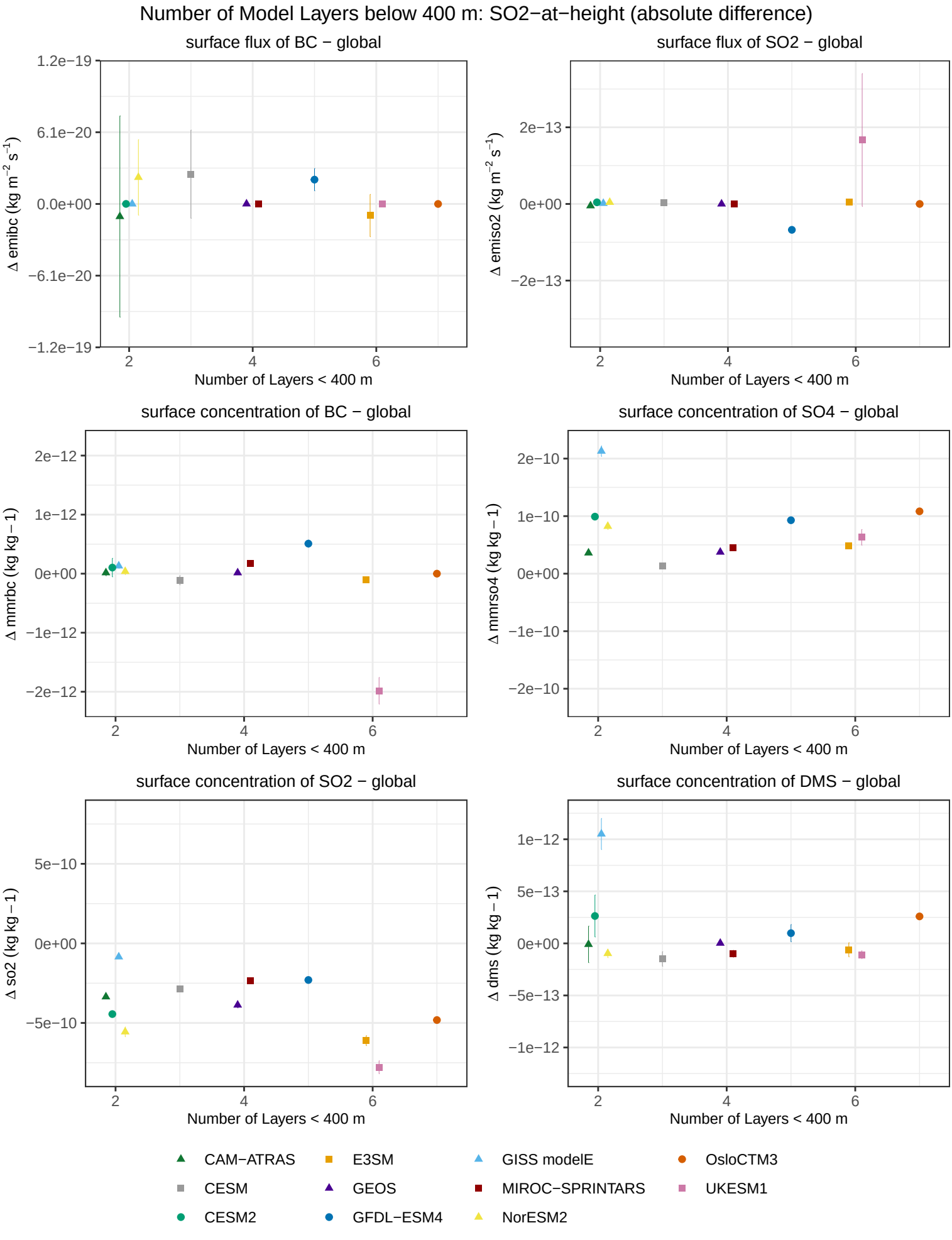
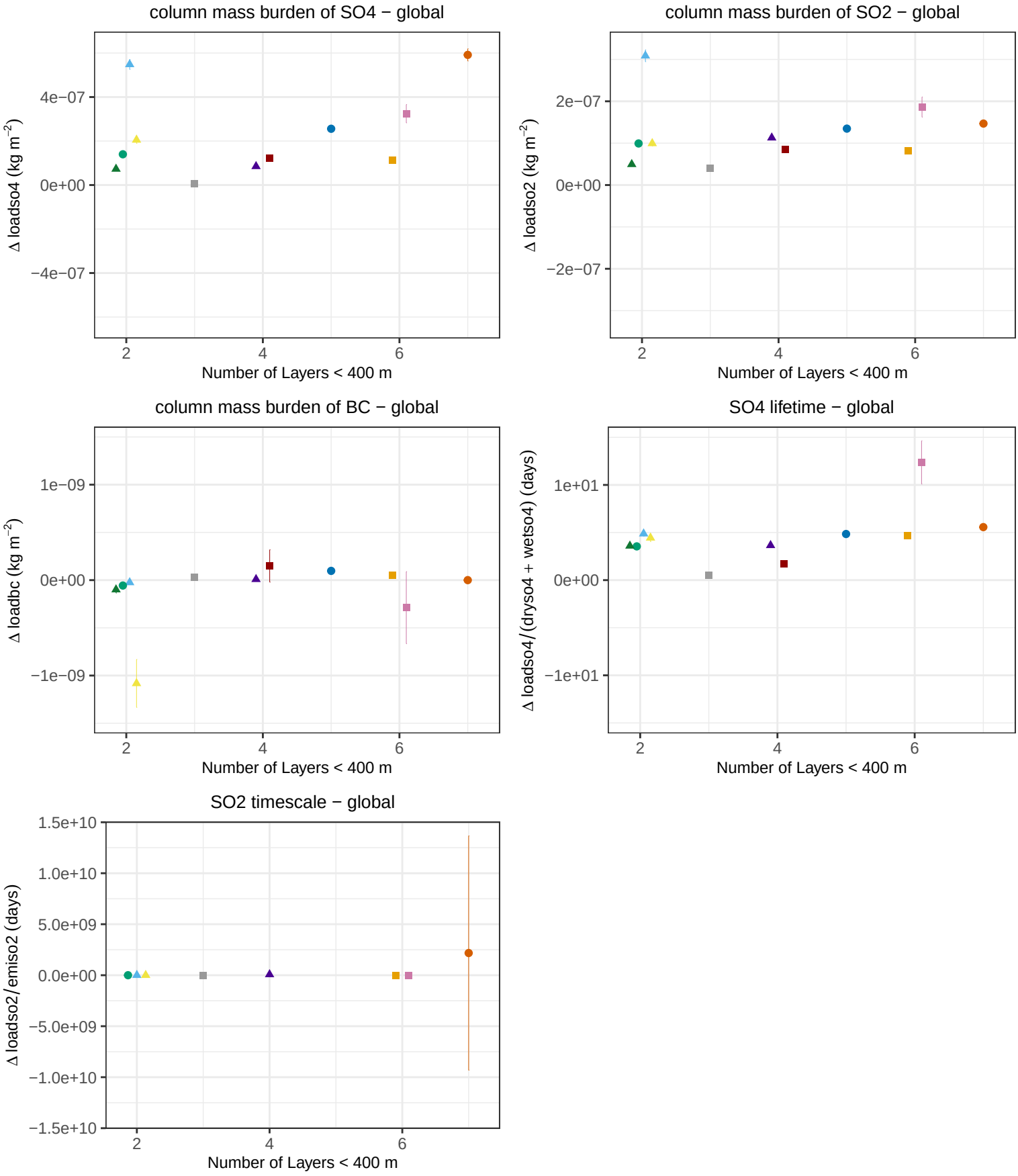
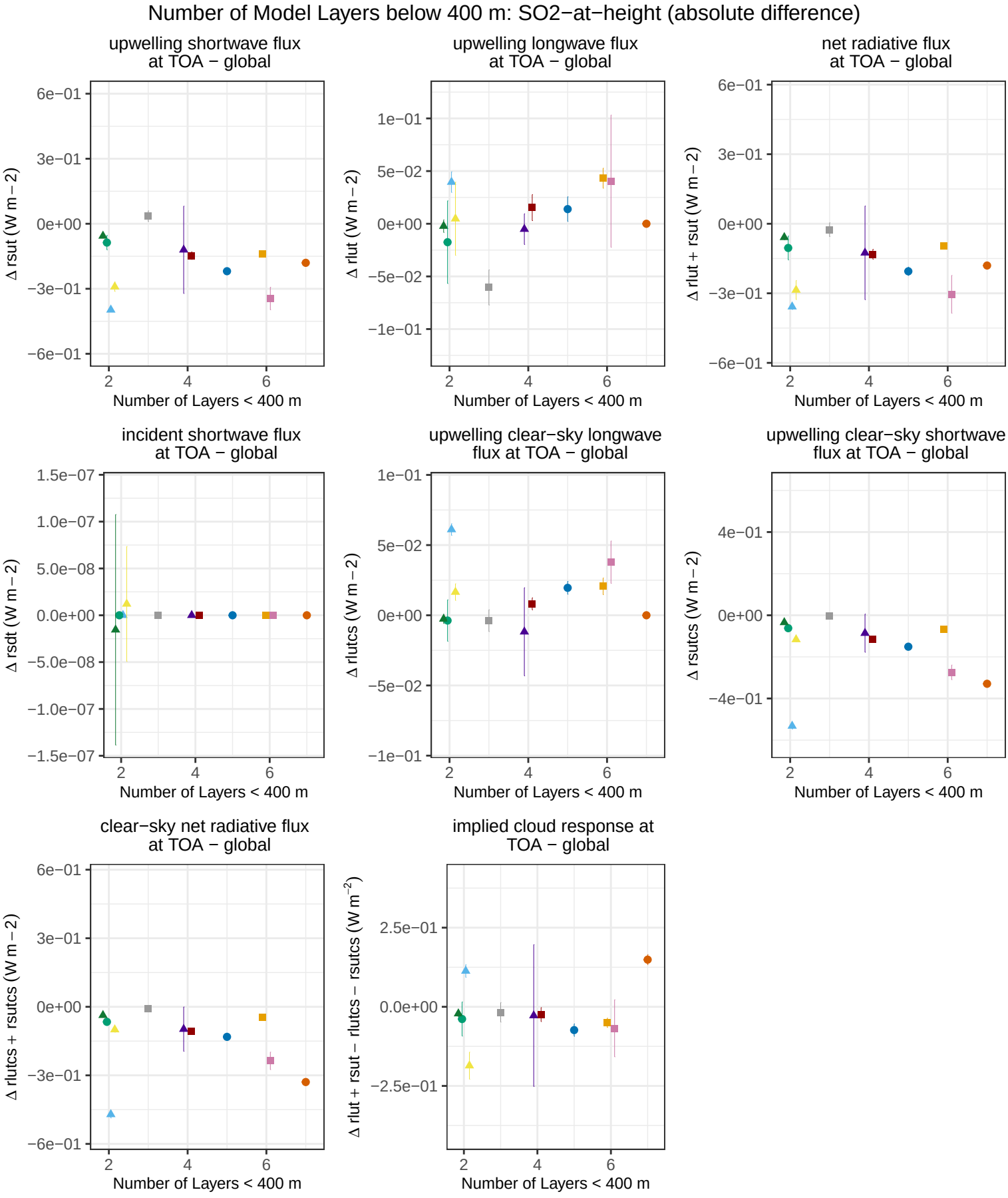
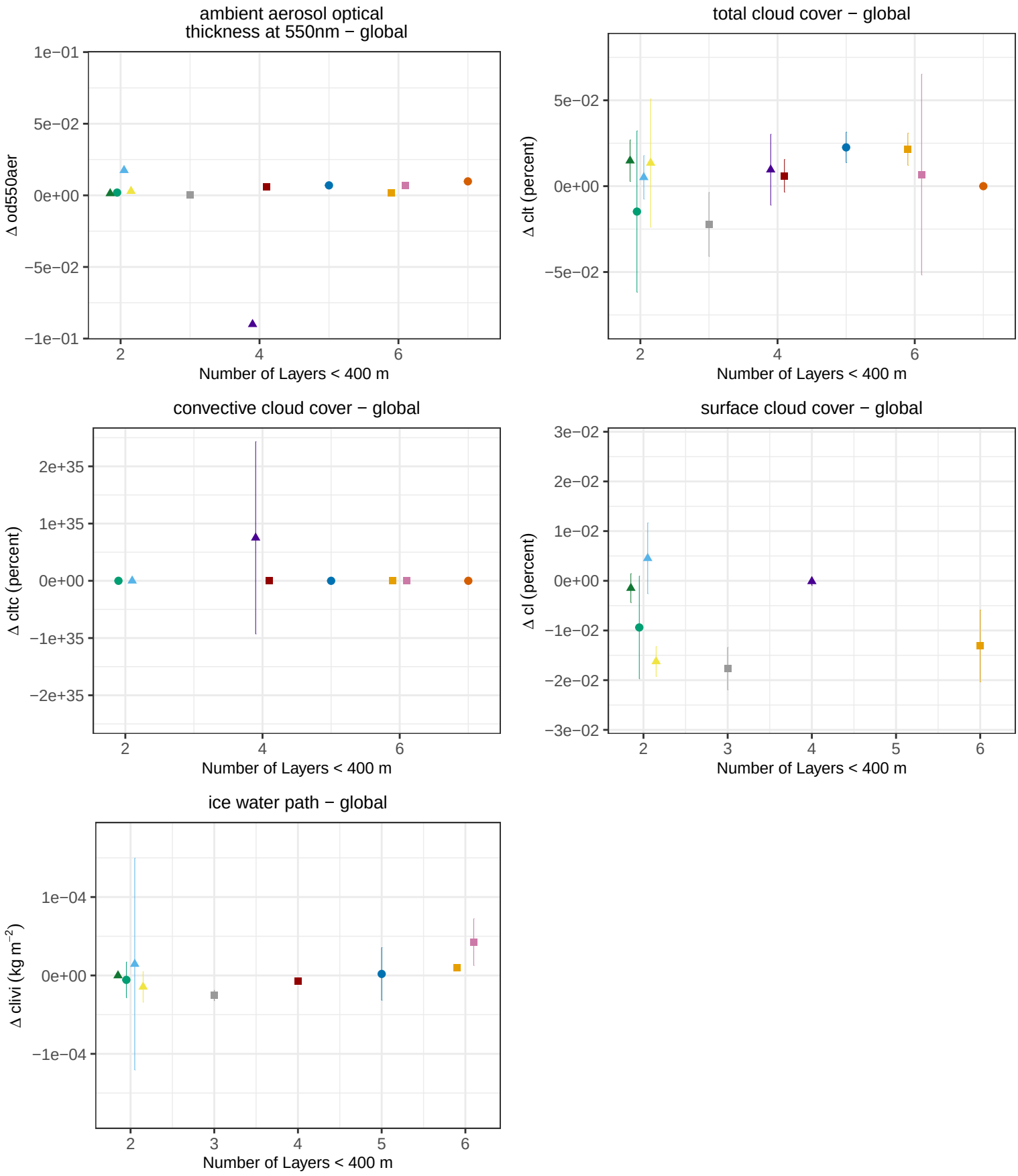

Number of Model Layers below 400 m: SO2−at−height (absolute difference)
surface flux of BC − global
Δ emibc (kg m−2 s−1)
1.2e−19
6.1e−20
0.0e+00
−6.1e−20
−1.2e−19
surface flux of SO2 − global
Δ emiso2 (kg m−2 s−1)
2e−13
0e+00
−2e−13
surface concentration of BC − global
Δ mmrbc (kg kg − 1)
2e−12
1e−12
0e+00
−1e−12
−2e−12
