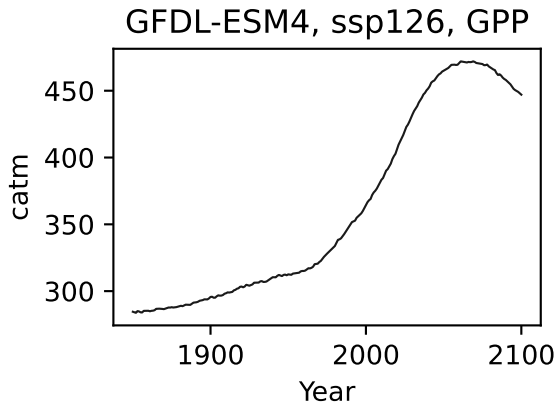
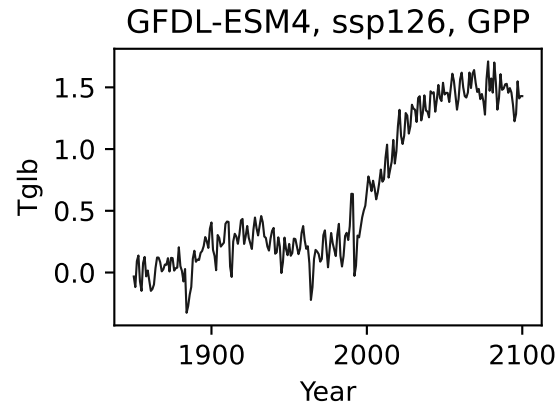
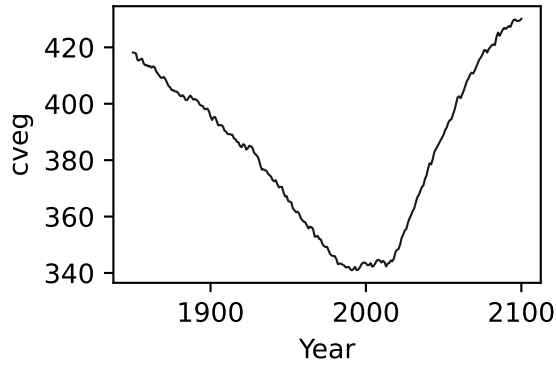
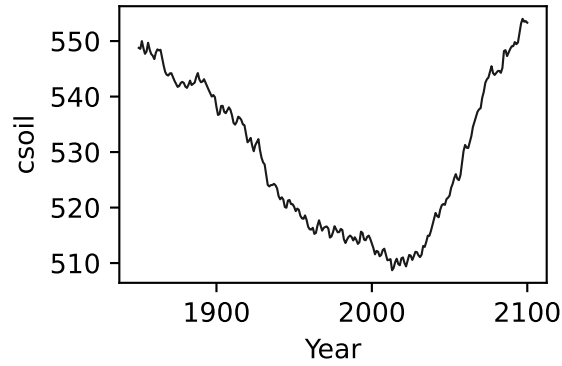
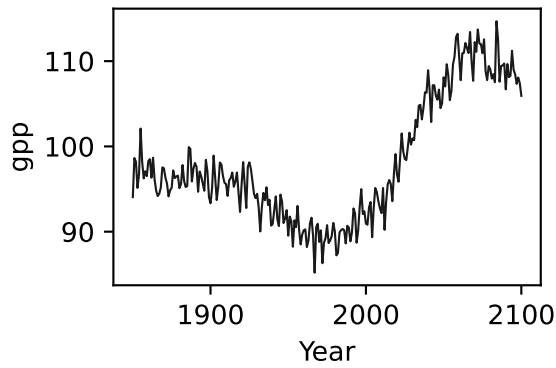
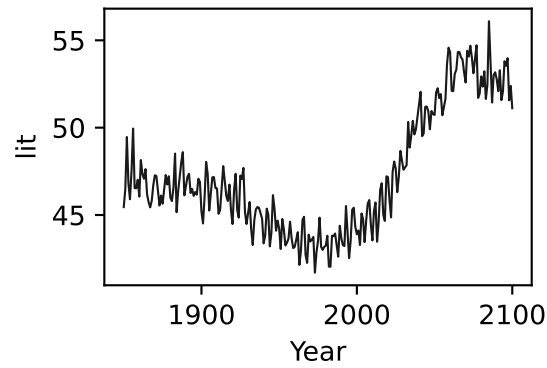

