2026 SWOT Science Team Meeting

Agenda

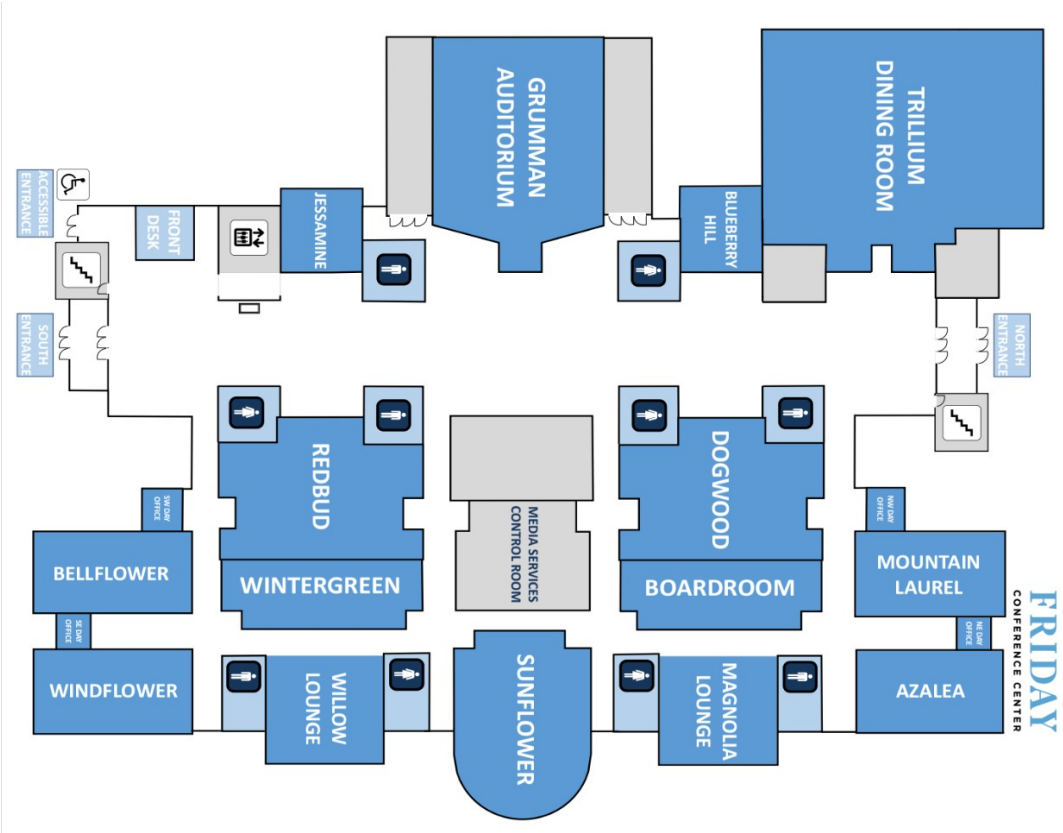
November 3–6, 2026: The Friday Conference Center, Chapel Hill, North Carolina

Week at a glance

Tue, Nov 3	Plenary: program and project updates, discipline briefings, panel, keynotes, Version D2 data products
Wed, Nov 4	Parallel working-group sessions (Oceanography, Hydrology, DEC/Cryosphere), poster session, dinner event
Thu, Nov 5	Parallel working-group sessions (Oceanography, Hydrology), poster session
Fri, Nov 6	Plenary: applications and partners, closing talks and next steps, closing lunch

Rooms

Plenary room	Grumman Auditorium
Dogwood	Oceanography working groups
Redbud	Hydrology working groups
Bellflower	Deltas, Estuaries & Coasts (DEC) and Cryosphere working groups (Wednesday)
Posters	Atrium



Tuesday, November 3 — Plenary

All sessions in the plenary room (Room: Grumman Auditorium).

