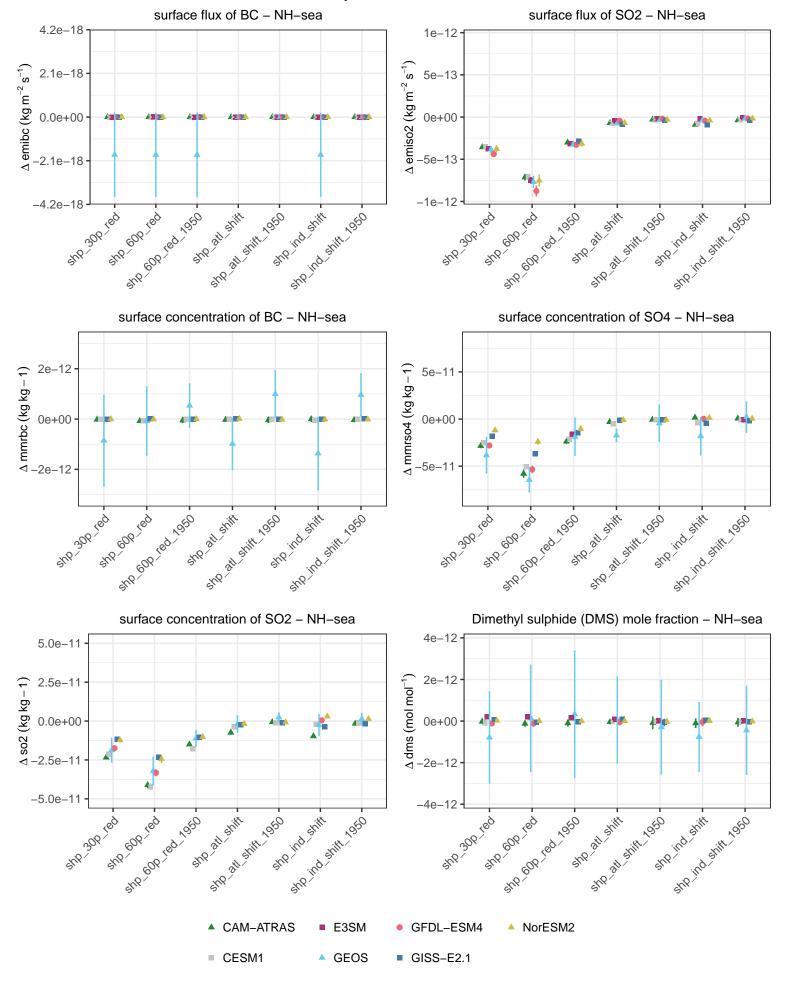
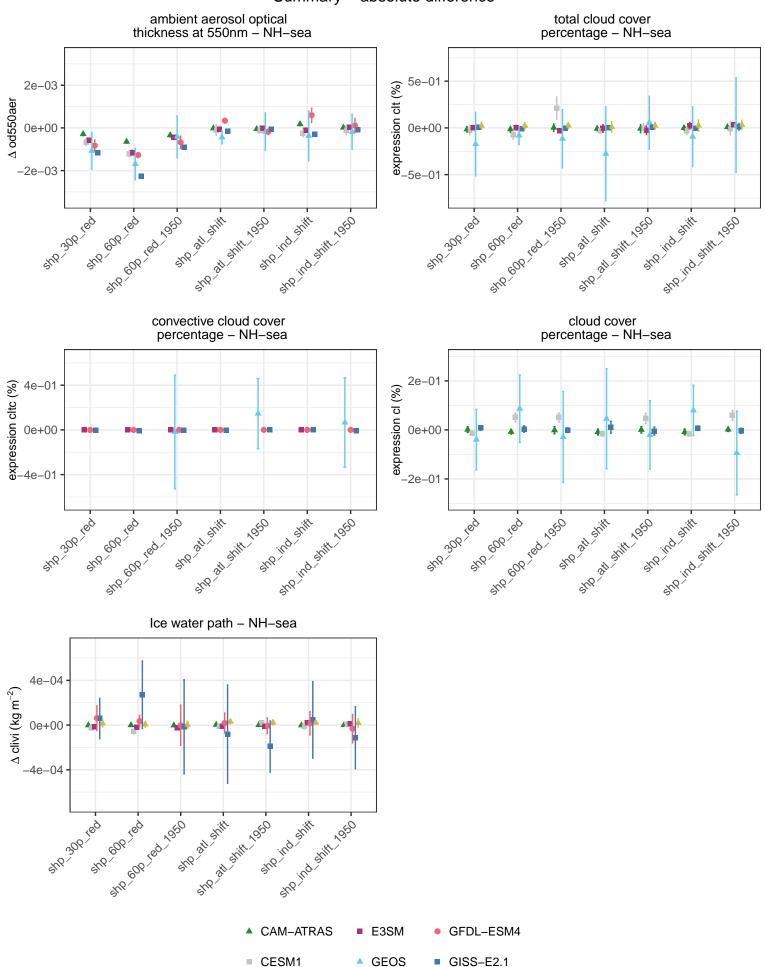
# Summary – absolute difference