GFDL-ESM4, ssp126, GPP
catm
450
400
350
300
1900
2000
2100
Year

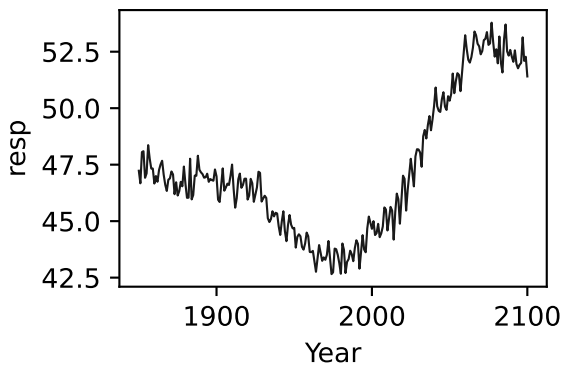

GFDL-ESM4, ssp126, GPP
Tglb
1.5
1.0
0.5
0.0
1900
2000
2100
Year

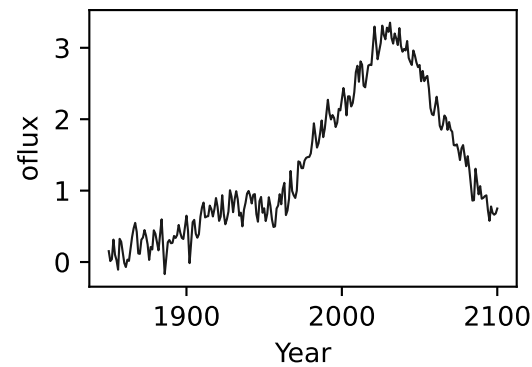

cveg
420
400
380
360
340
1900
2000
2100
Year

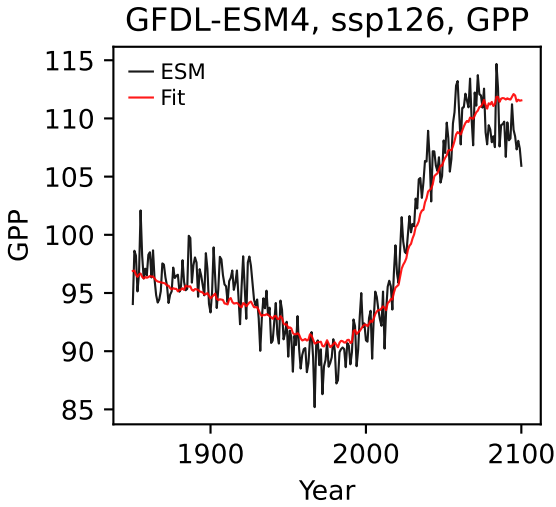

csoil
550
540
530
520
510
1900
2000
2100
Year

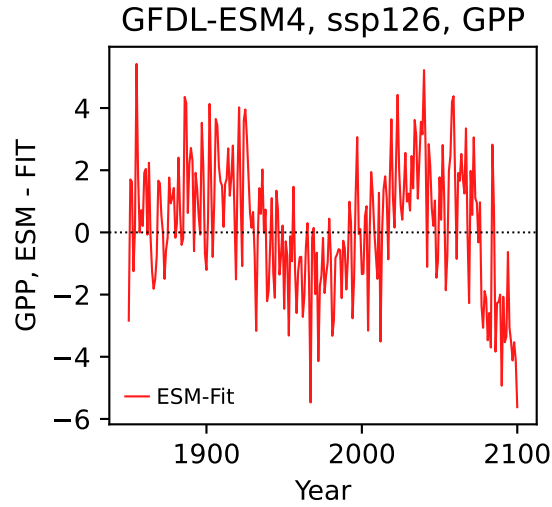

gpp
110
100
90
1900
2000
