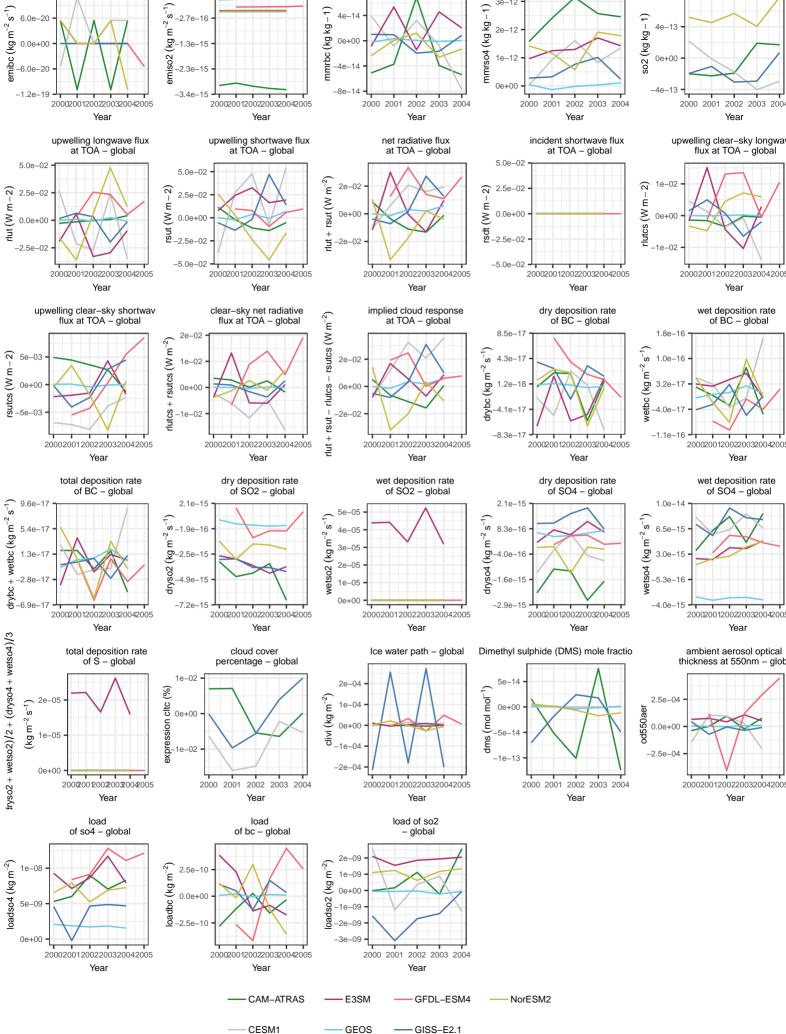
shp-ind-shift-1950: absolute difference surface concentration of SO4 – global surface concentration of SO2 – global surface concentration of BC - global of SO2 - global 7.6e-16 mmrso4 (kg kg – 1) nmrbc (kg kg – 1) so2 (kg kg – 1) 200020012002200320042005 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year Year upwelling shortwave flux at TOA – global upwelling clear–sky longwave flux at TOA – global net radiative flux incident shortwave flux at TOA – global at TOA – global 5 0e-02 $rsut(W m^{-2})$ 2.5e-02 rlutcs (W m-(Wm 0.0e+00 0e+00 + <u>+</u> 10. -2e-02 200020012002200320042005 200020012002200320042005 200020012002200320042005 200020012002200320042005 Year Year Year Year clear-sky net radiative flux at TOA – global dry deposition rate of BC – global wet deposition rate of BC – global implied cloud response rsutcs $(W m^{-2})$ at TOA - global vetbc (kg m⁻² s⁻¹ drybc (kg m⁻² s⁻ rlutcs -3 2e-17 0e+00 rsut -8.3e rlut + 200020012002200320042005 200020012002200320042005 200020012002200320042005 200020012002200320042005 Year Year Year Year dry deposition rate of SO2 – global wet deposition rate of SO2 – global wet deposition rate of SO4 – global dry deposition rate of SO4 – global 2.1e-15 1.0e-14 vetso2 (kg m⁻² s⁻ $(kg m^{-2} s^{-}$ (kg m⁻² s⁻ 8.3e-16 6.5e-15 vetso4 200020012002200320042005 200020012002200320042005 200020012002200320042005 200020012002200320042005 Dimethyl sulphide (DMS) mole fractio cloud cover Ice water path - global ambient aerosol optical percentage - global thickness at 550nm - globa clivi (kg m⁻²) Jom lom) smb 0.0e+00 2000 2001 2002 2003 2004 200020012002200320042005 2000 2001 2002 2003 2004 200020012002200320042005 Year Year Year Year load load of so2 global of bc - global



surface flux

1.2e-19

of BC - global