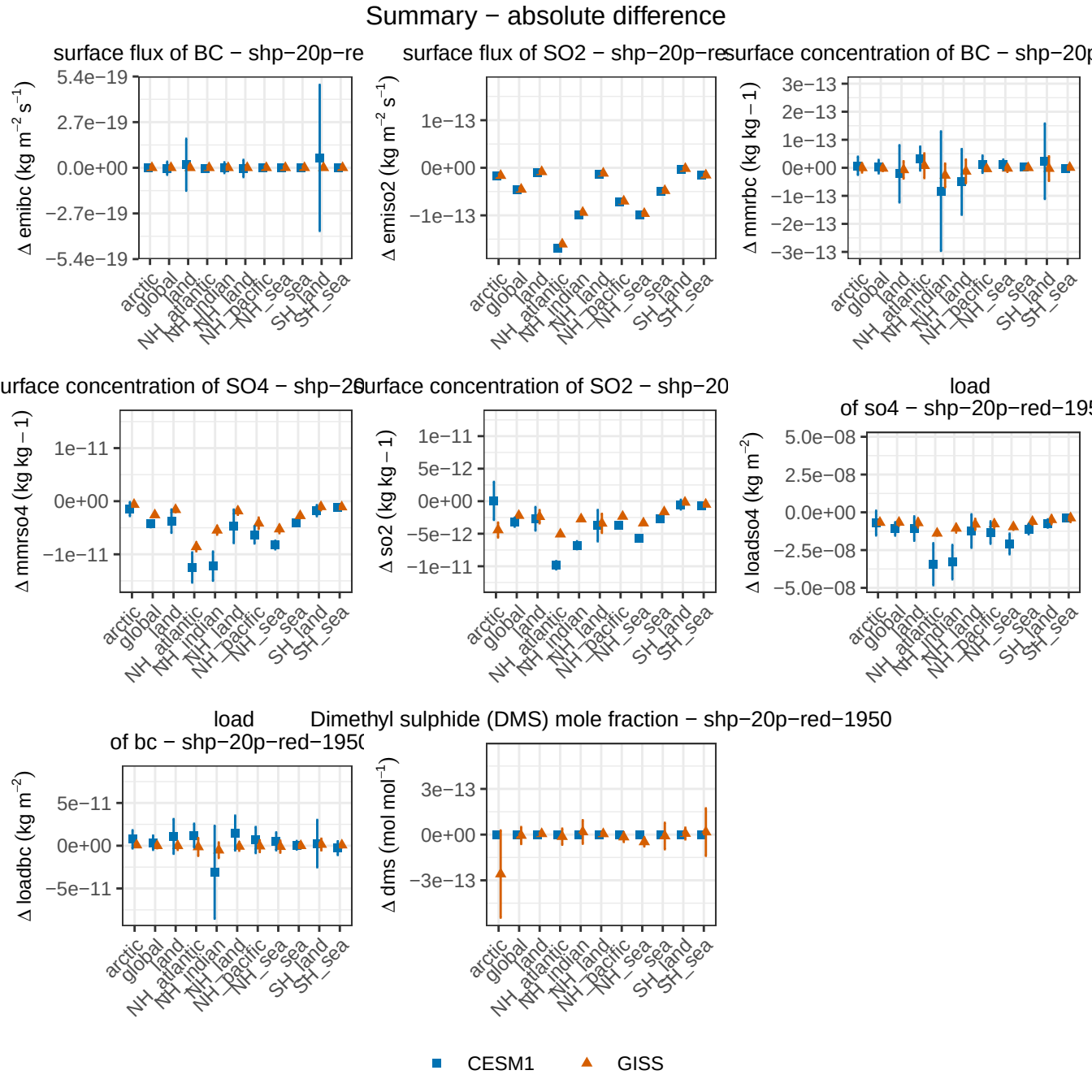
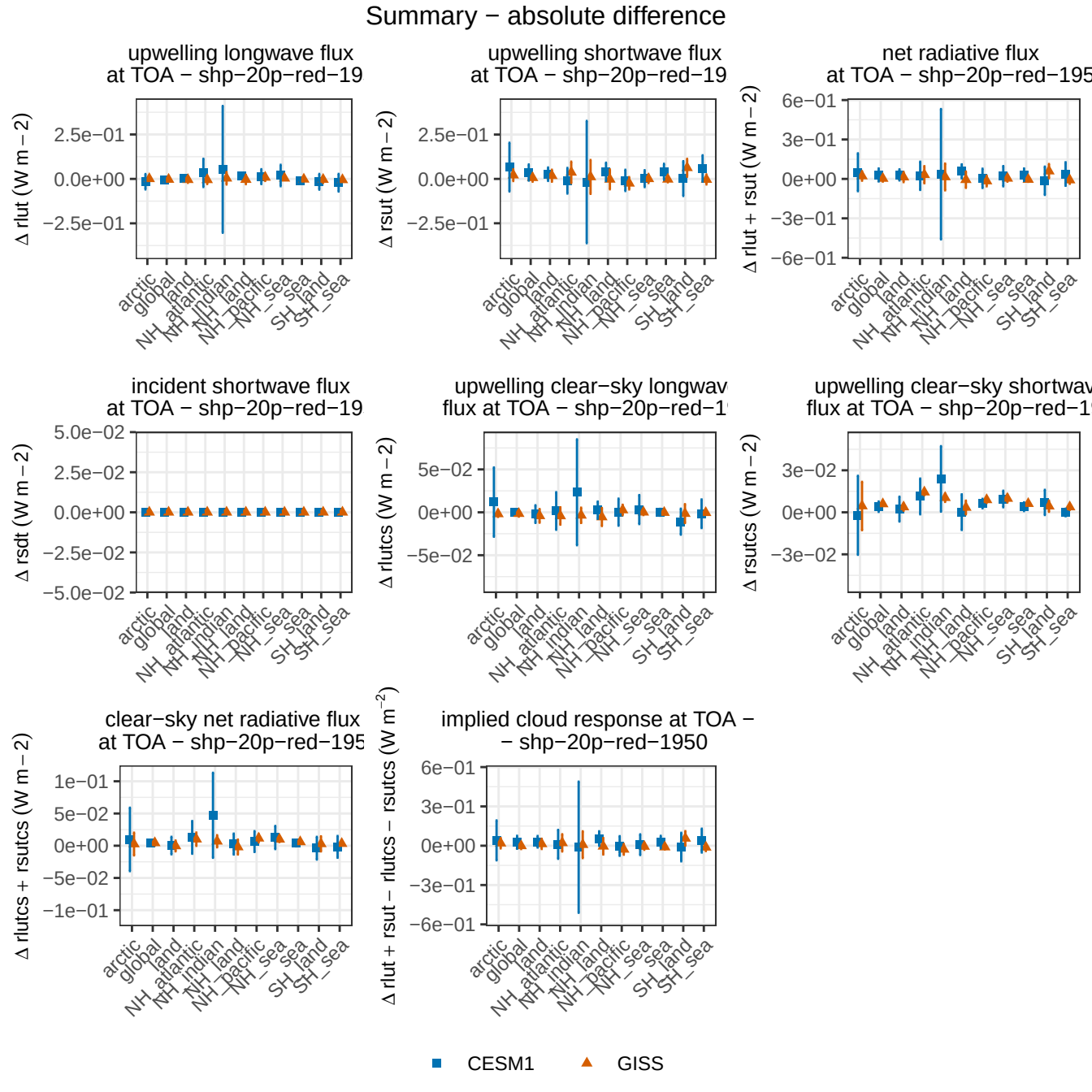
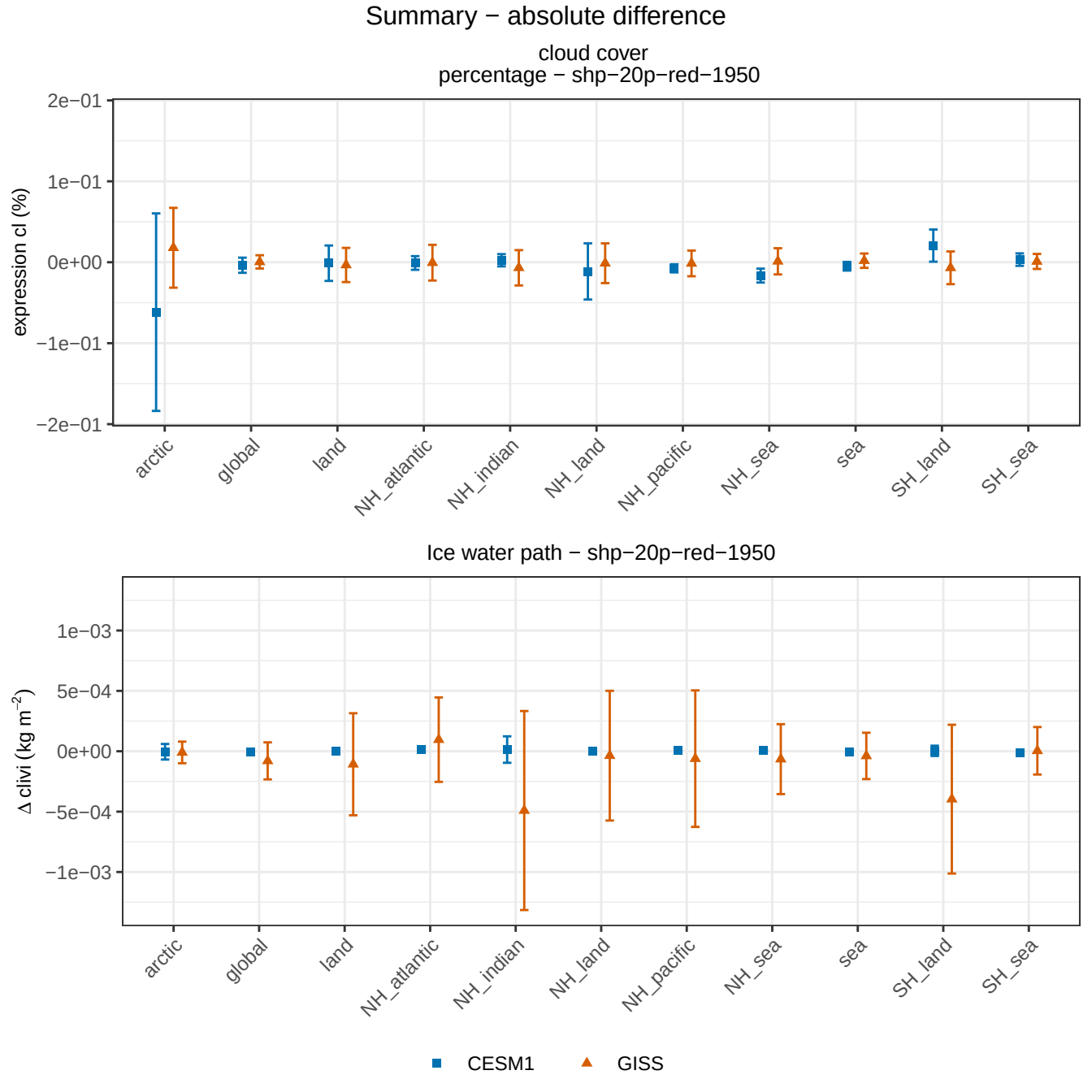
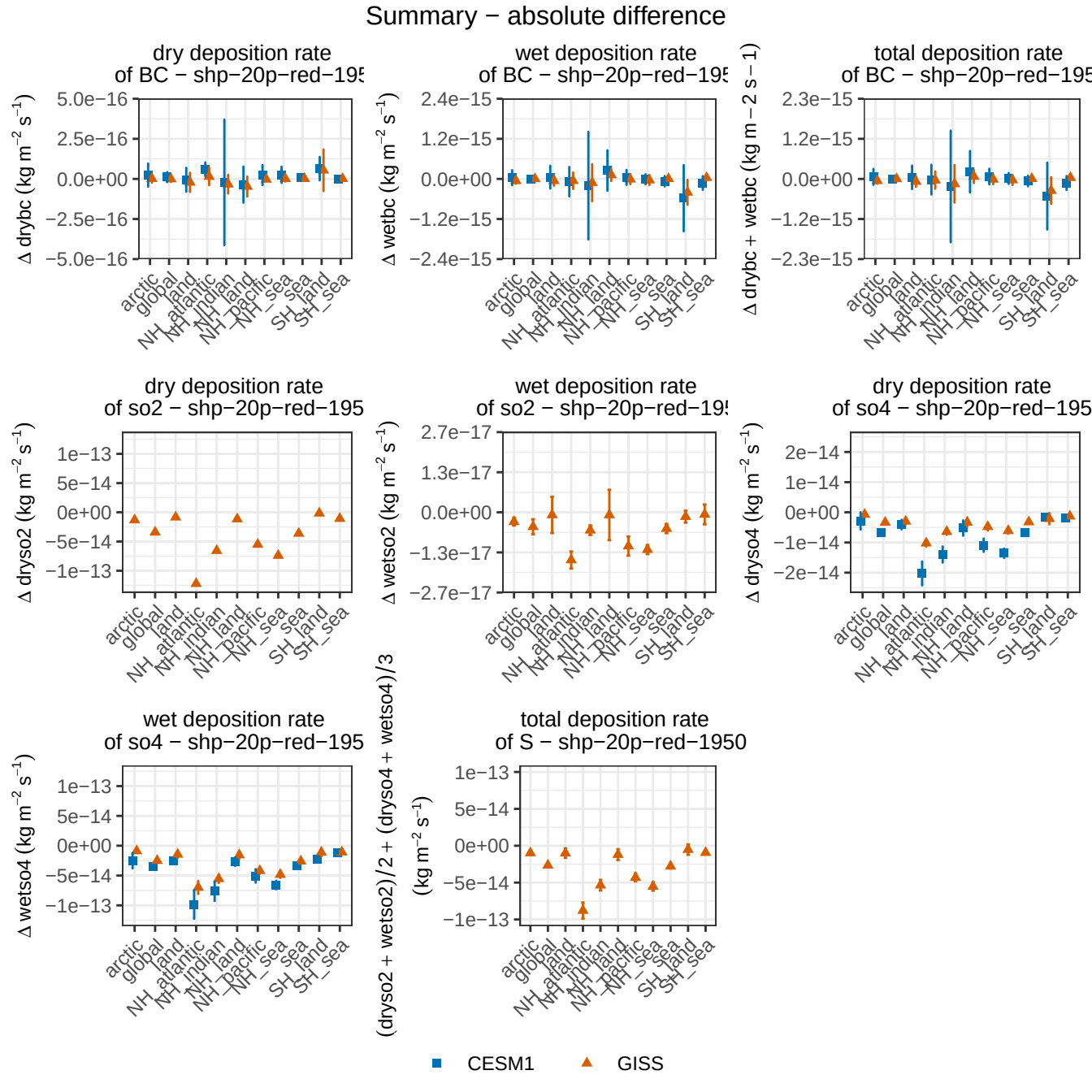

Summary − absolute difference
surface flux of BC − shp−20p−re
surface flux of SO2 − shp−20p−re
surface concentration of BC − shp−20p
urface concentration of SO4 − shp−20
urface concentration of SO2 − shp−20
load
of so4 − shp−20p−red−195
load
of bc − shp−20p−red−195(
Dimethyl sulphide (DMS) mole fraction − shp−20p−red−1950
Δ emibc (kg m−2 s−1)
Δ emiso2 (kg m−2 s−1)
Δ mmrbc (kg kg − 1)
Δ mmrso4 (kg kg − 1)
Δ so2 (kg kg − 1)
Δ loadso4 (kg m−2)
Δ loadbc (kg m−2)
Δ dms (mol mol−1)
arctic
global