Time	Speaker(s)	Title / Item
7:30–8:00	**Registration & Badge Pickup (Atrium)**	
8:00–10:00	**Project & Program Updates I**	**Chair: Tamlin Pavelsky**
8:00–8:05	Tamlin Pavelsky	Welcome and Logistics
8:05–8:30	Nadya Vinogradova-Shiffer, Delphine Leroux, Yannice Faugère	Program Updates
8:30–8:55	Christophe Marechal, Amit Sen	Project Updates
8:55–9:20	Tom Farrar, Francesco d'Ovidio	Oceanography Briefing
9:20–9:45	Hind Oubanas, Tamlin Pavelsky	Hydrology Briefing
9:45–10:00	Marc Simard, Imen Turki, Nadia Ayoub	Deltas, Estuaries, and Coasts Briefing
10:00–10:30	Break	
10:30–10:45	**Project & Program Updates II**	
10:30–10:45	Parag Vaze	JPL Update
10:45–12:00	**Panel: Emerging Space Tech for Water and Energy Observing**	
Moderator	Nadya Vinogradova-Shiffer	NASA
Panelist	Ben Hamlington	Blue Earth Systems
Panelist	Delphine Leroux	CNES
Panelist	Jean-Damien Desjonqueres	ESA
12:00–1:30	Lunch (Trillium Dining Room)	
1:30–3:00	**Keynote Addresses on SWOT**	**Chair: Francesco d'Ovidio**
1:30–1:55	Jonathan Flores	Observing Earth's hydropower resources with the SWOT mission
1:55–2:20	Daniel Scherer	Global analysis of tides in rivers with SWOT
2:20–2:40	Svenja Ryan	Submarine Canyon Circulation in the Mid-Atlantic Bight Revealed by SWOT
2:40–3:00	Ludivine Oruba	SWOT capabilities and perspective for atolls and reef lagoons
3:00–3:30	Break	
3:30–5:00	**Algorithms, Validation, and Data Products**	**Chair: Hind Oubanas**
3:30–3:45	Curtis Chen	Version D2: Status and Overview of Differences
3:45–3:55	Albert Chen, Alejandro Bohé	Version D2: LR Updates
3:55–4:05	Alexander Corben	Version D2: RefDEM Updates
4:05–4:10	Roger Fjørtoft	Version D2: Inclusion Mask Updates
4:10–4:30	Claire Pottier	Version D2: Lake Updates
4:30–5:00	*Discussion*	

Wednesday, November 4 — Working Groups

Three parallel tracks. Posters 5:00–6:00 PM; dinner event 6:00–9:00 PM. Session details and poster lists are in the Detailed Agenda below.

Time	Dogwood: Oceanography	Redbud: Hydrology	Bellflower: DEC / Cryosphere
8:30–10:00	HR Modeling	SLEW	DEC Session 1
10:00–10:30	*Break*		
10:30–12:00	Inversion / Assimilation	Global Modeling	DEC Session 2
12:00–1:30	*Lunch*		
1:30–3:00	Tides and Inertia-Gravity Waves	River Science	Cryosphere 1
3:00–3:30	*Break*		
3:30–5:00	Wind and Waves	Discharge (DAWG)	Cryosphere 2
5:00–6:00	**Poster Session W01–W33 (Atrium)**		
6:00–9:00	**Dinner Event (Trillium Dining Room)**		

5:00–6:00 PM: Poster Session (W01–W33)

Location: Atrium. Poster boards are 4 feet x 6 feet (~120 cm x 180 cm) and in landscape format.

6:00–9:00 PM: Dinner Event

Venue: Trillium Dining Room

Thursday, November 5 — Working Groups

Two parallel tracks; Bellflower is unscheduled. Lunch is 60 minutes today. Posters 4:00–5:00 PM. Session details and poster lists are in the Detailed Agenda below.

Time	Dogwood: Oceanography	Redbud: Hydrology	Bellflower
8:00–9:30	Regional Validation	SAVA I	Open
9:30–10:00	*Break*		
10:00–11:30	Mean Sea Surface (10:00–10:45); Oceanography Cross-Cutting (10:45–11:30)	SAVA II	Open
11:30–12:30	*Lunch*		
12:30–2:00	Velocities	Cross-Cutting I	Open
2:00–2:30	*Break*		
2:30–4:00	Ocean Data Products	Cross-Cutting II	Open
4:00–5:00	**Poster Session T01–T25 (Atrium)**		

4:00–5:00 PM: Poster Session (T01–T25)

Location: Atrium. Boards numbered T01–T50. Poster boards are 4 feet x 6 feet (~120 cm x 180 cm) and in landscape format.

Friday, November 6 — Plenary

All sessions in the plenary room (Room: Grumman Auditorium).

Time	Speaker(s)	Title / Item
8:30–10:00	**SWOT Applications & Partners**	**Chair: Tom Farrar**
8:30–8:50	Matthew Bonnema, Renato Frasson	SWOT Applications
8:50–9:05	Brandi Downs	PO.DAAC Update
9:05–9:20	Charlotte Emery	Hydroweb.next updates
9:20–9:35	Cyril Germineaud/François Boy	AVISO Update
9:35–9:50	Stephen Chuter	SWOT's Potential for Next-Generation Global Flood Inundation Modeling
9:50–10:00	*Questions/Discussion*	
10:00–10:30	Break	
10:30–12:00	**Closing Plenary Talks, Next Steps for SWOT Project & Science**	**Chair: Tamlin Pavelsky**
10:30–11:00	Richard Ray	Tides in SWOT: 20 Years of Anticipation, 3 Years of Amazement
11:00–11:30	Paul Bates	Taking the long view of SWOT hydrology: how far have we come and where might we get to?
11:30–12:00	Science Leads	Next steps for SWOT science
12:00–1:30	Closing Lunch (Trillium Dining Room); adjourn	

Detailed Agenda — Wednesday, November 4 Breakouts

8:30–10:00 AM: Parallel Sessions

Oceanography: HR Modeling

Room: Dogwood. Organizers: Brian Arbic, Ergane Fouchet, Dan Whitt. Format: 15-min talks.

