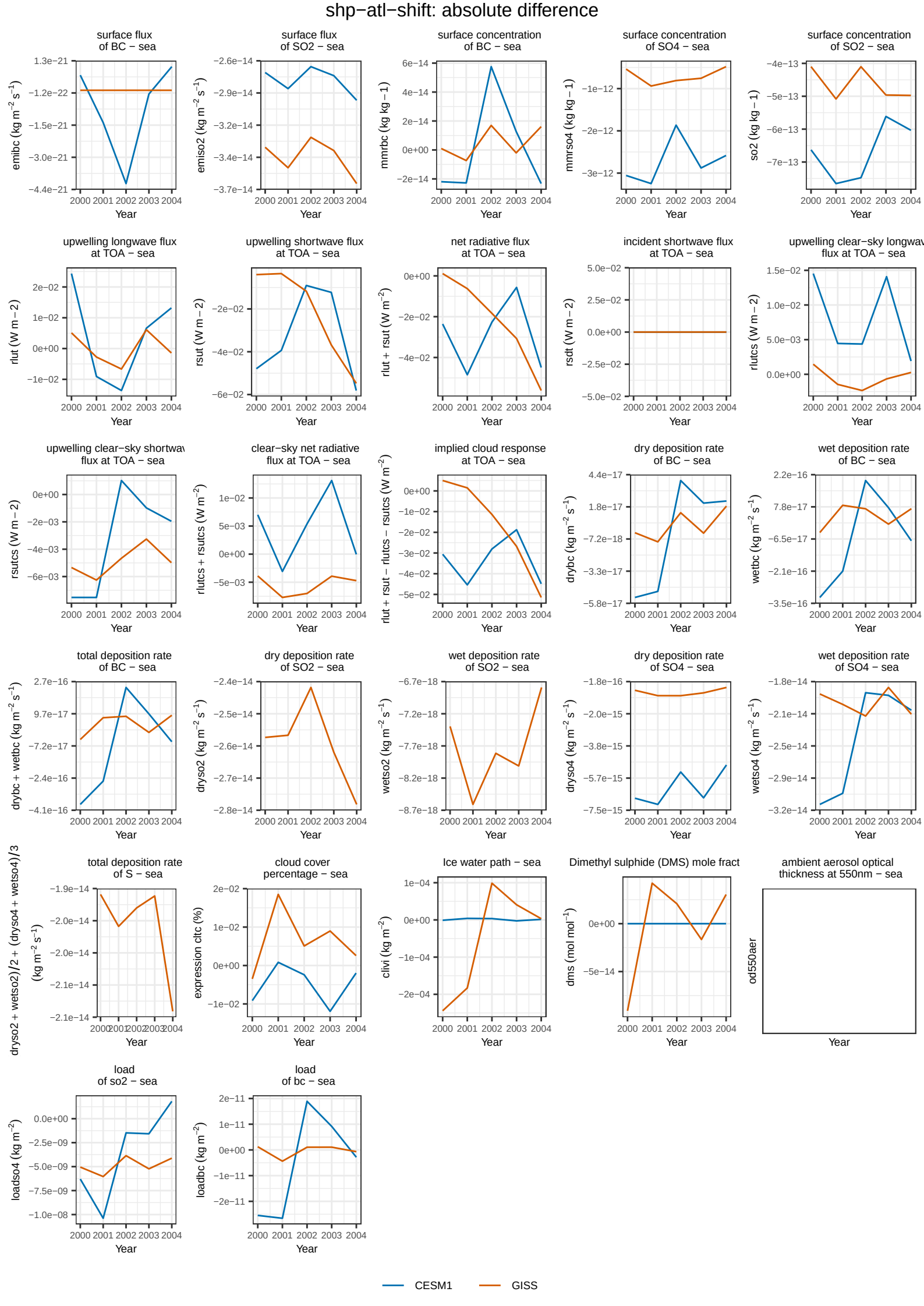
shp−atl−shift: absolute difference
surface flux of BC − sea
emibc (kg m−2 s−1)
surface flux of SO2 − sea
emiso2 (kg m−2 s−1)
surface concentration of BC − sea
mmrbc (kg kg−1)
surface concentration of SO4 − sea
mmrso4 (kg kg−1)
surface concentration of SO2 − sea
so2 (kg kg−1)
upwelling longwave flux at TOA − sea
rlut (W m−2)
upwelling shortwave flux at TOA − sea
rsut (W m−2)
net radiative flux at TOA − sea
rlut + rsut (W m−2)
incident shortwave flux at TOA − sea
rsdt (W m−2)
upwelling clear−sky longwav flux at TOA − sea
rlutcs (W m−2)
upwelling clear−sky shortwa flux at TOA − sea
rsutcs (W m−2)
clear−sky net radiative flux at TOA − sea
rlutcs + rsutcs (W m−2)
implied cloud response at TOA − sea
rlut + rsut − rlutcs − rsutcs (W m−2)
dry deposition rate of BC − sea
drybc (kg m−2 s−1)
wet deposition rate of BC − sea
wetbc (kg m−2 s−1)
total deposition rate of BC − sea
drybc + wetbc (kg m−2 s−1)
dry deposition rate of SO2 − sea
dryso2 (kg m−2 s−1)
wet deposition rate of SO2 − sea
wetso2 (kg m−2 s−1)
dry deposition rate of SO4 − sea
dryso4 (kg m−2 s−1)
wet deposition rate of SO4 − sea
wetso4 (kg m−2 s−1)
total deposition rate of S − sea
dryso2 + wetso2)/2 + (dryso4 + wetso4)/3 (kg m−2 s−1)
cloud cover percentage − sea
expression cltc (%)
Ice water path − sea
clivi (kg m−2)
Dimethyl sulphide (DMS) mole fract
dms (mol mol−1)
ambient aerosol optical thickness at 550nm − sea
od550aer
load of so2 − sea
loadso4 (kg m−2)
load of bc − sea
loadbc (kg m−2)
Year
2000 2001 2002 2003 2004
CESM1
GISS