

2026 Hydrosphere Investigator Meeting

Omni Shoreham Hotel, Washington, DC

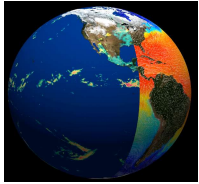
By invitation only



D1		Tuesday, 1 September 2026			
Start Time (EDT)		Topic	Speaker/Moderator	Duration	UTC (EDT+4)
8:00		Registration and Nametag Pickup		1:00	12:00
9:00		Welcome and Opening Remarks	HQ Hydrosphere, ESPO (logistics)	0:10	13:00
9:10	9:10	Earth System Science Research (ESSR) Updates, NASA HQ	Barry Lefer/Michelle Hawkins	0:30	13:10
	9:40		Q/A	0:15	13:40
9:55	9:55	Earth Science Division (ESD) Updates, NASA HQ	Karen St. Germain	0:30	13:55
	10:25		Q/A	0:15	14:25
10:40		Group Photo		0:10	14:40
10:50		Break		0:25	14:50
11:15	11:15	Hydrosphere Introduction and Programmatic Updates, NASA HQ	Nadya Vinogradova Shiffer	0:15	15:15
	11:30		Q/A	0:10	15:30
	11:40		Will McCarty/Justin Stachnik	0:15	15:40
	11:55		Q/A	0:10	15:55
	12:05		Craig Ferguson	0:15	16:05
	12:20		Q/A	0:10	16:20
12:30		Lunch		1:30	16:30
14:00	14:00	State of the Science and Area Overview: Ocean Physics	Community Researchers	0:55	18:00
	14:55		Q/A	0:20	18:55
15:15		Break		0:30	19:15
15:45	15:45	State of the Science and Area Overview: Precipitation Science	Community Researchers	0:55	19:45
	16:40		Q/A	0:20	20:40
17:00		Earth Science Research Results Portal (ESRRP), NASA HQ	Justin Stachnik	0:15	21:00
17:15		Discussion and Wrap-up	HQ Hydrosphere	0:15	21:15
17:30		Adjourn			21:30

D2		Wednesday, 2 September 2026			
Start Time (EDT)		Topic	Speaker/Moderator	Duration	UTC (EDT+4)
8:00		Registration and Nametag Pickup		0:30	12:00
8:30		Day 1 Recap and Day 2 Introduction	HQ Hydrosphere	0:05	12:30
8:35	8:35	Commercial Satellite Data Acquisition (CSDA) Updates, NASA HQ	Ashutosh Limaye	0:25	12:35
	9:00		Q/A	0:10	13:00
9:10	9:10	Earth Modeling Nexus (EMN) Updates	Argie Kavvada/Lesley Ott	0:25	13:10
	9:35		Q/A	0:10	13:35
9:45	9:45	Multisource Integrated Observatory (MIO) Updates	John Haynes	0:25	13:45
	10:10		Q/A	0:10	14:10
10:20		Break		0:30	14:20
10:50	10:50	State of the Science and Area Overview: Terrestrial Hydrology	Community Researchers	0:55	14:50
	11:45		Q/A	0:20	15:45
12:05		Instructions for Thematic Breakouts	HQ Hydrosphere	0:10	16:05
12:15		Lunch + Early Career Research Programming (Optional)		1:30	16:15
13:45	Breakouts: Thematic Science + Lightning Talks		Room Name	2:00	17:45
	Theme 1: Ocean Physics		Governors Board Room		
	Theme 2: Precipitation Science		Capitol Room		
	Theme 3: Terrestrial Hydrology		Hampton Room		
15:45		Break		0:30	19:45
16:15	16:15	ASP Updates, NASA HQ	Derek Rutovic	0:15	20:15
	16:30	Ocean Physics Campaigns (FRESH, SASSIE)	HQ Hydrosphere/Community POC	0:15	20:30
	16:45	Precipitation Physics Campaigns (ENLIGHTEN, NURTURE, PIE SLICE, POLCA)	HQ Hydrosphere/Community POC	0:15	20:45
	17:00	Terrestrial Hydrology Campaigns (SnowEx, SnowEx-ALPINE)	HQ Hydrosphere/Community POC	0:15	21:00
17:15		Discussion and Wrap-up	HQ Hydrosphere	0:15	21:15
17:30		Adjourn, Networking Event			21:30