Time	Speaker(s)	Title / Item
8:30–8:45	Dan Whitt	A 1/48th degree global ocean simulation of the SWOT era: Introducing ECCO llc4320 version 2 (Part 1: the simulation)
8:45–9:00	Brian Arbic	A 1/48th degree global ocean simulation of the SWOT era: Introducing ECCO llc4320 version 2 (Part 2: early model–data comparisons)
9:00–9:15	Jia-Xuan (Julia) Chang	Coarse-Graining Estimates of the Submesoscale Kinetic Energy Cascade in Balanced SWOT Motions: The Kuroshio and Gulf Stream
9:15–9:30	Eric Chassignet	SWOT and model SSH wavenumber spectra
9:30–9:45	Jackie May et al.	Assimilation of SWOT SSH Observations into ESPC Global Coupled Modelling System
9:45–10:00	*Discussion*	

Hydrology: SLEW

Room: Redbud. Organizers: Jida Wang, Melanie Trudel, Sylvain Biancamaria.

Time	Speaker(s)	Title / Item
8:30–8:40	Camryn Kluetmeier	Partitioning elevation and area contributions to lake storage variability using SWOT and Sentinel-2
8:40–8:50	Eric Levenson	SWOT reveals widespread lake drainage events across the northern permafrost zone
8:50–8:57	Sarah Esenther	Enhancing Water Security Assessment with SWOT Measurements of Global Reservoir Water Levels
8:57–9:04	Faisal Hossain	Quantifying the Net Impact of SWOT on Reservoir Monitoring
9:04–9:11	Daniel Scherer	DAHITI: Combining SWOT KaRIn Measurements and Classical Nadir Altimetry for Monitoring Small Inland Waters
9:11–9:18	Karina Nielsen	Geoid residue signals over lakes / Elevations over wet land surface areas
9:18–9:28	Chao Wang	Wetland Water Level Dynamics by Fusing NISAR and SWOT
9:28–10:00	*Q&A and discussion*	

DEC Session 1

Room: Bellflower. Organizers: Nadia Ayoub, Marc Simard, Imen Turki. Format: 10-min talks, 2-min poster lightning talks.

Time	Speaker(s)	Title / Item
8:30–8:40	Perrine Loussert	Evaluation of a SWOT based automatic method for intertidal topography mapping
8:40–8:50	Marie-Isabelle Pujol	New KaRIn High-Resolution L3 product enabling coastal and DEC applications
8:50–9:00	Eve Rebouillat	SWOT sheds light on seiche oscillations within atoll islands
9:00–9:10	Joey Carter	Resolving Non-Tidal Sea Level Dynamics in Estuaries with SWOT
9:10–9:20	Paul Bell	Estimating the full tidal curve at arbitrary locations using SWOT data and the TideMorph algorithm
9:20–9:22	Sabrina Ashik	Lightning (poster W16): Reconstructing Daily Water Surface Elevation in River Deltas by Fusing SWOT, Sentinel-1, and Gauge Observations
9:22–9:24	Martin Rasmus Kolster	Lightning (poster W15): Spatial and temporal structure of the M2 Tide in San Francisco Bay and Delta
9:24–9:26	Taylor Rowley	Lightning (poster W17): Fate of River Export and Surface Hydrology and SWOT
9:26–10:00	*Discussion*	

10:00–10:30 AM: Break

10:30 AM–12:00 PM: Parallel Sessions

Oceanography: Inversion / Assimilation

Room: Dogwood. Organizers: Sarah Gille, Joseph D'Addezio, Florian Le Guillou, Pierre-Yves Le Traon.

Time	Speaker(s)	Title / Item
10:30–10:45	Ergane Fouchet	SWOT data assimilation in Copernicus Marine Service and perspectives for future operational oceanography
10:45–11:00	Lotfi Aouf	Update on the assimilation of swath Significant wave height in the wave model MFWAM: Focus on Marginal Ice Zone
11:00–11:15	Sarah Gille	Assessing vertical motion in a SWOT 4dVar assimilation
11:15–11:30	Elisabet Verger-Miralles	3D Reconstruction and Vertical Velocity Decomposition of an Intrathermocline Eddy from SWOT and Glider Observations
11:30–11:45	Andrew Thompson	Scales of reconstruction: Inferring interior ocean hydrography and vertical motions from SWOT observations
11:45–12:00	*Discussion*	

Hydrology: Global Modeling

Room: Redbud. Organizers: Augusto Getirana, MJ Tourian, Simone Munier, Cedric David.

