associated uncertainties) for wide swath altimetry: the nuts and bolts of SWOT KaRIn's crossover calibration

Étienne Jussiau (CLS), Benjamin Flamant (CLS), Pierre Prandi (CLS), Matthias Raynal (CNES), Cécile Anadon (CLS), Clément Ubelmann (Datlas), Gérald Dibarboure (CNES)

**SC42026_015 -** SWOT KaRIn Sea Ice Detection Across Resolutions

Francesco Nencioli (CLS), Etienne Jussiau (CLS), Nicolas Dejax (CELAD), Anaëlle Treboutte (CLS), François Boy (CNES), Gwenael Jestin (LEGOS), Sara Fleury (LEGOS), Margaux Rivollet (CLS), Laetitia Rodet (CLS), Matthias Raynal (CNES)

**SC42026_016 -** Sentinel-3 Global Ocean Products - Improvements for Polar Ocean

Bruno Lucas (EUMETSAT), Salvatore Dinardo (EUMETSAT), Carolina Nogueira Loddo (EUMETSAT), Hassan F. Farahani (CS Group), Flavia Lenti (CS Group)

**SC42026_017 -** Sea ice gridded products from SWOT using a variational reconstruction framework

Sammy Metref (Datlas, Grenoble), Pierre Rampal (Institut des Géosciences de l'Environnement, CNRS / Université Grenoble Alpes / INRAE / IRD / Grenoble INP, Grenoble), Sara Fleury (Laboratoire d'Études en Géophysique et Océanographie Spatiales, CNES / CNRS / IRD / Université Toulouse III – Paul Sabatier, Toulouse), Florian Le Guillou (Datlas, Grenoble), Clément Ubelmann (Datlas, Grenoble), Gwenaël Jestin (Laboratoire d'Études en Géophysique et Océanographie Spatiales, CNES / CNRS / IRD / Université Toulouse III – Paul Sabatier, Toulouse)

**SC42026_018 -** Comparing drone-based altimetry measurements against SWOT and Sentinel 6 Fully Focused SAR data

Lucas López (IsardSAT), Maria José Escorihuela (IsardSAT), Mónica Roca (IsardSAT), Ferran Gibert (IsardSAT), Sergi Hernández (IsardSAT), Adrià Gómez (IsardSAT), Holmes Ollie (IsardSAT), Angelica Tarpanelli (CNR), David Gustafsson (SMHI), Markus Disse (TUM), Peter Bauer-Gottwein (DTU)

**SC42026_019 -** Measurements of Dynamic Ocean Topography in Seasonally Ice-Covered Waters with Release 7 ATL12, Release 4 ATL19, and Release 2 ATL23

James Morison (Polar Science Center, University of Washington), Suzanne Dickinson (Polar Science Center, University of Washington), John Robbins (Goddard Space Flight Center), David Hancock (Goddard Space Flight Center), Jeff Lee (Goddard Space Flight Center), Matt Johnson (Goddard Space Flight Center)

## Synergies between Argo, GRACE and Altimetry

**Session chairs:** William Llovel, Nathalie Zilberman

**Mon, Jun 22 2026, 18:00 - 19:30 - Terrassensaal A+B**

**Wed, Jun 24 2026, 11:00 - 12:30 - Terrassensaal A+B**

**Thu, Jun 25 2026, 14:00 - 15:45 - Terrassensaal A+B**

**ARG2026_001 -** Arctic sea-level budget assessment

Fabio Mangini (NERSC), Antonio Boanduce (NERSC), Roshin Raj (NERSC)

**ARG2026_002 -** Reconstruction of temperature and salinity profiles in the Northwestern Pacific using satellite SSH and ARGO float data

Osamu Isoguchi (Remote Sensing Technology Center of Japan), Kai Matsui (JAXA)

**ARG2026_003 -** First Assessment of Steric Height in Southwestern Atlantic Mesoscale Structures: Integrating In Situ Observations, Satellite Altimetry, and Ocean Reanalysis

Melina M Martinez (Universidad de Buenos Aires - CIMA/CONICET ), Laura Ruiz-Etcheverry (CIMA/CONICET - UBA), Martin Saraceno (Universidad de Buenos Aires)