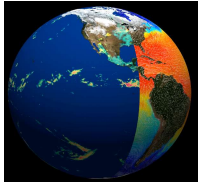
D3		Thursday, 3 September 2026			
Start Time (EDT)		Topic	Speaker/Moderator	Duration	UTC (EDT+4)
8:00		Registration and Nametag Pickup		0:30	12:00
8:30		Day 2 Recap and Day 3 Introduction	HQ Hydrosphere	0:05	12:30
8:35	8:35	Flight/Earth Venture Orbital (EVO) Updates, NASA HQ	Scott Schwinger	0:25	12:35
	9:00		Q/A	0:10	13:00
9:10	9:10	Earth Science Technology Office (ESTO) Updates, NASA HQ	Laura Rogers	0:25	13:10
	9:35		Q/A	0:10	13:35
9:45	9:45	Earth Science Data Systems (ESDS) and DAAC Updates, NASA HQ	Jim O'Sullivan	0:25	13:45
	10:10		Q/A	0:10	14:10
10:20		Break		0:30	14:20
10:50	10:50	Earth Action (EA) Updates, NASA HQ	Erin Urquhart	0:25	14:50
	11:15		Q/A	0:10	15:15
11:25	11:25	Ocean Physics Thematic Readout	Community Researchers	0:20	15:25
	11:45	Precipitation Science Thematic Readout	Community Researchers	0:20	15:45
	12:05	Terrestrial Hydrology Thematic Readout	Community Researchers	0:20	16:05
12:25		Instructions for Intrasphere/Interdisciplinary Science Breakouts	HQ Hydrosphere	0:05	16:25
12:30		Lunch		1:30	16:30
14:00	Breakouts: Intrasphere/Interdisciplinary Science		Room Name	1:45	18:00
	Groups #1-5		Governors Board Room		
	Groups #6-10		Capitol Room		
	Groups #11-16		Hampton Room		
	Online Groups		Webex Breakout Rooms		
15:45		Break		0:30	19:45
16:15		Intrasphere/Integrated Hydrosphere Science Plenary Discussion	HQ Hydrosphere	0:30	20:15
16:45		Summary Discussion and Wrap-up	HQ Hydrosphere	0:15	20:45
17:00		Adjourn			21:00



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D2	Ocean Physics Thematic Breakout -- Wednesday, 2 September 2026		
Start Time (EDT)	Number and Presenter	Duration	UTC (EDT+4)
13:45	Opening Remarks - Nadya Vinogradova Shiffer	0:15	17:45
14:00	In-person Talks	0:42	18:00
14:00	1 - Steve Nerem	0:03	18:00
14:03	2 - Lisan Yu	0:03	18:03
14:06	3 - Daniel Whitt	0:03	18:06
14:09	4 - Brian Arbic	0:03	18:09
14:12	5 - Richard Ray	0:03	18:12
14:15	6 - Leah Johnson	0:03	18:15
14:18	7 - Subra Bulusu	0:03	18:18
14:21	8 - Ian Fenty	0:03	18:21
14:24	9 - Shafer Smith	0:03	18:24
14:27	10 - Jinbo Wang	0:03	18:27
14:30	11 - Ou Wang	0:03	18:30
14:33	17 - Tony Song	0:03	18:33
14:36	13 - Ryan Shìjié Dù	0:03	18:36
14:39	14 - Andrew Thompson	0:03	18:39
14:42	Break	0:05	18:42
14:47	Online Talks	0:30	18:47
14:47	12 - Hector Torres	0:03	18:47
14:50	15 - Shineng Hu	0:03	18:50
14:53	18 - Matthew Archer	0:03	18:53
14:56	19 - Mark Bourassa	0:03	18:56
14:59	20 - Severine Fournier	0:03	18:59
15:02	21 - Matt Mazloff	0:03	19:02
15:05	22 - Ichiro Fukumori	0:03	19:05
15:08	23 - Maria Hakuba	0:03	19:08
15:11	24 - Angelica Rodriguez	0:03	19:11
15:14	25 - Patrick Heimbach	0:03	19:14
15:17	Discussion	0:28	19:17
15:45	Adjourn		19:45



