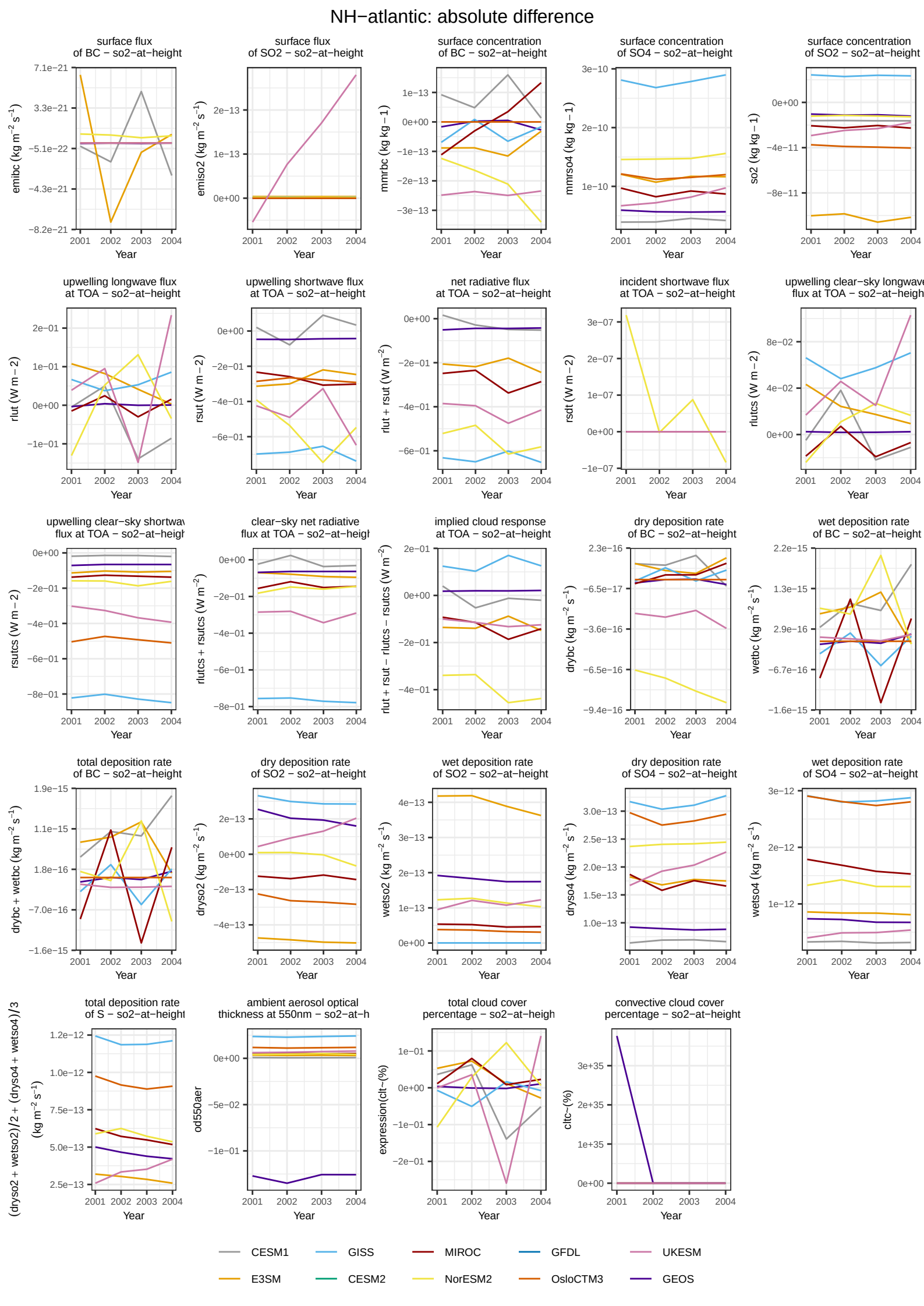
NH−atlantic: absolute difference
surface flux of BC − so2−at−height
surface flux of SO2 − so2−at−height
surface concentration of BC − so2−at−height
surface concentration of SO4 − so2−at−height
surface concentration of SO2 − so2−at−height
emibc (kg m−2 s−1)
emiso2 (kg m−2 s−1)
mmrbc (kg kg−1)
mmrso4 (kg kg−1)
so2 (kg kg−1)
upwelling longwave flux at TOA − so2−at−height
upwelling shortwave flux at TOA − so2−at−height
net radiative flux at TOA − so2−at−height
incident shortwave flux at TOA − so2−at−height
upwelling clear−sky longwave flux at TOA − so2−at−heigh
rlut (W m−2)
rsut (W m−2)
rlut + rsut (W m−2)
rsdt (W m−2)
rlutcs (W m−2)
upwelling clear−sky shortwav flux at TOA − so2−at−heigh
clear−sky net radiative flux at TOA − so2−at−heigh
implied cloud response at TOA − so2−at−height
dry deposition rate of BC − so2−at−height
wet deposition rate of BC − so2−at−height
rsutcs (W m−2)
rlutcs + rsutcs (W m−2)
rlut + rsut − rlutcs − rsutcs (W m−2)
drybc (kg m−2 s−1)
wetbc (kg m−2 s−1)
total deposition rate of BC − so2−at−height
dry deposition rate of SO2 − so2−at−height
wet deposition rate of SO2 − so2−at−height
dry deposition rate of SO4 − so2−at−height
wet deposition rate of SO4 − so2−at−height
drybc + wetbc (kg m−2 s−1)
dryso2 (kg m−2 s−1)
wetso2 (kg m−2 s−1)
dryso4 (kg m−2 s−1)
wetso4 (kg m−2 s−1)
total deposition rate of S − so2−at−height
ambient aerosol optical thickness at 550nm − so2−at−h
total cloud cover percentage − so2−at−heigh
convective cloud cover percentage − so2−at−height
(dryso2 + wetso2)/2 + (dryso4 + wetso4)/3 (kg m−2 s−1)
od550aer
expression(clt−(%))
cltc−(%)
Year
2001
2002
2003
2004
CESM1
GISS
MIROC
GFDL
UKESM
E3SM
CESM2
NorESM2
OsloCTM3
GEOS