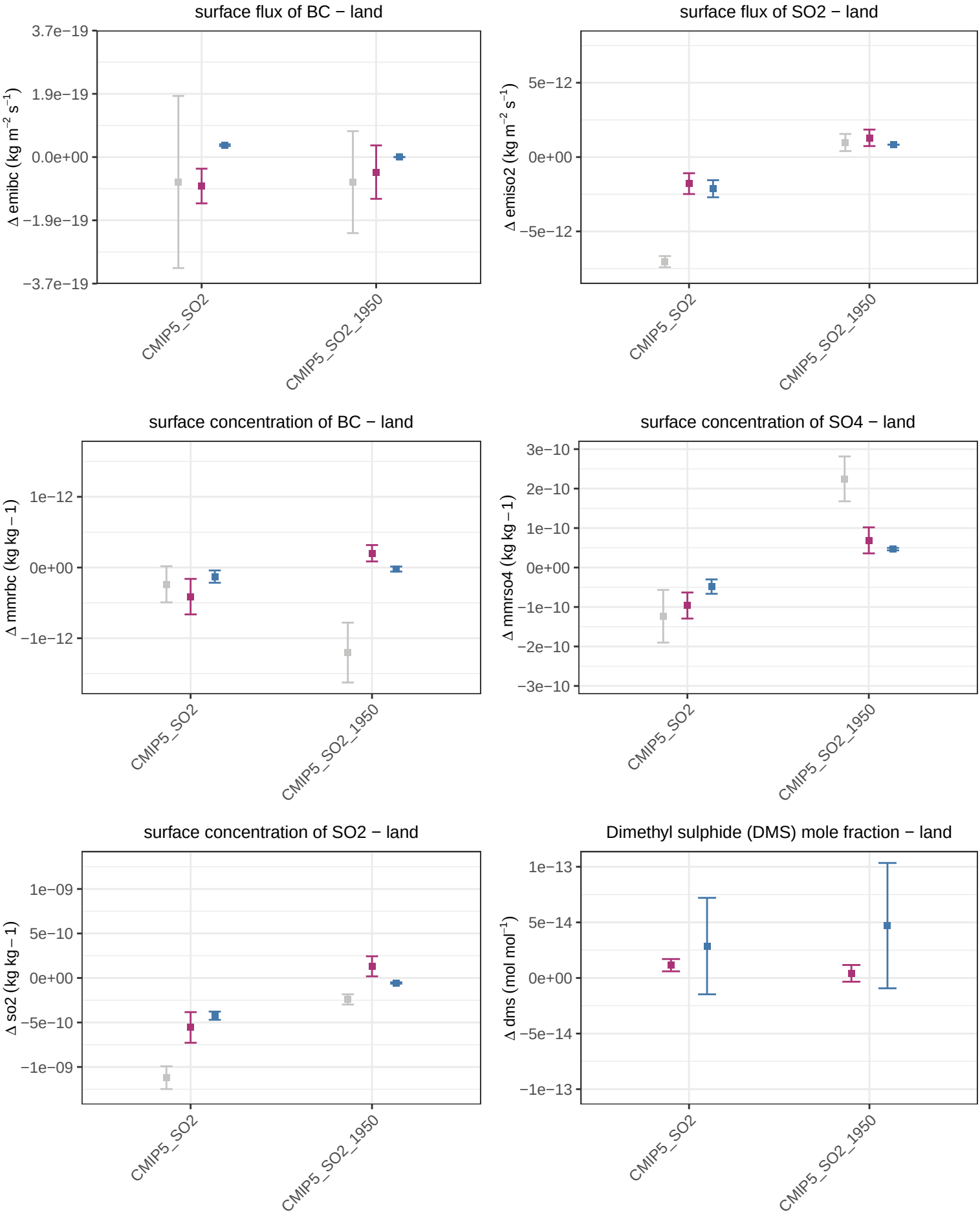
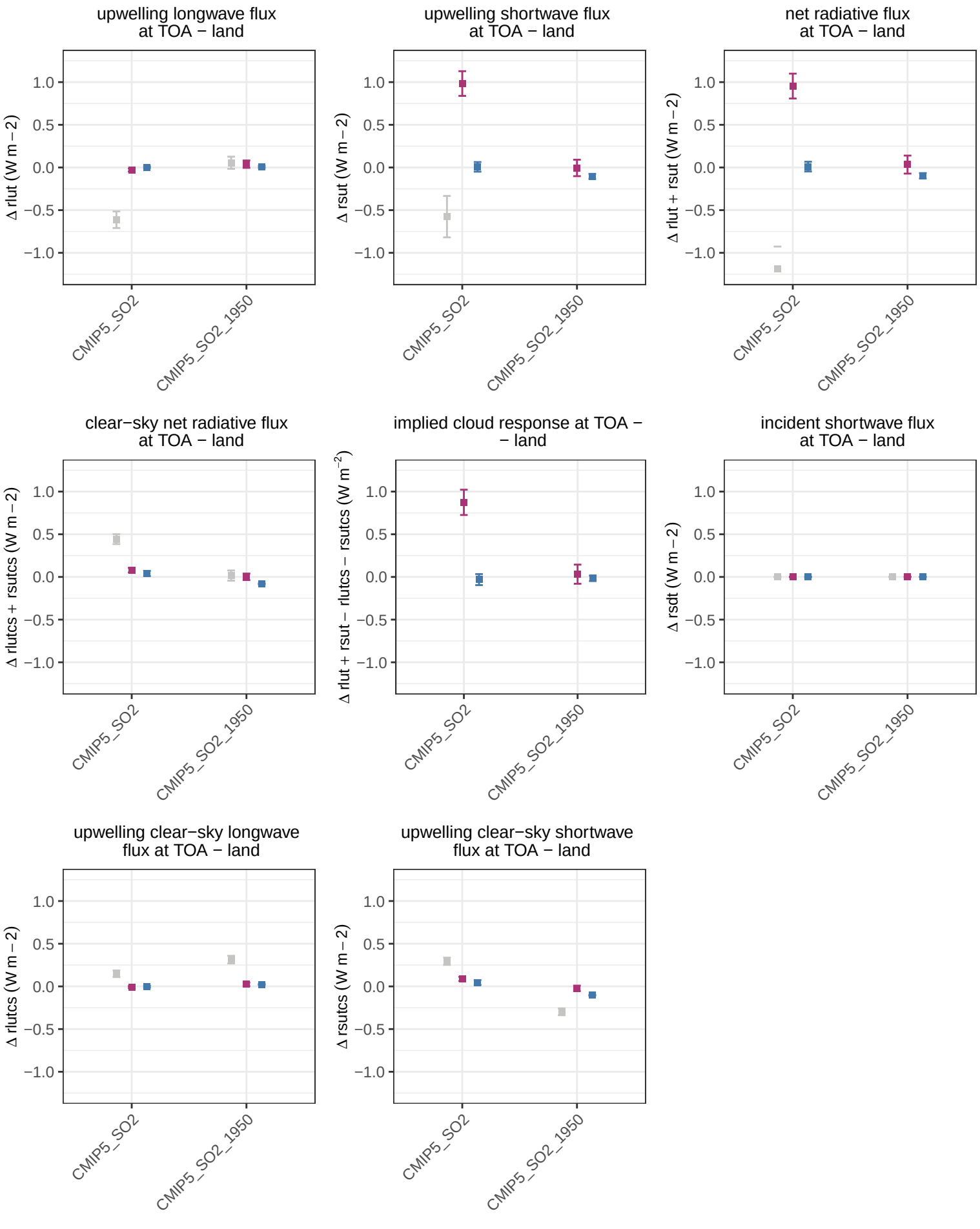
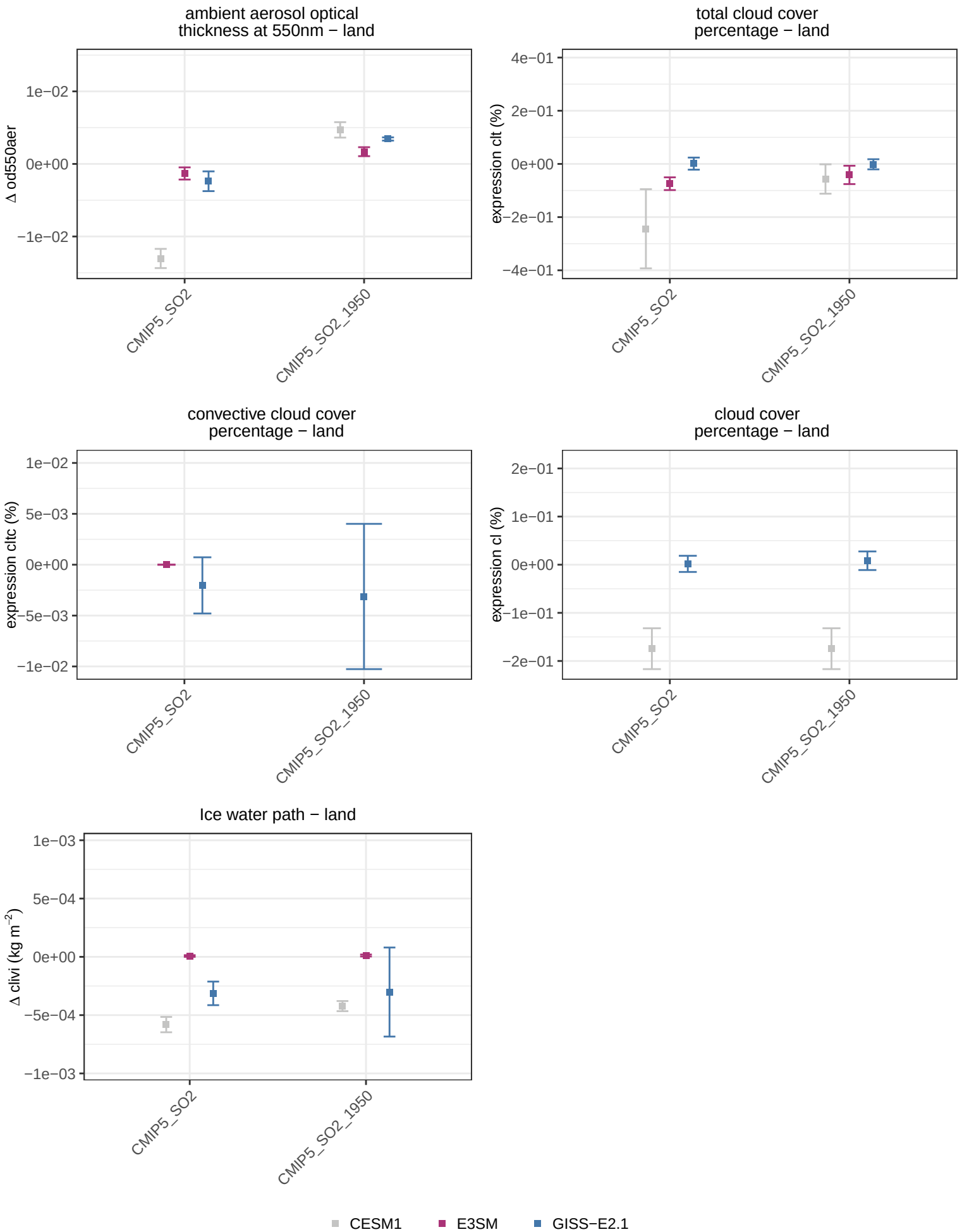
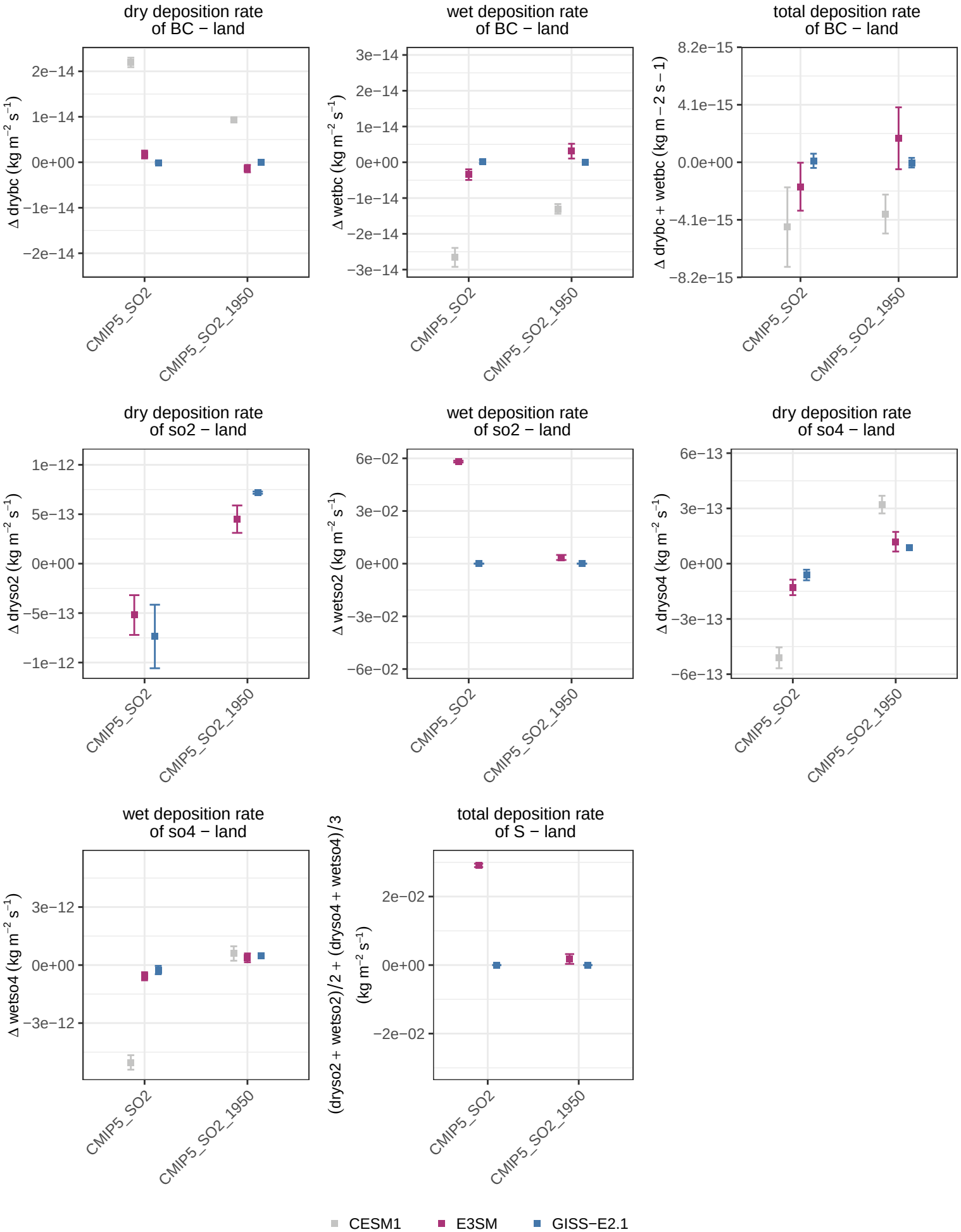
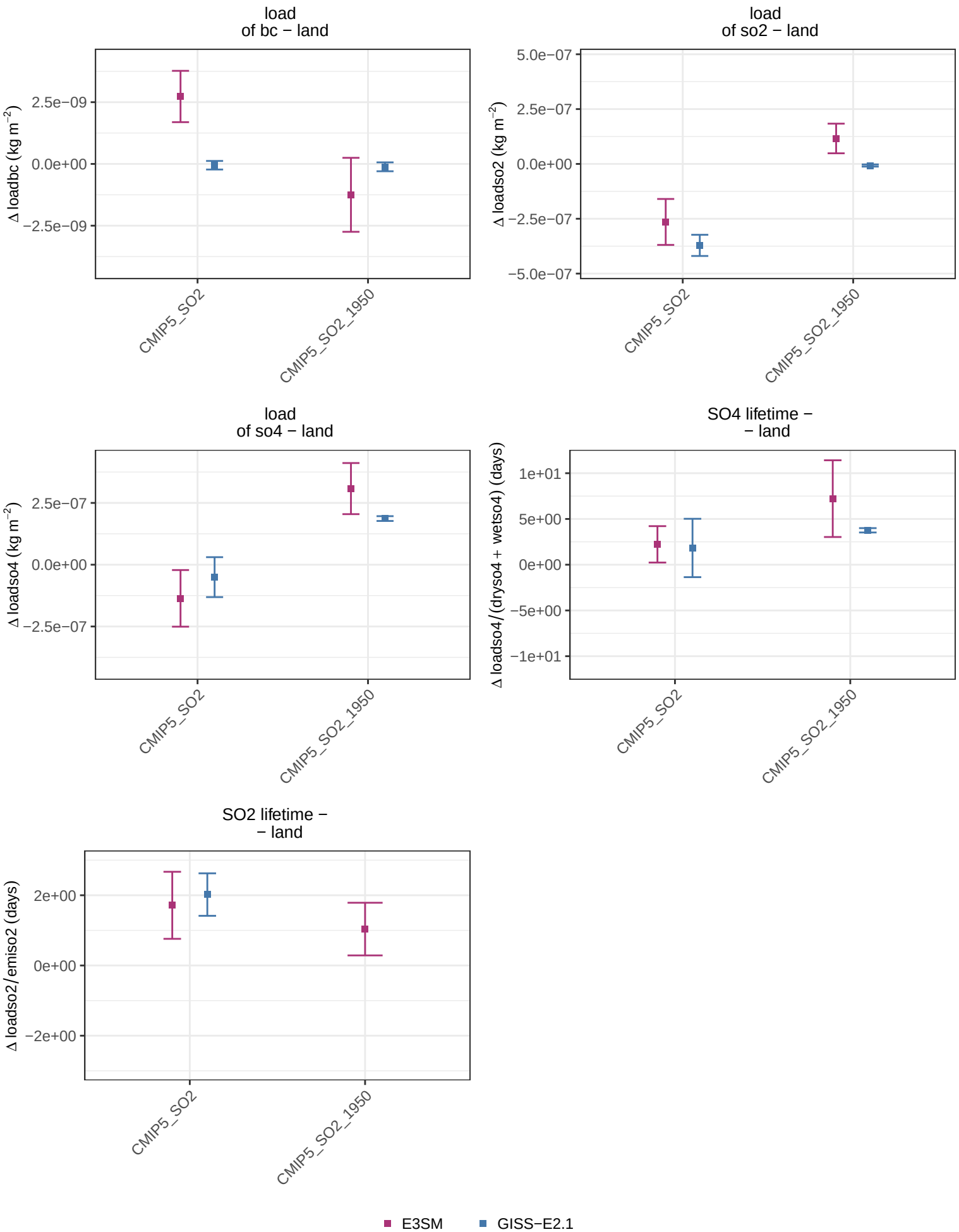
Summary − absolute difference




Summary − absolute difference
upwelling longwave flux at TOA − land
upwelling shortwave flux at TOA − land
net radiative flux at TOA − land
clear−sky net radiative flux at TOA − land
implied cloud response at TOA − − land
