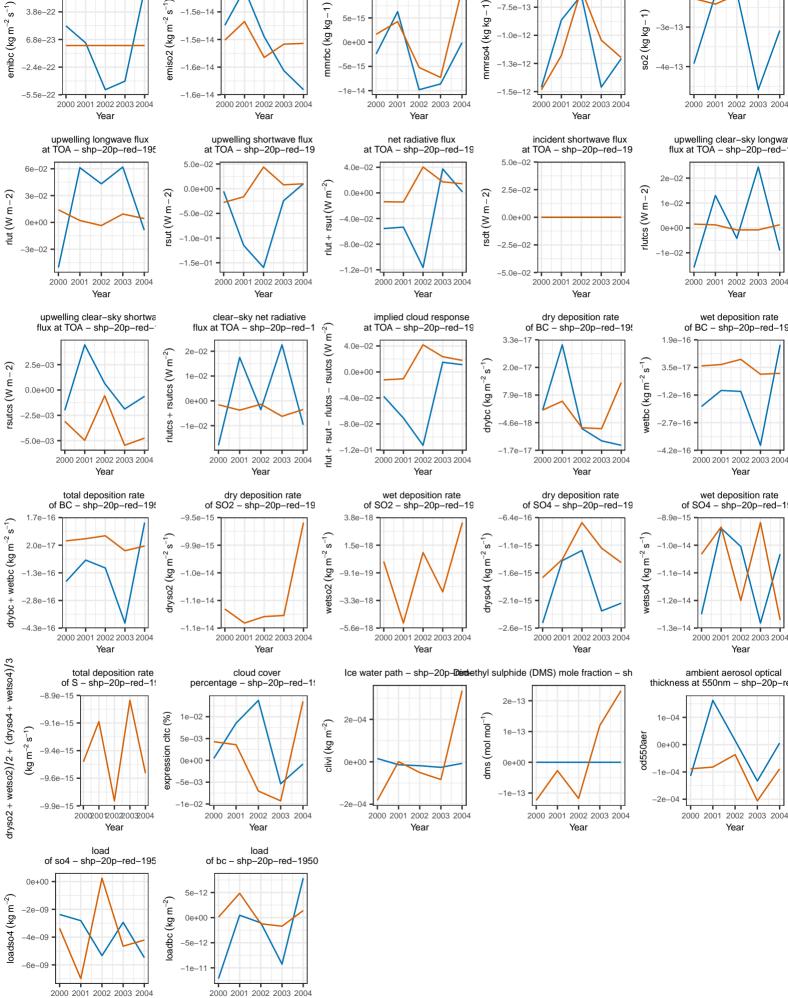
SH-sea: absolute difference surface flux surface concentration surface concentration surface concentration of SO2 - shp-20p-red-19 of BC - shp-20p-red-195 of SO4 - shp-20p-red-19 of SO2 - shp-20p-red-195 -7.5e-13 nmrbc (kg kg-1) so2 (kg kg – 1) (kg kg _1 0e_12 0e+00 mmrso4 2000 2001 2000 2001 2002 2003 2004 2002 2003 2004 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 Year Year Year Year upwelling shortwave flux at TOA – shp–20p–red–19 upwelling clear-sky longway flux at TOA - shp-20p-red-1 incident shortwave flux at TOA – shp–20p–red–19 net radiative flux at TOA - shp-20p-red-19 5.0e-02 m^{-2} rlutes (W m-2) 0.0e+00 (Wm-2)16_02 rsut (W 0.0e + 0.00e+00 rsdt -8.0e-02 -2.5e-02 -1e-02 -1.2e-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 implied cloud response dry deposition rate wet deposition rate clear-sky net radiative flux at TOA - shp-20p-red-1 at TOA - shp-20p-red-19 of BC - shp-20p-red-19 of BC - shp-20p-red-19 rsutcs (W m^{-2}) 4.0e-02 2.0e-17 3.5e-17 drybc (kg $m^{-2} s^{-1}$ vetbc (kg m⁻² s⁻ 0.0e+00 rlutcs -8 0e-02 -4.6e-18 rsut 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–20p–red–19 dry deposition rate of SO2 – shp–20p–red–19 wet deposition rate of SO2 – shp–20p–red–19 wet deposition rate of SO4 – shp–20p–red–19 3.8e -6.4e-16 -8.9e $^{-2}$ s $^{-1}$ dryso4 (kg m^{-2} s⁻ wetso4 (kg m⁻² -9.1e-19 -1.6e-15 -5.6e 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year Ice water path - shp-20p-Diadethyl sulphide (DMS) mole fraction - sh cloud cover ambient aerosol optical thickness at 550nm - shp-20p-re 2e-13 1e-04 2e-04 clivi (kg m⁻²) _lom lom) smb 0e+00 0e+00 -1e-04 -1e-13 2002 2003 2004 2000 2001 2002 2003 2004 2002 2003 2004 2000 2001 2000 2001 2002 2003 2004 2000 2001 Year Year Year Year



surface flux

of BC - shp-20p-red-19

Year

Year