Time	Speaker(s)	Title / Item
10:30–10:42	Augusto Getirana	Global flood-driven disasters within SWOT observation reach
10:42–10:54	Cedric David	NASA's RiverView: Global river discharge and storage aided by in situ and satellite observations
10:54–11:06	Pierre-Andre Garambois (remote)	SWOT-Informed Regionalization of Hydrological–Hydraulic Models and River Discharge Laws at Basin Scale
11:06–11:18	Peijun Li	Constraining Streamflow Prediction and Reservoir Dynamics with SWOT Water-Level Observations
11:18–11:30	Jeffrey Neal	SWOT calibration of a tropical cyclone flood simulation model for Southern Africa
11:30–12:00	*Discussion*	

DEC Session 2

Room: Bellflower. Organizers: Nadia Ayoub, Marc Simard, Imen Turki.

Time	Speaker(s)	Title / Item
10:30–10:40	Tyler Mccormack	Applications, Limitations, and Insights for SWOT in Wave Dominated Nearshore Environments
10:40–10:50	Ali Reza Payandeh	From Data-Rich to Data-Scarce Coastal Systems: Integrating Remote Sensing Observations and Coastal Models
10:50–11:00	Marc Simard	Going Beyond SWOT in River Deltas and Estuaries: Wetland vulnerability and lateral Carbon export
11:00–11:10	Paola Passalacqua	Predicting flux partitioning in river delta networks using SWOT to produce global delta products and quantify the response of deltas to climate and human induced change
11:10–11:20	Max Daniller-Varghese	The Timescales of Channel-Network Change in the Ganges–Brahmaputra–Meghna Delta
11:20–11:30	Agata Piffer Braga	Resolving River Plume Dynamics from Space
11:30–12:00	*Discussion*	

12:00–1:30 PM: Lunch

1:30–3:00 PM: Parallel Sessions

Oceanography: Tides and Inertia-Gravity Waves

Room: Dogwood. Organizers: Ed Zaron, Brian Arbic, Richard Ray, Loren Carrère, Florent Lyard.

Time	Speaker(s)	Title / Item
1:30–1:45	Maarten Buijsman	Meridional variability in low-mode internal tide decay due to wave-wave interactions
1:45–2:00	Jörn Callies	What's in the tail?
2:00–2:15	Jacob Spier	Topographic Lee Waves in the Gulf Stream Revealed by SWOT Wide-Swath Altimetry
2:15–2:30	Gaétan Meis	Global Segmentation of Internal Solitary Waves in SWOT Observations Using Deep Learning
2:30–2:45	Florian Le Guillou, Noé Lahaye, Clément Ubelmann	Improving inversion and separation of mesoscale dynamics and internal tides from altimeter data by incorporating wave-eddy interactions
2:45–3:00	*Discussion*	

Hydrology: River Science

Room: Redbud. Organizers: Dongmei Feng, Fabrice Papa.

Time	Speaker(s)	Title / Item
1:30–1:40	J. Daniel Velez	Global Patterns and Hydrogeomorphic Associations of Riverbank Slopes from SWOT
1:40–1:50	Arnaud Cerbelaud	SWOT-observed water storage changes in global rivers (2023–2026)
1:50–2:00	Jake Gearon	Global Hydraulic Head Drop and River Connectivity Measured by SWOT
2:00–2:10	Xinchen He	Observing Lake-River Continuums from SWOT: regime hydrodynamics and implications
2:10–2:20	Hana Thurman	Enhancing characterization of river floods with the SWOT satellite
2:20–2:30	Minhui Li	Stream network dynamics reshape estimates of stream surface areas across the contiguous US
2:30–2:40	Toby Minear	Using SWOT Satellite Data to Estimate Hydraulic Resistance and Sediment Transport Capacity in Rivers
2:40–3:00	*Discussion*	

Cryosphere 1

Room: Bellflower. Organizers: Tasha Snow, Sara Fleury.

Time	Speaker(s)	Title / Item
1:30–1:32	*Session introduction by chairs*	
1:32–1:37	*Poster pitches: Julianne Davis, Charon Birkett*	
1:37–1:47	Sarah Cooley	SWOT for Arctic Hydrology: exploring cryospheric applications of SWOT in northern Alaska
1:47–1:57	Victoria Litalien	River Ice Detection Using SWOT Observations
1:57–2:07	Sahra Kacimi	From profiles to swaths: First estimates of Arctic sea ice freeboard and thickness from SWOT
2:07–2:17	François Boy	SWOT over land ice: height reconstruction & performances
2:17–2:27	Tasha Snow	What SWOT can and cannot yet do for glaciology
2:27–2:37	Zachary Katz	Sub-Ice Shelf Tides from SWOT
2:37–3:00	*Discussion*	

3:00–3:30 PM: Break

3:30–5:00 PM: Parallel Sessions

Oceanography: Wind and Waves

Room: Dogwood. Organizers: Doug Vandemark, Ryan Dù, Alli Ho, Fabrice Ardhuin, Bia Villas Boas. Format: 20-min talks.