surface concentration of SO4 − global
Δ mmrso4 (kg kg − 1)
2e−10
1e−10
0e+00
−1e−10
−2e−10
surface concentration of SO2 − global
Δ so2 (kg kg − 1)
5e−10
0e+00
−5e−10
surface concentration of DMS − global
Δ dms (kg kg − 1)
1e−12
5e−13
0e+00
−5e−13
−1e−12
2
4
6
Number of Layers < 400 m
CAM−ATRAS
CESM
CESM2
E3SM
GEOS
GFDL−ESM4
GISS modelE
MIROC−SPRINTARS
NorESM2
OsloCTM3
UKESM1

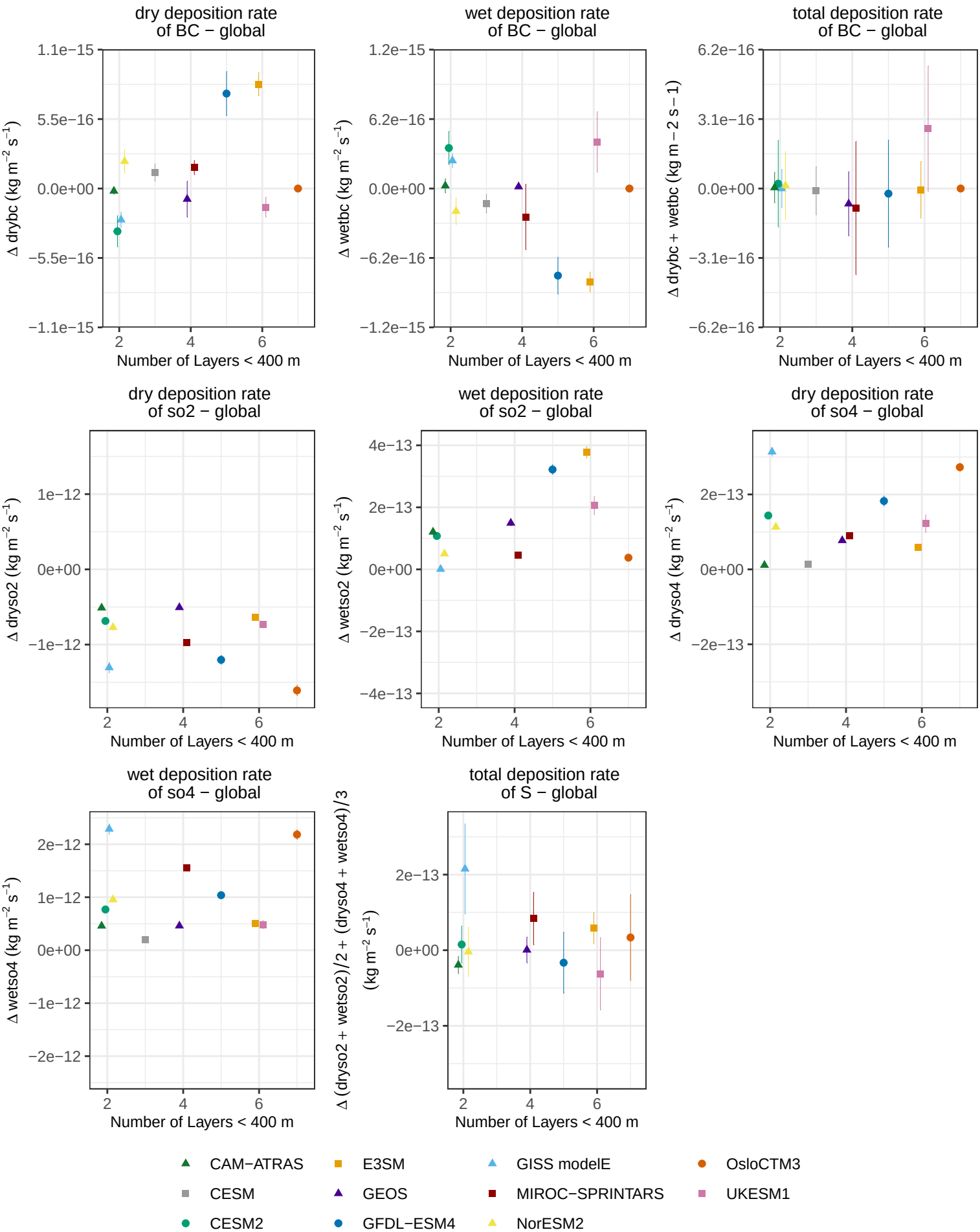
Number of Model Layers below 400 m: SO2−at−height (absolute difference)




