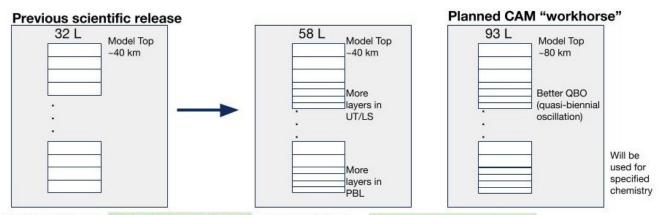
Vertical Resolution

Configurations of CAM-chem



CESM2.2/CAM6 (Finite Volume default) CESM3/CAM7

- Using Modal Aerosol Model with 4 modes (MAM4)
- Specified Dynamics (SD) uses MERRA2 on 32 L

CESM3/CAM7 (Spectral Element default)

- MAM5 (5 modes) when chemistry implemented
 New upper boundary conditions from WACCMX (D. Marsh)
- Marine Organic Aerosol
- Dust module emissions updates
- TUV-x: easy to add new code; online; aerosol interaction

Read about model layer history and our decision to regrid MERRA reanalysis to the CAM or WACCM vertical grid: History of model layers: 56 versus 32