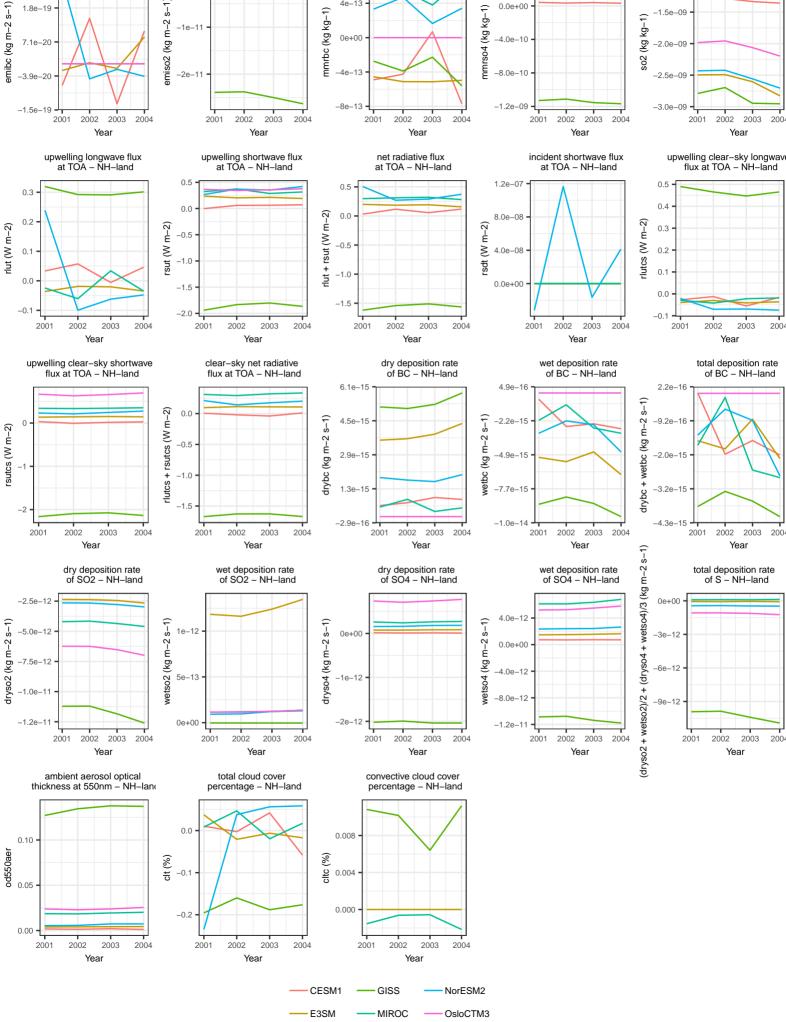
## so2-at-height: absolute difference surface flux of SO2 – NH–land surface concentration of BC – NH–land surface concentration of SO4 – NH–land surface concentration of SO2 – NH–land 0e+00 -1.0e-09 emiso2 (kg m-2 s-1) 0.0e + 0.0mmrbc (kg kg-1) so2 (kg kg-1) mmrso4 (kg 0e+00 -2 0e-09 -8.0e-10 -3.0e-09 2001 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year upwelling shortwave flux at TOA – NH–land net radiative flux at TOA – NH–land incident shortwave flux at TOA – NH–land upwelling clear-sky longwave flux at TOA - NH-land 0.5 0.5 0.4 0.0 rlut + rsut (W m-2) 0.0 rlutcs (W m-2) .sdt (W m-2) 0.3 -0.5-0.5 4.0e-08 0.2 -1.0 0.1 -1.0 0.0e+00 -1.5 0.0 2003 2001 2003 2001 2002 2003 2001 2003 Year Year Year Year dry deposition rate of BC – NH–land wet deposition rate of BC – NH–land total deposition rate of BC – NH–land clear-sky net radiative flux at TOA - NH-land 6.1e-15 4.9e-16 2.2e-16 drybc + wetbc (kg m-2 s-1) 0.0 drybc (kg m-2 s-1) wetbc (kg m-2 s-1) -9.2e-16 -0.52.9e-15 -2.0e-15 -1.0 2003 2001 2002 2003 2001 2001 2002 2003 2001 2002 2003 Year Year Year Year (dryso2 + wetso2)/2 + (dryso4 + wetso4)/3 (kg m-2 s-1) wet deposition rate of SO2 – NH–land total deposition rate of S – NH–land dry deposition rate of SO4 – NH–land wet deposition rate of SO4 – NH–land 0e+00 dryso4 (kg m-2 s-1) (kg m-2 s-1)0e+00 2001 2002 2003 2004 2001 2002 2003 2004 2001 2002 2003 2001 2002 2003 Year Year convective cloud cover total cloud cover percentage - NH-land 0.008



surface flux of BC – NH–land