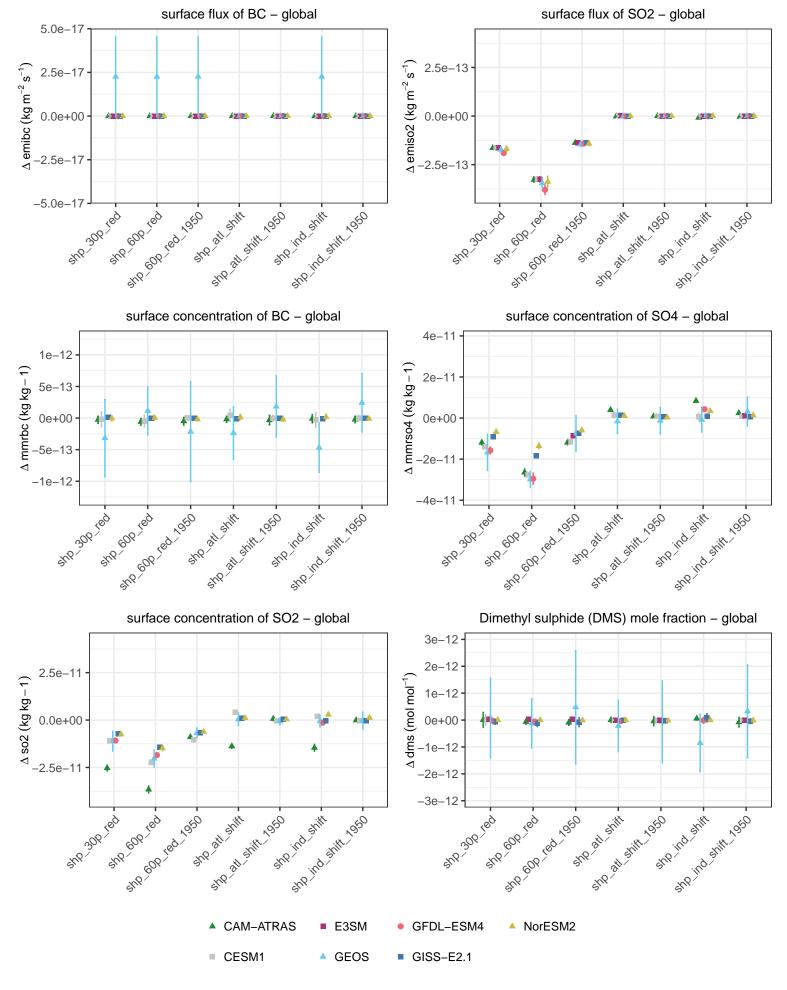
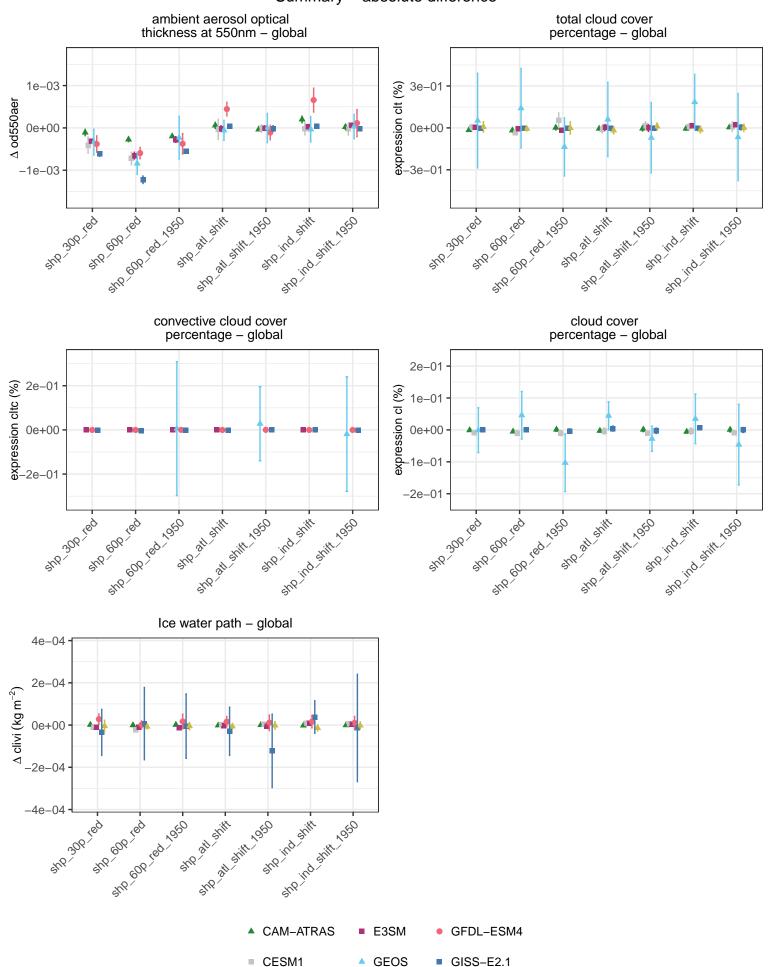
Summary – absolute difference



