

SAGE III / ISS Science Team Meeting

August 13, 2025

Local Time UTC Time

Duration

Welcome and Introductions

9:00 AM	13:00	Welcome / Opening Remarks	Jun Wang, John Nowak (LaRC SD)	10
9:10 AM	13:10	Program Perspective / HQ	Emma Knowland, Barry Lefer	10
9:20 AM	13:20	Logistics	Allison McMahon	5

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

9:25 AM	13:25	Mission Status	David Flittner, Marilee Roell	25
9:50 AM	13:50	Mission Operations	Jamie Nehrir	20
10:10 AM	14:10	Data Product 2025 Edition	Robbie Manion	15
10:25 AM	14:25	Q & A		15
10:40 AM	14:40	Break / Picture		20

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

11:00 AM	15:00	Invited: ARGOS	Matthew DeLand	30
11:30 AM	15:30	Q & A		10
11:40 AM	15:40	Stratospheric Sulfate Aerosols from ACE and SAGE	Peter Bernath	20
12:00 PM	16:00	Q & A		10
12:10 PM	16:10	Lunch Break		50

SAGE III/ISS: Aerosols/Clouds, Chair: D. Flittner

1:00 PM	17:00	A synergistic use of SAGE III/ISS and lidar data for improving stratospheric aerosol analyses and forecasts	Jianglong Zhang	20
1:20 PM	17:20	Spatiotemporal variations of smoke aerosols in the upper troposphere and lower stratosphere observed by SAGE III/ISS	Sarah Lu	20
1:40 PM	17:40	SAGE III lunar aerosol data	Xi Chen, Jun Wang	20
2:00 PM	18:00	Incorporation of SAGE III/ISS v6.0 into SWOOSH and testing a line-of-sight ozone filtering algorithm	Sean Davis	20
2:20 PM	18:20	Tropical tropopause layer cloud distributions and tropical width from both the SAGE 520/1022 and 755/1550 wavelength pairs.	Melody Avery	15
2:35 PM	18:35	Panel/Session discussion	Session speakers	20
2:55 PM	18:55	Break		10

SAGE III/ISS: Cal/Val and synergy, Chair: K. Jucks

3:05 PM	19:05	Invited: ACCLIPS	Laura Pan	30
3:35 PM	19:35	Q & A		10
3:45 PM	19:45	Ratios of extinction, mass, and surface area to backscatter and mass to extinction derived from balloon-borne stratospheric aerosol size distribution measurements from 1989 – 2025	Terry Deshler, Lars Kalnajs	25
4:10 PM	20:10	Perspectives on UT/LS ozone trend updates: Satellite and Ground-based	Anne Thompson	15
4:25 PM	20:25	Panel Discussion	Session speakers	15
4:40 PM	20:40	Adjourn		

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

9:00 AM	13:00	Invited: Climate modeling CMIP7, GloSSAC	Thomas Aubry, Mahesh Mundakkara Kovilakam	35
9:35 AM	13:35	Q & A		10
9:45 AM	13:45	Invited: DCOTSS	Kristopher Bedka	30
10:15 AM	14:15	Q & A		10
10:25 AM	14:25	Break		10

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

10:35 AM	14:35	Investigating the impact of stratospheric composition on CO2 radiative forcing	Brian Soden	20
10:55 AM	14:55	O3	Ray Wang	20
11:15 AM	15:15	Exploring Diurnal Characteristics of O3 and NO2 with the SAGE III/ISS instrument and GEOS Earth System Model	Pamela Wales	20
11:35 AM	15:35	Panel discussion	Session speakers	20
11:55 AM	15:55	Lunch Break		60

SAGE III/ISS: Trace Gases #2, Chair: K. Jucks

12:55 PM	16:55	How is the stratospheric water vapor mass changing?	Luis Millan Valle	20
1:15 PM	17:15	Validation of OMPS LP ozone profile retrievals using SAGE III/ISS and other correlative measurements	Nigel Richards	15
1:30 PM	17:30	Ozone trends in the lower stratosphere and tropopause changes	Irina Petropavlovskikh	15
1:45 PM	17:45	Panel Discussion	Session Speakers	20
2:05 PM	18:05	Break		10

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

2:15 PM	18:15	SAGE III/ISS Temperature/Pressure Products update	Michael Pitts	15
2:30 PM	18:30	Inter-comparison study of stratospheric particle size distribution parameters derived from SAGE III/ISS extinction measurements.	Nicholas Ernest	15
2:45 PM	18:45	The SAGE III/ISS Quicklook Website	Kevin Leavor	15
3:00 PM	19:00	Sizing the Sun: Theodolite Investigations of Ground-Based SAGE III/ISS Solar Collimators	Cassidy Klahn	15
3:15 PM	19:15	Expanding SAGE III Visibility through the ASDC	Hazem Mahmoud	15
3:30 PM	19:30	SAGE III/ISS Validation Update	Mary Cate McKee	15
3:45 PM	19:45	Panel Discussion	Session speakers	25
4:10 PM	15:55	Break		10

Wrap-up Day 2

4:20 PM	20:20	Wrap-up	J. Wang, E. Knowland, D. Flittner, NASA HQ	15
4:35 PM	20:35	Adjourn		