Time	Speaker(s)	Title / Item
3:30–3:50	Alejandro Bohé	Progress on Sea State Bias in the context of SWOT
3:50–4:10	Ryan Shìjié Dù	Quantifying wave groups' contributions to submesoscale variability in observed SWH
4:10–4:30	Doug Vandemark	Update on ML applied to SWOT ocean feature detection
4:30–4:50	Taina Postec (for Beatriz Molero)	New SWOT L3 Wind Wave Product Version 3: Main Evolutions and Validation Results
4:50–5:00	*Discussion and wrap-up, including comments from remote attendees*	

Hydrology: Discharge Algorithm Working Group (DAWG)

Room: Redbud. Organizers: Colin Gleason, Mike Durand, Pierre-Olivier Malaterre, Kevin Larnier.

Time	Speaker(s)	Title / Item
3:30–4:00	Colin Gleason, Ted Langhorst	Development and current status of DAWG discharge products
4:00–4:10	Kevin Larnier	Plans and schedule for version 4 discharge products and future contributions
4:10–4:11	Luca Ciabatta	Poster preview (W29): Physics-informed neural networks for SWOT river discharge
4:11–4:12	Jenna Brooks	Poster preview (W30): Reconfiguration of the geoBAM Discharge Algorithm Using Depth-Based At-many-stations Hydraulic Geometry
4:12–4:13	Heejin An	Poster preview (W31): Improving SWOT-Based River Discharge Estimation with MOMMA v2
4:13–4:15	Mike Durand	Introduction to DAWG posters
4:15–4:30	Steve Coss, Mike Durand	Development and schedule for Level 2 Near Real Time discharge products
4:30–5:00	Hind Oubanas	Directed discussion with Science Team members

Cryosphere 2

Room: Bellflower. Organizers: Tasha Snow, Sara Fleury.

Time	Speaker(s)	Title / Item
3:30–5:00	*Discussion*	

5:00–6:00 PM: Poster Session (W01–W33)

Location: Atrium. Poster boards are 4 feet x 6 feet (~120 cm x 180 cm) and in landscape format.

No.	Presenter	Title	Linked session
Ocean: modeling, waves, tides, and assimilation			
W01	Anup Nambiathody	Coastal sea level and high resolution ocean modelling	HR Modeling
W02	Yann-Treden Tranchant	Exploring the realism of ocean dynamics and fluxes in models at SWOT-resolved scales	HR Modeling
W03	Yingjun Zhang	Unconventional Eddies in the Northwestern Pacific from SWOT and Himawari Observations	Wind and Waves
W04	Matthew Archer	Storm-induced internal solitary waves observed by SWOT	Tides & IGW
W05	Yadidya Badarvada	Predictability of Internal Tides in the SWOT era	Tides & IGW
W06	Samuel Kelly	Inverse modeling of the internal tide using the Coupled-mode Shallow Water model	Tides & IGW
W07	Loren Carrère	New barotropic and baroclinic tides corrections for SWOT (presented by Isabelle Pujol)	Tides & IGW
W08	Edward Zaron	Baroclinic Tides from SWOT Science Mission Data	Tides & IGW
W09	Wyatt Conger	Sea Surface Height and Significant Wave Height of Internal Solitary Waves Observed by SWOT (presented by Ryan Shìjié Dù)	Tides & IGW
W10	Magdalena Andres	Steric Sea Surface Height Variability at Scales Spanning the Mesoscale to Supertidal Periods in the SWOT Cal/Val region as Observed by an Internal Wave Resolving Array: Leveraging CPIESs and a Densely Instrumented Mooring to Study the Semidiurnal Internal Tide	Tides & IGW
W11	Aswathy Valiyaparambil Shaji	Semidiurnal internal tides in an improved global MITgcm simulation: comparison with moorings, HRET, and SWOT	Tides & IGW
W12	Krishna Calindi and Suyue Li	Mind the Gap: reconstruction of SSH via fusion of SWOT swath and nadir altimetry	Inversion / Assimilation
W13	Shoshi Reich	Adjoint-based assimilation of SWOT observations using a multi-grid adjoint	Inversion / Assimilation
W14	Bradley Sciacca	Wavelet-Based Assimilation of Dense Observations	Inversion / Assimilation
Deltas, estuaries, and coasts			
W15	Martin Rasmus Kolster	Spatial and temporal structure of the M2 Tide in San Francisco Bay and Delta	DEC
W16	Sabrina Ashik	Reconstructing Daily Water Surface Elevation in River Deltas by Fusing SWOT, Sentinel-1, and Gauge Observations	DEC
W17	Taylor Rowley	Fate of River Export and Surface Hydrology and SWOT	DEC
Cryosphere and high latitudes			
W18	Julianne Davis	Landfast sea ice texture along the Beaufort Coast	Cryosphere
W19	Charon Birkett	Early Lake SP results for High Latitude Lakes	Cryosphere / SLEW
W20	Matthias Raynal	Exploring KaRIn for Sea Ice & Polar Ocean Applications: The Challenge of Leads and Floes Segmentation in Polar Oceans	Cryosphere