# The Geoid, Mean Sea Surfaces and Mean Dynamic Topography

**Session chairs:** Ole B. Andersen, Marie-Isabelle Pujol

**Mon, Jun 22 2026, 18:00 - 19:30 - Terrassensaal A+B**

**Wed, Jun 24 2026, 11:00 - 12:30 - Terrassensaal A+B**

**Thu, Jun 25 2026, 14:00 - 15:45 - Terrassensaal A+B**

**GEO2026_001 -** Assessing the impact of assimilating a new Mean Dynamic Topography in the Copernicus Marine Service global 1/12° analysis and forecasting system

Mounir Benkiran (Mercator Ocean International), Jean-Michel lellouche (Mercator Ocean International), Elisabeth Rémy (Mercator Ocean International), Pierre-Yves Le Traon (Mercator Ocean International)

**GEO2026_002 -** Deep Argo improves the accuracy and resolution of ocean bathymetry

Nathalie Zilberman (Scripps Institution of Oceanography, UCSD), Megan Scanderbeg (Scripps Institution of Oceanography, UCSD), Kevin Balem (Univ Brest, CNRS, Ifremer, IRD, Laboratoire d'Océanographie Physique et Spatiale (LOPS)), Thierry Schmitt (French Hydrographic and Oceanographic Service (SHOM)), Pauline Weatherall (British Oceanographic Data Centre (BODC), National Oceanography Centre (NOC)), Virginie Thierry (Univ Brest, CNRS, Ifremer, IRD, Laboratoire d'Océanographie Physique et Spatiale (LOPS)), Esmee Van Wijk (Australian Antarctic Program Partnership, Institute for Marine and Antarctic Studies, CSIRO), Shigeki Hosoda (Japan Agency for Marine-Earth Science and Technology), Kanako Sato (Japan Agency for Marine-Earth Science and Technology), Zhaohui Chen (Ocean University of China), David Sandwell (Scripps Institution of Oceanography, UCSD)

**GEO2026_003 -** The mean dynamic topography model DTU26MDT

Per Knudsen (DTU Space), Ole Andersen (DTU Space), Bjarke Nilsson (DTU Space)

**GEO2026_004 -** Towards the next mean dynamic topography combination model DTUUH26MDT

Per Knudsen (DTU Space), Ole Andersen (DTU Space), Nikolai Maximenko (University of Hawaii), Jan Hafner (University of Hawaii)

# Tides, internal tides and high-frequency processes

**Session chairs:** Loren Carrere, Florent Lyard, Richard Ray

**Mon, Jun 22 2026, 18:00 - 19:30 - Terrassensaal A+B**

**Wed, Jun 24 2026, 11:00 - 12:30 - Terrassensaal A+B**

**Thu, Jun 25 2026, 14:00 - 15:45 - Terrassensaal A+B**

**TID2026_001 -** Tides and Hazards in Greenland – The EO4Hazard project

Ole Baltazar Andersen (Professor), Rasmus L. Arildsen (DTU Space), Mathilde Dugoni (DTU Space), Mikkel Bojesen (DHI Water, Hørsholm), Niels H. Broge (DHI Water, Hørsholm), Lisbeth T Nielsen (DHI Water, Hørsholm), Karl Zinglersen (Pinngortitaleriffik, Greenland Institute of Natural resources), Aqqaluk Sørensen (Pinngortitaleriffik, Greenland Institute of Natural resources)

**TID2026_002 -** A High-Resolution Tiled Framework for Global Tidal Hydrodynamic Modeling

Cheryl Ann Blain (Naval Research Laboratory), Scott Smith (Naval Research Laboratory, Stennis Space Center, MS), Kate Tremblay (Peraton, Stennis Space Center, MS), Jason OteroTorres (National Geospatial-Intelligence Agency, Springfield, VA ), Kurtis Redding (Naval Oceanographic Office, Stennis Space Center, MS )

**TID2026_003 -** Improvement of the Dynamic Atmospheric Correction though resolution increase and tidal coupling

Loren Carrere (CLS), Florent Lyard (LEGOS/CNRS), Cécile Béchonnet (CLS), Mei-Ling Dabat (CLS), Gérald Dibarboure (CNES)