land
NH_atlantic
NH_indian
NH_land
NH_pacific
NH_sea
sea
SH_land
SH_sea
CESM1
GISS


Summary − absolute difference
upwelling longwave flux at TOA − shp−20p−red−19
upwelling shortwave flux at TOA − shp−20p−red−19
net radiative flux at TOA − shp−20p−red−195
incident shortwave flux at TOA − shp−20p−red−19
upwelling clear−sky longwav flux at TOA − shp−20p−red−1
upwelling clear−sky shortwav flux at TOA − shp−20p−red−1
clear−sky net radiative flux at TOA − shp−20p−red−195
implied cloud response at TOA − − shp−20p−red−1950
Δ rlut (W m − 2)
Δ rsut (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)
arctic
global
land
NH_atlantic
NH_indian
NH_land
NH_pacific
NH_sea
sea
SH_land
SH_sea
CESM1
GISS


Summary − absolute difference
cloud cover
percentage − shp−20p−red−1950
expression cl (%)
2e−01
1e−01
0e+00
−1e−01
−2e−01
arctic
global
land
NH_atlantic
NH_indian
NH_land
NH_pacific
NH_sea
sea
SH_land
SH_sea
Ice water path − shp−20p−red−1950
Δ clivi (kg m^{-2})
1e−03
5e−04
0e+00
−5e−04
−1e−03
CESM1
GISS


Summary − absolute difference
dry deposition rate of BC − shp−20p−red−195
wet deposition rate of BC − shp−20p−red−195
total deposition rate of BC − shp−20p−red−195
Δ drybc (kg m−2 s−1)
Δ wetbc (kg m−2 s−1)
Δ drybc + wetbc (kg m−2 s−1)
5.0e−16
2.5e−16
0.0e+00
−2.5e−16
−5.0e−16
2.4e−15
1.2e−15
0.0e+00
−1.2e−15
−2.4e−15
2.3e−15
1.2e−15
0.0e+00
−1.2e−15
−2.3e−15
arctic
global
land
NH_atlantic
NH_indian
NH_land
NH_pacific
NH_sea
sea
SH_land
SH_sea
dry deposition rate of so2 − shp−20p−red−195
wet deposition rate of so2 − shp−20p−red−195
dry deposition rate of so4 − shp−20p−red−195
Δ dryso2 (kg m−2 s−1)
Δ wetso2 (kg m−2 s−1)
Δ dryso4 (kg m−2 s−1)
1e−13
5e−14
0e+00
−5e−14
−1e−13
2.7e−17
1.3e−17
0.0e+00
−1.3e−17
−2.7e−17
2e−14
1e−14
0e+00
−1e−14
−2e−14
wet deposition rate of so4 − shp−20p−red−195
total deposition rate of S − shp−20p−red−1950
Δ wetso4 (kg m−2 s−1)
(dryso2 + wetso2)/2 + (dryso4 + wetso4)/3 (kg m−2 s−1)
CESM1
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