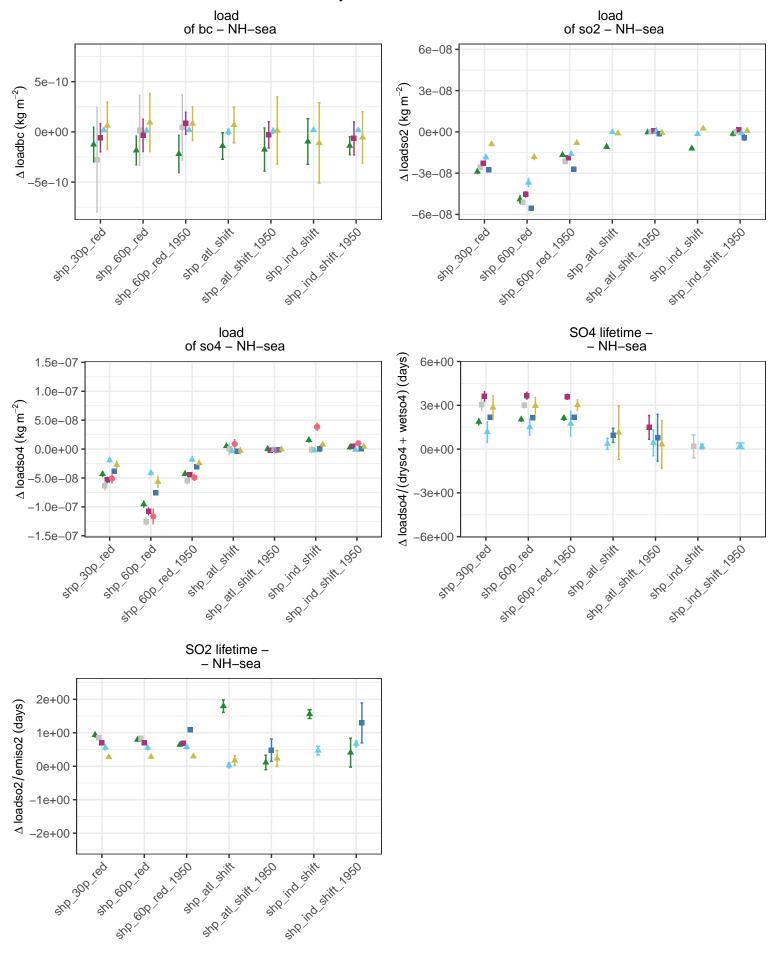
#### Summary - absolute difference upwelling longwave flux upwelling shortwave flux net radiative flux at TOA - NH-sea at TÕA – NH-sea at TOA - NH-sea 1.0 1.0 1.0 $\Delta$ rlut + rsut (W m – 2) $\Delta$ rlut (W m – 2) $\Delta \operatorname{rsut}(\operatorname{Wm}-2)$ 0.5 0.5 0.5 0.0 0.0 0.0 -0.5 0.5-0.5-1.0-1.0-1.0and each led Japan +10 600 red 1950 sho ind shift 1950 ste all stift, 1950 310 600 led 1950 STR 3d Stiff J950 sho ind shift 1950 SHP SH SHIP, DEO sho ind shift 1950 snP att shift she ind shift snP att shift she ind shift snP att shift she ind shift sub en lag Sub log sub en lag clear-sky net radiative flux implied cloud response at TOA incident shortwave flux at TOA - NH-sea – NH-sea at TOA - NH-sea $\Delta$ rlut + rsut - rlutcs - rsutcs (W m<sup>-2</sup>) $\Delta$ rlutcs + rsutcs (W m – 2) 1.0 1.0 1.0 $\Delta \operatorname{rsdt} (\operatorname{Wm} - 2)$ 0.5 0.5 0.5 0.0 0.0 0.0 -0.5 -0.5 -0.5 -1.01.0 -1.0SHO ALL SHIP. 1950 and ind shift 1950 +10 600 Fed 1950 \$18 600 led 1950 orthodistrict 1950 snP ind shift Stopind Shit 1950 STR 3H SHIP, 1950 snp ind shift sub en lag STR all shift STR 2H STIFF she ind shift in any teg STR all STIFF sub en leg upwelling clear-sky shortwave upwelling clear-sky longwave flux at TOA - NH-sea flux at TOA - NH-sea 1.0 1.0 $\Delta \operatorname{rsutcs} (\operatorname{Wm} - 2)$ $\Delta$ rlutcs (W m-2) 0.5 0.5 0.0 0.0 -0.5 -0.5 -1.0-1.0+10 600 red 1950 SHO All SHIP. JOSO \$10,000 ted 1950 SHO SH SHIT, JOSO sho ind shift 1950 and ind shift 1950 STR all shift she ind shift SIRP all SHIFT sno ind shift sub out tog sub 300 leg sub cob leg CAM-ATRAS ■ E3SM GFDL-ESM4 NorESM2 CESM1 GEOS GISS-E2.1

