

Longwave radiation	Rapid Radiative Transfer Model (RRTM)
Shortwave radiation	Goddard shortwave
Microphysics	Thompson
Surface layer	Pleim–Xiu
Land surface	Pleim–Xiu
Planetary boundary layer	ACM2 PBL
Cumulus	Grell–Freitas
CO ₂ advection	Positive–definite advection
biosphere CO ₂ flux	CarbonTracker 2016
ocean CO ₂ flux	CarbonTracker 2016
fire CO ₂ flux	CarbonTracker 2016
fossil fuel CO ₂ flux	CarbonTracker 2016
