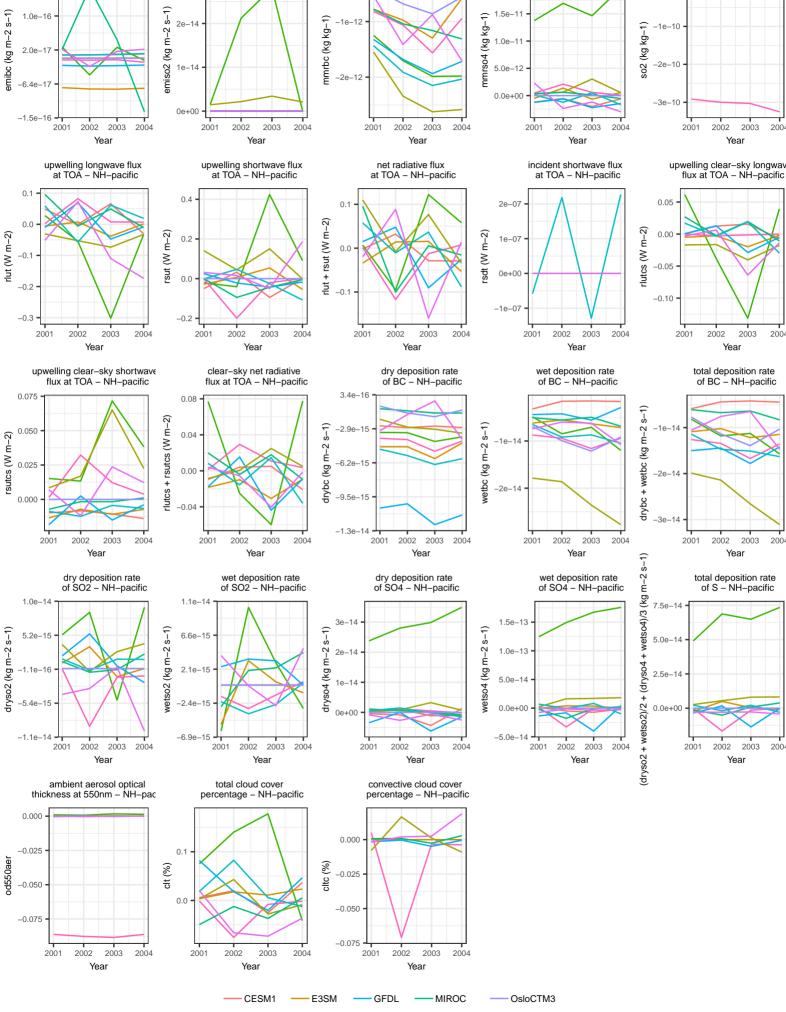
bc-no-season: absolute difference surface flux of SO2 – NH–pacific surface concentration of BC – NH–pacific surface concentration of SO4 – NH-pacific surface concentration of SO2 – NH–pacific 2.0e-11 0e+00 (kg kg-1) nmrbc (kg kg-1) so2 (kg kg-1) 0.0e+00 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year net radiative flux at TOA – NH–pacific incident shortwave flux at TOA – NH–pacific upwelling clear-sky longwave flux at TOA - NH-pacific 0.05 0.1 2e-07 rlut + rsut (W m-2) rlutes (W m-2) 0.00 .sdt (W m-2) 1e-07 -0.05 0e+00 -0.1 -0.102003 2001 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year clear-sky net radiative dry deposition rate wet deposition rate total deposition rate flux at TOA - NH-pacific of BC - NH-pacific of BC - NH-pacific of BC - NH-pacific 3.4e-16 drybc + wetbc (kg m-2 s-1) drybc (kg m-2 s-1) wetbc (kg m-2 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year (dryso2 + wetso2)/2 + (dryso4 + wetso4)/3 (kg m-2 s-1) dry deposition rate of SO4 – NH–pacific total deposition rate of S – NH–pacific wet deposition rate wet deposition rate of SO2 - NH-pacific of SO4 - NH-pacific dryso4 (kg m-2 s-1) wetso4 (kg m-2 s-1) 1.0e-13 5.0e-14 2001 2002 2003 2004 2001 2002 2003 2004 2001 2002 2003 2001 2002 2003 Year Year convective cloud cover total cloud cover percentage - NH-pacific



CESM2

GEOS

GISS

NorESM2

UKESM

surface flux of BC – NH–pacific