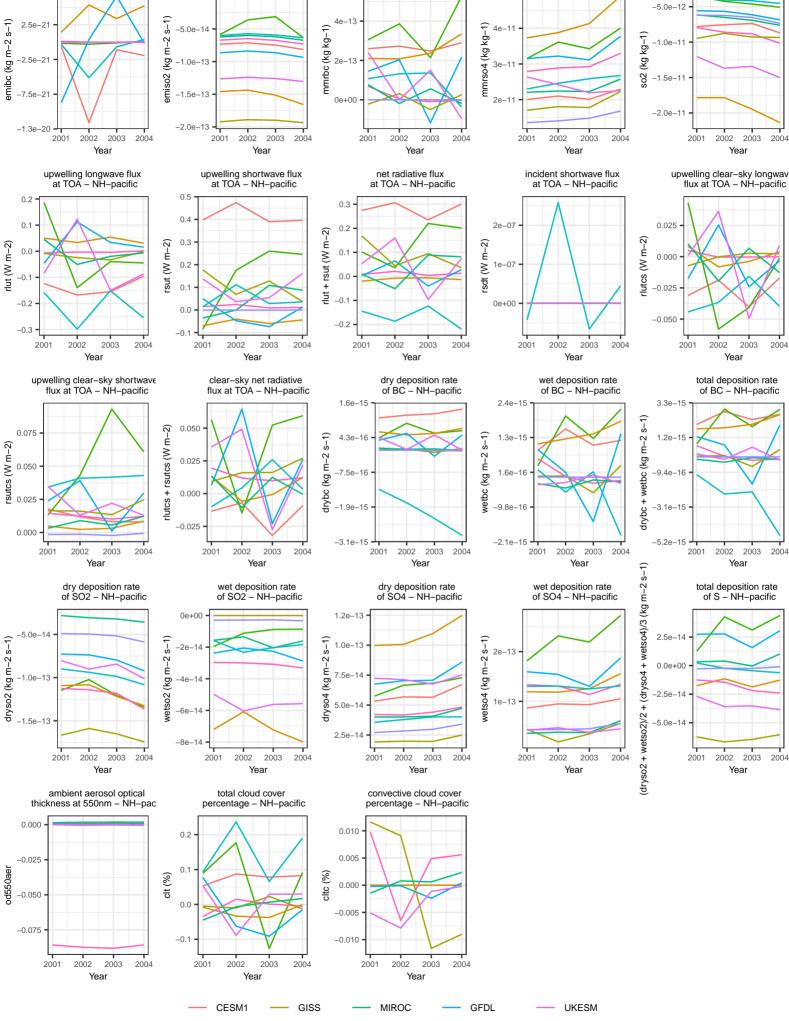
## bc-no-season: absolute difference surface flux of SO2 – NH–pacific surface concentration of BC – NH–pacific surface concentration of SO4 – NH–pacific surface concentration of SO2 – NH–pacific 0.0e+00 mmrbc (kg kg-1) mmrso4 (kg kg-1) so2 (kg kg-1) 0e+00 -2.0e-11 2001 2002 2003 2001 2002 2003 2001 2003 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 longwave flux at TOA - NH-pacific 2e-07 0.025 0.2 rlut + rsut (W m-2) ·lutcs (W m-2) sdt (W m-2) 0.1 0.000 0.0 -0.025 -0.10e+00 -0.050 2004 2002 2004 2003 2003 2002 2003 2001 2003 2001 2002 2001 2002 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 drybc + wetbc (kg m-2 s-1) drybc (kg m-2 s-1) wetbc (kg m-2 s-1) 2001 2002 2003 2001 2002 2003 2004 2001 2002 2003 2004 2001 2002 2003 Year Year Year Year (dryso4 + wetso4)/3 (kg m-2 s-1) wet deposition rate of SO2 – NH–pacific dry deposition rate of SO4 – NH–pacific wet deposition rate of SO4 – NH–pacific total deposition rate of S – NH–pacific dryso4 (kg m-2 s-1) wetso4 (kg m-2 s-1) 0.0e+00 5.0e--5.0e-14 2001 2002 2003 2002 2003 2001 2003 2002 2003 Year Year



E3SM

CESM2

NorESM2

OsloCTM3

**GEOS** 

surface flux of BC – NH–pacific

7.6e-21