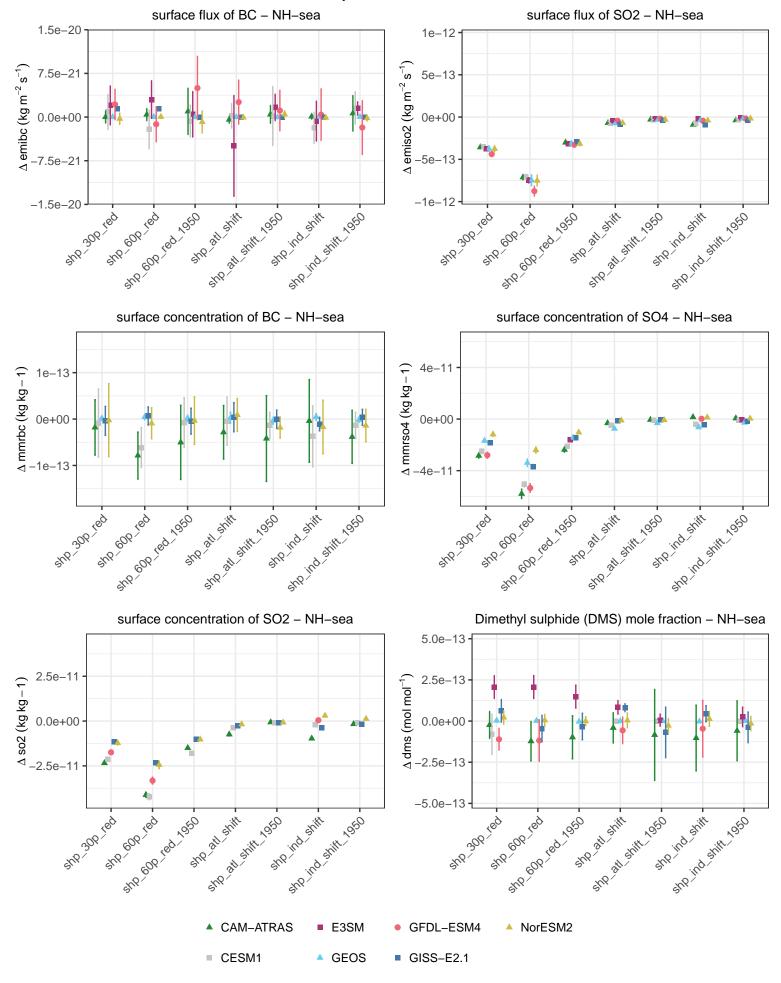
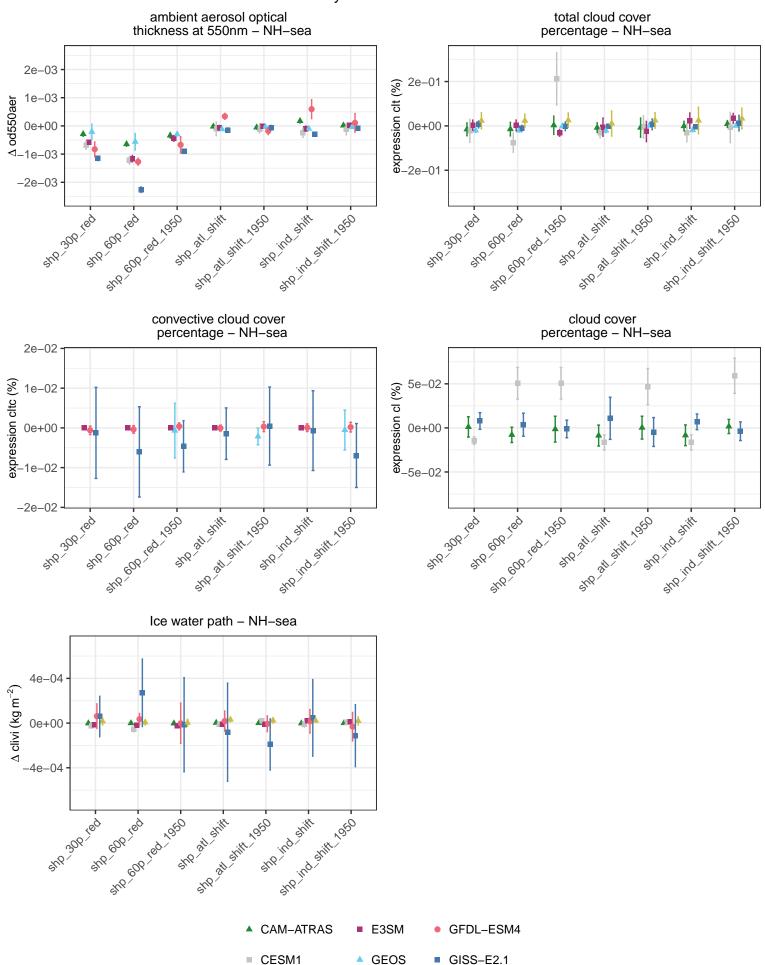
# Summary – absolute difference



