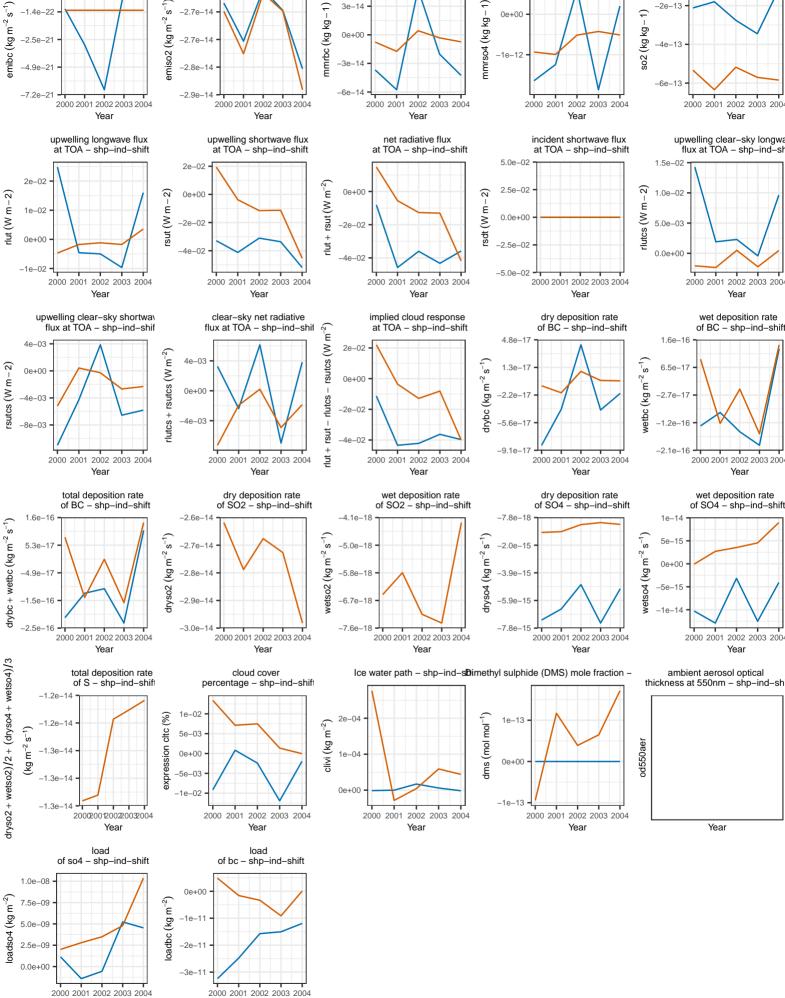
sea: absolute difference surface flux of SO2 – shp–ind–shift surface concentration surface concentration surface concentration of BC - shp-ind-shift of SO4 - shp-ind-shift of SO2 - shp-ind-shift nmrbc (kg kg-1) so2 (kg kg – 1) nmrso4 (kg kg 0e+00 -6e-13 2000 2001 2002 2003 2004 2002 2003 2004 2002 2003 2004 2002 2003 2004 2000 2001 2000 2001 2000 2001 Year Year Year Year upwelling shortwave flux at TOA – shp-ind-shift upwelling clear-sky longway flux at TOA - shp-ind-shi net radiative flux incident shortwave flux at TOA - shp-ind-shift at TOA - shp-ind-shift 5 0e-02 -lut + rsut $(W m^{-2})$ 1.0e-02 0e+00 rsdt (Wm-2)rlutcs (W m-0.0e + 0.05.0e-03 -2e-02 -2 5e-02 0.0e+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 implied cloud response dry deposition rate wet deposition rate clear-sky net radiative flux at TOÁ - shp-ind-shif at TOA - shp-ind-shift of BC - shp-ind-shift of BC - shp-ind-shift rsutcs (W m⁻²) 1.6e-16 2e-02 wetbc (kg m^{-2} s⁻¹ 6.5e-17 drybc (kg $m^{-2} s^{-1}$ 0e+00 rlutcs --2e-02 rsut – -5.6e-17 _9 1e_1 rit + 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 -7.8e-18 wetso4 (kg m⁻² s⁻¹ wetso2 (kg m^{-2} s⁻¹ dryso4 (kg m^{-2} s⁻ -5.8e-18 -3.9e-15 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 clivi (kg m⁻²) _lom lom) smb od550aer 1e-04 0e+00 0e+00 2002 2003 2004 2002 2003 2004 2002 2003 2004 2000 2001 2000 2001 Year Year Year Year



surface flux of BC – shp–ind–shift

Year

Year