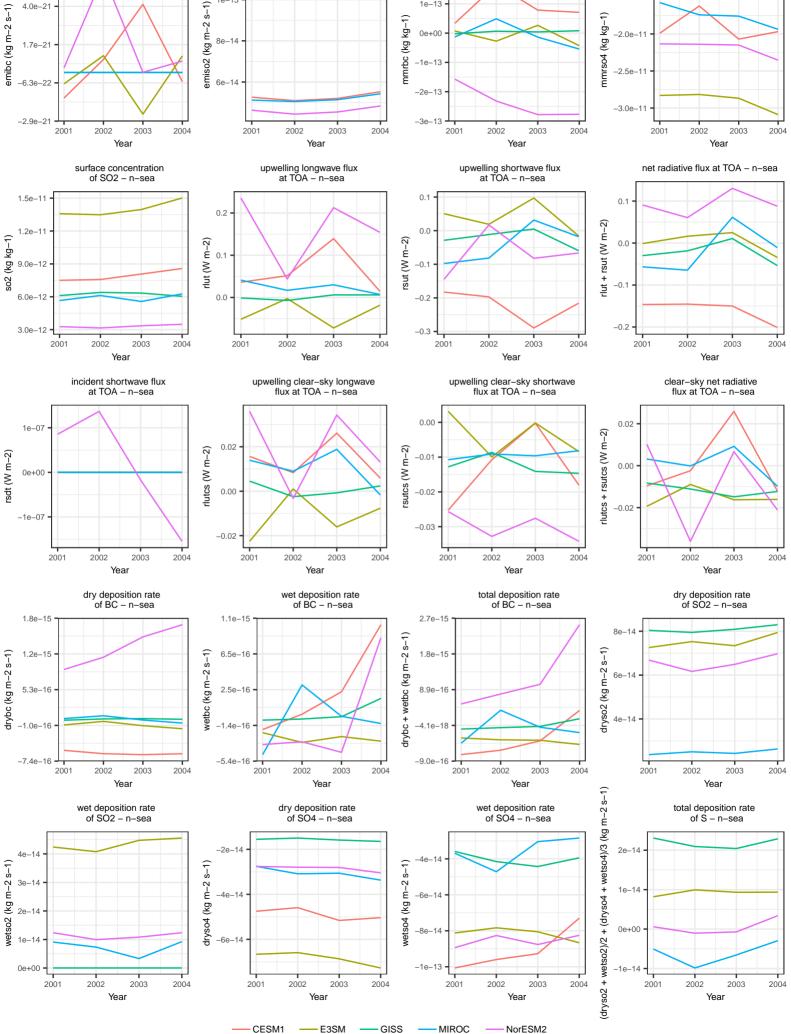
## no-so4: absolute difference surface flux of SO2 - n-sea surface concentration surface concentration of BC - n-sea of SO4 - n-sea -1.5e-1 1e-13 emiso2 (kg m-2 s-1) mmrbc (kg kg-1) mmrso4 (kg kg-1) -2.0e-1 -1e-13 -2e-13 -3.0e-1 2001 2002 2003 2001 2003 2003 2002 2001 2002 Year Year Year upwelling longwave flux at TOA – n–sea upwelling shortwave flux net radiative flux at TOA - n-sea at TOA - n-sea rlut + rsut (W m-2) 0.0 0.0 0.1 -0.1 -0.1 0.0 -0.2 -0.2-0.3 2001 2002 2001 2002 2003 2001 2002 2003 Year Year Year upwelling clear-sky longwave flux at TOA - n-sea upwelling clear–sky shortwave flux at TOA – n–sea clear-sky net radiative flux at TOA - n-sea 0.00 0.02 rlutcs + rsutcs (W m-2) 0.02 rsutcs (W m-2) -0.01 0.00 0.00 -0.02 -0.02 -0.03 -0.02 2004 2001 2004 2004 2001 2002 2003 2002 2003 2001 2002 2003 Year Year Year wet deposition rate of BC – n–sea total deposition rate of BC – n–sea dry deposition rate of SO2 – n–sea 2.7e-15 1.1e-15 drybc + wetbc (kg m-2 s-1) 1.8e-15 dryso2 (kg m-2 s-1) 2.5e-16 8.9e-16 -5.4e-16 -9.0e-16 2001 2003 2004 2003 2004 2003 2002 2001 2002 2001 2002 Year Year Year dry deposition rate wet deposition rate total deposition rate of SO4 - n-sea of SO4 - n-sea of S - n-sea 2e-14



surface flux of BC - n-sea

6.3e-21