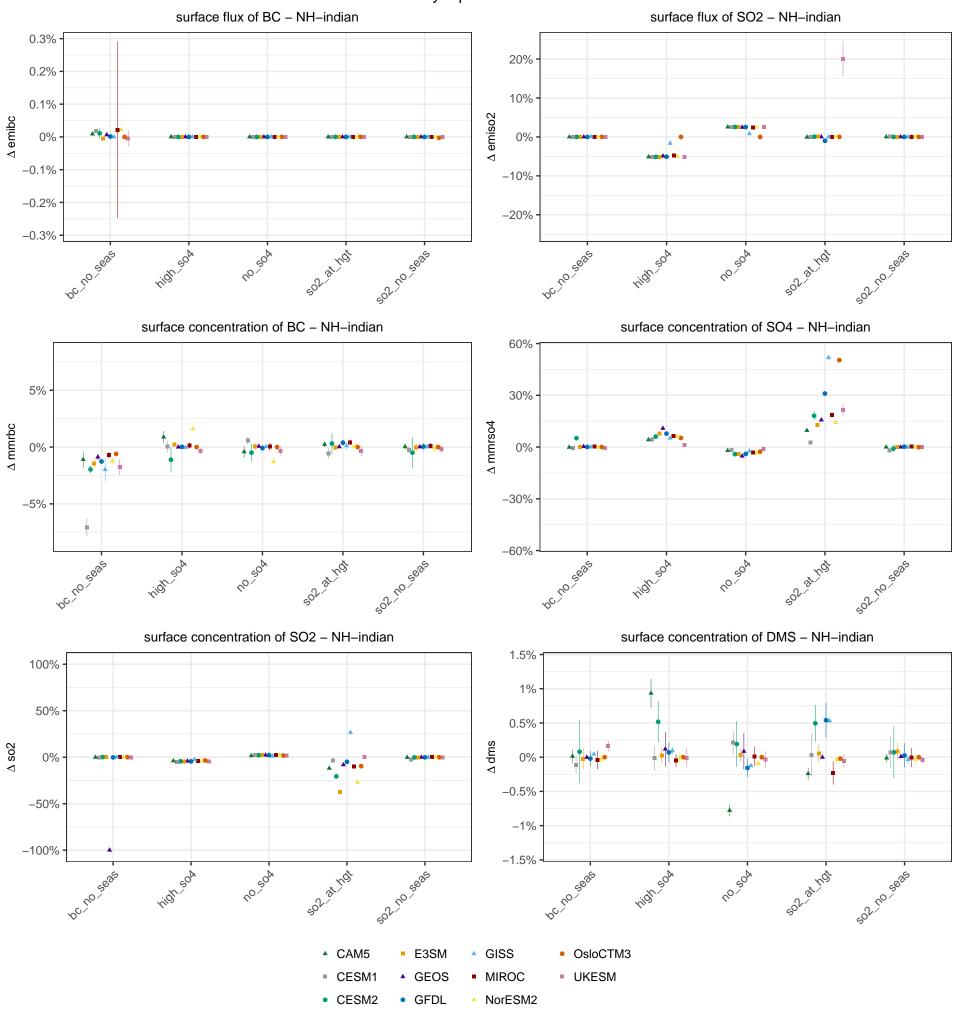
Summary – percent difference



Summary - percent difference column mass burden of SO4 - NH-indian column mass burden of SO2 - NH-indian 60% 50% 30% 25% ∆ loadso4 ∆ loadso2 0% 0% -25% -30% -50% -60% column mass burden of BC - NH-indian SO4 lifetime - NH-indian 6% △ loadso4/(dryso4 + wetso4) 300% 3% Δ loadbc 0% 0% -3% -300% -6% -600% ROSOA SO2 timescale - NH-indian 4e+06% ∆ loadso2/emiso2 -4e+06%