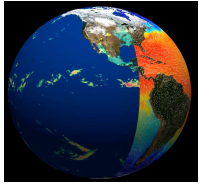
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D2	Precipitation Science Thematic Breakout -- Wednesday, 2 September 2026			
Start Time (EDT)	Number and Title	Speaker/Moderator	Duration	UTC (EDT+4)
13:45	Opening Remarks	Will McCarty/Justin Stachnik	0:03	17:45
13:48	Lightning Talks		0:52	17:48
13:48	1 - Moving the Precipitation Goal Posts: Shifting from Averages to the Distribution ... In the Right Place	George Huffman	0:04	17:48
13:52	2 - From Grid-Based Uncertainty to Hydrologically Credible Precipitation Ensembles	Yagmur Derin	0:04	17:52
13:56	3 - Toward Probabilistic Precipitation Estimates: From Retrieval Diagnostic to Actionable Information	Pierre Kirstetter	0:04	17:56
14:00	4 - Observations for Evaluating and Developing Model Derived Precipitation	Mike Bosilovich	0:04	18:00
14:04	5 - From Measuring Precipitation to Constraining its Physics	Greg Elsaesser	0:04	18:04
14:08	6 - Multi-Measurement Perspectives on Clouds and Precipitation	Julia Shates	0:04	18:08
14:12	7 - Toward Increased use of Passive Sub- & Millimeter-wave in Thunderstorm Science	Timothy Lang	0:04	18:12
14:16	8 - Linkages between Convection and the Global Atmospheric Electrical System	Chuntao Liu	0:04	18:16
14:20	9 - Fingerprints and Footprints of Severe Convection in Remote Sensing Datasets	Sarah Bang	0:04	18:20
14:24	10 - From Convective Fraction to Latent Heating	Veljko Petkovic	0:04	18:24
14:28	11 - Precipitation Science in Varying Environmental Conditions	Angela Rowe	0:04	18:28
14:32	12 - Possible New Directions for Precipitation Science	Scott Braun	0:04	18:32
14:36	13 - Cornerstones for a More Resilient Future: A Commercial Perspective on NASA Precipitation Science	Joe Munchak	0:04	18:36
14:40	Recap of State of the Science Challenges and Opportunities		0:05	18:40
14:45	Discussion	Community Researchers	1:00	18:45
15:45	Adjourn			19:45



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D2	Terrestrial Hydrology Thematic Breakout -- Wednesday, 2 September 2026			
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13:45	Opening Remarks	Craig Ferguson	0:04	17:45
13:49	Lightning Talks (Q&A included at the end of each talk)		1:52	17:49
13:49	1 - JPL Water and Ecosystems Group	JT Reager	0:20	17:49
14:09	2 - GSFC Hydrological Science Lab Research Capabilities Overview	John Bolten, Sujay Kumar, Carrie Vuyovich, Rajat Bindlish, Mike Jasinski, Fritz Policelli, Tim Lahmers, Ed Kim, and Thomas Holmes	0:20	18:09
14:29	3 - Advancing Consistent Earth System Water and Energy Budgets for Science and Applications	Brent Roberts, Mike Bosilovich, Matt Rodell, Seiji Kato, Paul Stackhouse, Bill Olson, Hiroko Beaudoin, and Pete Robertson	0:09	18:29
14:38	4 - Current and Future Directions for GRACE/FO/C Hydrology Research and Data Assimilation	Matt Rodell	0:09	18:38
14:47	5 - Enhancing Flash Drought Prediction by Quantifying Vegetation Responses to Rainfall and Heatwave Pulses	Yanlan Liu, Kai Zhu, Alexey Shiklomanov, and Dhruva Kathuria	0:09	18:47
14:56	6 - Differential Impacts of Irrigation on Precipitation across the United States	Stefano Casirati, Paolo D'Odorico, Inez Fung, and Manuela Girotto	0:09	18:56
15:05	7 - Snow Depth Retrieval from Lidar on an Airborne Platform	Ali Omar, Xiaomei Lu, Yongxiang Hu, Madeleine Cowell, Jennifer Lee, and Xubin Zeng	0:09	19:05
15:14	8 - Multisensor Lidar and Hyperspectral Snow Remote Sensing	Xubin Zeng, Joelle Garcia, Chris Siu, James Lende, Yong-Xiang Hu, Xiaomei Lu, and Ali Omar	0:09	19:14
15:23	9 - Advancing Hydrologic Prediction with Remotely Sensed Snow Cover and Albedo	McKenzie Skiles, J. Michelle Hu, Alvaro Robledano, Joachim Meyer, Andrew Hedrick, Mathis Leemann, Ross Palomaki, Karl Ritter, Ned Bair, Thomas Painter, and Jeff Dozier	0:09	19:23
15:32	10 - High-latitude Remote Sensing and Learned Reanalysis: From Precipitation to Terrestrial Snow Storage	Mehedi Prodhon, Sandesh Dahal, Buddha Subedi, Seyfullah Fehim, Divya Kumawat, Sujay Kumar, Rajat Bindlish, Mike Schwank, Andreas Collinader, JP Wigneron, and Ardeshir Ebtehaj	0:09	19:32
15:41	Closing Remarks	Craig Ferguson	0:04	17:45
15:45	Adjourn			19:45