2100
Year

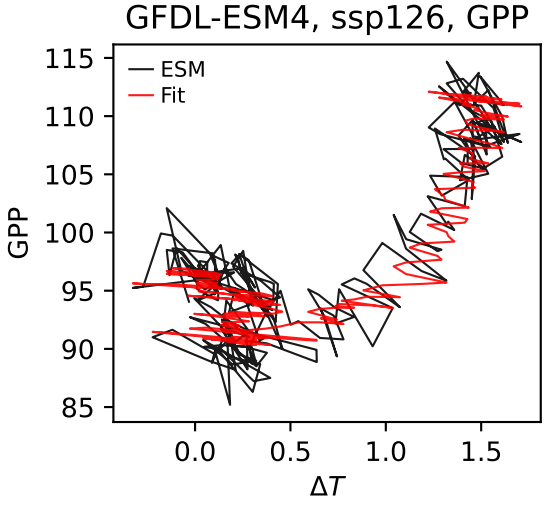

lit
55
50
45
1900
2000
2100
Year

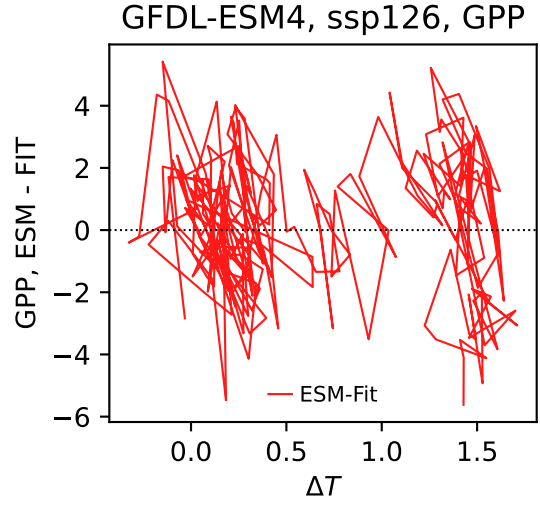

resp
52.5
50.0
47.5
45.0
42.5
1900
2000
2100
Year

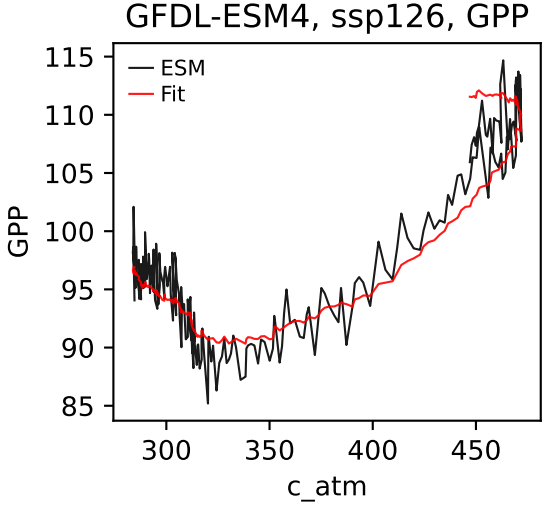

oflux
3
2
1
0
1900
2000
2100
Year

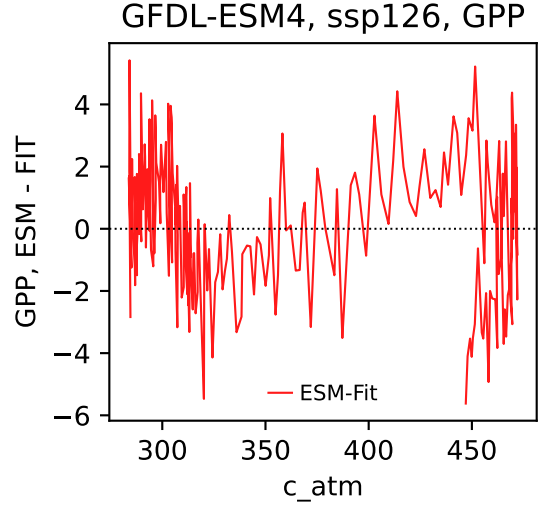

GFDL-ESM4, ssp126, GPP
ESM
Fit
GPP
Year

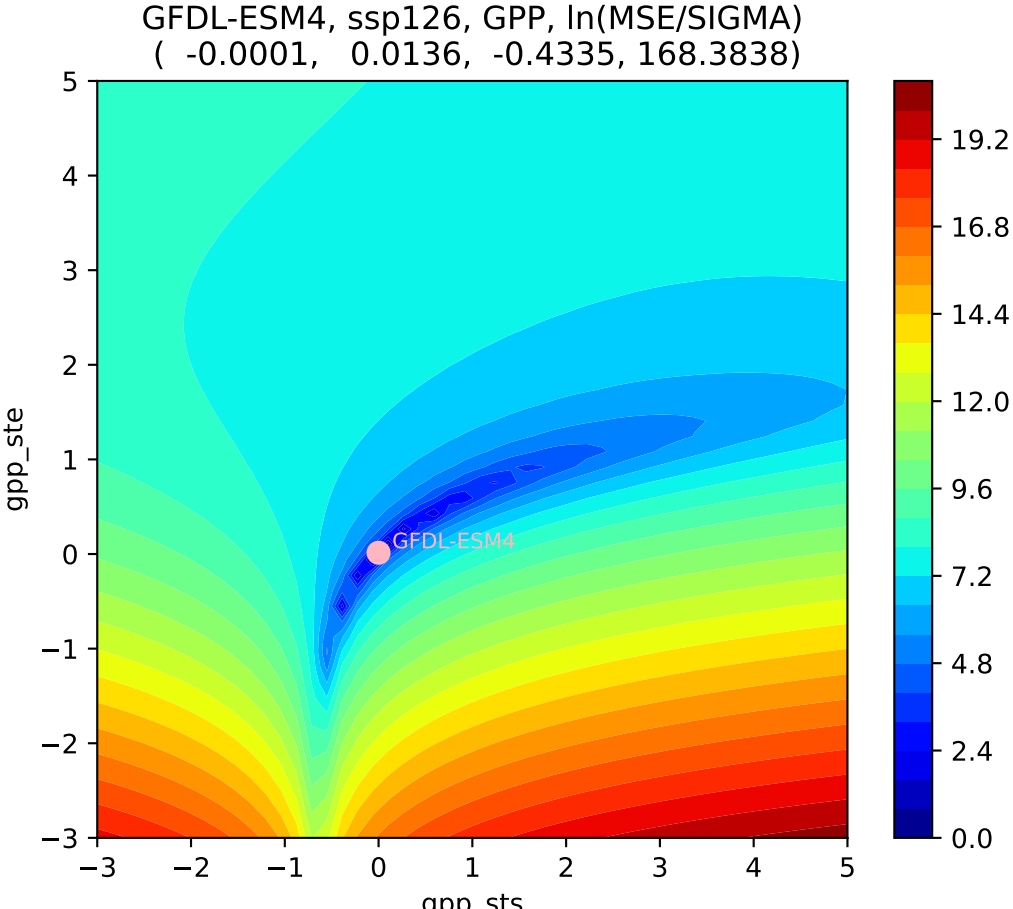

GFDL-ESM4, ssp126, GPP
GPP, ESM - FIT