▲ CAM5

CESM1

• CESM2

E3SM

GEOS

• GFDL

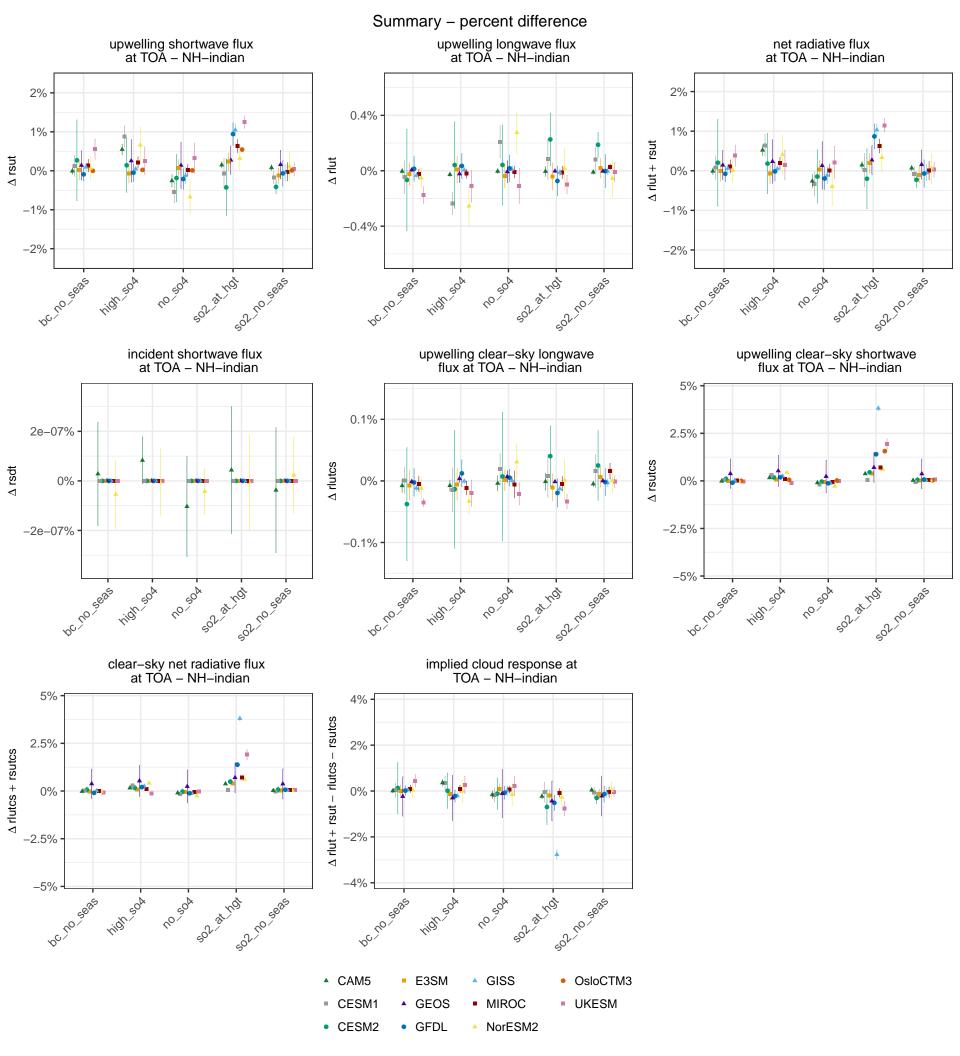
GISS

MIROC

NorESM2

OsloCTM3

UKESM



Summary - percent difference ambient aerosol optical total cloud cover - NH-indian thickness at 550nm - NH-indian 2% 50% 1% Δ od550aer $\Delta \, \text{clt}$ 0% 0% -1% -50% -2% convective cloud cover - NH-indian surface cloud cover - NH-indian 60% 1% 30% Δ cltc ∆ cl 0% -30% -1% -60% 20304 ice water path - NH-indian 6% 3% Δ clivi 0% -3% -6% OsloCTM3 ▲ CAM5 E3SM GISS CESM1 GEOS MIROC UKESM • GFDL • CESM2 NorESM2

