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Model: GISS Model II' SCM (based on predecessor GCM versions GISS SI2000, and with physical parameterization updates as in GISS Model III)

Model Type: 1D

Domain size in z direction: Surface-10 mb  
No. of gridpoints: 35  
Grid size: 25 mb up to 200 mb  
Time step: 1 hr

Numerical technique: AsGR except lateral B.C. determined by ARM advective forcing

Physical parameterizations: AsGR except in stratiform cloud parameterization, if cloud water in the 0 to -40°C range initially forms as supercooled liquid, it is assumed to remain in the liquid phase until the cloud dissipates, unless seeder-feeder glaciation by ice falling from a higher layer occurs (in previous version there was a probability that the cloud could otherwise glaciate before dissipating)

Documentation:

SI2000: Hansen et al. 2002, JGR 107, doi:10.1029/2001JD001143

Model III: Schmidt et al. 2006, J. Clim. 19, 153-192