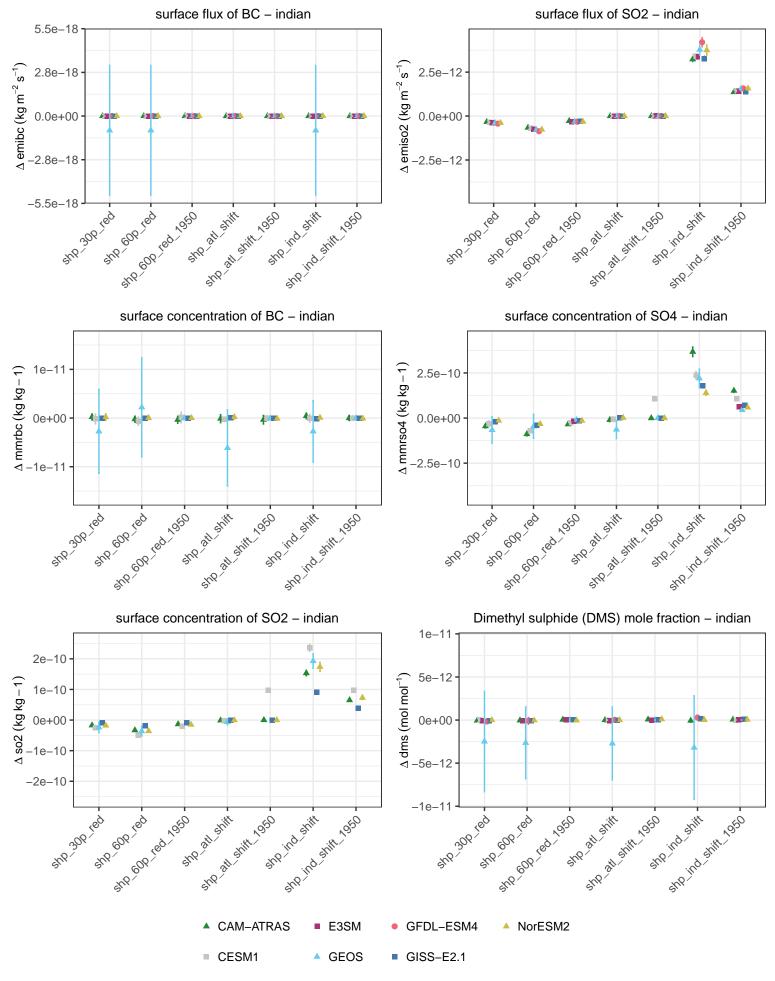
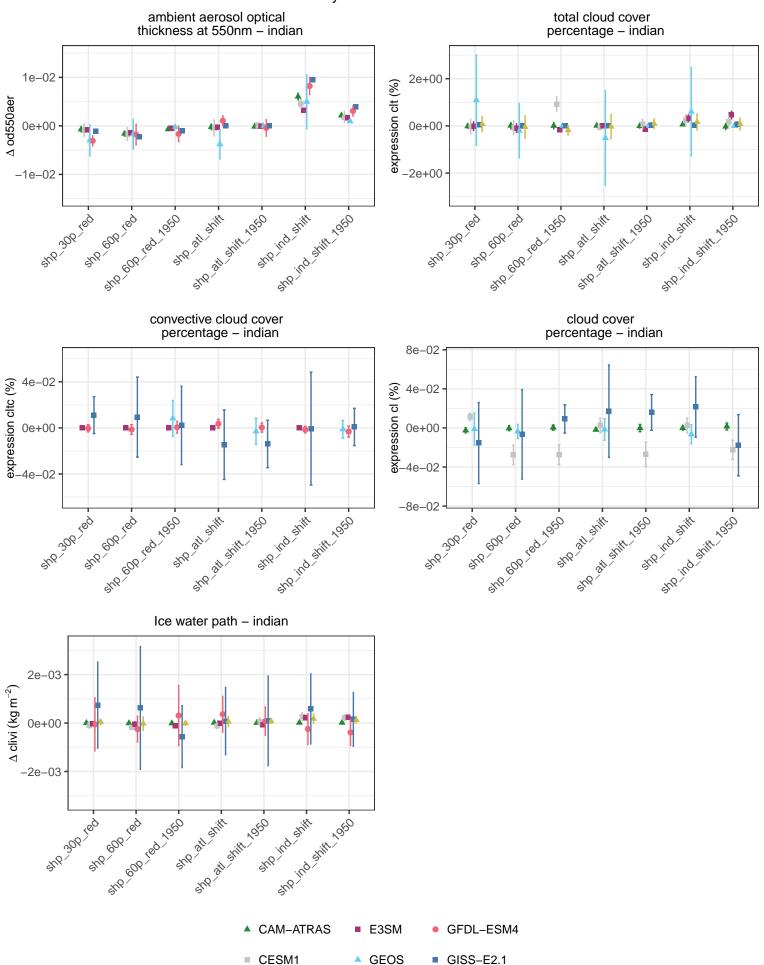
# Summary - absolute difference



#### Summary - absolute difference upwelling longwave flux upwelling shortwave flux net radiative flux at TOA - indian at TOA - indian at TOA - indian 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+ 1950 red 1950 sho ind shift 1950 ste all stift. Joso 310 600 led 1950 STR 3d Stiff J950 sho ind shift 1950 sto all still, oso snP at shift she ind shift snP at shift she ind shift snP at shift stp.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 - indian at TOA - indian $\Delta$ 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 -1.0aries of production of the state of the stat 470 600 red 1950 SHO all SHIP. \$18 600 led 1950 should shift 1950 Sto all Stiff 1950 Sto all Stiff 1950 STP at shift sno ind shift STR at STIFT sno ind shift Sub leg STR all STIFF SUB OB Tog Sub Edd Teg upwelling clear-sky shortwave upwelling clear-sky longwave flux at TOA - indian flux at TOA - indian 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 -1.0-1.0SHP all arith. 1980 +10 600 red 1950 SHP all shift Joseph +1000 ped 1050 sho ind shift 1950 Str. Ind Stift 1950 sno all shift snp 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 - indian of BC - indian of BC - indian $\Delta$ drybc + wetbc (kg m – 2 s – 1) 2e-14 2e-14 $\Delta$ drybc (kg