incident shortwave flux at TOA − land
upwelling clear−sky longwave flux at TOA − land
upwelling clear−sky shortwave flux at TOA − land
Δ rlut (W m − 2)
Δ rsut (W m − 2)
Δ rlut + rsut (W m − 2)
Δ rlutcs + rsutcs (W m − 2)
Δ rlut + rsut − rlutcs − rsutcs (W m−2)
Δ rsdt (W m − 2)
Δ rlutcs (W m − 2)
Δ rsutcs (W m − 2)
1.0
0.5
0.0
−0.5
−1.0
CMIP5_SO2
CMIP5_SO2_1950
CESM1
E3SM
GISS−E2.1


Summary − absolute difference
ambient aerosol optical thickness at 550nm − land
Δ od550aer
1e−02
0e+00
−1e−02
CMIP5_SO2
CMIP5_SO2_1950
total cloud cover percentage − land
expression clt (%)
4e−01
2e−01
0e+00
−2e−01
−4e−01
convective cloud cover percentage − land
expression cltc (%)
1e−02
5e−03
0e+00
−5e−03
−1e−02
cloud cover percentage − land
expression cl (%)
2e−01
1e−01
0e+00
−1e−01
−2e−01
Ice water path − land
Δ clivi (kg m^{-2})
1e−03
5e−04
0e+00
−5e−04
−1e−03
CESM1
E3SM
GISS−E2.1


