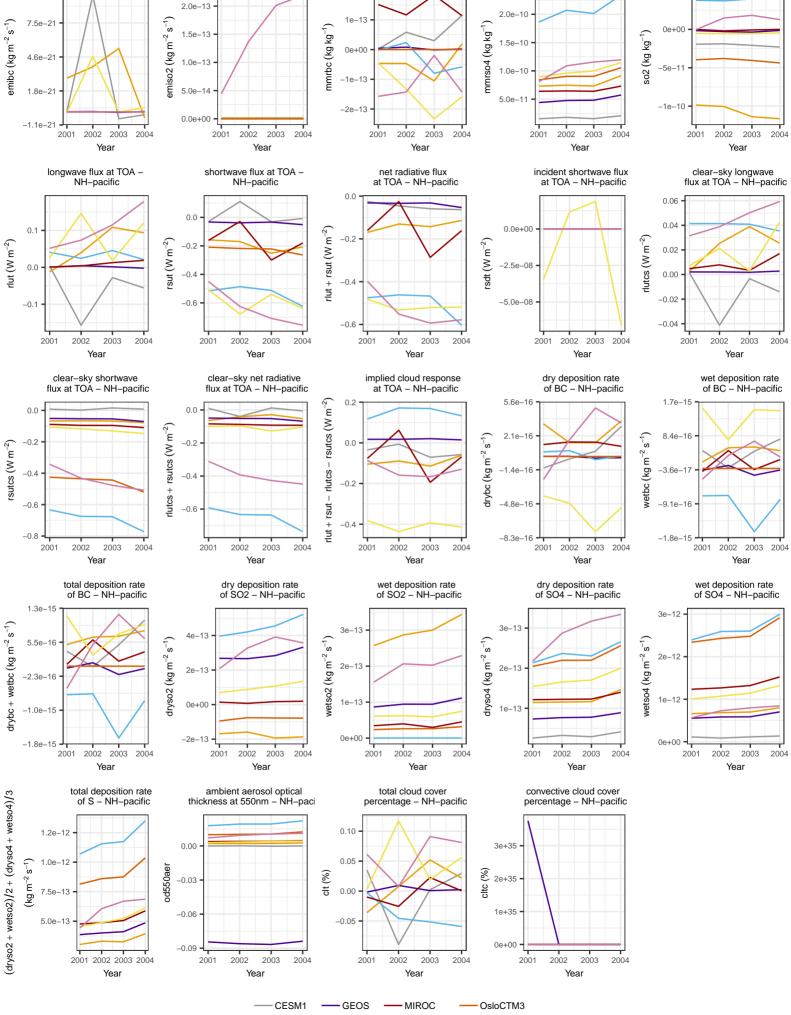
so2-at-height: absolute difference surface flux of SO2 – NH–pacific surface concentration of BC – NH–pacific surface concentration of SO4 – NH–pacific surface concentration of SO2 – NH–pacific 2e-13 2.0e-10 1e-13 mmrbc (kg kg⁻¹) 0e+00 nmrso4 (kg kg so2 (kg kg⁻¹) 0e+00 1 0e-10 5.0e-11 2002 2002 2001 2003 2001 2002 2003 2001 2003 2001 2002 2003 Year Year Year Year net radiative flux at TOA – NH–pacific clear-sky longwave flux at TOA - NH-pacific incident shortwave flux at TOA - NH-pacific 0.0 0.06 0.04 rlut + rsut $(W m^{-2})$ -0.2 rlutcs (W m⁻²) $rsdt (W m^{-2})$ 0.02 0.00 -0.4 -0.02 -5 0e-08 -0.6 -0.04 2003 2001 2003 2002 2003 2001 2003 Year Year Year Year implied cloud response dry deposition rate wet deposition rate at TOA - NH-pacific of BC - NH-pacific of BC - NH-pacific 0.2 1.7e-15 rlut + rsut - rlutcs - rsutcs (W m-2) 5.6e-16 2.1e-16 8.4e-16 $\mathrm{drybc}\,(\mathrm{kg}\,\mathrm{m}^{-2}\,\mathrm{s}^{-1})$ wetbc $(kg m^{-2} s^{-1})$ 0.0 -8.3e-16 2002 2003 2001 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year dry deposition rate of SO4 – NH–pacific wet deposition rate of SO4 – NH–pacific dry deposition rate wet deposition rate of SO2 - NH-pacific of SO2 - NH-pacific wetso2 $(kg m^{-2} s^{-1})$ $dryso4 (kg m^{-2} s^{-1})$ wetso4 (kg m⁻² s⁻¹) 0e+00



E3SM

GISS

NorESM2

UKESM

surface flux of BC – NH–pacific

1.0e-20