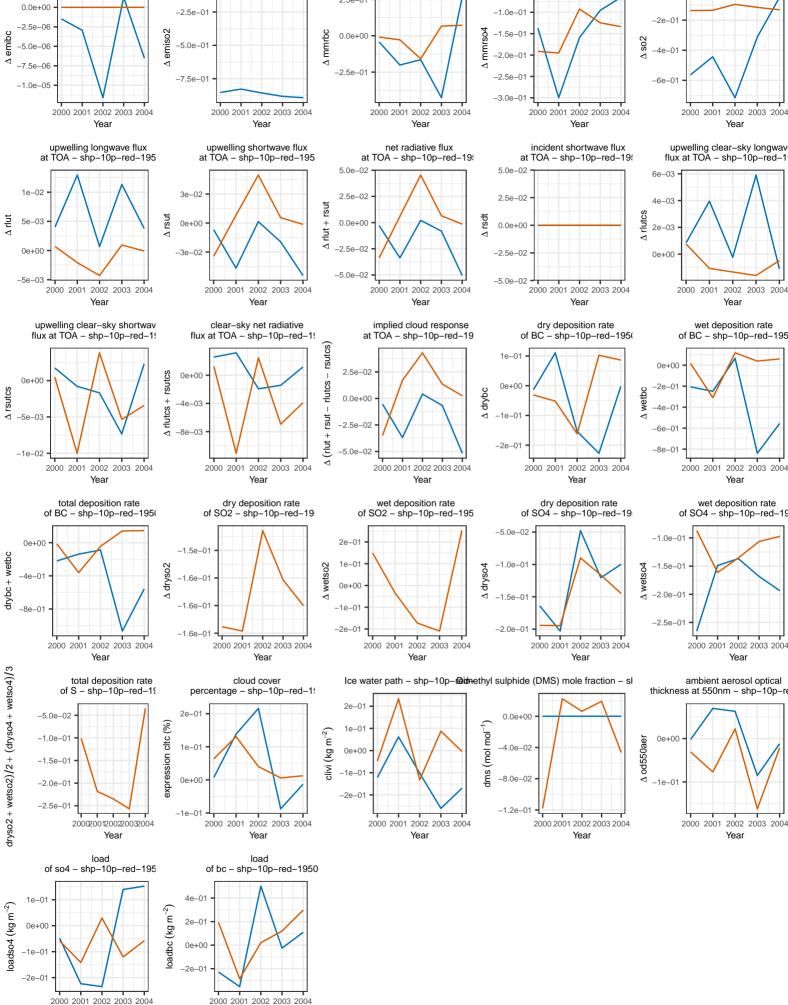
SH-sea: absolute difference surface flux surface concentration surface concentration surface concentration of SO2 - shp-10p-red-19 of SO2 - shp-10p-red-195 of BC - shp-10p-red-195 of SO4 - shp-10p-red-19! -1.0e-01 -2e-01 0.0e+00 ∆ mmrbc -4e-01 -2.5e-01 -2 5e-01 -6e-01 -3.0e-01 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2002 2003 2004 2002 2003 2004 2000 2001 Year Year Year Year upwelling shortwave flux at TOA – shp-10p-red-195 net radiative flux at TOA – shp-10p-red-19 upwelling clear-sky longwave flux at TOA - shp-10p-red-19 incident shortwave flux at TOA – shp-10p-red-199 5.0e-02 5.0e-02 2 56-02 4e-03 ∆ rlut + rsut 0.0e+00 0.0e + 0.0e +-2 5e-02 -2 5e-02 0e+00 -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-10p-red-19 of BC - shp-10p-red-1950 of BC - shp-10p-red-1950 rsutcs) 0e+00 2.5e-02 rlutcs -0e+00 -2e-01 wetbc ∆ drybc 0.0e + 00-6e-01 ij -2e-01 -8e-0 -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 wet deposition rate of SO2 – shp–10p–red–195 dry deposition rate of SO2 – shp–10p–red–19 dry deposition rate of SO4 – shp–10p–red–19 wet deposition rate of SO4 – shp–10p–red–19 -5.0e-02 -1.5e-01 00+00 -1.5e-01 -1e-01 -2.5e-01 -2e-01 -2.0e-01 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Ice water path - shp-10p-rainethyl sulphide (DMS) mole fraction - sl cloud cover ambient aerosol optical thickness at 550nm - shp-10p-re 0.0e+00 clivi (kg m⁻²) _lom lom) smb 0e+00 ∆ od550aer 0e+00 -1e-01 -8.0e-02 -1e-01 -2e-01 -1.2e-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



surface flux

of BC - shp-10p-red-195

Year