m<sup>-2</sup> s<sup>-1</sup>) 1e-14 $\Delta$ wetbc (kg m<sup>-2</sup> s<sup>-1</sup>) 1e-14 1e-14 0e+00 0e+00 0e+00 –1e–14 -1e-14 -1e-14 -2e-14 2e-14 400 teg 1050 sto and arith 1950 SHO INCLUSION JOSO and led lay and all arith, 1989 SHO JIN SHIRL DED STR ON STITE OF STREET sno ind shift she ind shift - 1809 (8d dry deposition rate wet deposition rate dry deposition rate of so2 - indian of so2 - indian of so4 - indian 8e-05 3e-12 $\Delta$ dryso2 (kg m<sup>-2</sup> s<sup>-1</sup>) 2e-12 $\Delta$ wetso2 (kg m<sup>-2</sup> s<sup>-1</sup> $\Delta$ dryso4 (kg m $^{-2}$ s $^{-1}$ 2e-13 4e-05 1e-12 0e+00 0e+00 0e+00 -1e-12 -4e-05 -2e-13 -2e-12 one and shift and and shift, showing and shift 214 600 18d 7050 one de difference of the design of the desig 410 600 fed 1950 Sto off Stiff, 1959 SHO JIN SHIRL JOSO she ind shift 1950 and on they have -3e-12 -8e-05 SIRP all SHIFT sno ind shift SUB Top , 600 teg sing 300 fed (dryso2 + wetso2)/2 + (dryso4 + wetso4)/3wet deposition rate total deposition rate of so4 - indian of S - indian 2e-12 0e+00 $\Delta$ wetso4 (kg m<sup>-2</sup> s<sup>-1</sup>) 1e-12 1e-05 $(kg m^{-2} s^{-1})$ -2e-05 0e+00 -3e-05 1e-12 -4e-05 STR SH STRING SHIPLOSO one of shift, and shif and ob show in the state of the -2e-12 -5e-05 4 60 18 × 19 0 Str. Ind. Stift. 1960 , 600 leg CAM-ATRAS ■ E3SM GFDL-ESM4 NorESM2 CESM1 GEOS GISS-E2.1

### Summary – absolute difference