ESM-Fit
Year

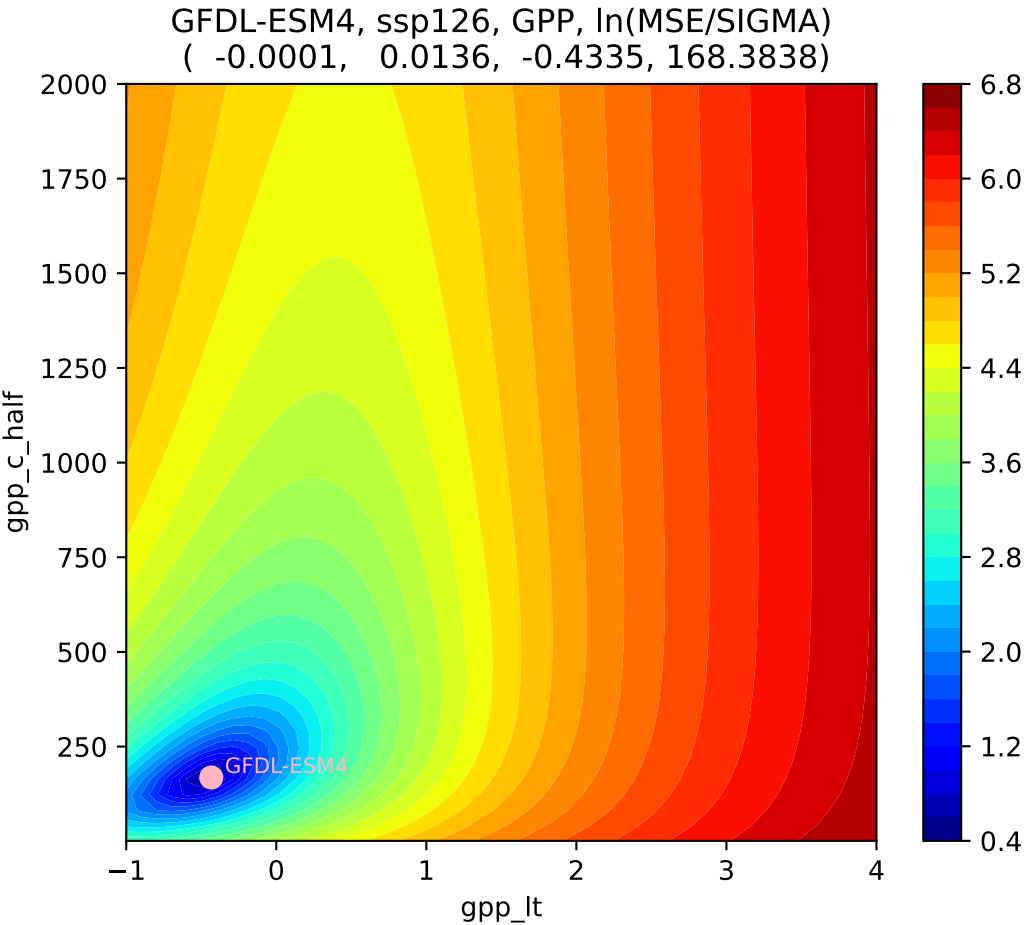

GFDL-ESM4, ssp126, GPP
ESM
Fit
GPP
ΔT

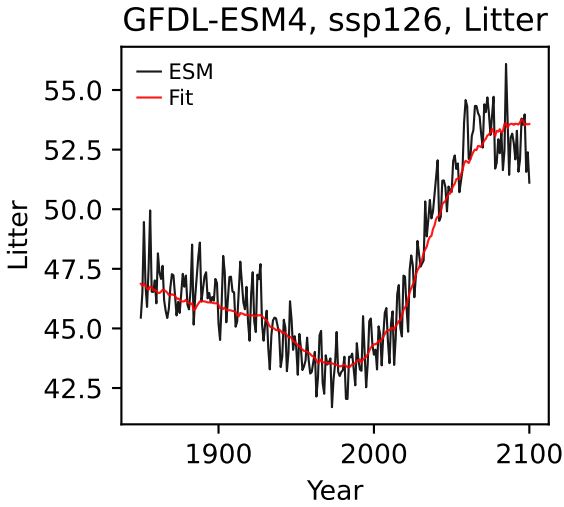

GFDL-ESM4, ssp126, GPP
GPP, ESM - FIT
ESM-Fit
ΔT

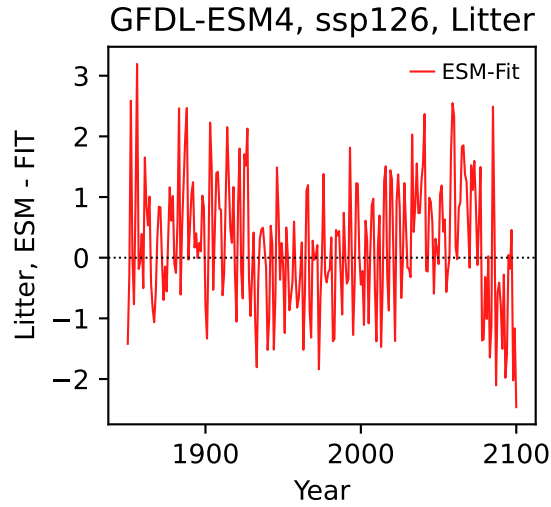

GFDL-ESM4, ssp126, GPP
ESM
Fit
GPP
c_atm

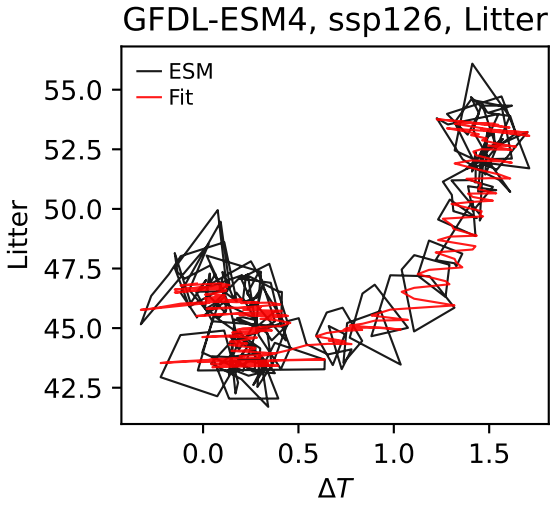

GFDL-ESM4, ssp126, GPP
GPP, ESM - FIT
ESM-Fit
c_atm

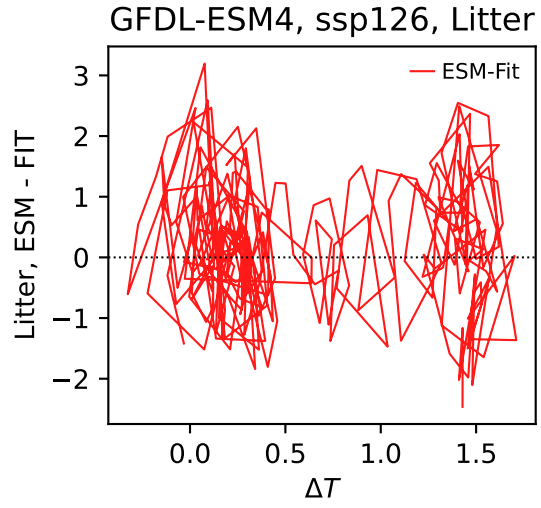

