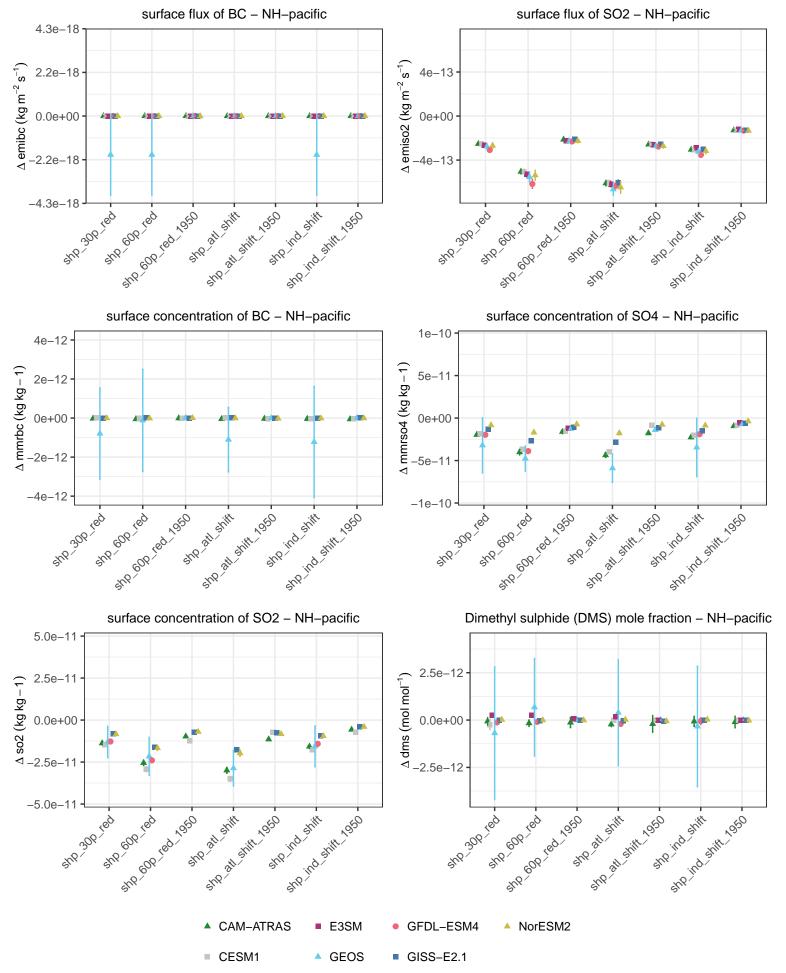
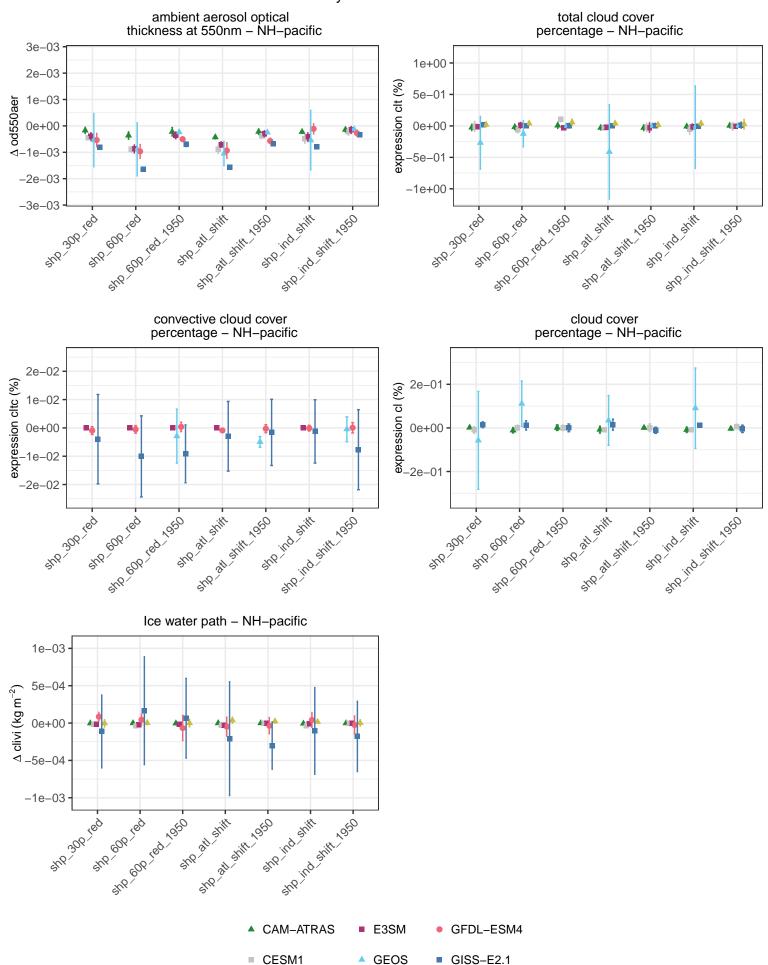
## Summary – absolute difference



