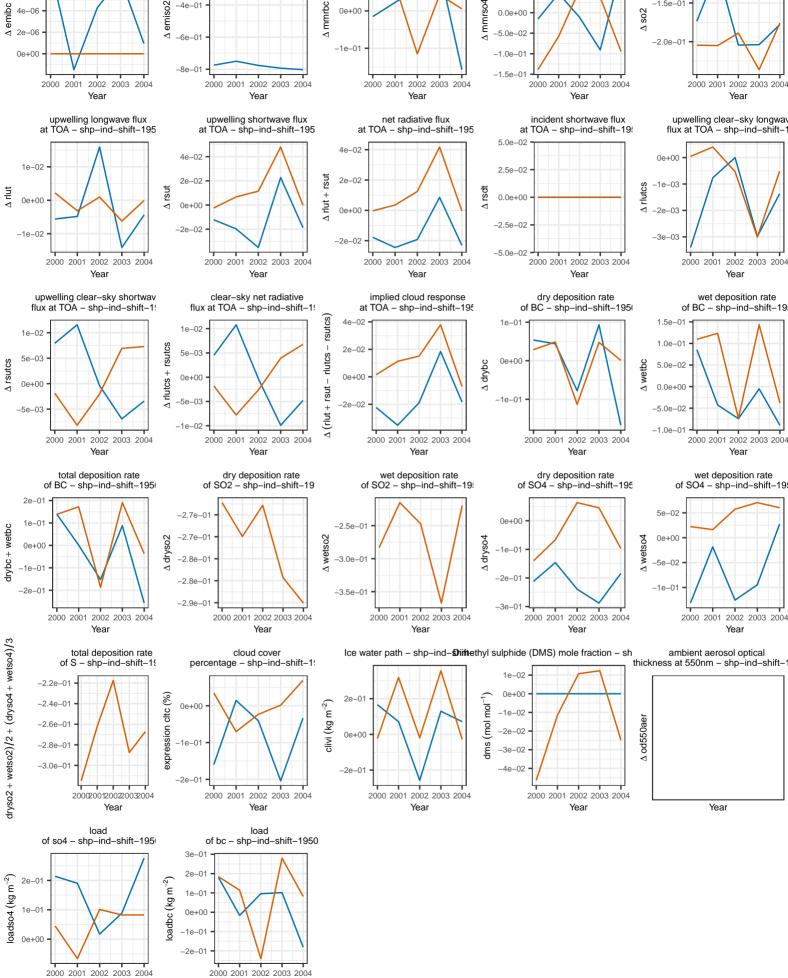
sea: absolute difference surface flux surface concentration surface concentration surface concentration of SO2 - shp-ind-shift-195 of SO2 - shp-ind-shift-19 of BC - shp-ind-shift-1950 of SO4 - shp-ind-shift-198 -2e-01 1e-01 5.0e-02 ∆ mmrbc $\Delta so2$ 0e+00 -5.0e-02 -1e-01 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2000 2001 2002 2003 2004 Year Year Year Year upwelling clear-sky longwav flux at TOA - shp-ind-shift-1 incident shortwave flux at TOA – shp-ind-shift-19! net radiative flux at TOA - shp-ind-shift-195 5.0e-02 4e-02 0e+00 rsut 2e-02 0.0e + 00∆ rlut -0e+00 -2e-03 -2 5e-02 -5.0e-02 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year Year clear-sky net radiative implied cloud response dry deposition rate wet deposition rate at TOA - shp-ind-shift-195 of BC - shp-ind-shift-1950 of BC - shp-ind-shift-195 rsutcs) 1.0e-01 rlutcs-5.0e-02 ∆ drybc 0e+00 rsut -1e-01 -2e-02 rlut + -5.0e-02 -1 0e-01 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year Year dry deposition rate of SO2 – shp–ind–shift–19 wet deposition rate of SO2 – shp-ind-shift-19 dry deposition rate of SO4 – shp–ind–shift–195 wet deposition rate of SO4 – shp-ind-shift-195 5e-02 -2.5e-01 0e+00 -1e-01 _1e_01 -3.5e-01 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year Ice water path - shp-ind-Diffethyl sulphide (DMS) mole fraction - sh cloud cover ambient aerosol optical thickness at 550nm - shp-ind-shift-1 0e+00 2e-01 clivi $(kg m^{-2})$ -1e-02 ∆ od550aeı ow) dms -2e-01 2002 2003 2004 2000 2001 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year



surface flux

6e-06

of BC - shp-ind-shift-1950

Year