# Summary - absolute difference



### Summary - absolute difference total deposition rate of BC – NH–sea dry deposition rate wet deposition rate of BC - NH-sea of BC - NH-sea 3.4e-15 8.4e-15 1e-14 $\Delta$ drybc + wetbc (kg m – 2 s – $\Delta$ drybc (kg m<sup>-2</sup> s<sup>-1</sup>) $\Delta$ wetbc (kg m<sup>-2</sup> s<sup>-1</sup>) 1.7e-15 3.9e-15 5e-15 0.0e + 000e+00 -6.3e-16 5e-15 1.7e-15 -5.1e–15 Story of State of Sta -1e-14 3.14.600 181. 1950 ... SHO IND SHIP JOSO 2114 600 184 1850 STR 201 STILL STR sho ind shift 1950 SHO IN SHIP OF O -3.4e-15 ste 300 teg \$18,309, tog she ind shift -9.7e-15 stre 300 teg dry deposition rate wet deposition rate dry deposition rate of so2 - NH-sea of so2 - NH-sea of so4 - NH-sea 1e-13 1e-13 $\Delta$ wetso2 (kg m<sup>-2</sup> s<sup>-1</sup>) $\Delta$ dryso2 (kg m<sup>-2</sup> s<sup>-1</sup>) $\Delta$ dryso4 (kg m<sup>-2</sup> s<sup>-1</sup>) 4e-13 5e-14 5e-14 0e+00 0e+00 0e+00 -5e-14 5e-14 4e-13 -1e-13 -1e-13 Sun of Su Sto off Stiff, 1969 SIN SHESHIT TOO 318 600 fed 1950 Stop ind Stift 1950 214 906 teg 7 320 and old led by SHO JIN SHIRL JOSO snP ind shift , 600 leg SIRP all SHIFT sho ind shift \$10<sup>300</sup> 10<sup>0</sup> sing 300 teg (dryso2 + wetso2)/2 + (dryso4 + wetso4)/3wet deposition rate total deposition rate of so4 - NH-sea of S - NH-sea 6e-13 1e-13 $\Delta$ wetso4 (kg m<sup>-2</sup> s<sup>-1</sup>) 0e+00 3e-13 $({\sf kg}\,{\sf m}^{-2};$ 0e+00 -2e-13 -3e-13 3e-13 SHO OH SHO HIN OSO SHIP OSO and of starting string, and of starting of -4e-13 -6e-13 Stop ind Shift 1950 snp ind shift sub 300 leg CAM-ATRAS ■ E3SM GFDL-ESM4 NorESM2 CESM1 GEOS GISS-E2.1

# Summary - absolute difference



▲ CAM-ATRAS

CESM1

■ E3SM

GEOS

NorESM2

