

2023 CESM Workshop Whole Atmosphere WORKING GROUP MEETING

June 2023

Tuesday, June 13

** All times are MST; **Speakers:** please leave 5 min at the end of your slot for questions.*

Time	Topic	Speakers
Overview: Center Green Auditorium / Center Bay YouTube Streaming: https://youtube.com/live/UyCbPL4Si7Q?feature=share		
1:30	Welcome and logistics	
1:35-1:50	WAWG Overview and Developments	WAWG Co-Chairs
1:50-2:05	Preliminary Results from WACCM-X/GAMERA Coupling Simulations	Hanli Liu
2:05-2:20	An overview of gravity wave tuning in WACCM7	Nick Davis
2:20-2:35	Examining the response of cirrus cloud microphysics to volcanic aerosol emissions in CESM2 against satellite observations	Lin Lin
2:35-3:00	Discussion	
Break		
3:30-3:45	Fit for purpose? CESM and Solar Radiation Modification experiments	Daniele Vioni
3:45-4:00	The use of the 1-degree Middle Atmosphere configuration of CESM2(WACCM6) in Stratospheric Aerosol Injection studies	Ewa Bednarz
4:00-4:15	Comparison of UKESM1 and CESM2 Simulations Using the Same Multi-Target Stratospheric Aerosol Injection Strategy	Matthew Henry
4:15-4:30	Effects of denitrification on the distributions of trace gas abundances in the polar regions: Comparison of the Whole Atmosphere Community Climate Model with Observations	Doug Kinnison
4:30-4:45	Roles of chemistry and dynamics on stratospheric ozone depletion after the unprecedented water-rich Hunga Tonga eruption	Jun Zhang
4:45-5:00	Discussion	

Posters:

	Comparison of sectional and modal scheme in CESM2(WACCM-MA)	Ilaria Quaglia
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	Simulating the Climate Forcing of Volcanic Aerosols With a Simplified Interactive Model	Joe Hollowed
	Interpretable Deep Learning for the Identification of Sudden Stratospheric Warming Events	Yu-Chiao Liang