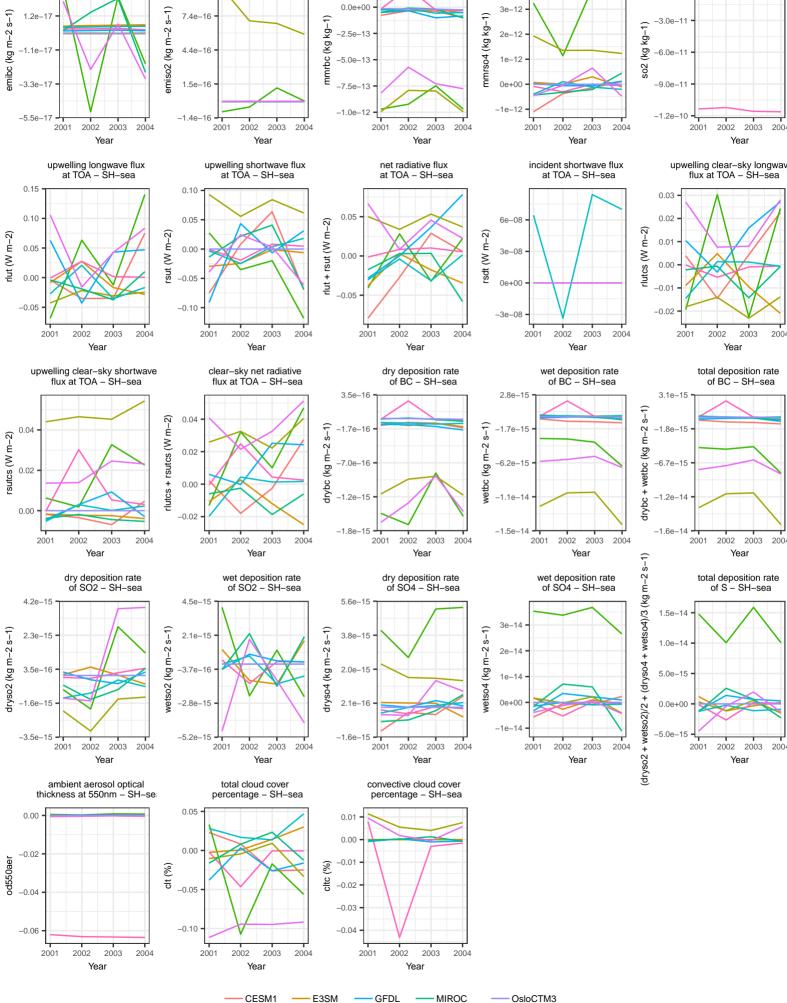
bc-no-season: absolute difference surface flux of SO2 – SH–sea surface concentration of SO2 – SH–sea surface concentration surface concentration of SO4 – SH–sea 0.0e+00 0.0e + 00mmrso4 (kg kg-1) mmrbc (kg kg-1) -3.0e-11 so2 (kg kg-1) -2 5e-13 -6.0e-11 -5.0e-13 1e-12 0e+00 _1 0e_12 2001 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year net radiative flux at TOA – SH-sea incident shortwave flux at TOA – SH–sea upwelling clear-sky longwave flux at TOA - SH-sea 0.03 0.05 rlut + rsut (W m-2) 6e-08 rlutcs (W m-2) rsdt (W m-2) 0.01 3e-08 0.00 0.00 0e+00 -0.01 -0.05 2003 2001 2003 2001 2003 2001 2002 2003 Year Year Year Year dry deposition rate of BC – SH–sea total deposition rate of BC – SH–sea wet deposition rate flux at TOA - SH-sea of BC - SH-sea 3.5e-16 2.8e-15 3.1e-15 drybc + wetbc (kg m-2 s-1) wetbc (kg m-2 s-1) drybc (kg m-2 s-1) -1.8e-15 -6.2e-15 -6.7e-15 2003 2001 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year dry deposition rate of SO4 – SH–sea total deposition rate of S – SH–sea wet deposition rate wet deposition rate of SO2 - SH-sea of SO4 - SH-sea 5.6e-15 dryso4 (kg m-2 s-1) wetso4 (kg m-2 s-1) 3.8e-15 1 0e-14 2e-14 2.0e-15 5.0e-15 1e-14 0e+002001 2002 2003 2001 2002 2003 2004 2001 2002 2003 2004 2001 2002 2003 Year Year



CESM2

GEOS

GISS

NorESM2

UKESM

surface flux of BC – SH–sea