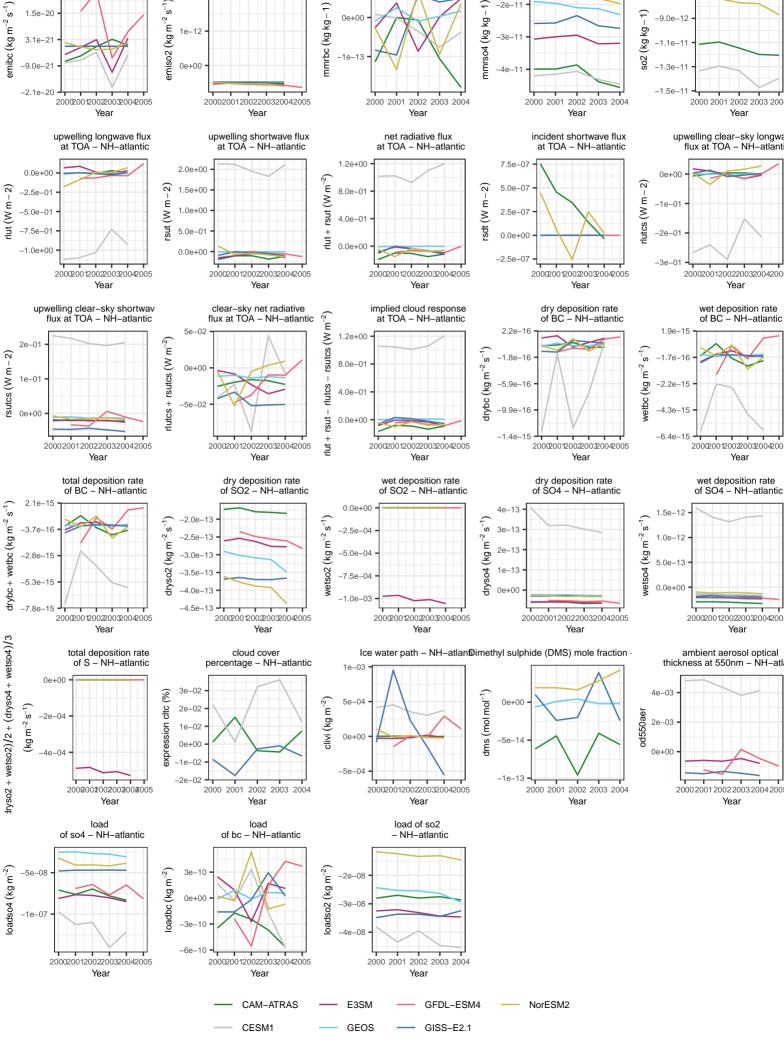
shp-60p-red-1950: absolute difference surface flux of SO2 – NH–atlantic surface concentration surface concentration of SO4 – NH–atlantic surface concentration of SO2 – NH-atlantic -7.0e-12 mmrso4 (kg kg – 1) nmrbc (kg kg-1) (kg kg - 1)1e-12 302 0e+00 200020012002200320042005 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 Year Year Year Year upwelling shortwave flux at TOA – NH–atlantic net radiative flux at TOA – NH-atlantic incident shortwave flux at TOA – NH–atlantic upwelling clear-sky longway flux at TOA - NH-atlantic $rsut (W m^{-2})$ rlutcs (W m-2) 5.0e-07 sdt (Wm-2)8.0e-01 -1e-012.5e-07 4 0e-01 rt H 0.0e+00 0.0e+00 -2.5e-07 200020012002200320042005 200020012002200320042005 200020012002200320042005 200020012002200320042005 Year Year Year Year implied cloud response at TOA – NH–atlantic clear-sky net radiative dry deposition rate of BC – NH-atlantic wet deposition rate flux at TOA – NH–atlantic rsutcs (W m^{-2}) of BC – NH–atlantic 2 2e-16 wetbc (kg $\mathrm{m}^{-2} \mathrm{s}^{-1}$ drybc (kg m⁻² s⁻ 8.0e-01 0e+00 rlutcs rsut-0.0e + 00rlut + 200020012002200320042005 200020012002200320042005 200020012002200320042005 200020012002200320042005 Year Year Year Year dry deposition rate of SO2 – NH–atlantic wet deposition rate of SO2 – NH-atlantic dry deposition rate of SO4 – NH-atlantic wet deposition rate of SO4 – NH-atlantic $vetso2 (kg m^{-2} s^{-1}$ wetso4 $(kg m^{-2} s^{-1}$ dryso4 (kg $\mathrm{m}^{-2}\,\mathrm{s}^{-1}$ 5.0e-13 1e-13 200@0012002200320042005 200020012002200320042005 200020012002200320042005 200020012002200320042005 Year Year Year Year cloud cover Ice water path - NH-atlan@imethyl sulphide (DMS) mole fraction ambient aerosol optical percentage - NH-atlantic thickness at 550nm – NH–atla 36-02 _lom lom) smp clivi (kg m⁻²) 2e-02 2e-03 1e-02 200020012002200320042005 2002 2003 2004 2000 2001 2002 2003 2004 2005 2000 2001 2002 2003 2004 2000 2001 Year Year Year Year load load of so2 - NH-atlantic of bc - NH-atlantic loadso2 (kg m⁻²) 0e+00 -4e-08



surface flux of BC – NH–atlantic

2.7e-20