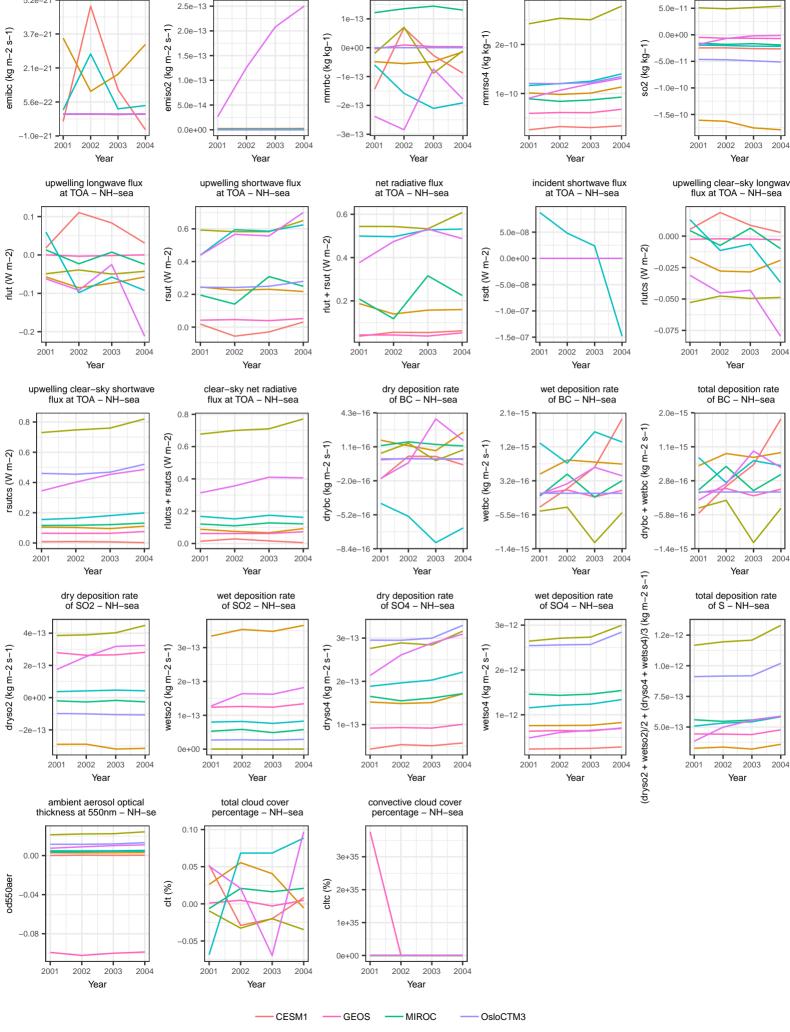
so2-at-height: absolute difference surface concentration of BC – NH–sea surface flux of SO2 – NH–sea surface concentration of SO2 – NH–sea surface concentration of SO4 – NH–sea 0.0e+00 mmrbc (kg kg-1) mmrso4 (kg kg-1 so2 (kg kg-1) 0e+00 -1.0e-10 -1.5e-10 2002 2003 2001 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year net radiative flux at TOA – NH–sea incident shortwave flux at TOA – NH–sea upwelling clear-sky longwave flux at TOA - NH-sea rlut + rsut (W m-2) rlutcs (W m-2) sdt (W m-2) 0.4 -0.025 0.2 -0.050 -0.075 2002 2003 2001 2003 2002 2003 2001 2002 2003 Year Year Year Year dry deposition rate of BC – NH–sea wet deposition rate of BC – NH–sea total deposition rate of BC – NH–sea 4.3e-16 2.0e-15 drybc + wetbc (kg m-2 s-1) drybc (kg m-2 s-1) wetbc (kg m-2 s-1) 3.2e-16 2003 2001 2003 2001 2003 2001 2002 2003 Year Year Year Year + wetso4)/3 (kg m-2 s-1) dry deposition rate of SO4 – NH–sea wet deposition rate of SO4 – NH–sea total deposition rate of S – NH–sea wet deposition rate of SO2 - NH-sea wetso4 (kg m-2 s-1) dryso4 (kg m-2 s-1) (dryso2 + wetso2)/2 + (dryso4 5.0e-13 2002 2003 2001 2002 2003 2004 2001 2002 2003 2002 2003 Year convective cloud cover total cloud cover percentage - NH-sea percentage - NH-sea



E3SM

GISS

NorESM2

UKESM

surface flux of BC – NH–sea