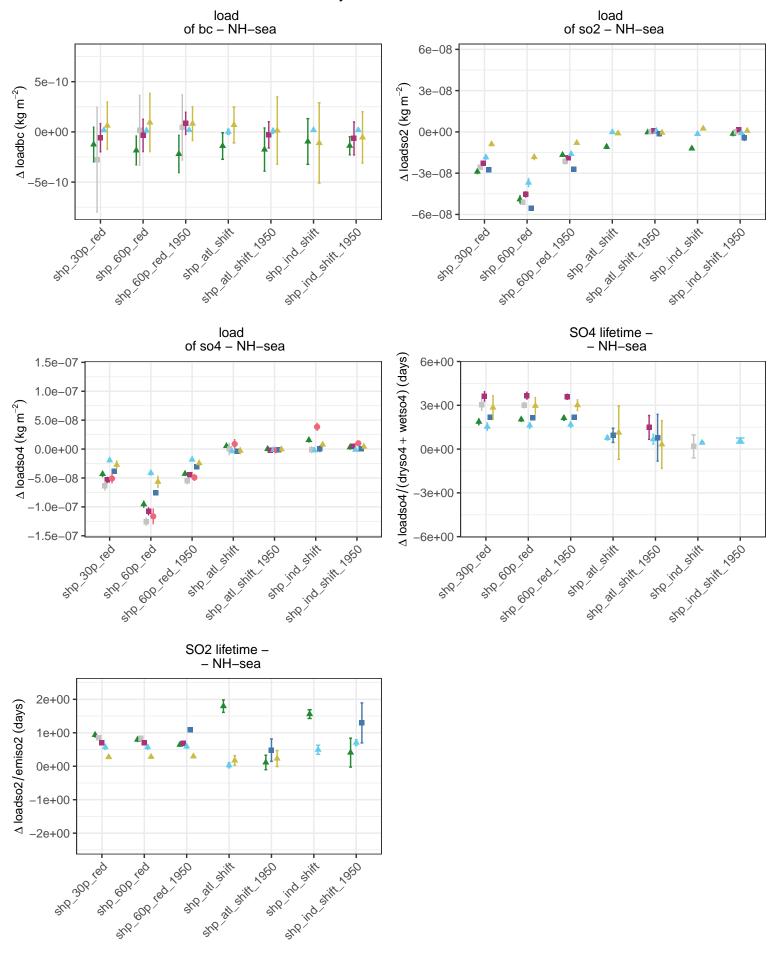
#### Summary - absolute difference upwelling longwave flux upwelling shortwave flux net radiative flux at TOA - NH-sea at TÕA – NH-sea at TOA - NH-sea 1.0 1.0 1.0 $\Delta$ rlut + rsut (W m – 2) $\Delta \operatorname{rsut}(\operatorname{Wm}-2)$ $\Delta$ rlut (W m – 2) 0.5 0.5 0.5 0.0 0.0 0.0 -0.5 -0.5-0.5-1.0-1.0-1.0+10 600 led 1950 sho ind shift 1950 ste all stift, 1950 310 600 red 1950 sto all stift, 1950 sho ind shift 1950 STR 21 STIFL 250 sho ind shift 1950 snP at shift she ind shift snP at shift she ind shift STR all STIFF she ind shift sub end ing Sub log sub end ing 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 470 600 red 1950 \$18 600 led 1950 STR 2d Stiff 1959 snP ind shift Stopind Shit 1950 STR 3H SHIP, 1980 snp ind shift snP att shift STR at STIFF she ind shift Sub, end leg STR all STIFF SUB OB Tog Sub Edd Teg 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 -1.0-1.0and all arith. +10 600 red 1950 +10 600 red 1050 sho ind shift 1950 SHP all SHIT, Jobo and ind shift 1950 STR all shift she ind shift SIRP all SHIFT she jud shift sub out tog sub 300 leg sub en 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 2.6e-16 1.7e-15 1.4e-15 $\Delta$ drybc + wetbc (kg m – 2 s – 1) $\Delta$ drybc (kg m<sup>-2</sup> s<sup>-1</sup>) $\Delta$ wetbc (kg m<sup>-2</sup> s<sup>-1</sup>) 1.3e-16 8.6e-16 6.8e-16 0.0e + 000.0e + 002.9e-17 I.3e-16 8.6e-16 7.3e-16 314 600 181 1950 -SHO IND SHIP JOSO and Sall Shift, 1980 214 90 184 1850 + STO STILL STATE STATE any indanit 1950 -2.6e-16 sub 300 leg -1.7e-15 ste 300 teg -1.4e-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 8e-05 6e-13 $\Delta$ dryso2 (kg m<sup>-2</sup> s<sup>-1</sup>) $\Delta$ wetso2 (kg m<sup>-2</sup> s<sup>-1</sup>) $\Delta$ dryso4 (kg m<sup>-2</sup> s<sup>-1</sup> 5e-14 3e-13 4e-05 0e+00 0e+00 0e+00 3e-13 4e-05 -5e-14 SHO A SHIP SALE Sto off Stiff, 1960 -6e-13 and object of one of all alith. SHO JIN SHIRL JOSO -8e-05 and ind shift 1950 214 90 to 1 sir ind shirt 1950 sub 300 leg snp ind shift sno ind shift -1e-13 , 600 leg sing 300 fed sing 300 teg (dryso2 + wetso2)/2 + (dryso4 + wetso4)/3wet deposition rate total deposition rate of so4 - NH-sea of S - NH-sea 5.0e-13 0e+00 - $\Delta$ wetso4 (kg m<sup>-2</sup> s<sup>-1</sup>) -1e-05 2.5e-13 -2e-05 $(kg m^{-2})$ 0.0e+00 -3e-05 2.5e-13 Sto 3tl Stift Joso Stift Joso Stor 3tl Stift Joso Stor 3tl Stift Jud Stift Joso Stor 3tl Stift Joso Stift Joso Stor 3tl Stift Joso Stor 3tl Stift Joso -4e-05 and object of the state of the Sub de Sur Joseph 214 90 44. -5.0e-13 Str. ind Stift 1950 she ind shift -5e-05 sub 300 lag sto 300 leg CAM-ATRAS ■ E3SM GFDL-ESM4 NorESM2 CESM1 GEOS GISS-E2.1

# Summary - absolute difference



▲ CAM-ATRAS

CESM1

■ E3SM

GEOS

NorESM2

