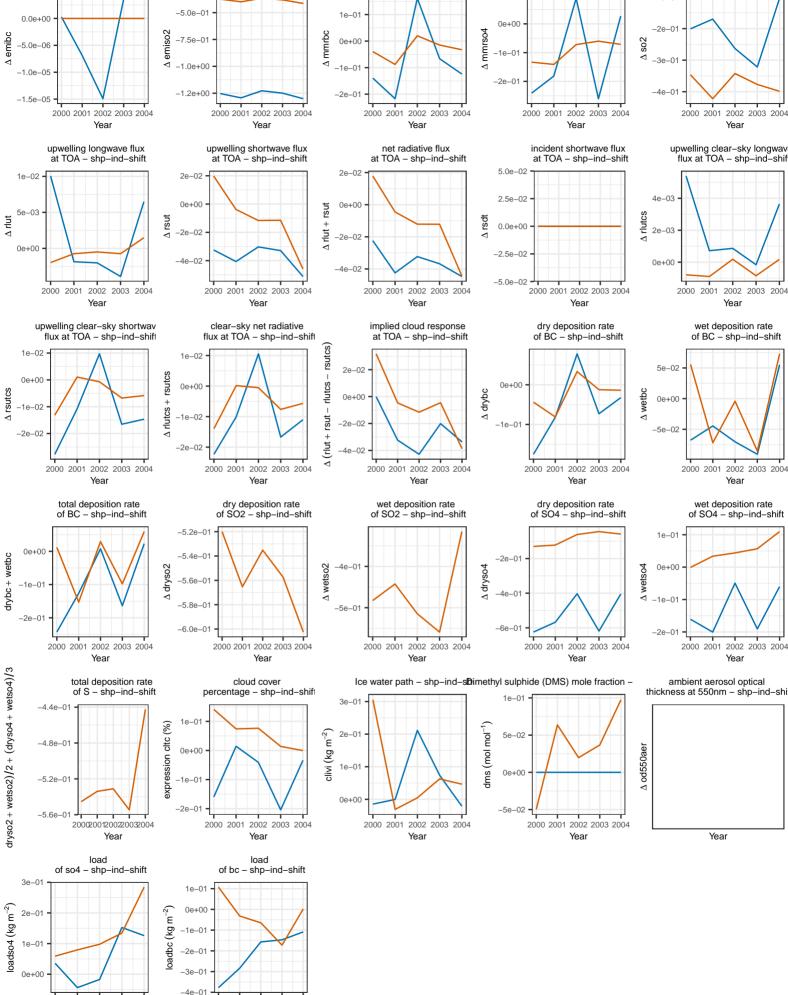
sea: absolute difference surface flux of SO2 – shp–ind–shift surface concentration surface concentration surface concentration of BC - shp-ind-shift of SO4 - shp-ind-shift of SO2 - shp-ind-shift 1e-01 0e+00 -2e-01 $\Delta so2$ 0e+00 -3e-01 -01 -2e-01 -4e-01 2000 2001 2002 2003 2004 2002 2003 2004 2002 2003 2004 2000 2001 2000 2001 2002 2003 2004 2000 2001 Year Year Year Year upwelling shortwave flux at TOA – shp-ind-shift incident shortwave flux at TOA – shp-ind-shift upwelling clear-sky longwave flux at TOA - shp-ind-shift net radiative flux at TOA - shp-ind-shift 2e-02 5 0e-02 0e+00 + rsut 0.0e + 0.0e +∆ rlut 2e-03 -2e-02 -2 5e-02 0e+00 -4e-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-ind-shift at TOA - shp-ind-shift of BC - shp-ind-shift of BC - shp-ind-shift rsutcs) 5e-02 2e-02 rlutcs-△ wetbc △ drybc 0e+00 -1e-01 _5e_02 (rlut + 4e-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 dry deposition rate of SO4 – shp–ind–shift dry deposition rate of SO2 – shp–ind–shift wet deposition rate of SO2 – shp–ind–shift wet deposition rate of SO4 – shp-ind-shift 4e-01 0e+00 ∆ dryso4 ∆ wetso4 -4e-01 -5e-0° -6e-01 -2e-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-ind-spimethyl sulphide (DMS) mole fraction cloud cover ambient aerosol optical thickness at 550nm - shp-ind-shif percentage - shp-ind-shift 1e-01 clivi (kg m^{-2}) _lom lom) smp 5e-02 ∆ od550aer 1e-01 0e+000e+00 -5e-02 2002 2003 2004 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2000 2001 Year Year Year Year load



surface flux of BC – shp–ind–shift

2000 2001 2002 2003 2004

Year

2000 2001 2002 2003 2004