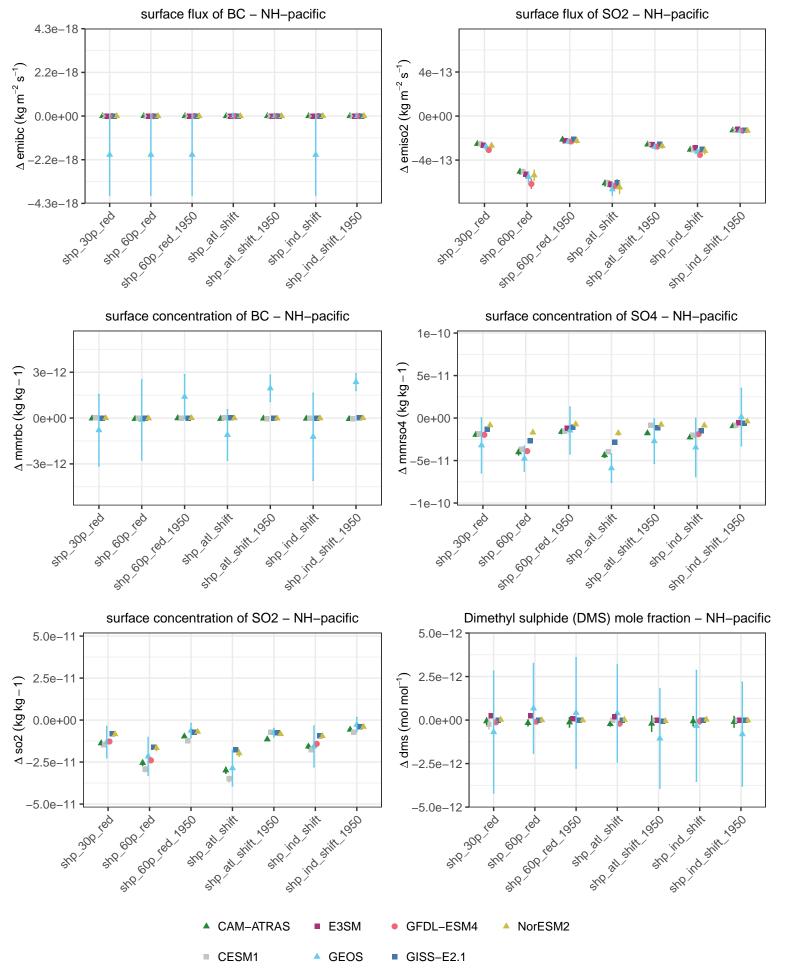
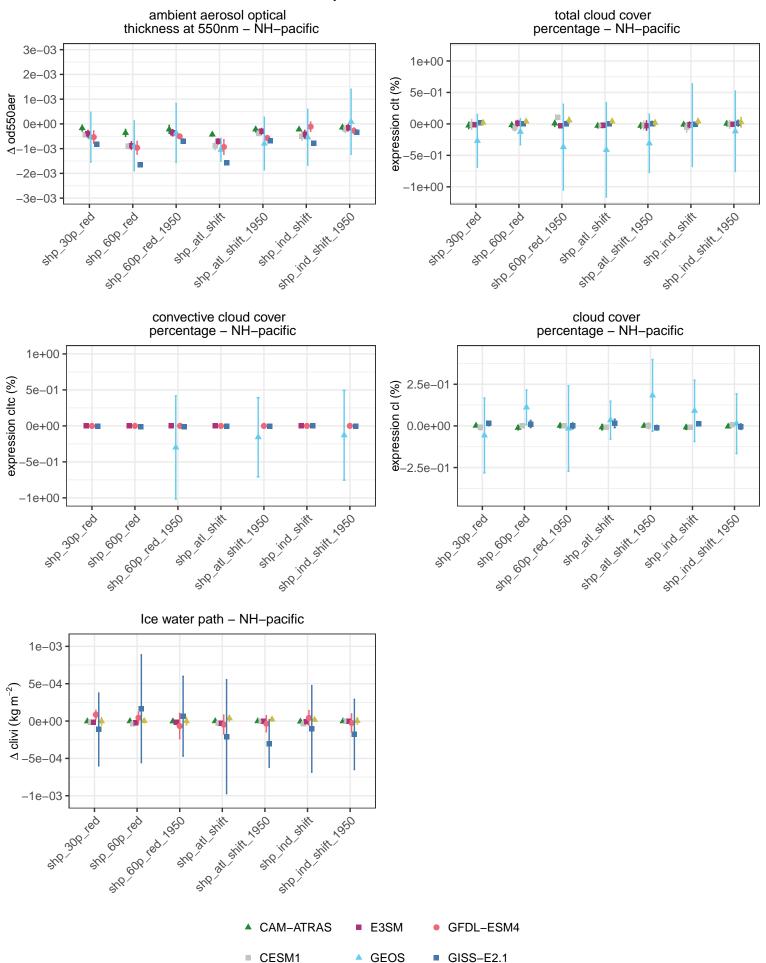
# Summary – absolute difference



#### 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 ste all stift, 1950 Stopind Shitt 1950 SHP SH SHIP, DEO sho ind shift 1950 snP att shift she ind shift snP att shift she ind shift snP at shift she ind shift sub end ing Sub log . 600 teg 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 -1.0and ind shift 1950 470 600 red 1950 SHO all shift. \$18 600 led 1950 Str. ind Stift 1950 Sto ind shift 1950 ort and shift 1950 STR ind shift STR all Britt. 1980. snP at shift sno ind shift STR at STIFF she ind shift Sub end leg STR all STIFF Sub en leg 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 SHR ALL SHIP. JOSO Stopind Shit 1950 sno all shift snp ind shift SIRP all SHIFT snp ind shift sub out ing sub 300 leg sub cob 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 - NH-pacific of BC - NH-pacific of BC - NH-pacific 6.3e-15 $\Delta$ drybc + wetbc (kg m – 2 s – 1) 1e-14 1e- $\Delta$ drybc (kg m<sup>-2</sup> s<sup>-1</sup>) $\Delta$ wetbc (kg m<sup>-2</sup> s<sup>-1</sup>) 3.1e-15 5e-15 0e+00 0.0e+00 