GFDL-ESM4, ssp126, GPP, ln(MSE/SIGMA)
( -0.0001, 0.0136, -0.4335, 168.3838)
gpp_ste
gpp_sts
GFDL-ESM4
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
19.2
16.8
14.4
12.0
9.6
7.2
4.8
2.4
0.0

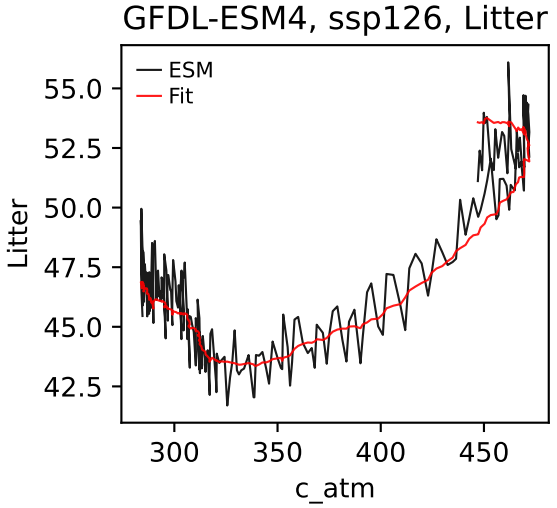

GFDL-ESM4, ssp126, GPP, ln(MSE/SIGMA)
( -0.0001, 0.0136, -0.4335, 168.3838)
gpp_c_half
gpp_lt
GFDL-ESM4
2000
1750
1500
1250
1000
750
500
250
−1
0
1
2
3
4
6.8
6.0
5.2
4.4
3.6
2.8
2.0
1.2
0.4

