SAGE III/ISS Science Team Meeting (Hybrid)
22 Oct. 2024
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
Welcome and introductions				
9:00 AM	13:00	Welcome / Opening Remarks	Jun Wang, David Flittner	10
9:10 AM	13:10	Program Perspective / HQ	Richard Eckman	10
9:20 AM	13:20	Logistics	Allison McMahon	5
SAGE III/ISS: Recent project updates. Chair: R. Eckman				
9:25 AM	13:25	Mission Status	David Flittner	20
9:45 AM	13:45	New Data Product	Robbie Manion	15
10:00 AM	14:00	Mission Operations	Jamie Nehrir	15
10:15 AM	14:15	Q&A		10
10:25 AM	14:25	Break / Group Picture		20
SAGE III/ISS: Synergy with other missions. Chair: J. Wang				
10:45 AM	14:45	The STRIVE Earth System Explorer Mission Concept	Lyatt Jaegle	30
11:15 AM	15:15	Q&A		10
11:25 AM	15:25	CAIRT mission concept	Björn-Martin Sinnhuber	30
11:55 AM	15:55	Q&A		10
12:05 PM	16:05	Lunch Break		50
SAGE III/ISS: Aerosols. Chair: D. Flittner				
12:55 PM	16:55	OMPS-LP Aerosol Extinction Coefficients And Their Applicability in GloSSAC	Mahesh Mundakkara Kovilakam	20
1:15 PM	17:15	A synergistic use of SAGE III/ISS and lidar data for improving stratospheric aerosol analyses and forecasts	Jianglong Zhang	20
1:35 PM	17:35	Spatiotemporal variations of smoke aerosols in the upper troposphere and lower stratosphere observed by SAGE III/ISS	Sarah Lu	20
1:55 PM	17:55	SAGE new aerosol data product	Xi Chen	20
2:15 PM	18:15	Stratospheric aerosols from ACE and SAGE III/ISS	Adam Pastorek	20
2:35 PM	18:35	Panel/Session discussion	Session speakers	20
2:55 PM	18:55	Break	All	10
SAGE III/ISS: Cal/Val. Chair: R. Eckman				
3:05 PM	19:05	Variability and trends in stratospheric composition and circulation using SAGE III/ISS and complementary satellite data sets	Sean Davis	20
3:25 PM	19:25	Various approaches to determining particle size distributions from SAGE data	Terry Deshler	15

3:40 PM	19:40	TBD	Lars Kalnajs	20
4:00 PM	20:00	UTLS trend	Anne Thompson	15
4:15 PM	20:15	Panel Discussion	Session speakers	15
4:30 PM	20:30	Adjourn		

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SAGE III/ISS: Modeling, Chairs: J. Wang & R. Eckman				
9:00 AM	13:00	Towards comprehensive modeling and analysis capabilities of UTLS dynamics and composition in GEOS	Steven Pawson	30
9:30 AM	13:30	Q/A		10
9:40 AM	13:40	Composition and Climate Impacts of Increasing Launches to Low Earth Orbit	Kostas Tsigaridis	30
10:10 AM	14:10	Q/A		10
10:20 AM	14:20	The HAWC Mission: Progress towards launch	Adam Bourassa	30
10:50 AM	14:50	Q/A		10
11:00 AM	15:00	Break		10
SAGE III/ISS: Trace Gases #1. Chair: R. Eckman				
11:10 AM	15:10	Investigating the impact of stratospheric composition on CO2 radiative forcing	Brian Soden	20
11:30 AM	15:30	Evaluation of SAGE III v6.0-alpha O3 and H2O data and other related research works	Ray Wang	20
11:50 AM	15:50	Panel discussion	Session speakers	10
12:00 PM	16:00	Lunch Break	All	50
SAGE III/ISS: Trace Gases #2. Chair: J. Wang				
12:50 PM	16:50	GEOS Constituent Data Assimilation Beyond Aura MLS: Assimilating NASA SAGE III/ISS Profiles of Stratospheric Water Vapor	Emma Knowland	20
1:10 PM	17:10	TBD (tropics)	Melody Avery	15
1:25 PM	17:25	Exploring Diurnal Characteristics of O3 and NO2 with the SAGE III/ISS Instrument and GEOS Earth System Model	Pamela Wales	20
1:45 PM	17:45	How is the mass of stratospheric/mesospheric water vapor changing? Examining the evolution of the Hunga plume in the context of the past 39 years	Luis Millan Valle	20
2:05 PM	18:05	Panel discussion	Session speakers	20

2:25 PM	18:25	Break	All	10

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

2:35 PM	18:35	20 Years of Ticosonde Ozone and Water Vapor Profiling in Costa Rica	Ryan Stauffer	15
2:50 PM	18:50	Inter-comparisons between NOAA-21 OMPS LP and SAGE III	Natalya Kramarova	15
3:05 PM	19:05	Resolving the Aerosol Seagull Problem in SAGE III/ISS 6.0.0 Data Products with Updated Ozone Absorption Cross Sections	Michael Heitz	15
3:20 PM	19:20	The SAGE III/ISS Quicklook Website	Kevin Leavor	15
3:35 PM	19:35	Status of Utilization of Disturbance Monitoring Package in Data Products	Charles Anthony Hill	15
3:50 PM	19:50	Sonde Validation Tab Updates	Mary Cate McKee	15
4:05 PM	20:05	Panel discussion	Session speakers	25
4:30 PM	20:30	Break		10

Wrap-up

4:40 PM	20:40	Wrap up	J. Wang, R. Eckman, D. Flittner, NASA HQ	15
4:55 PM	20:55	Adjourn		