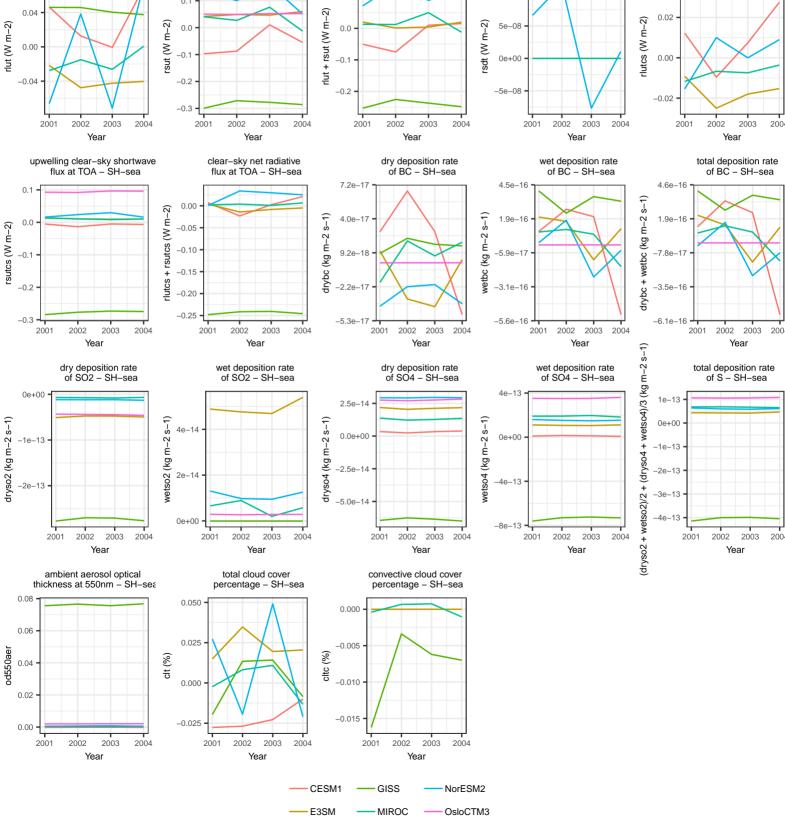
so2-at-height: absolute difference surface flux of SO2 – SH–sea surface concentration of SO2 – SH–sea surface concentration surface concentration of SO4 – SH–sea 0e+00 2e-14 _5 0e_12 mmrso4 (kg kg-1) 0e+00 mmrbc (kg kg-1) so2 (kg kg-1) 0e+00 -2e-14 -2.0e-11 -6e-14 2001 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year upwelling shortwave flux at TOA – SH-sea net radiative flux at TOA – SH–sea incident shortwave flux at TOA – SH–sea upwelling clear-sky longwave flux at TOA - SH-sea 1e-07 rlut + rsut (W m-2) 0.02 rlutcs (W m-2) .sdt (W m-2) 5e-08 0.0 0.00 0e+00 -0.1 -0.02 2003 2001 2003 2001 2002 2003 2001 2003 Year Year Year Year dry deposition rate of BC – SH–sea clear-sky net radiative wet deposition rate total deposition rate flux at TOA - SH-sea of BC - SH-sea of BC - SH-sea 7.2e-17 4.5e-16 4.6e-16 drybc + wetbc (kg m-2 s-1) drybc (kg m-2 s-1) wetbc (kg m-2 s-1) 4.0e-1 1.9e-16 2001 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year (dryso2 + wetso2)/2 + (dryso4 + wetso4)/3 (kg m-2 s-1) total deposition rate of S – SH–sea dry deposition rate of SO4 – SH–sea wet deposition rate wet deposition rate of SO2 - SH-sea of SO4 - SH-sea 0e+00 wetso4 (kg m-2 s-1) dryso4 (kg m-2 s-1) 0.0e+00 0e+00 -1e-13 2001 2002 2003 2001 2002 2003 2004 2001 2002 2003 2004 2001 2002 2003 Year Year convective cloud cover total cloud cover percentage - SH-sea percentage - SH-sea 0.000



surface flux of BC – SH–sea

emibc (kg m-2 s-1)

2001

2002

upwelling longwave flux at TOA – SH–sea

Year

2003

emiso2 (kg m-2 s-1)