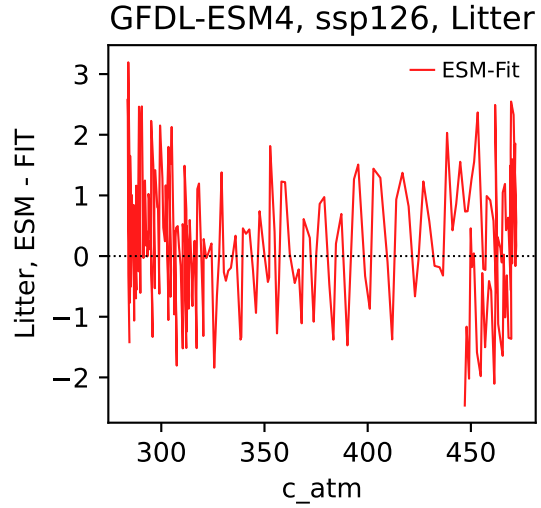

GFDL-ESM4, ssp126, Litter
ESM
Fit
Litter
Year

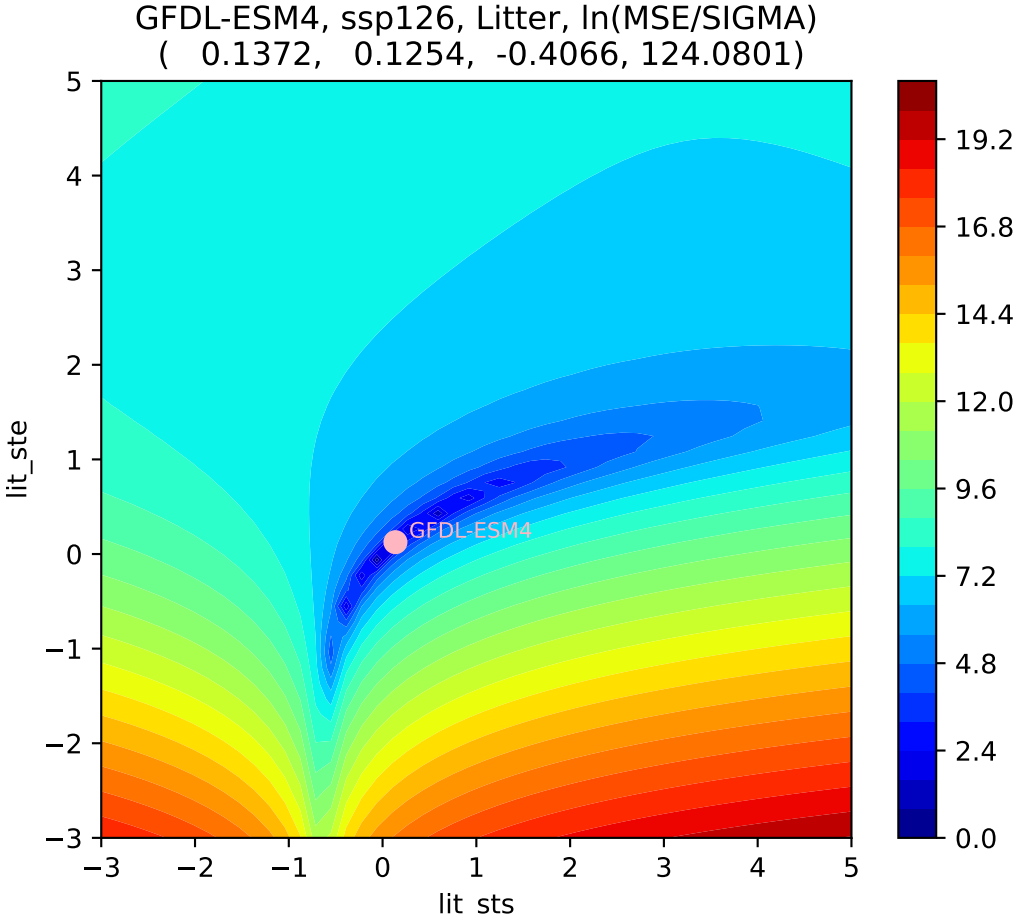

GFDL-ESM4, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
Year

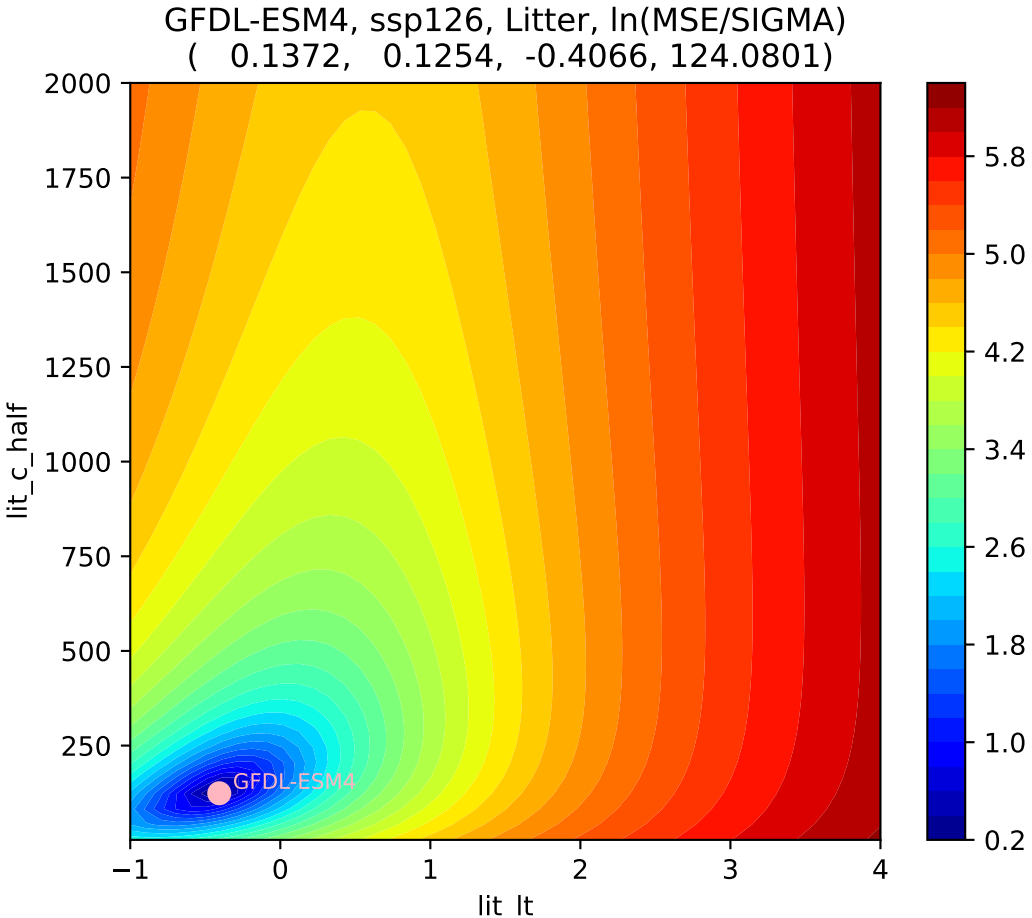

GFDL-ESM4, ssp126, Litter
ESM
Fit
Litter
ΔT

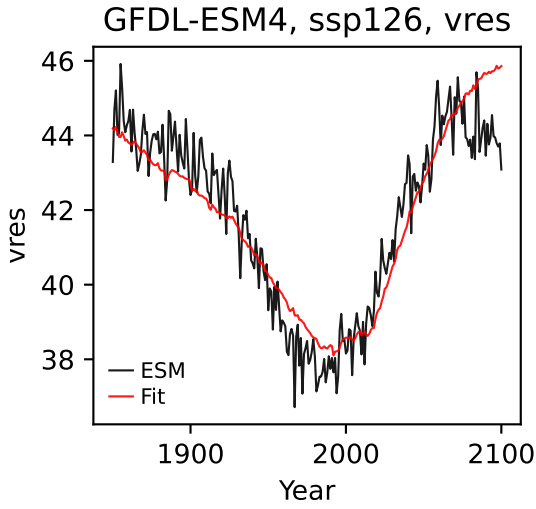

GFDL-ESM4, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

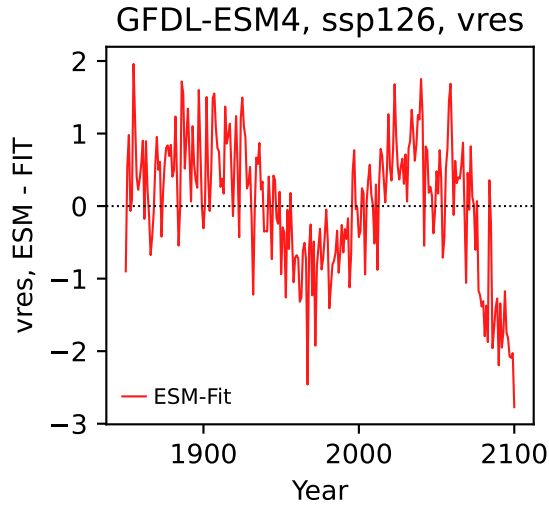