No.	Presenter	Title	Linked session
Lakes, reservoirs, and wetlands			
W21	Jida Wang	Water volume dynamics in Central Asian reservoirs observed by the SWOT LakeSP product	SLEW
W22	Yinuo Zhu	Bridging Area–Elevation Data Gaps for Small Reservoirs by Integrating SWOT with Multi-Source Satellite Observations	SLEW
W23	Suranjana Chatterjee	Performance of NASA SWOT in Monitoring Water Levels in Geographically Isolated Wetlands	SLEW
W24	Solomon Kica	SWOT Water Detection in Forested Wetlands and Floodplains	SLEW
W25	Robbie Morefield	Assessment of Geoid Model Errors from SWOT Lake Observations	SLEW
Hydrologic modeling and discharge			
W26	Elyssa Collins	Integrating SWOT-Derived Reservoir Operations into Global Hydrodynamic Models	Global Modeling
W27	Praval Devkota	Improving Continuous River Discharge Prediction with SWOT-Informed LSTM Models	Discharge (DAWG)
W28	Reza Jamshidi	Improving synthetic rating curves using multitemporal SWOT river profile observations	Discharge (DAWG)
W29	Luca Ciabatta	Physics-informed neural networks for SWOT river discharge	Discharge (DAWG)
W30	Jenna Brooks	Reconfiguration of the geoBAM Discharge Algorithm Using Depth-Based At-many-stations Hydraulic Geometry	Discharge (DAWG)
W31	Heejin An	Improving SWOT-Based River Discharge Estimation with MOMMA v2	Discharge (DAWG)
W32	Laila Jover	SWOT Discharge Accuracy Benchmarked in South America	Discharge (DAWG)
W33	Jonathan Flores	Global riverine pCO_2 modeling with the SWOT mission	Global Modeling

Detailed Agenda — Thursday, November 5 Breakouts

8:00–9:30 AM: Parallel Sessions

Oceanography: Regional Validation

Room: Dogwood. Organizers: Louise Rousselet, Jinbo Wang, Martin Saraceno, Ananda Pascual, Benoit Legresy, Sebastiaan Swart. Format: 11-min talks including questions.

Time	Speaker(s)	Title / Item
8:00–8:11	Benoit Legresy	SWOT validation at Bass Strait and surrounds
8:11–8:22	Francesco Nencioli	Spatial correlations between SWOT observations and tide gauges
8:22–8:33	Diego Vega Gimenez	Added value of SWOT KaRIn data in DUACS L4 sea level products
8:33–8:44	Ethan Cruz	Intercomparison of SWOT, ICESat-2, and CryoSat-2 sea surface height in the Arctic Ocean
8:44–8:55	Laurent Froideval	Large-scale airborne LiDAR validation of SWOT in the Mediterranean: Linking HR and LR Across Spatial Resolutions Tailored to Coastal Studies
8:55–9:06	Théo Garcia	Latest insight of the BioSWOT Med cruise
9:06–9:30	*Open discussion on validation gaps and next steps*	

Hydrology: SAVA I

Room: Redbud. Organizers: Tamlin Pavelsky, Hind Oubanas.

Time	Speaker(s)	Title / Item
8:00–8:20	Brent Williams	River Uncertainty Validation Status
8:20–8:40	Brent Williams	Use of Pixel-Level Data
8:40–8:55	Brent Williams	Clarification of PIXC Classification and Water Fraction
8:55–9:10	Curtis Chen	Area Bias vs. Cross Track
9:10–9:20	Roger Fjørtoft	Lake Performance Assessment Update
9:20–9:30	Perrine Loussert	Floodplain DEM Update

9:30–10:00 AM: Break

10:00–11:30 AM: Parallel Sessions

Oceanography: Mean Sea Surface (45 min)

Room: Dogwood. Organizers: Isabelle Pujol, David Sandwell, Philippe Schaeffer, Ole Andersen. Format: 15-min talks.

