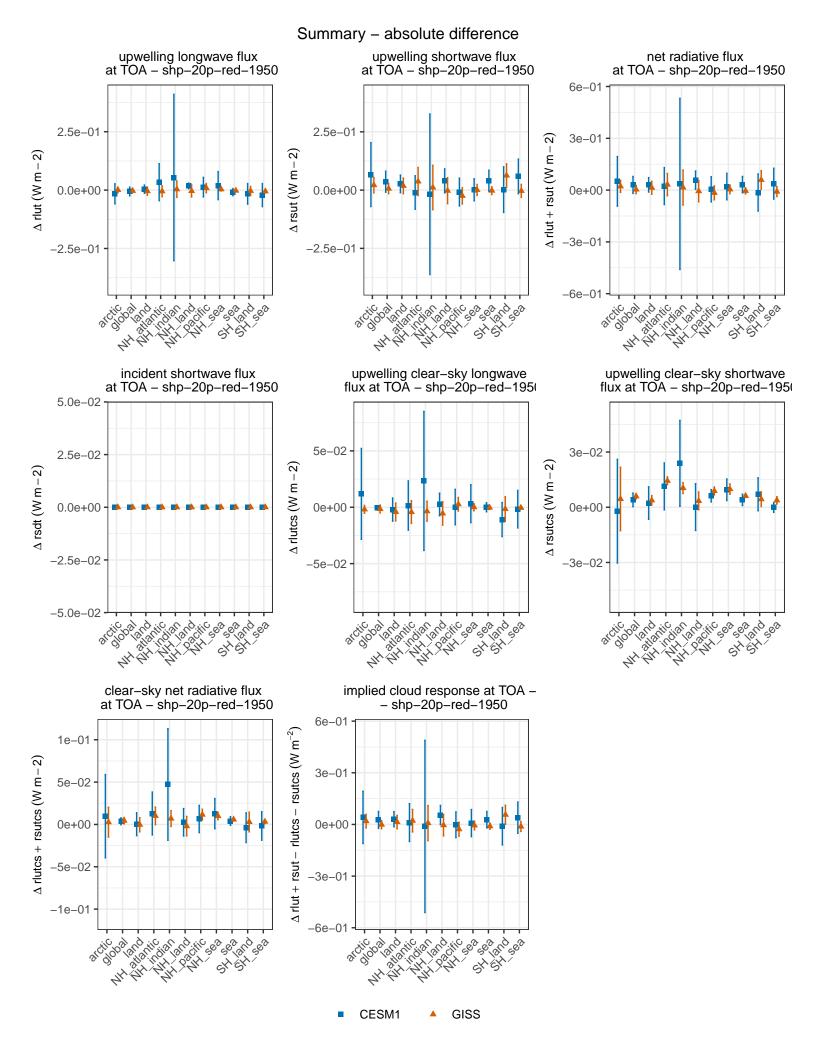
Summary - absolute difference surface flux of SO2 - shp-20p-redsurface flux of BC - shp-20p-redsurface concentration of BC - shp-20p-r 5.4e-19 3e-13 -2e-13 1e-13 2.7e-19 Δ emibc (kg $\mathrm{m}^{-2}\,\mathrm{s}^{-1})$ Δ emiso2 (kg m⁻² s⁻¹) Δ mmrbc (kg kg –1) 1e-13 0.0e+000e+00 0e+00 -1e-13 -2.7e-19 -1e-13 -2e-13 -3e-13 -5.4e-19 surface concentration of SO4 - shp-20p- surface concentration of SO2 - shp-20pload of so4 - shp-20p-red-1950 5.0e-08 1e-11 1e-11 Δ mmrso4 (kg kg – 1) 2.5e-08 5e-12 $\Delta \cos (kg kg - 1)$ Δ loadso4 (kg m⁻²) 0e+00 0e+00 0.0e+00-5e-12 -2.5e-08 -1e-11 -1e-11 -5.0e-08 load Dimethyl sulphide (DMS) mole fraction - shp-20p-red-1950 of bc - shp-20p-red-1950 3e-13 5e-11 Δ dms (mol mol⁻¹) $\Delta \log dbc \, (\mathrm{kg} \; \mathrm{m}^{-2})$ 0e+00 0e+00 -3e-13 -5e-11