GFDL-ESM4, ssp126, Litter
ESM
Fit
Litter
c_atm

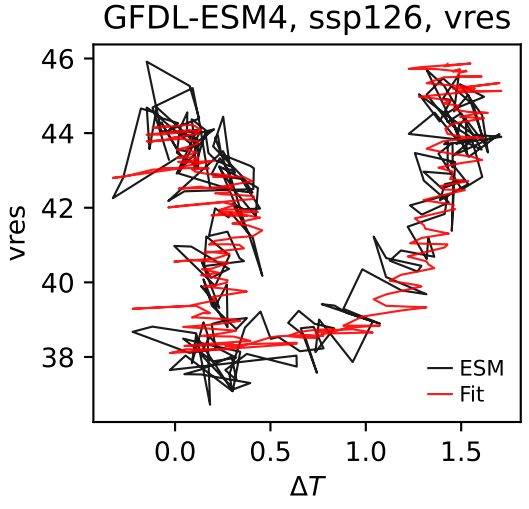

GFDL-ESM4, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

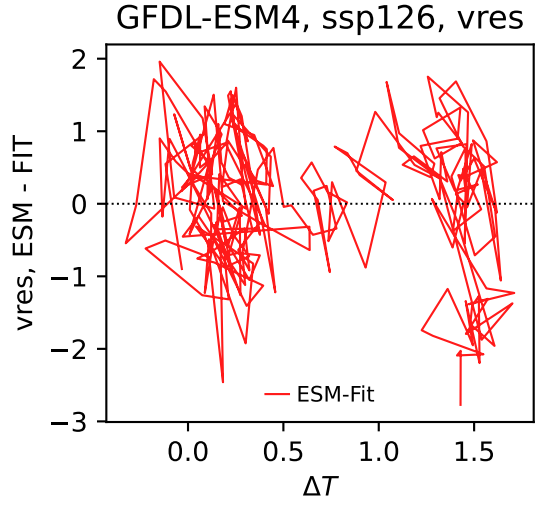

GFDL-ESM4, ssp126, Litter, ln(MSE/SIGMA)
( 0.1372, 0.1254, -0.4066, 124.0801)
GFDL-ESM4
lit_ste
lit_sts
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
19.2
16.8
14.4
12.0
9.6
7.2
4.8
2.4
0.0

