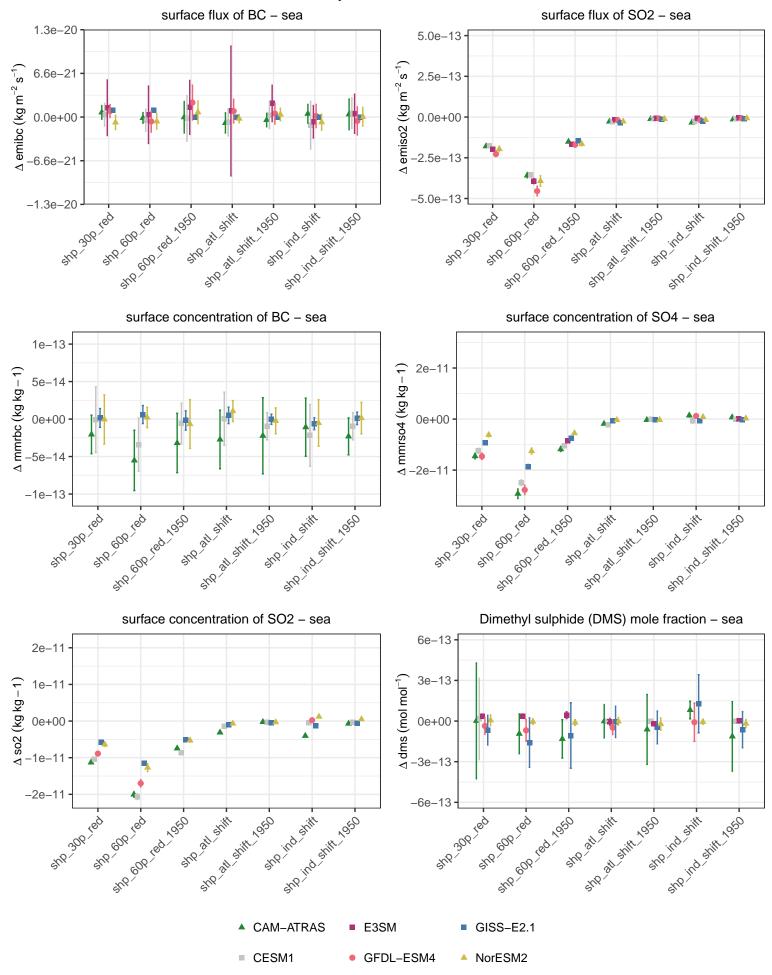
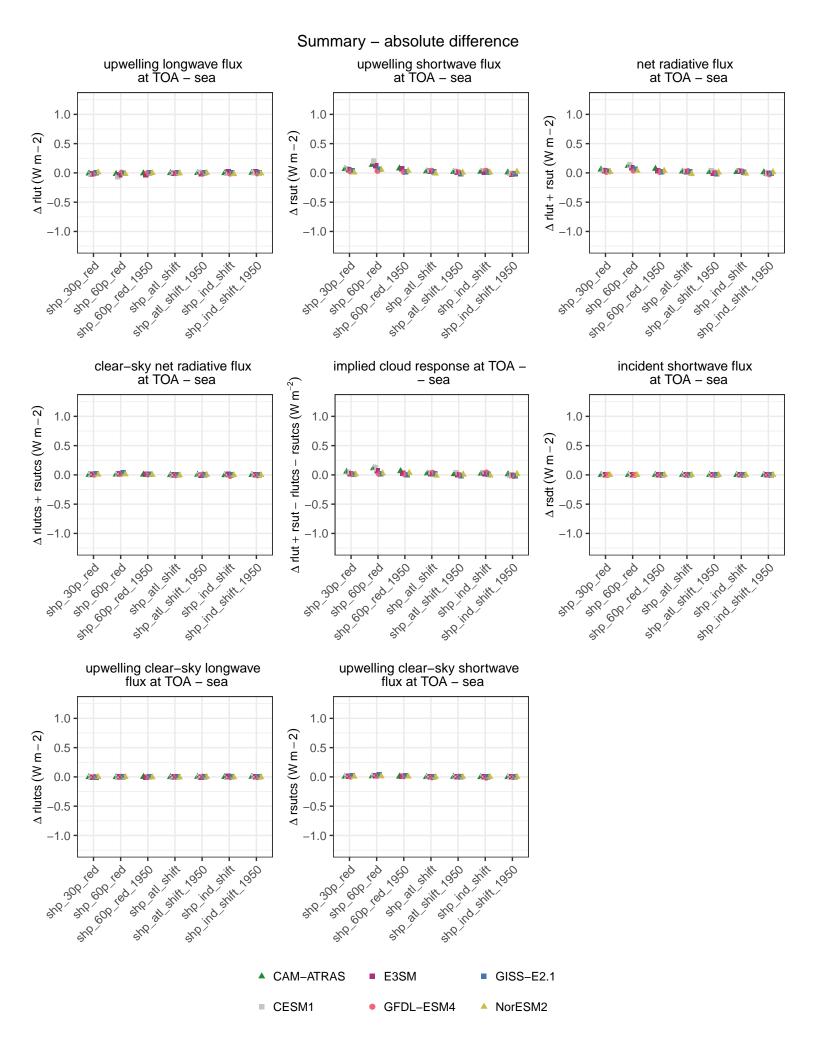