Time	Speaker(s)	Title / Item
10:00–10:15	Remy Charayron	The CNES CLS 2026, a new high resolution mean sea surface leveraging SWOT-KaRIn 250m data
10:15–10:30	David Sandwell	The Thickening Oceanic Lithosphere Controls the Number and Size of Undersea Volcanoes: Insights from a New Global Seamount Catalogue Derived from SWOT
10:30–10:45	David Sandwell (lead)	Discussion and review of existing and future bathymetry products

Oceanography: Cross-Cutting (45 min)

Room: Dogwood. Chair: Francesco d'Ovidio and Tom Farrar.

Time	Speaker(s)	Title / Item
10:45–11:00	Heather Roman-Stork	Developing a Multiparameter Eddy Significance Index from SWOT
11:00–11:15	Subrahmanyam Bulusu	Tracking Ocean Fronts and Loop Current Frontal Eddies in the Gulf of Mexico Using SWOT Altimetry and PACE Ocean Color Chlorophyll-a
11:15–11:30	Dihya Chaal (remote)	SWOT-derived circulation on the Newfoundland and Labrador Shelf identifies important freshwater pathways

Hydrology: SAVA II

Room: Redbud. Organizers: Tamlin Pavelsky, Hind Oubanas.

Time	Speaker(s)	Title / Item
10:00–10:15	Carlos Yanez	Deriving Mean Lake Surfaces from SWOT KaRIn Observations: Methodology and Results
10:15–10:25	Étienne Jussiau	Validation of SWOT KaRIn Water Surface Elevations over Rivers and Lakes Using ICESat-2 ATL13
10:25–10:35	Tamlin Pavelsky	Update on SWORD
10:35–10:45	Niek Collot d'Escury	Optimizing Multichannel Rivers for SWOT
10:45–11:00	Fiona Bennitt	Global Validation of SWOT RiverSP Width Measurements with Same-Day PlanetScope Imagery
11:00–11:10	Clément Ubelmann	Baseline D cross-calibration performance and how hydrologists can make it better
11:10–11:25	Jida Wang, Melanie Trudel	Introduction to HALF
11:25–11:30	*Discussion*	

11:30 AM–12:30 PM: Lunch

12:30–2:00 PM: Parallel Sessions

Oceanography: Velocities

Room: Dogwood. Organizers: Shafer Smith, Aurélien Ponte, Andrey Shcherbina, Lia Siegelman. Format: 15-min slots (10-min talk + 5 min questions/transition).

Time	Speaker(s)	Title / Item
12:30–12:45	Scott Conn	Inferring Mixed Layer Dynamics from SWOT
12:45–1:00	Bo Qiu	Seasonal Variability of Mesoscale versus Fine-Scale Ocean Dynamics from SWOT Measurements
1:00–1:15	Natalie Stamper	The Role of Mesoscale and Submesoscale Eddy Polarity in North Atlantic Marine Heatwave Dynamics from SWOT Altimetry
1:15–1:30	Abigail Bodner	Reconstructing 3D upper ocean density from SWOT's wide-swath sea surface height using machine learning
1:30–1:45	Jinbo Wang	Observed loss of balance over the global ocean
1:45–2:00	Discussion	

Hydrology: Cross-Cutting I

Room: Redbud. Organizers: Tamlin Pavelsky, Hind Oubanas.

Time	Speaker(s)	Title / Item
12:30–12:45	Faisal Hossain	Monitoring Agricultural Canals with SWOT Reveals Global Patterns of Human Water Redistribution
12:45–1:00	Sophie Ricci	SWOT for flooding
1:00–1:15	Hind Oubanas	SWOT River Bathymetry Product
1:15–1:30	George Allen	SWOT and Lake Seiche Events
1:30–1:40	Sunwoo Yoon	SWOT for Action: SWOT PIXC For Water Quality Forecasts in Virginia's Appalachian Reservoirs
1:40–1:50	Merritt Harlan	Informing SWOT River Discharge Algorithms with In Situ Measurements
1:50–2:00	Thomas Ledauphin	SWOT PIXC Hydraulic Visibility and Sub-Node Slope Estimation in Narrow Rivers

2:00–2:30 PM: Break

2:30–4:00 PM: Parallel Sessions

Oceanography: Ocean Data Products

Room: Dogwood. Contact: Isabelle Pujol. Format: 15-min talks.

Time	Speaker(s)	Title / Item
2:30–2:45	Cécile Anadon	SWOT-KaRIn Level-3 Sea Level products – v3 release and perspectives
2:45–3:00	Minghai Huang	A Post-Launch Assessment of the Noise Level of the Ka-Band Radar Interferometer From SWOT
3:00–3:15	Ryan Shìjié Dù	The impact of two-dimensional filtering on white noise spectra in SWOT along-track observations
3:15–3:30	Gaétan Meis	Filtering Noise in Two-Dimensional SWOT Ocean Measurements Using U-Net and Gaussian Kernel Approaches: A Benchmark Evaluation
3:30–3:45	Florian Le Guillou	Three Experimental Global Multimission Level-4 Sea Level Products in the SWOT KaRIn Era
3:45–4:00	Monica Nelson	Ocean circulation in East Antarctica: updated ice-masking and ocean diagnostics algorithms

Hydrology: Cross-Cutting II

Room: Redbud. Organizers: Tamlin Pavelsky, Hind Oubanas.