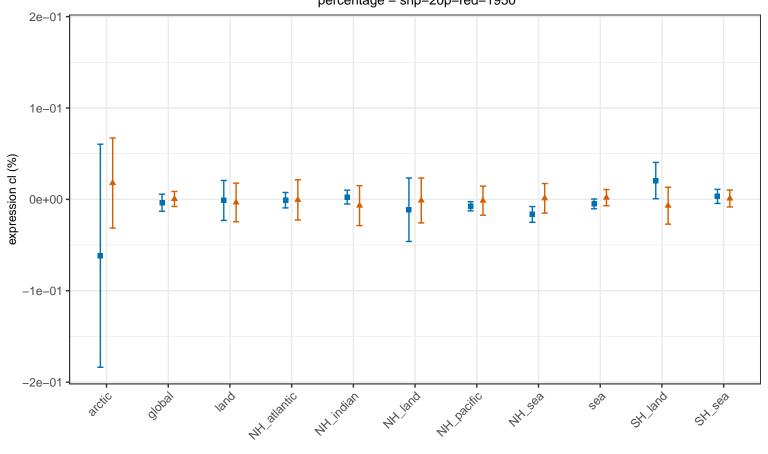
CESM1

GISS

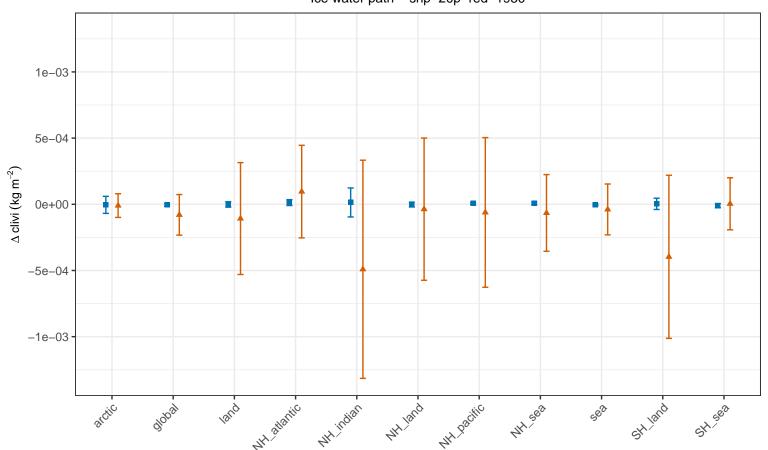


Summary - absolute difference

cloud cover percentage – shp–20p–red–1950



Ice water path - shp-20p-red-1950



Summary - absolute difference dry deposition rate wet deposition rate total deposition rate of BC - shp-20p-red-1950 of BC - shp-20p-red-1950 of BC - shp-20p-red-1950 5.0e-16 2.4e-15 2.3e-15 Δ drybc + wetbc (kg m -2 s-1) 1.2e-15 2.5e-16 1.2e-15 Δ drybc (kg $\mathrm{m}^{-2}~\mathrm{s}^{-1})$ Δ wetbc (kg m⁻² s⁻¹) 0.0e+000.0e+000.0e+00-2.5e-16 -1.2e-15 -1.2e-15 -5.0e-16 -2.4e-15-2.3e-15 dry deposition rate wet deposition rate dry deposition rate of so2 - shp-20p-red-1950 of so2 - shp-20p-red-1950 of so4 - shp-20p-red-1950 2.7e-17 2e-14 1e-13 1.3e-17 Δ dryso2 (kg m $^{-2}$ s $^{-1}$) Δ wetso2 (kg m⁻² s⁻¹) Δ dryso4 (kg m⁻² s⁻¹) 5e-14 1e-14 0e+00 0.0e+000e+00 -5e-14 -1e-14 -1.3e-17 -1e-13 -2e-14 -2.7e-17 wet deposition rate total deposition rate of so4 - shp-20p-red-1950 of S - shp-20p-red-1950 (dryso2 + wetso2)/2 + (dryso4 + wetso4)/31e-13 -1e-13 Δ wetso4 (kg m $^{-2}$ s $^{-1}$) 5e-14 5e-14 $(kg m^{-2} s^{-1})$ 0e+00 0e+00 -5e-14 -5e-14 -1e-13 -1e-13 CESM1 **GISS**