

Atmosphere Model Working Group

30th Annual CESM Workshop
June 9th, 2025

Monday, June 9th, 1:30 - 5pm

** All times are MDT; **Speakers:** 10 min. talk. Please leave 2 min at the end of your slot for questions.*

Time	Topic	Speakers
01:30	CAM7 development update	Peter Lauritzen
01:36	Use of tuning diagnostics to understand CAM behavior	Vincent Larson
01:48	Cyclones at Quarter-Degree Resolution: Updated CAM with Prognostic Vs. Diagnostic Momentum Fluxes Compared to CAM5 and CAM6	Ben Stephens
02:00	The CLUBB+MF Approach: Results from the Unified Mixing Parameterization CPT Project	Adam Herrington
02:12	Aerosol Effects on Ice Clouds in a CAM6 Perturbed Parameter Ensemble	Brandon Duran (remote)
02:24	The impact of model resolution on climate in NorESM3	Ada Gjermundsen (remote)
02:36		
02:48	Development of High-resolution Taiwan Earth System Model	Wei-Liang Lee
03:00	Break	
03:30	Using an Aqua-planet Model to Understand Future Changes in the Quasi-Biennial Oscillation	Aaron Johnson
03:42	Insights from the 2025 Dynamical Core Model Intercomparison Project (DCMIP-2025)	Christiane Jablonowski
03:54	QBO, gravity wave, and deep convection responses to surface warming in GFDL AM5 simulations	Lan Luan
04:06	EarthWorks Update	Dave Randall
04:18	Linear stability of divergence and vorticity damping on gnomonic cubed-sphere grids.	Timothy Andrews

04:30	Deep-atmosphere dynamics in Aquaplanets: an E3SM/CESM intercomparison	Owen Hughes
04:42	Mitigation of the double-ITCZ bias by inclusion of the nontraditional Coriolis terms	Hing Ong
04:54	Discussion	
5:00	Adjourn	

Posters