Time	Speaker(s)	Title / Item
2:30–3:00	Tamlin Pavelsky, Hind Oubanas	Discussion: SWOT Data Products
3:00–3:30	Tamlin Pavelsky, Hind Oubanas	Discussion: SWOT Applications
3:30–4:00	Tamlin Pavelsky, Hind Oubanas	Discussion: The future of the SWOT Hydrology community

4:00–5:00 PM: Poster Session (T01–T25)

Location: Atrium. Boards numbered T01–T50. Poster boards are 4 feet x 6 feet (~120 cm x 180 cm) and in landscape format.

No.	Presenter	Title	Linked session
Ocean: validation and data products			
T01	Pascal Bonnefond	Recent results of SWOT wide swath altimetry at the Corsica facilities (presented by Nicolas Picot)	Regional Validation
T02	Laura Gómez-Navarro	New Insights into Mesoscale Activity in the Western Mediterranean Sea	Regional Validation
T03	Laura Fortunato	Seasonal Variability of the Surface Circulation in the Tyrrhenian Sea: New Insights from SWOT Altimetry and Tide Gauge Records	Regional Validation
T04	Yann-Treden Tranchant	Contrasting fine filaments across an Antarctic Circumpolar Current eddy dipole and signature in SWOT observations.	Regional Validation
T05	Théo Garcia	SPace-affinity: Find the finest matchups between SWOT and PACE in your region	Regional Validation
T06	Théo Garcia	Marginal phytoplankton communities response to fine-scale structures	Ocean Cross-Cutting
T07	Étienne Jussiau	Overview and performance assessment of SWOT KaRIn D0 baseline	Ocean Data Products
T08	Clément Ubelmann	Calibrating SWOT Systematic Errors While Preserving the Ocean Signal	Ocean Data Products
T09	Gaétan Meis	Reconstruction of Missing SWOT Ocean Observations Using Convolutional Neural Network Inpainting	Ocean Data Products
T10	Iury Simoes-Sousa	SWOT's Up: explore the whole mission in a single versioned cloud dataset	Ocean Data Products
T11	Jacob Spier	SWOT Viewer: A Browser Tool for Visualizing SWOT Data Directly from Cloud-Native Stores	Ocean Data Products
Ocean: circulation, eddies, and velocities			
T12	Daniel Whitt	TROPIC-SWOT: submesoscale currents in the tropical Pacific	Velocities
T13	Leah Johnson	Eddy Killing in the Northern Indian Ocean	Velocities
T14	Andrey Shcherbina	Observing Surface Velocity Structure Across Scales with SWOT and Dense Drifters	Velocities
T15	Yue (Luna) Bai	Enhanced Estimates of Air–Sea-Driven Submesoscale Ocean Vertical Velocities from SWOT	Velocities
T16	Monica Nelson	A generalized geostrophic scalable velocities estimation method for fine applications from the icy regions to the tropical shelf seas	Velocities
T17	Cristina Martí-Solana	SWOT Reveals the Seasonal Cycle of Fine-Scale Kinetic Energy and Its Cross-Scale Exchanges in the Mediterranean Sea	Velocities

No.	Presenter	Title	Linked session
Hydrology: validation and measurement performance			
T18	Yuyang Li	Assessing SWOT Water Surface Elevation Using HEC-RAS Hydraulic Simulations Across North Carolina Rivers	SAVA
T19	Asumi Saito	Understanding and correcting the sources of errors in SWOT observations for improved storage estimates for ungaged water bodies in the US	SAVA
T20	Kwanhyuck Kim	Geometric Controls on SWOT Water Surface Elevation Measurement in Urban Rivers: Cross-Track Position and Along-Track Flow Angle	SAVA
T21	Yanqi Ye	Do river bridges and obstructions impact SWOT observations?	SAVA
T22	Rangel Daroya	Finding Rivers in SWOT SLC using Machine Learning	SAVA
T23	Tasneem Haq Meem	Evaluating the potential of Surface Water and Ocean Topography (SWOT) satellite data for assessing water-surface dynamics at river confluences	Hydro Cross-Cutting
T24	George Allen	Progress integrating lake processes into the SWOT river discharge product with LakeFlow	Hydro Cross-Cutting
T25	Chaopeng Shen	Global hydrologic learning with SWOT	Hydro Cross-Cutting