0e+00 ability. -5e-15 3.1e-15 -1e-14 1e-14 STR att STR. A S 314 600 181 1950 -416 Object 1080 400 led 1950 antind shirt 1950 Sto 3th Stiff 1950 SHO IN SHIP DED she ind shift -6.3e-15 stp. 300 tog dry deposition rate wet deposition rate dry deposition rate of so2 - NH-pacific of so2 - NH-pacific of so4 - NH-pacific 6e-13 1e-13 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 5e-14 5e-14 0e+00 0e+00 0e+00 5e 5e-14 3e-13 -1e-13 -1e-13 SHO OH SHIP LAND \$10 00 100 mg 10 sho ind shift 1960 Sto of Stiff, 1959 Sto of Stiff Line SHO JIN SHIR JOSO and on they have -6e-13 she ind shift , 606 leg sho ind shift and long tog \$10<sup>300</sup> 100 (dryso2 + wetso2)/2 + (dryso4 + wetso4)/3total deposition rate wet deposition rate of so4 - NH-pacific of S - NH-pacific 6e-13 1e-13 $\Delta$ wetso4 (kg m<sup>-2</sup> s<sup>-1</sup>) 0e+00 3e-13 $(kg m^{-2} s^{-1})$ -1e-13 0e+00 2e-13 3e-13 -3e-13 STR SH STR. IND SHIP. SSO and on led of different of the contract of the -4e-13 SW off Stiff, 1980, -6e-13 Stop ind Stift 1950 snPind shift Sub leg sub 300 leg CAM-ATRAS ■ E3SM GFDL-ESM4 NorESM2 CESM1 GEOS GISS-E2.1

## Summary - absolute difference