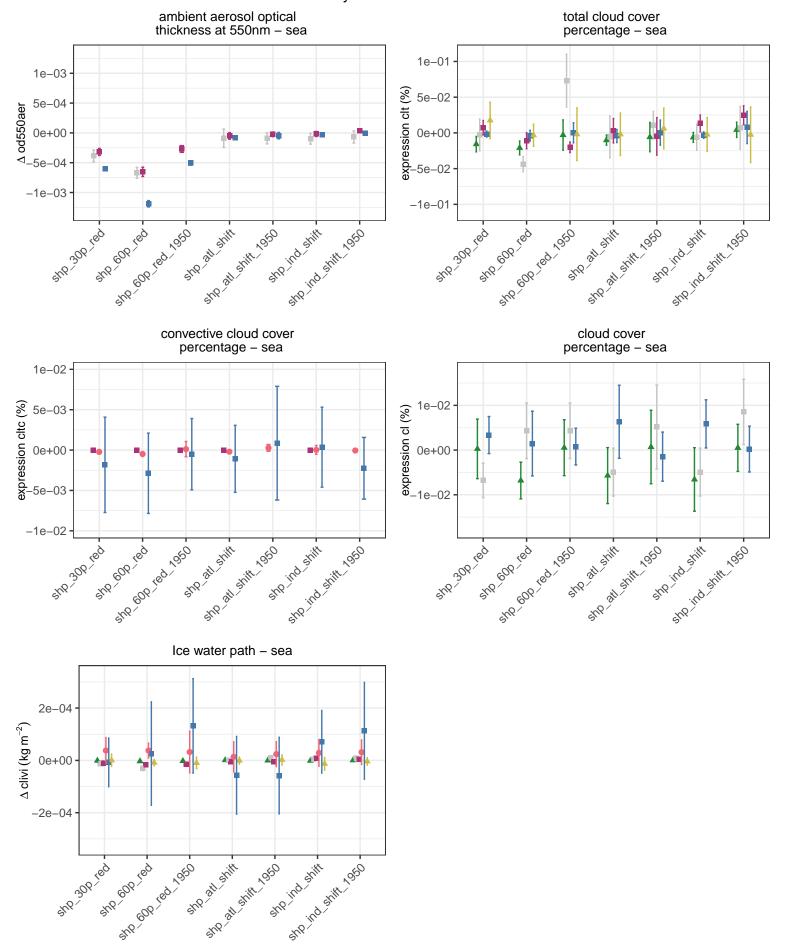
Summary – absolute difference



