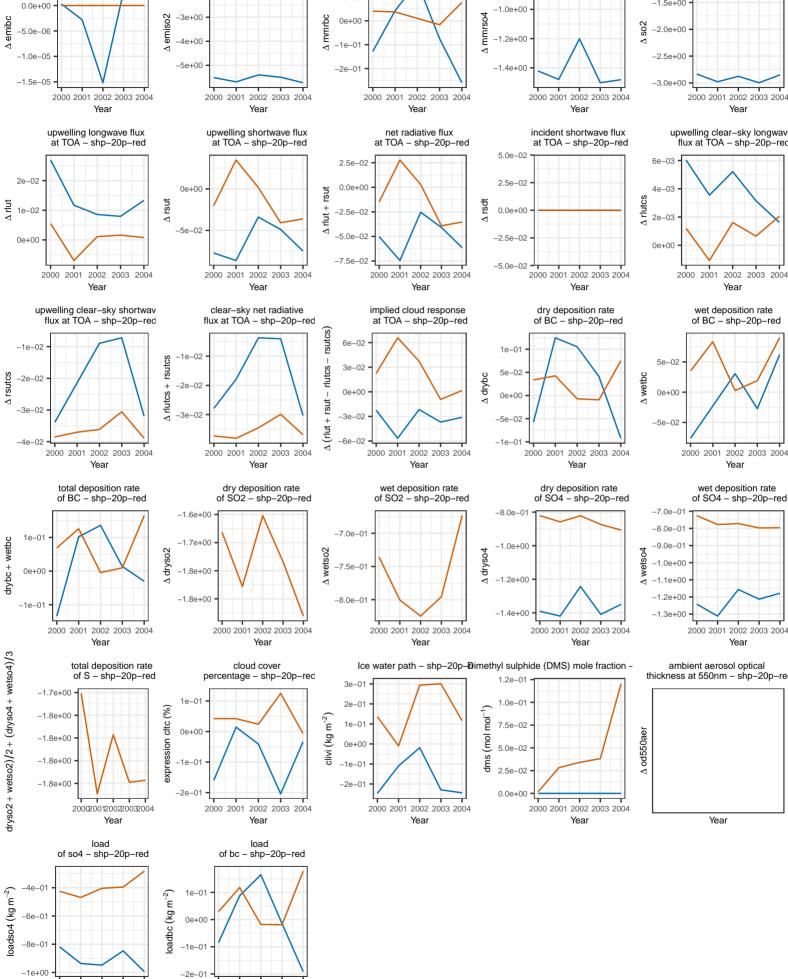
sea: absolute difference surface flux surface concentration surface concentration surface concentration of SO2 - shp-20p-red of BC - shp-20p-red of SO4 - shp-20p-red of SO2 - shp-20p-red -2e+00 1e-01 -1.5e+00 _1 0e+00 0e+00 -1.2e+0.0-2.5e+00 -1.4e+00 -2e-01 -3.0e+00 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year Year upwelling shortwave flux at TOA – shp–20p–red incident shortwave flux at TOA – shp–20p–red upwelling clear–sky longwave flux at TOA – shp–20p–red net radiative flux at TOA - shp-20p-red 5 0e-02 2.5e-02 0.0e+00 4e-03 rsut ∆ rlut + 0.0e + 002e-03 -5.0e-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 flux at TOÁ - shp-20p-red at TOA - shp-20p-red of BC - shp-20p-red of BC - shp-20p-red rsutcs) 1e-01 rlutcs -3e-02 5e-02 ∆ wetbc ∆ drybc 0e+00 rsut -3e-02rlut + 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–20p–red wet deposition rate of SO2 – shp–20p–red dry deposition rate of SO4 – shp–20p–red wet deposition rate of SO4 – shp–20p–red -8.0e-0 -8.0e-0 -7.0e-01 ∆ wetso2 -1 0e+00 -7.5e-01 -1.1e+00 -1.2e+00 -8 0e-01 -1.3e+00 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-20p-Dimethyl sulphide (DMS) mole fraction cloud cover ambient aerosol optical percentage - shp-20p-red thickness at 550nm - shp-20p-red 2e-01 clivi (kg m⁻²) 1e-01 ∆ od550ae Jou J 0e+00 -1e-01 -2e-0 0.0e+00 2002 2003 2004 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2000 2001 Year Year Year Year



surface flux of BC – shp–20p–red

2000 2001 2002 2003 2004

Year

5.0e-06

2000 2001 2002 2003 2004