

SAGE III/ISS Science Team Meeting (Hybrid)**19-Aug-26****Building 2102 Reid 3, NASA Langley Research Center****default local time zone: EDT****to adjust to your local time, enter offset below**

UTC offset of your local time zone

-4.00

hours

Local time UTC time**Duration (minutes)****Welcome and introductions**

8:30 AM	12:30	Check in		15
8:45 AM	12:45	Welcome / Opening Remarks	Jun Wang, JD Reeves (LaRC SD)	10
8:55 AM	12:55	Logistics	Tracy May	5
9:00 AM	13:00	NASA Earth Science Division 2026 updates and what that means for SAGE III/ISS Science Team	Emma Knowland	10
9:10 AM	13:10	Multi-source Integrated Observatory	John Sullivan	15
9:25 AM	13:25	Q&A		10

SAGE III/ISS: Recent project updates, Chair: E. Knowland

9:35 AM	13:35	Mission Status	David Flittner, Marilee Roell	25
10:00 AM	14:00	SAGE III/ISS Mission Operations	Caitlyn Stone	20
10:20 AM	14:20	Data Product Status (2026 Edition)	Robbie Manion	15
10:35 AM	14:35	Q&A		15
10:50 AM	14:50	Break / Picture		25

SAGE III/ISS: Synergy with other missions, Chair: J. Sullivan

11:15 AM	15:15	STRIVE Mission: Synergies and Connections to SAGE III/ISS	Luke Oman	25
11:40 AM	15:40	Q&A		5
11:45 AM	15:45	Optical Properties of Stratospheric Wildfire Smoke Plumes	Matthew Wyatt, Peter Bernath	20
12:05 PM	16:05	Q&A		5
12:10 PM	16:10	Lunch Break		60

SAGE III/ISS: Aerosols - I, Chair: D. Flittner

1:10 PM	17:10	Evaluating the Impact of Assimilating SAGE III/ISS and OMPS data on a Global Mass Transport Models	Jianglong Zhang	20
1:30 PM	17:30	Investigation of smoke aerosol radiative effects in the UTLS using SAGE III/ISS observations	Sarah Lu	20
1:50 PM	17:50	SAGE III lunar aerosol data	Jun Wang	20
2:10 PM	18:10	Assessing Stratospheric Aerosol Extinction Coefficients Following Perturbed Events Using Space-Borne Observations in the Context of GloSSAC	Mahesh Kovilakam	20
2:30 PM	18:30	Updating the SAGE III/ISS aerosol PSD product using atmospheric state variables	Nicholas Ernest	15
2:45 PM	18:45	Panel/Session discussion	Session speakers	20
3:05 PM	19:05	Break		20

SAGE III/ISS: Aerosol - II, Chair: J. Wang

3:25 PM	19:25	The importance of fine aerosol in understanding the microphysics of stratospheric aerosol, and the challenge they present to satellite measurements.	Lars Kalnajs	20
3:45 PM	19:45	An Enhanced OMPS-LP Stratospheric Aerosol Retrieval Algorithm and Validation Against SAGE III	Natalya Kramarova	15
4:00 PM	20:00	Stratospheric Aerosol Extinction Coefficients from OMPS-LP: Identifying and Explaining Differences Across Three Retrieval Algorithms.	Terry Deshler	15
4:15 PM	20:15	The Balloon Network for Stratospheric Aerosol Observations	Jean-Paul Vernier	15
4:30 PM	20:30	The sedimentation of the Hunga plume in the Tropical Tropopause Layer and its impacts (Virtual)	Giovanni Souza	15
4:45 PM	20:45	Panel Discussion	Session speakers	15
5:00 PM	21:00	Adjourn		

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Synergy with other missions. Chairs: J. Wang

8:30 AM	12:30	Synergistic retrievals of aerosol with SAGE, OSIRIS, and OMPS (Virtual presentation)	Adam Bourassa	25
8:55 AM	12:55	Q&A		5
9:00 AM	13:00	The Stratospheric Aerosol and Gas Experiment IV	Robert Damadeo	25
9:25 AM	13:25	Q&A		5
9:30 AM	13:30	Atmospheric Limb Tracker for Investigation of the Upcoming Stratosphere - ALTIUS mission (Virtual presentation)	Antonin Berthelot	25
9:55 AM	13:55	Q&A		5
10:00 AM	14:00	Break		20

SAGE III/ISS: Trace Gases #1. Chair: E. Knowland

10:20 AM	14:20	Investigating the cause of stratospheric biases in climate models (Virtual presentation)	Brian Soden	20
10:40 AM	14:40	Stratospheric Water Vapor Mass in the Post-Aura Microwave Limb Sounder Era (Virtual presentation)	Luis Millan Valle	20
11:00 AM	15:00	Stratospheric WV and ozone updates (tentative)	Sean Davis	20
11:20 AM	15:20	SAGE III/ISS 6.1 Water Vapor Improvements	Michael Heitz	15
11:35 AM	15:35	Panel discussion	Session speakers	15
11:50 AM	15:50	Lunch break		60

SAGE III/ISS: Trace Gases. Chair: E. Knowland

12:50 PM	16:50	O3	Ray Wang	20
1:10 PM	17:10	Exploring Diurnal Characteristics of O3 and NO2 with the SAGE III/ISS Instrument and GEOS Earth System Model	Pamela Wales	20
1:30 PM	17:30	Modeling of fire emission impact on UTLS composition	Will Julstrom, Jun Wang	15
1:45 PM	17:45	Updates and Developments at the >20 Year Costa Rica Ticosonde Station	Ryan Stauffer	15
2:00 PM	18:00	Updates on UT/LS Measurements and Insights from Tropical Ozonesondes (SHADOZ)	Anne Thompson	15
2:15 PM	18:15	Extension of the SAGE II/MLS Ozone Record With OMPS LP: Merge Methods and Evaluation With SAGE III	Nigel Richards	15
2:30 PM	18:30	Panel discussion	Session speakers	20
2:50 PM	18:50	Break		20

SAGE III/ISS: Cal/Val/Data Tools. Chair: D. Flittner

3:10 PM	19:10	Assessing Stability and Precision of Long-Term Stratospheric Ozone Data Records	Mary Cate McKee	15
3:25 PM	19:25	Expanding SAGE III Visibility through the ASDC (Virtual presentation)	Hazem Mahmoud	15
3:40 PM	19:40	SAGE mission data portal enhancements	Rick Farmer	15
3:55 PM	19:55	Evaluation of Aerosol-Cloud Clearing Techniques and Their Impacts on SAGE III/ISS Data Analysis for UTLS Studies	Rubel Das	15
4:10 PM	20:10	Panel discussion	Session speakers	20
4:30 PM	20:30	Break		0

Wrap-up Day-2.

4:30 PM	20:30	Wrap up	J. Wang, E. Knowland, D. Flittner	15
4:45 PM	20:45	Adjourn		