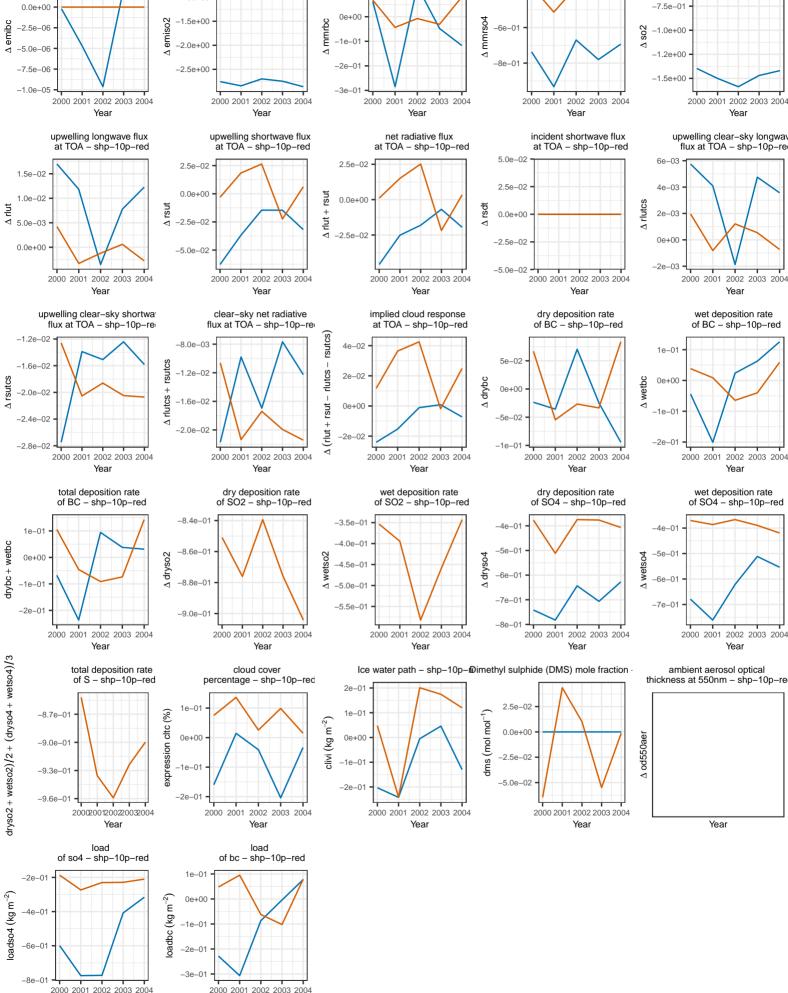
sea: absolute difference surface flux of SO2 – shp–10p–red surface concentration surface concentration surface concentration of BC - shp-10p-red of SO4 - shp-10p-red of SO2 - shp-10p-red -5.0e-01 -1.0e+00 -7.5e-01 0e+00 ∆ mmrso4 -6e-01 -1.0e+00 -1.2e+00 -8e-01 -2e-01 -1.5e+00 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year Year upwelling shortwave flux at TOA – shp–10p–red upwelling clear–sky longwav flux at TOA – shp–10p–red incident shortwave flux at TOA – shp–10p–red net radiative flux at TOA - shp-10p-red 5 0e-02 4e-03 rlut + rsut 0.0e+0.00.0e + 0.0e +-02 0e+00 -2 5e-02 -2e-03 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year clear-sky net radiative implied cloud response dry deposition rate wet deposition rate flux at TOÁ - shp-10p-re at TOA - shp-10p-red of BC - shp-10p-red of BC - shp-10p-red rsutcs) 4e-02 1e-01 5e-02 rlutcs -2e-02 0e+00 △ wetbc ∆ drybc rsut 0e+00 -5e-02 rlut + -2e-02 -2e-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–10p–red wet deposition rate of SO2 – shp–10p–red dry deposition rate of SO4 – shp–10p–red wet deposition rate of SO4 – shp–10p–red -3.5e-01 -4e-01 -4.0e-01 -6e-01 -5.0e-01 -7e-01 -7e-01 -5.5e-01 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Ice water path - shp-10p-@imethyl sulphide (DMS) mole fraction cloud cover ambient aerosol optical percentage - shp-10p-red thickness at 550nm - shp-10p-red 1e-01 clivi (kg m^{-2}) lom lom) smb 0.0e+00 ∆ od550aeı 0e+00 -2.5e-02 -1e-01 -5.0e-02 -2e-01 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

Year

2.5e-06