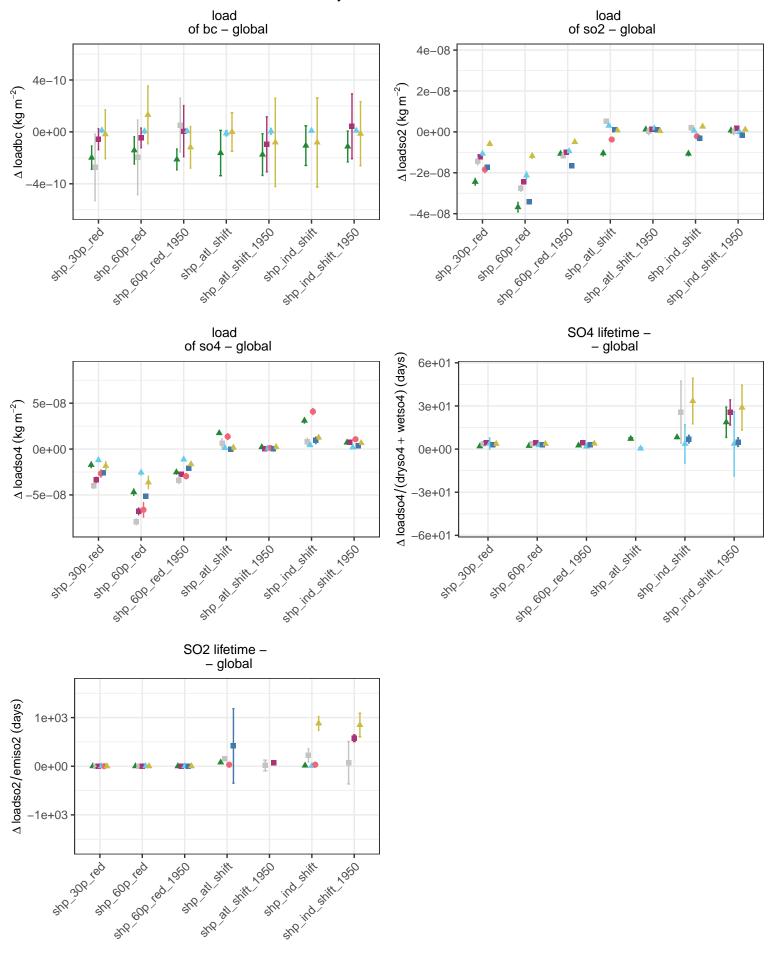
Summary – absolute difference upwelling longwave flux upwelling shortwave flux net radiative flux at TOA - global at TOA - global at TOA - global 0.50 0.50 0.50 Δ rlut + rsut (W m - 2) 0.25 0.25 0.25 $\Delta \operatorname{rsut}(\operatorname{Wm}-2)$ ∆ rlut (W m 0.00 0.00 0.00 -0.25-0.25-0.25-0.50-0.50-0.50+ 1950 510 600 fed 1950 and all arith, 1950 sho ind shift Joso \$10 00 ted 1950 and all shift 1950 Stories Stiff 1950 sho ind shift Joso sho ind shift snP at shift sho ind shift sho all shift she ind shift sing 300 jed ens ens req stp 300 teg SUB PER \$10° 300° jed Sub leg clear-sky net radiative flux implied cloud response at TOA incident shortwave flux at TOA - global global at TOA - global Δ rlut + rsut – rlutcs – rsutcs (W m⁻²) 0.50 0.50 0.50 Δ rlutcs + rsutcs (W m - 2) 0.25 0.25 0.25 rsdt (Wm-2)0.00 0.00 0.00 -0.25 -0.25-0.25-0.50 0.50 +10 60 Fed 1950 SHO all SHIP. -0.50#1600 Fed 1050 strind stift 1960 + 600 Fed 1950 sho ind shift 1960 SIN AN SHIP. 1950 Storid Stit. 1950 Sto of Stiff, 1980 she ind shift sub 300 leg STR all stift sno ind shift STP all shift she ind shift STR SH SHIFT Sub log SUB LEG Sub log upwelling clear-sky longwave upwelling clear-sky shortwave flux at TOA - global flux at TOA - global 0.50 0.50 $\Delta \operatorname{rsutcs} (\operatorname{Wm} - 2)$ Δ rlutcs (W m – 2) 0.25 0.25 0.00 0.00 0.25 -0.25-0.50-0.50 SHO ALL SHIP. #18 60 Fed , 1950 STR 21 STIFF 1950 +10 600 Fed 1950 Str. ind Stift 1950 sho ind shift 1950 sno ind shift sno ind shift STP at Shift STP at Shift Sub leg Sub leg CAM-ATRAS ■ E3SM GFDL-ESM4 NorESM2 CESM1 GEOS GISS-E2.1

