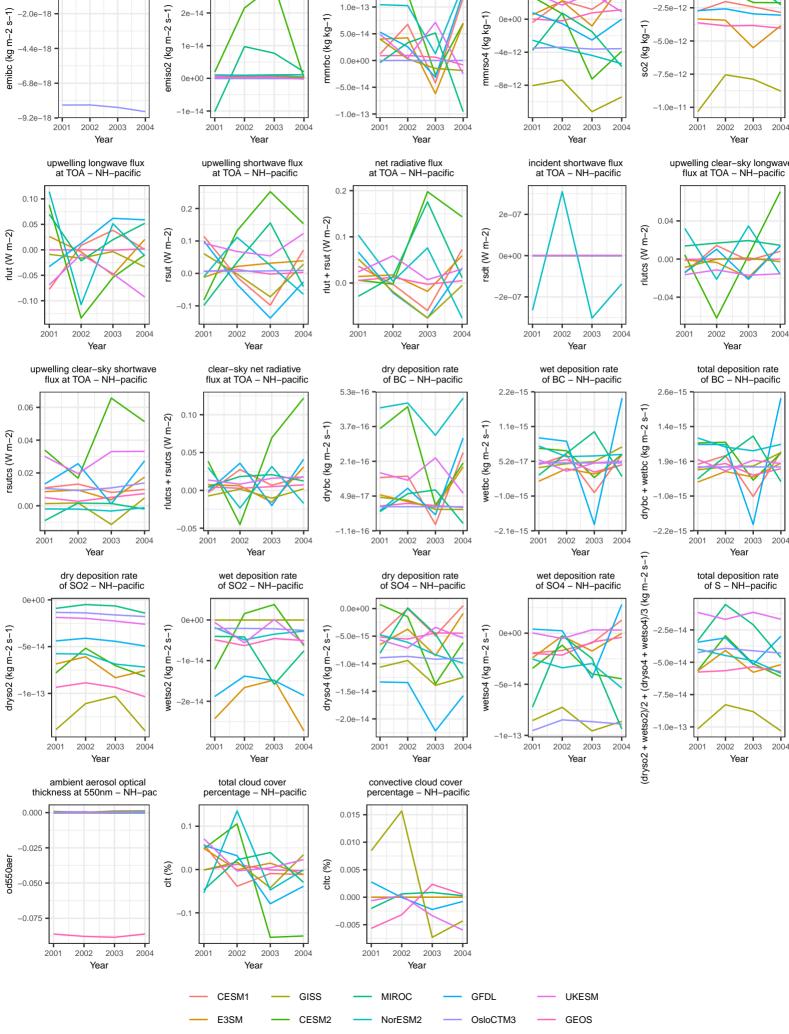
bc-no-season: absolute difference surface flux of SO2 – NH–pacific surface concentration of BC – NH–pacific surface concentration of SO4 – NH–pacific surface concentration of SO2 – NH–pacific 4e-12 1.0e-13 mmrso4 (kg kg-1) mmrbc (kg kg-1) 0e+00 so2 (kg kg-1) 5.0e-14 0.0e+00 -5.0e-14 -1.0e-13 2001 2002 2003 2001 2002 2003 2001 2002 2003 2002 2003 2001 Year Year Year Year upwelling shortwave flux at TOA – NH–pacific upwelling clear–sky longwave flux at TOA – NH–pacific net radiative flux at TOA – NH–pacific incident shortwave flux at TOA – NH–pacific 2e-07 rlut + rsut (W m-2) 0.04 rlutcs (W m-2) rsdt (W m-2) 0 . 0e+00 0.00 0.0 -2e-07 -0.04 2002 2003 2003 2001 2002 2003 2001 2001 2002 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 drybc + wetbc (kg m-2 s-1) wetbc (kg m-2 s-1) drybc (kg m-2 s-1) 2001 2003 2001 2002 2003 2004 2001 2002 2003 2004 2001 2002 2003 Year Year Year Year 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 0e+00 -5.0e-15 (dryso2 + wetso2)/2 + (dryso4 -2.0e-14 2001 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year convective cloud cover total cloud cover percentage - NH-pacific 0.015 0.010 0.005



surface flux of BC – NH–pacific

4.5e-19