Number of Model Layers below 400 m: SO2−at−height (absolute difference)
upwelling shortwave flux at TOA − global
upwelling longwave flux at TOA − global
net radiative flux at TOA − global
incident shortwave flux at TOA − global
upwelling clear−sky longwave flux at TOA − global
upwelling clear−sky shortwave flux at TOA − global
clear−sky net radiative flux at TOA − global
implied cloud response at TOA − global
Δ rsut (W m − 2)
Δ rlut (W m − 2)
Δ rlut + rsut (W m − 2)
Δ rsdt (W m − 2)
Δ rlutcs (W m − 2)
Δ rsutcs (W m − 2)
Δ rlutcs + rsutcs (W m − 2)
Δ rlut + rsut − rlutcs − rsutcs (W m−2)
Number of Layers < 400 m
CAM−ATRAS
CESM
CESM2
E3SM
GEOS
GFDL−ESM4
GISS modelE
MIROC−SPRINTARS
NorESM2
OsloCTM3
UKESM1

Number of Model Layers below 400 m: SO2−at−height (absolute difference)




Number of Model Layers below 400 m: SO2−at−height (absolute difference)
dry deposition rate of BC − global
wet deposition rate of BC − global
total deposition rate of BC − global
dry deposition rate of so2 − global
wet deposition rate of so2 − global
dry deposition rate of so4 − global
wet deposition rate of so4 − global
total deposition rate of S − global
Δ drybc (kg m−2 s−1)
Δ wetbc (kg m−2 s−1)
Δ drybc + wetbc (kg m − 2 s − 1)
Δ dryso2 (kg m−2 s−1)
Δ wetso2 (kg m−2 s−1)
Δ dryso4 (kg m−2 s−1)
Δ wetso4 (kg m−2 s−1)
Δ (dryso2 + wetso2)/2 + (dryso4 + wetso4)/3 (kg m−2 s−1)
Number of Layers < 400 m
CAM−ATRAS
CESM
CESM2
E3SM
GEOS
GFDL−ESM4
GISS modelE
MIROC−SPRINTARS
NorESM2
OsloCTM3
UKESM1