#### Summary – absolute difference upwelling longwave flux upwelling shortwave flux net radiative flux at TOA - NH-pacific at TOA - NH-pacific at TOA - NH-pacific 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 -1.0-1.0-1.0+ 1000 red 1050 sho ind shift 1950 ste all stift, 1950 310 600 led 1950 sho ind shift 1950 SHP SH SHIP, DEO sho ind shift 1950 stip all stift. Jose snP at shift snP at shift she ind shift snP at shift she ind shift elb leg she ind shift Sub log sub end ing clear-sky net radiative flux implied cloud response at TOA incident shortwave flux at TOA - NH-pacific NH-pacific at TOA - NH-pacific $\Delta$ 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 -1.0470 600 red 1950 SHP all SHIR. \$18 600 led 1950 Str. ind Stift 1950 Stopind Shit 1950 Sto ind shift 1950 ort and shift 1950 STR all Britt. STR Ind Shift sub en lag snP at shift sno ind shift snP att shift she ind shift Sub, end leg STR all STIFF Sub Edd Teg upwelling clear-sky shortwave upwelling clear-sky longwave flux at TOA - NH-pacific flux at TOA - NH-pacific 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. +1000 red 1950 +1000 ped 1050 and interest and anit. 1950 SHP all SHIT, Jobo Str. Ind. Stift. 1950 sno all shift sno ind shift SIRP all SHIFT she ind shift sub out ing sub 300 leg sub en lag 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 - NH-pacific of BC - NH-pacific of BC - NH-pacific 5.3e-15 7.3e-15 $\Delta$ drybc + wetbc (kg m – 2 s – 1) 1e-14 $\Delta$ wetbc (kg m<sup>-2</sup> s<sup>-1</sup>) $\Delta$ drybc (kg m<sup>-2</sup> s<sup>-1</sup>) 2.7e-15 1.8e-15 5e-15 0.0e + 000e+00 3.6e-15 -5e-15 2.7e-15 -9.0e-15 -1e-14 STR 3d Strik 10 Find strik 10 STR 3d Strik 10 Stor of State of Stat 314 600 181 1950 and led lay 214 90 184 1850 T antind shirt 1950 Sto 3th Stiff. 1950 sho ind shift 1950 and and and of the state of the sub 300 lag -5.3e-15 she ind shift -1.4e-14 sub 300 leg dry deposition rate wet deposition rate dry deposition rate of so2 - NH-pacific of so2 - NH-pacific of so4 - NH-pacific 6e-13 6e-04 1e-13 $\Delta$ dryso4 (kg m<sup>-2</sup> s<sup>-1</sup>) $\Delta$ dryso2 (kg m<sup>-2</sup> s<sup>-1</sup>) $\Delta$ wetso2 (kg m<sup>-2</sup> s<sup>-1</sup>) 3e-13 3e-04 5e-14 0e+00 0e+00 0e+00 5e 3e-13 3e-04 -1e-13 SW SH SHIP STORY 410 600 Fed 1950 410 600 fed 1950 Sto off Stiff, 1950 Str. of Still Still Store sir ind shift 1950 and on the same -6e-13 -6e-04 SHP ind shift 1950 sho ind shift STIP all STIFF she ind shift - 1600 tog Sub leg Sub leg stp 300 teg (dryso2 + wetso2)/2 + (dryso4 + wetso4)/3wet deposition rate total deposition rate of so4 - NH-pacific of S - NH-pacific 6e-13 0e+00 - /\* /\* /\* /\* $\Delta$ wetso4 (kg m<sup>-2</sup> s<sup>-1</sup>) 3e-13 $(kg m^{-2} s^{-1})$ -1e-04 0e+00 -2e-04 3e-13 and object of the state of the a sint Jobo shift Jobo SHO all SHIP. -6e-13 -3e-04 40 00 18d 18d Sthe Stiff Str. ing of snPind shift Stop ind shift 1950 sub 300 leg , 806 lag stp. CAM-ATRAS ■ E3SM GFDL-ESM4 NorESM2

CESM1

GEOS

GISS-E2.1

### Summary - absolute difference

