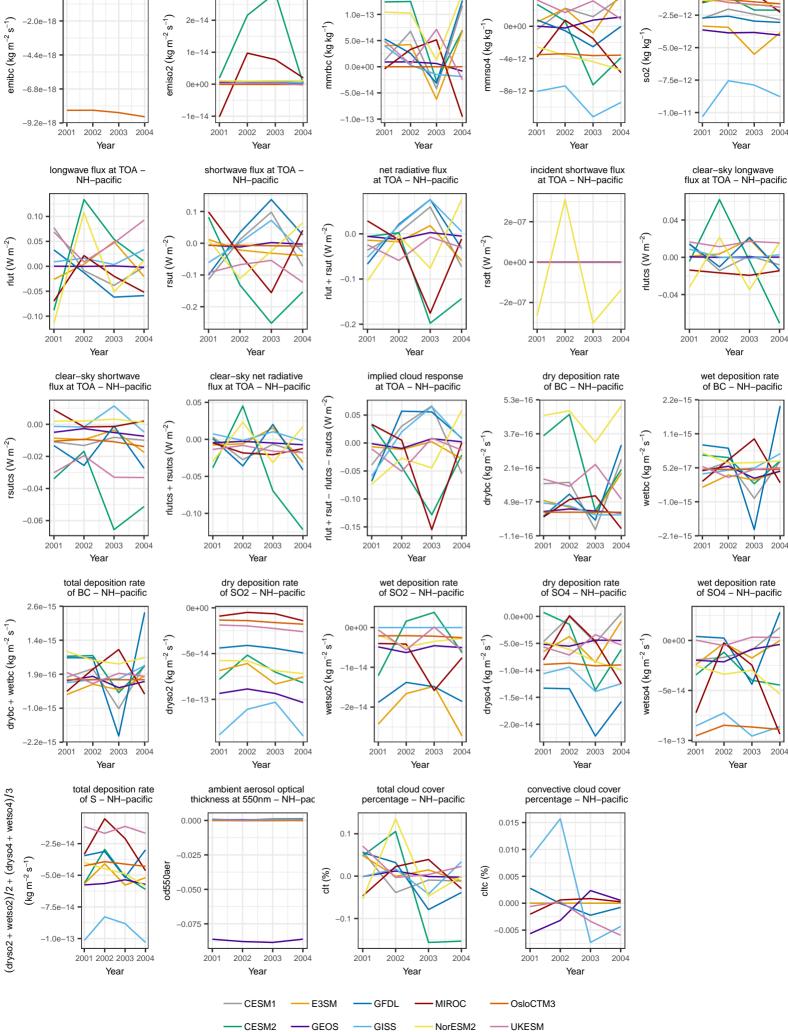
so2-no-season: absolute difference surface flux of SO2 – NH–pacific surface concentration of SO4 – NH–pacific surface concentration surface concentration of SO2 – NH–pacific 3e-14 4e-12 1.0e-13 0e+00 mmrso4 (kg kg⁻¹ mmrbc (kg kg⁻¹) so2 (kg kg⁻1 5.0e-14 1e-14 0.0e+00 0e+00 -8e-12 -1e-14 2001 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 2004 Year Year Year Year shortwave flux at TOA – NH–pacific net radiative flux at TOA – NH–pacific incident shortwave flux at TOA – NH–pacific clear-sky longwave flux at TOA - NH-pacific 0.04 2e-07 rlut + rsut $(W m^{-2})$ rlutcs $(W m^{-2})$ $rsdt (W m^{-2})$ 0.0 0.00 0e+00 -0.1 -0.1 -0.04 -2e-07 -0.2 2001 2002 2003 2001 2002 2003 2001 2003 2001 2002 2003 Year Year Year Year clear-sky net radiative implied cloud response dry deposition rate wet deposition rate flux at TOA - NH-pacific at TOA - NH-pacific of BC - NH-pacific of BC - NH-pacific 2.2e-15 0.05 rlut + rsut - rlutcs - rsutcs (W m⁻²) 0.05 3.7e-16 $drybc (kg m^{-2} s^{-1})$ wetbc $(kg m^{-2} s^{-1})$ 0.00 0.00 2.1e-16 -0.05 -0.05 -0.10 -0.10-0.15 -2 1e-1 2001 2002 2003 2001 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year wet deposition rate of SO4 – NH–pacific dry deposition rate wet deposition rate dry deposition rate of SO2 - NH-pacific of SO2 - NH-pacific of SO4 - NH-pacific wetso2 $(kg m^{-2} s^{-1})$ 0e+00 wetso4 (kg m⁻² s⁻¹ dryso4 (kg $\mathrm{m}^{-2}\,\mathrm{s}^{-1}$ -1.0e-14 2001 2002 2003 2004 2001 2002 2003 2004 2001 2002 2003 2004 2001 2002 2003 Year Year Year ambient aerosol optical convective cloud cover total cloud cover thickness at 550nm - NH-pag percentage - NH-pacific percentage - NH-pacific 0.000 0.015 0.1 0.010



surface flux of BC – NH–pacific