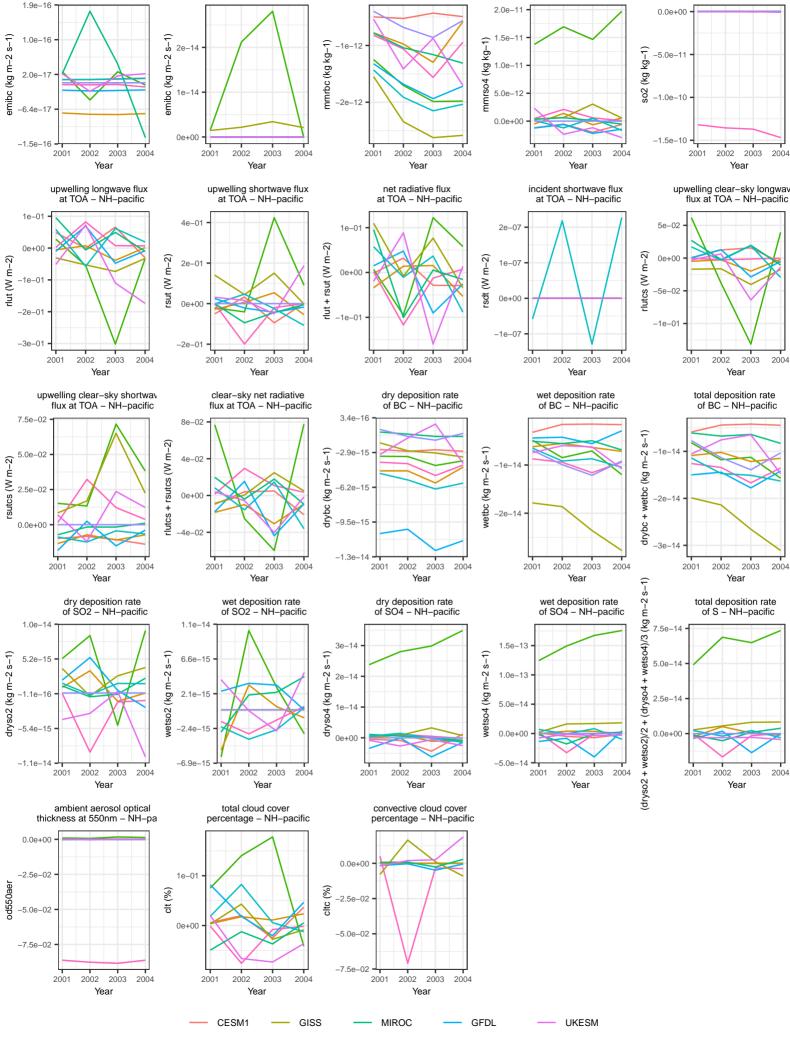
bc-no-season: absolute difference surface flux of SO2 – NH–pacific surface concentration of BC – NH–pacific surface concentration of SO4 – NH–pacific surface concentration of SO2 – NH–pacific 0.0e+00 nmrbc (kg kg-1 so2 (kg kg-1) 1.0emmrso4 (kg 5.0e-12 -1.0e-10 0.00+00 2001 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year upwelling shortwave flux at TOA – NH–pacific net radiative flux at TOA – NH–pacific incident shortwave flux at TOA – NH–pacific upwelling clear-sky longwav flux at TOA - NH-pacific 5e-02 rlut + rsut (W m-2) ·lutcs (W m-2) 0e+00 sdt (W m-2) 1e-07 -1e-01 -1e-01 -1e-072002 2003 2002 2003 2002 2003 2002 2003 2001 2001 2001 2001 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 drybc + wetbc (kg m-2 s-1) drybc (kg m-2 s-1) wetbc (kg m-2 : 2001 2002 2003 2001 2002 2003 2001 2002 2003 2004 2001 2002 2003 Year Year Year Year (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 (dryso2 + wetso2)/2 + (dryso4 5.0e-14 0.0e+00 0e+00 2001 2002 2003 2001 2003 2002 2003 2003 Year Year Year Year total cloud cover convective cloud cover percentage - NH-pacific 0.0e+00 -2.5e-02



E3SM

CESM2

NorESM2

OsloCTM3

GEOS

surface flux of BC – NH–pacific