**TID2026_004 -** Use of new baroclinic tide models to improve the correction of internal tides in SWOT and nadir altimeter data

Loren Carrere (CLS), Michel Tchilibou (CLS), Mei-Ling Dabat (CLS), Florent Lyard (LEGOS/CNRS), Clément Ubelmann (DATLAS), Gérald Dibarboure (CNES)

**TID2026_005 -** Tide gauges to inform global ocean tide models

Michael Hart-Davis (DGFI-TUM), Roman Sulzbach (GFZ Helmholtz Centre for Geosciences, Telegrafenberg, Potsdam), Stefan Talke (Department of Civil and Environmental Engineering, California Polytechnic State University, San Luis Obispo, California), Ivan Haigh (National Centre for Integrated Coastal Research and Dept. of Civil, Environmental and Construction Engineering, University of Central Florida), Marta Marcos (IMEDEA (UIB-CSIC), Esporles, Balearic Islands), Phil Woodworth (National Oceanography Centre, Liverpool), Richard Ray (NASA Goddard Space Flight Center, Greenbelt, MD), Ole Andersen (DTU Space, Technical University of Denmark, Kongens Lyngby), Florent Lyard (LEGOS, Université de Toulouse, CNES, CNRS, IRD, Toulouse), Ergane Fouchet (Mercator Ocean International, Toulouse), Denise Dettmering (Deutsches Geodätisches Forschungsinstitut, Technische Universität München), Maik Thomas (Institute for Meteorology, Freie Universität Berlin, Berlin), Florian Seitz (Deutsches Geodätisches Forschungsinstitut, Technische Universität München)

**TID2026_006 -** Beach-scale tidal variations observed from satellite-derived shoreline time series

Michael Hart-Davis (DGFI-TUM), Thomas Monahan (Oxford University ), Kilian Vos (OHB), Ole Andersen (DTU Space)

**TID2026_007 -** Lunar recession is likely affected by the warming of the Earth's oceans

Plombat Hugo (University of Michigan), Brian Arbic (University of Michigan), Dale Boggs (Jet Propulsion Laboratory), Richard Ray (Goddard Space Flight Center), Vishnu Viswanathan (Goddard Space Flight Center), James Williams (Jet Propulsion Laboratory), Dimitris Menemenlis (Moss Landing Marine Laboratories, San José State Univerisity), Michael Schindelegger (University of Bonn), Badarvada Yadidya (Florida State University)

**TID2026_008 -** Local tides in coastal areas determined by repeated GNSS observations on ferryboats

Kaoru Ichikawa (RIAM, Kyushu University), Xin Yi Wei (IGSES, Kyushu University)

**TID2026_009 -** Altimetry-derived ocean tides in the Arctic: a Foxe Basin case study

Thomas Monahan (University of Oxford), Michael Hart-Davis (Deutsches Geodätisches Forschungsinstitut der Technischen Universität München (DGFI-TUM), Munich), Roman Sulzbach (GFZ Helmholtz Centre for Geosciences), Ole Anderson (DTU Space, Technical University of Denmark, Kongens Lyngby)

**TID2026_010 -** Large tidal changes in the Yellow and East China Seas: altimeter observations and ocean model simulations

Richard Ray (NASA/GSFC), Bong-Gwan Kim (Seoul National University), Yang-Ki Cho (Seoul National University), Sok-Kuh Kang (Seoul National University), Yu-Kyeong Kang (Seoul National University)

**TID2026_011 -** The 18.6-year lunar nodal cycle in internal tides

Zhongxiang Zhao (University of Washington), Chenxuan Ji (Imperial College London), J. A. Mattias Green (Bangor University), Richard Ray (NASA Goddard Space Flight Center)

**TID2026_012 -** Towards the next-generation global barotropic tide model FES: improvements in polar and coastal regions

Chafih Skandrani (NOVELTIS), Florent Lyard (LEGOS), Louise Balmas (NOVELTIS), Daria Andrievskaia (NOVELTIS), Loren Carrere (CLS), Mahmoud El hajj (NOVELTIS), Gérald Dibarboure (CNES)

