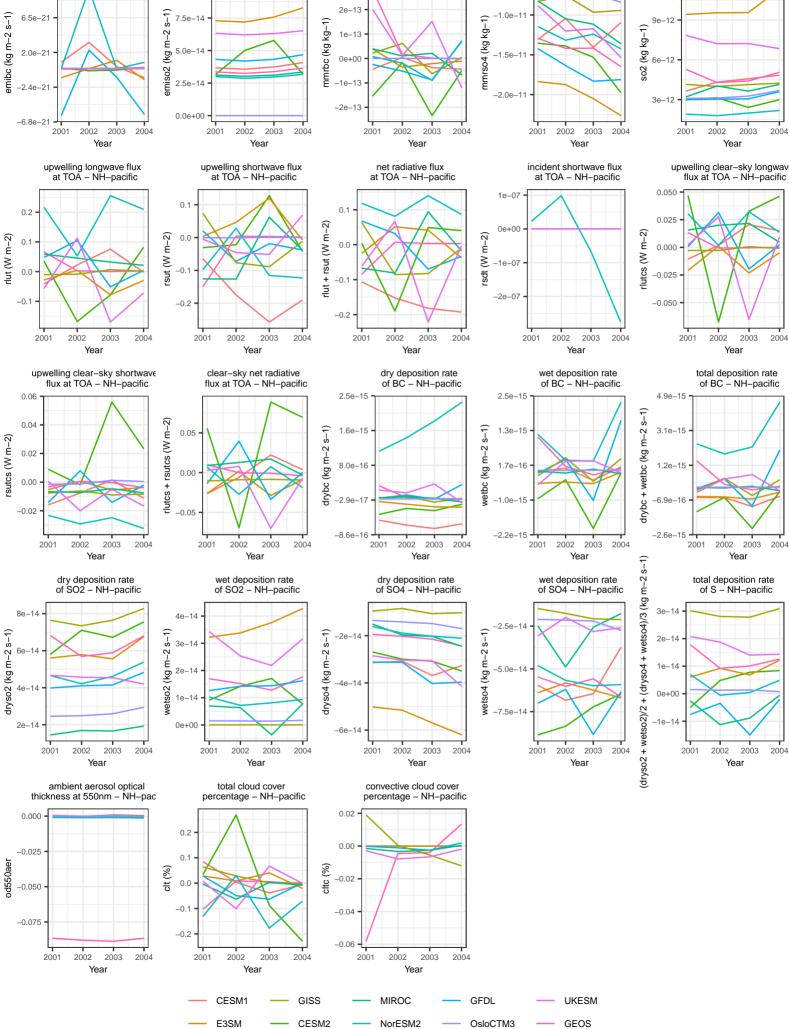
bc-no-season: absolute difference surface flux of SO2 – NH–pacific surface concentration of BC – NH–pacific surface concentration of SO4 – NH-pacific surface concentration of SO2 – NH-pacific 1.0e-13 kg-1) mmrbc (kg kg-1) (kg kg-1) mmrso4 (kg 0e+00 so2 2001 2002 2003 2001 2002 2003 2001 2002 2003 2001 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 longwave flux at TOA - NH-pacific 1e-07 0.1 0.025 rlut + rsut (W m-2) 0e+00 ·lutcs (W m-2) sdt (W m-2) 0.0 0.000 -0.025 -2e-07 -0.050 -0.2 2003 2004 2004 2002 2003 2003 2002 2001 2002 2003 2001 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) 1.6e-15 wetbc (kg m-2 s-1) 8.0e-16 1.2e-15 2001 2003 2001 2002 2003 2004 2001 2002 2003 2004 2001 2002 2003 Year Year Year Year (dryso2 + wetso2)/2 + (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) 1e-14 0e+00 2001 2002 2003 2001 2002 2003 2001 2002 2003 2002 2003 Year Year Year Year convective cloud cover total cloud cover percentage - NH-pacific 0.02 0.00



surface flux of BC – NH–pacific

1.1e-20