Summary – absolute difference



Summary – absolute difference dry deposition rate wet deposition rate total deposition rate of BC - global of BC - global of BC – global 2.5e-15 7.6e-15 4.9e-15 Δ drybc + wetbc (kg m – 2 s – 1) Δ drybc (kg m⁻² s⁻¹) Δ wetbc (kg m⁻² s⁻¹) 1.2e-15 3.8e-15 2.0e-15 0.0e+00 0.0e + 008.2e-16 1.2e-15 3.8e-15 -3.7e–15 STR att Street, and street, an 3.14.600 181. 1950 ... SHO IND SHIP JOSO 214 90 184 1850 T and de distriction of Sur ind stift 1950 and Self Stiff, 1980 sir ind shift 1950 -2.5e-15 \$18° -7.6e-15 ste 300 led -6.5e-15 stp. 300 teg dry deposition rate wet deposition rate dry deposition rate of so2 - global of so2 - global of so4 – global 6e-14 2e-13 Δ dryso2 (kg m⁻² s⁻¹) Δ wetso2 (kg m⁻² s⁻¹) Δ dryso4 (kg m⁻² s⁻¹) 4e-14 3e-14 1e-13 0e+00 0e+00 0e+00 3e-14 4e-14 2e-13 SHO A SHIP LAND SIN ON SHIP TO SHIP OF J.1600 181 1850 410 600 fed 1950 Sto St. St. 1989 sir ind shift 1950 sur ind shift 1950 214 90 to 1 SHP ind shift 1950 , 806 lag sho ind shift STR at STIFF sno ind shift -6e-14 \$10³⁰⁰ 100 \$10\ 600\ 160 sing 300 fed (dryso2 + wetso2)/2 + (dryso4 + wetso4)/3wet deposition rate total deposition rate of S - global of so4 - global 3e-13 2e-13 Δ wetso4 (kg m⁻² s⁻¹) 0e+00 1e-13 $(kg m^{-2} s^{-1})$ 0e+00 -1e-13 -1e-13 -2e-13 and on the start of the start o SHO SHE SHE LING SHE NO. SW 3H SHILL -2e-13 40 00 18d 18d Stop ind Shift 1950 snp ind shift SHO IN SHIP DEO -3e-13 sub ing sing 3019 feed SUB LEGA CAM-ATRAS ■ E3SM GFDL-ESM4 NorESM2 CESM1 GEOS GISS-E2.1

Summary - absolute difference



▲ CAM-ATRAS

CESM1

■ E3SM

GEOS

NorESM2

