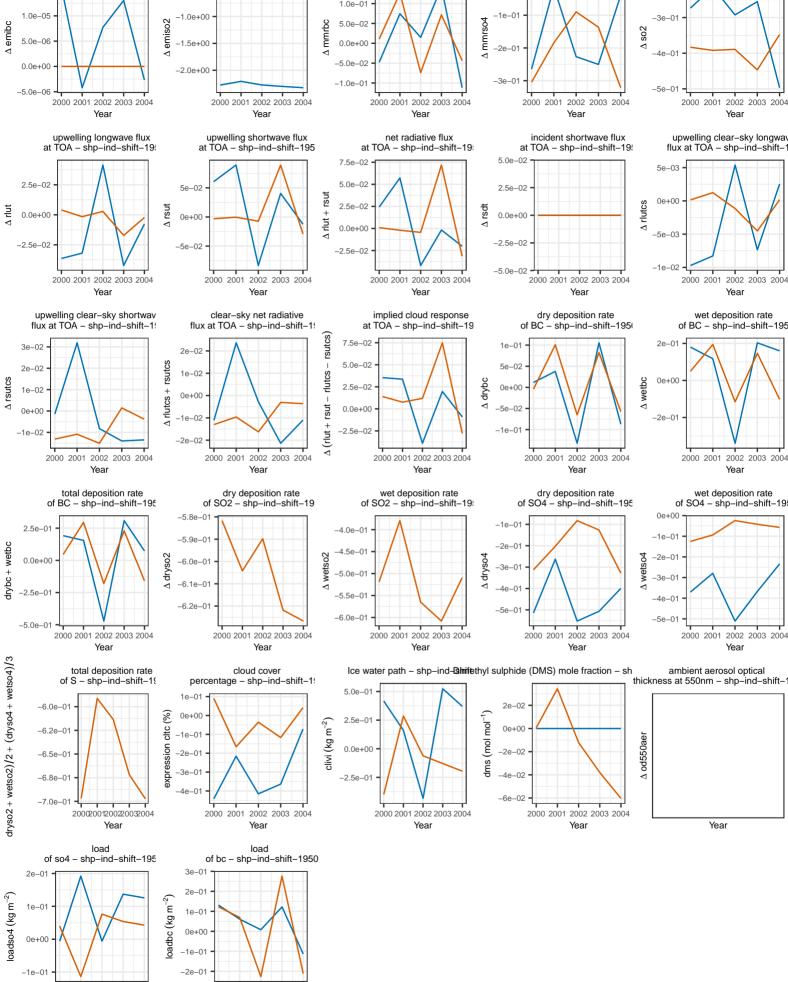
NH-sea: absolute difference surface flux surface concentration surface concentration surface concentration of SO2 - shp-ind-shift-19 of BC - shp-ind-shift-195 of SO2 - shp-ind-shift-195 of SO4 - shp-ind-shift-195 1.5e-01 1.0e-01 -3e-01 5.0e-02 $\Delta so2$ 0.0e+0.0_2e_01 _5 0e_02 -3e-0 -5e-0 2000 2001 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–ind–shift–195 upwelling clear-sky longwav flux at TOA - shp-ind-shift-1 incident shortwave flux at TOA – shp-ind-shift-19! net radiative flux at TOA - shp-ind-shift-19 5.0e-02 7.5e-02 0e+00 0.0e + 0.0e +큳 0.0e+00 -5e-03 -2 5e-02 -2.5e-02 -1e-02 -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 implied cloud response dry deposition rate wet deposition rate clear-sky net radiative flux at TOA - shp-ind-shift-19 at TOA - shp-ind-shift-19 of BC - shp-ind-shift-1950 of BC - shp-ind-shift-195 rsutcs) 7.5e-02 2e-01 5.0e-02 rlutcs -0e+00 △ wetbc 2.5e-02 0e+00 rsut 0.0e+00 -2e-01 -1e-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–ind–shift–19 wet deposition rate of SO2 – shp-ind-shift-19 dry deposition rate of SO4 – shp–ind–shift–195 wet deposition rate of SO4 – shp-ind-shift-195 0e+00 -4.0e-01 -1e-01 -2e-01 -4.5e-01 -2e-01 -3e-01 -5.0e-01 -3e-01 -01 -4e-01 -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-ind-Bhifethyl sulphide (DMS) mole fraction - sh cloud cover ambient aerosol optical percentage - shp-ind-shift-19 thickness at 550nm - shp-ind-shift-1 2e - 022.5e-01 clivi (kg m⁻²) _lom lom) smb 0e+00 ∆ od550aeı 0.0e+00 -2e-02 _2 5e_01 -6e-02 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 Year Year Year Year



surface flux

of BC - shp-ind-shift-195

2000 2001 2002 2003 2004

Year

1.5e-05

2000 2001 2002 2003 2004