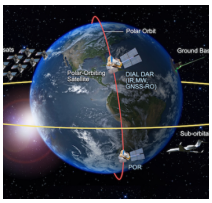

Planetary Boundary Layer Technical Meeting

May 12-13, 2026

Hotel Dena, Pasadena, California

Tuesday, May 12, 2026					
Start Time (PDT)		**Topic**	**Speaker/Moderator**	**Duration**	**UTC (PDT+7)**
0830		**Registration and coffee**		0:30	1530
0900		**Overview of PBL**	Will McCarty, Amber Emory	0:30	1600
0930		**Update on Decadal Survey**	Cecile Rousseaux	0:30	1630
1000		**Overview of White Papers**		0:30	1700
	1000	Surface Interactions	Shawn Serbin		
	1010	Convection and Extremes	Courtney Schumacher		
	1020	Cloudy PBL	Joao Teixeira		
1030		**Break**		0:20	1730
1050		**Decadal Strategy**		1:00	1750
	1050	Recommendations for the next Decadal Survey	Xubin Zeng		
	1120	Mid term assessment	Deanna Hence		
1150		**PBL Applications (10 minutes each)**		0:10	1850
	1150	MIO	Cecile Rousseaux		
1200		**Lunch (on your own)**		1:30	1900
1330		**PBL Applications, continued**		1:10	2030
	1330	NASA Short-term Prediction Research and Transition (SPoRT)	Ryan Wade		
	1340	NASA Satellite Needs Working Group (SNWG)	Teixeira/Ao/Thrastarson		
	1350	Environment Canada	*Ron McTaggart-Cowan (virtual)*		
	1400	Department of Energy	*Sally McFarlane, Shaima Nasiri (virtual)*		
	1410	NOAA Hurricane Research Division (HRD)	*Jun Zhang (virtual)*		
	1420	National Center for Atmospheric Research (NCAR)	Everette Joseph/Sebastian Hoch		
	1430	Office of Naval Research (ONR)	*Josh Cossuth (virtual)*		
1440		**Application Panel Discussion**	Moderator: Carol Anne Clayson	0:30	2140
1510		**Group Photo**		0:10	2210
1520		**Break**		0:20	2220
1540		**PBL Technologies (10 minutes each)**		0:40	2240
	1540	PlanetiQ	Rob Kursinski		
	1550	Spire	*Manju Henry, Mo Belal (virtual)*		
	1600	Tomorrow.io	*Joe Munchak (virtual)*		
	1610	EUMETSAT	Bojan Bojkov		
1620		**Technology Panel Discussion**	Moderator: Amin Nehrir	0:30	2320
1650		**Plenary Discussion – 2027 Decadal Response**	Moderators: Amin Nehrir, Deanna Hence, Joao Teixeira, Carol Anne Clayson	0:30	2350
1720		**Adjourn**			0020

Wednesday, May 13, 2026					
Start Time (PDT)		**Topic**	**Speaker/Moderator**	**Duration**	**UTC (PDT+7)**
0830		**Registration and Nametag Pickup**		0:30	1530
0900		**Continued Discussion – 2027 Decadal Response** Communities to integrate Upcoming meeting coordination White paper update needs	Moderators: Amin Nehrir, Deanna Hence, Joao Teixeira, Carol Anne Clayson	1:00	1600
1000		**Break**		0:30	1700
1030		**WHYMSIE Validation Status Updates (10+2)**		1:00	1730
	1030	Scanning-HIS	Joe Taylor		
	1042	NAST-I	Xu Liu		
	1054	COSMIR-H	Rachael Kroodsma		
	1106	Ground Based	Shawn Serbin		
	1118	HALO	Amin Nehrir		
1130		**Lunch with Poster Session**		1:30	1830
1300		**DSI 24 PI Talks (12+3)**		1:45	2000
	1300	PBL Data System Strategy for a multi-mission integrated observing system	*Alexey Shiklomanov, Tiger Team (virtual)*		
	1315	Improving PBL Temperature and Water Vapor Information by Combining Hyperspectral MW and IR Sounders with Active Lidar Measurements	Xu Liu		
	1330	Analyzing HAMMR-HD and TEMPEST-D (along track) Data to Quantify the Capability of Future Broad-Spectrum Microwave Radiometers for PBL Thermodynamic Characterization	Shannon Brown		
	1345	Building global PBL height analysis and monitoring capability and improving the representation of PBL thermodynamic structure in a global modeling framework	Yanqiu Zhu		
	1400	A Passive-Active, Multi-Sensor Approach to Earth's PBL - A Demonstration from WH2yMSIE	Antonia Gambacorta		
	1415	Toward an optimal combination of passive orbital and active suborbital measurements of the PBL thermodynamic vertical structure	Joao Teixeira		
	1430	Objective evaluation of enhanced satellite PBL observations to improve forecasts of climatic impact-drivers	Marcus van Lier-Walqui		
1445		**Break**		0:15	2145
1500		**DSI 24 PI Talks (12+3)**		0:45	2200
	1500	Multi-Instrument High-Resolution Characterization of the PBL using Tomography Techniques	Kuo-Nung Wang		
	1515	Synergistic Retrievals as a Pathway to Improving Thermodynamic Observations of the PBL	Tim Wagner		
	1530	Reduction of uncertainties and improved efficiency of radiative forward operators of PBL thermodynamics and height	Patrick Stegmann		
1545		**Wrap up**	Amber Emory, Will McCarty	0:15	2245
1600		**Adjourn**			2300