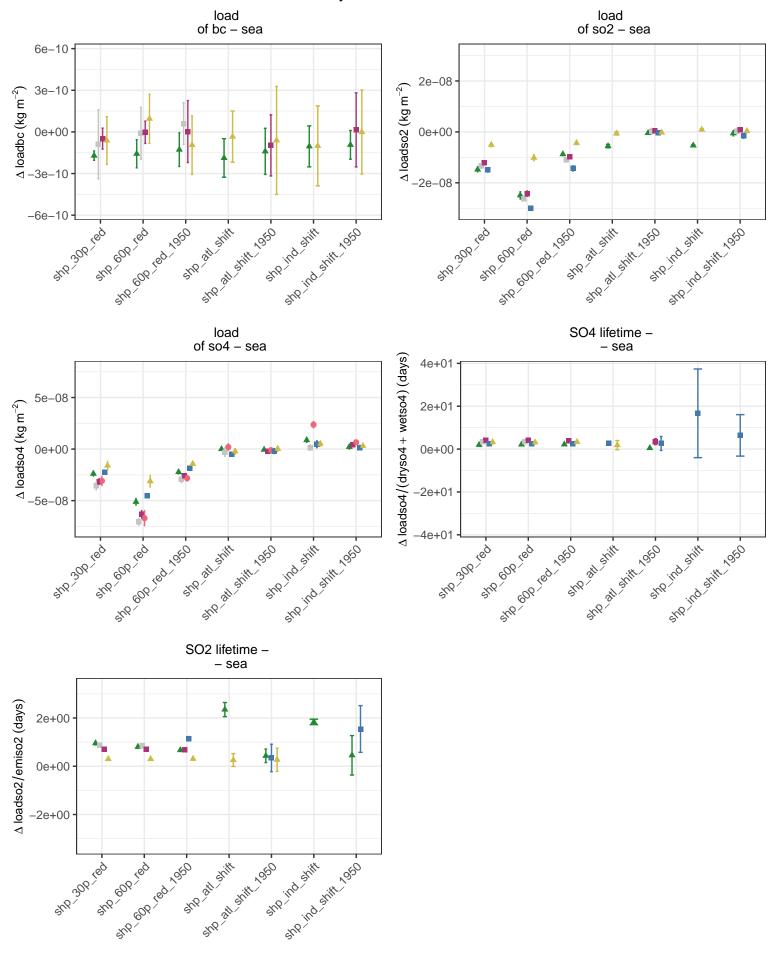


Summary - absolute difference



Summary - absolute difference dry deposition rate wet deposition rate total deposition rate of BC - sea of BC - sea of BC - sea 1.3e-16 6.8e-16 5.4e-16 Δ drybc + wetbc (kg m – 2 s – 1) Δ drybc (kg m⁻² s⁻¹) Δ wetbc (kg m⁻² s⁻¹) 6.6e-17 3.4e-16 2.9e-16 0.0e+000.0e + 003.2e-17 6.6e-17 3.4e-16 2.2e-16 314 600 181 1950 -Str. or Str. ing SHO IND SHIP JOSO ork of diff. 3114 600 184 1850 ... and off shift 1950 Str. ind Stift 1950 -1.3e-16 sub 300 leg -6.8e-16 ste 300 teg -4.7e-16 stre 300 teg dry deposition rate wet deposition rate dry deposition rate of so2 - sea of so2 - sea of so4 - sea 5.0e-14 6e-14 Δ dryso2 (kg m⁻² s⁻¹) 2e-13 Δ wetso2 (kg m⁻² s⁻¹) Δ dryso4 (kg m⁻² s⁻¹ 2.5e-14 3e-14 0e+00 0e+00 0.0e+00·3е--14 -2.5e-14 2e-13 Sto of State -6e-14 3.14.600 fed 1950 318 600 Fed. 1950 on all arity of Sto Still Still Store SHO IND SHIP JOSO sir ind shift 1950 ring on log on h , 600 leg sno ind shift SIR ALL SHIFT she ind shift \$10³⁰⁰ teq SUS PORTER -5.0e-14 sing 300 teg sin 600 teg (dryso2 + wetso2)/2 + (dryso4 + wetso4)/3total deposition rate wet deposition rate of S - sea of so4 - sea 0.0e+002e-13 Δ wetso4 (kg m⁻² s⁻¹) -5.0e-14 1e-13 $(kg m^{-2} s^{-1})$ -1.0e-13 0e+00 -1.5e-13 1e-13 -2.0e-13 2e--13 By Sub Stiff Oppor Sto of Stiff, 1950 SIR All SHIFT snp ind shift sir ind shift 1950 31490 544 349 and ind shift of o sub 300 teg CAM-ATRAS ■ E3SM GISS-E2.1 CESM1 GFDL-ESM4 NorESM2

Summary - absolute difference



▲ CAM-ATRAS

CESM1

E3SM

NorESM2

Summary - absolute difference Δ clear – sky shortwave flux (W m $^{-2}$) Δ shortwave flux (W $\mathrm{m}^{-2})$ Δ shortwave flux (W m⁻²) 0.2 -0.2 0.02 -0.1 -0.1 -0.01 -0.00 0.0 -0.0 -7.5e-085.0e-082.5e-080.0e+002.5e-08 -3e-08 -1e-08 Δ SO2 column burden (kg m⁻²) Δ SO4 column burden (kg m⁻²) Δ SO2 lifetime (days) Δ SO4 column burden (kg m $^{-2}$) 0e+00 **-**30 -∆ SO2 lifetime (days) ∆ SO4 lifetime (days) -2e-08 **-**20 -10 -0 -0 --7.5e-085.0e-082.5e-080.0e+002.5e-08 0e+00 -3e-08 -2e-08 -1e-08 0e+00 -2e-08 -3e-08 -1e-08 Δ SO2 column burden (kg m⁻² Δ SO2 column burden (kg m⁻²) Δ SO4 column burden (kg m⁻²) 0e+00 -∆ SO2 column burden (kg m⁻²) Δ net radiative flux (W m $^{-2}$) 0.15 -2.5e-13 - Δ DMS (mol mol⁻¹) 0.10 -1e-08 0.0e+00 0.05 2e-08 0.00 -2.5e-13 -0.05 -3e-08 -3e-08 -2e-08 -1e-08 0e+00 -2.0e-11.5e-11.0e-15.0e-020e+00 -2e-08 Δ SO2 (kg kg⁻¹) Δ SO2 lifetime (days) Δ SO2 column burden (kg m⁻²)

CAM-ATRAS

CESM1

E3SM

-GFDL-ESM4

GISS-E2.1

NorESM2