# Wind and Waves (including CFOSAT)

**Session chairs:** Lotfi Aouf, Danièle Hauser, Joanna Staneva, Doug Vandemark

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**CFO2026_001 -** Joint assimilation of directional wave spectra from CFOSAT, Sentinel-1, and SWOT-L3: improving forecasts of weather-driven long waves

Lotfi Aouf (Division Marine et Océanographie Météo-France, CNRM), Adrien Nigou (CLS), Ourania Altiparmaki (Technical University of Delft), Molero Beatriz (CLS), Jérome Lebreton (CS), Cédric Tourain (CNES), Romain Husson (CLS), Fabrice Collard (Ocean Data Lab)

**CFO2026_002 -** Monitoring of world ocean swells using combined CFOSAT SWIM, Sentinel-1 and SWOT Observations.

Fabrice Collard (OceanDataLab), gilles guitton (OceanDataLab), Romain Husson (CLS), Marine De Carlo (CLS)

**CFO2026_003 -** Improving altimetric Wave Observations: Uncertainty Metrics and Fine-Scale retrieval

Cecile Kocha (CLS), Alexandre Philip (CLS), Patricia Zunino (CLS), Adrien Nigou (CLS), Annabelle Ollivier (CLS), Cristina Martin-Puig (EUMETSAT), Deborah Hazan (CNES), Gerald Dibarboure (CNES)

**CFO2026_004 -** From Waves to Oceans: Assessing the Impact of MFWAM wave forcing Data on Physical and Biogeochemical Dynamics of GLO12 ocean system

Stéphane LAW CHUNE (MERCATOR OCEAN), Jean Michel Lellouche (Mercator-Océan), Julien Lamouroux (Mercator-Océan), Lotfi Aouf (Météo-France)

**CFO2026_005 -** Sentinel-3 updated Waves from the new "G62" baseline

Bruno Lucas (EUMETSAT), Salvatore Dinardo (EUMETSAT), Carolina Nogueira Loddo (EUMETSAT), Hassan F. Farahani (CS Group), Flavia Lenti (CS Group)

**CFO2026_006 -** Advances in SWOT KaRIn Level 3 Wind–Wave Processing: Multi Swell Spectrum Retrievals and Swath SWH

Beatriz MOLERO (CLS), Taina POSTEC (LOPS), Adrien NIGOU (CLS), Marine DE CARLO (CLS), Fabrice ARDHUIN (LOPS), Gerald DIBARBOURE (CNES), Robin CHEVRIER (CLS), Romain HUSSON (CLS), Alejandro BOHE (CNES), Cyril GERMINEAUD (CNES), Françoise MERTZ (CLS), Lea MAHLER (CLS)

**CFO2026_007 -** Evaluating the CMEMS multi-mission L4 spectral wave product during an extreme swell event: the case of Storm Eddie (December 2024)

Charikleia L.G. Oikonomou (Hellenic Centre for Marine Research), Aikaterini Tavri (Brown University )

**CFO2026_008 -** On the reliability of historic sea state reference observations from global moored buoys using recent long-term satellite observations produced by the ESA Sea State CCI consortium

Ben Timmermans (National Oceanography Centre), Ian Lichtman (National Oceanography Centre), Christopher Banks (National Oceanography Centre)

**CFO2026_009 -** Impact of 2D CFOSat wave spectra assimilation on short-term sea state predictions in the wave model WAM on regional scales

Rümeysa Yilmaz (Helmholtz-Zentrum Hereon), Marcel Ricker (Helmholtz-Zentrum Hereon), Johannes Schulz-Stellenfleth (Helmholtz-Zentrum Hereon), Lotfi Aouf (Météo-France - DirOP/MAR/RD, CNRM), Joanna Staneva (Helmholtz-Zentrum Hereon)

## Workshop on the Sentinel-6 Next Generation's orbit

**Session chairs:** Michael Ablain, Alexandre Couhert, Benoit Meyssignac, Detlef Stammer

*No poster has been designated for this session.*