Summary − absolute difference
dry deposition rate of BC − land
wet deposition rate of BC − land
total deposition rate of BC − land
dry deposition rate of so2 − land
wet deposition rate of so2 − land
dry deposition rate of so4 − land
wet deposition rate of so4 − land
total deposition rate of S − land
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)
(dryso2 + wetso2)/2 + (dryso4 + wetso4)/3 (kg m−2 s−1)
CMIP5_SO2
CMIP5_SO2_1950
CESM1
E3SM
GISS−E2.1


Summary − absolute difference
load
of bc − land
Δ loadbc (kg m−2)
2.5e−09
0.0e+00
−2.5e−09
load
of so2 − land
Δ loadso2 (kg m−2)
5.0e−07
2.5e−07
0.0e+00
−2.5e−07
−5.0e−07
load
of so4 − land
Δ loadso4 (kg m−2)
2.5e−07
0.0e+00
−2.5e−07
SO4 lifetime −
− land
Δ loadso4/(drydso4 + wetso4) (days)
1e+01
5e+00
0e+00
−5e+00
−1e+01
SO2 lifetime −
− land
Δ loadso2/emiso2 (days)
2e+00
0e+00
−2e+00
CMIP5_SO2
CMIP5_SO2_1950
E3SM
GISS−E2.1