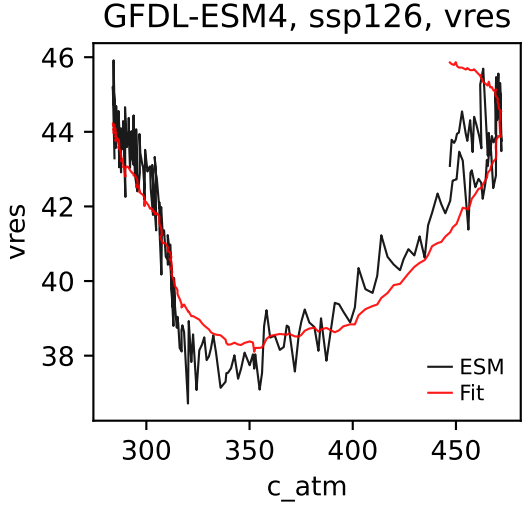

GFDL-ESM4, ssp126, Litter, ln(MSE/SIGMA)
( 0.1372, 0.1254, -0.4066, 124.0801)
2000
1750
1500
1250
1000
750
500
250
lit_c_half
GFDL-ESM4
−1
0
1
2
3
4
lit_lt
5.8
5.0
4.2
3.4
2.6
1.8
1.0
0.2

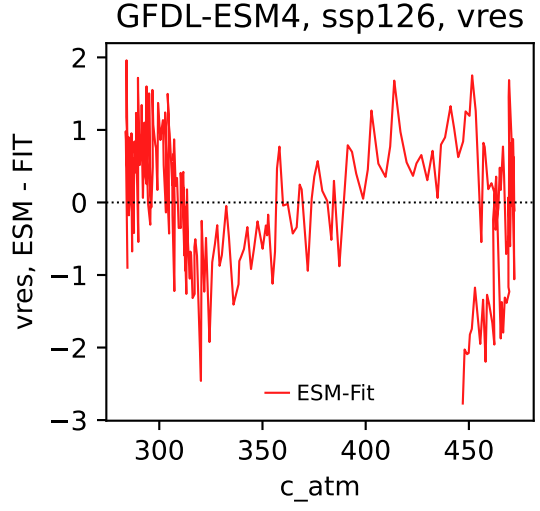

GFDL-ESM4, ssp126, vres
vres
Year
ESM
Fit

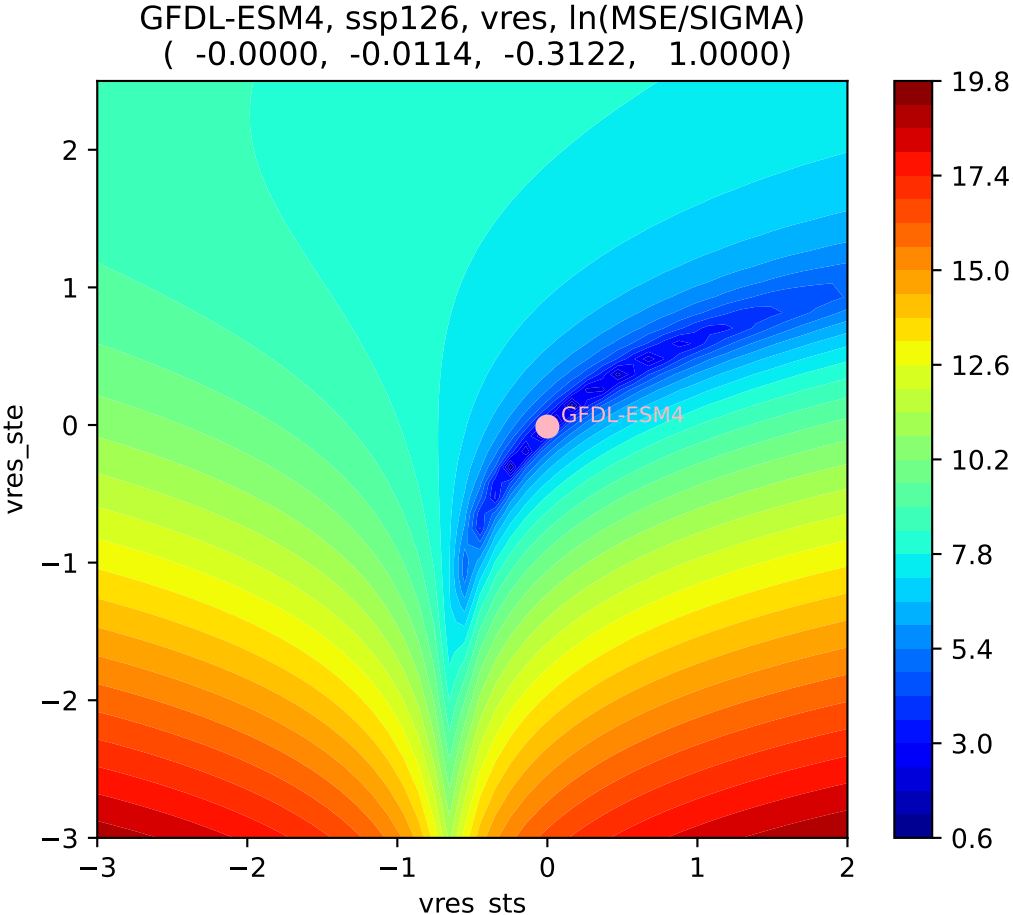

GFDL-ESM4, ssp126, vres
vres, ESM - FIT
Year
ESM-Fit

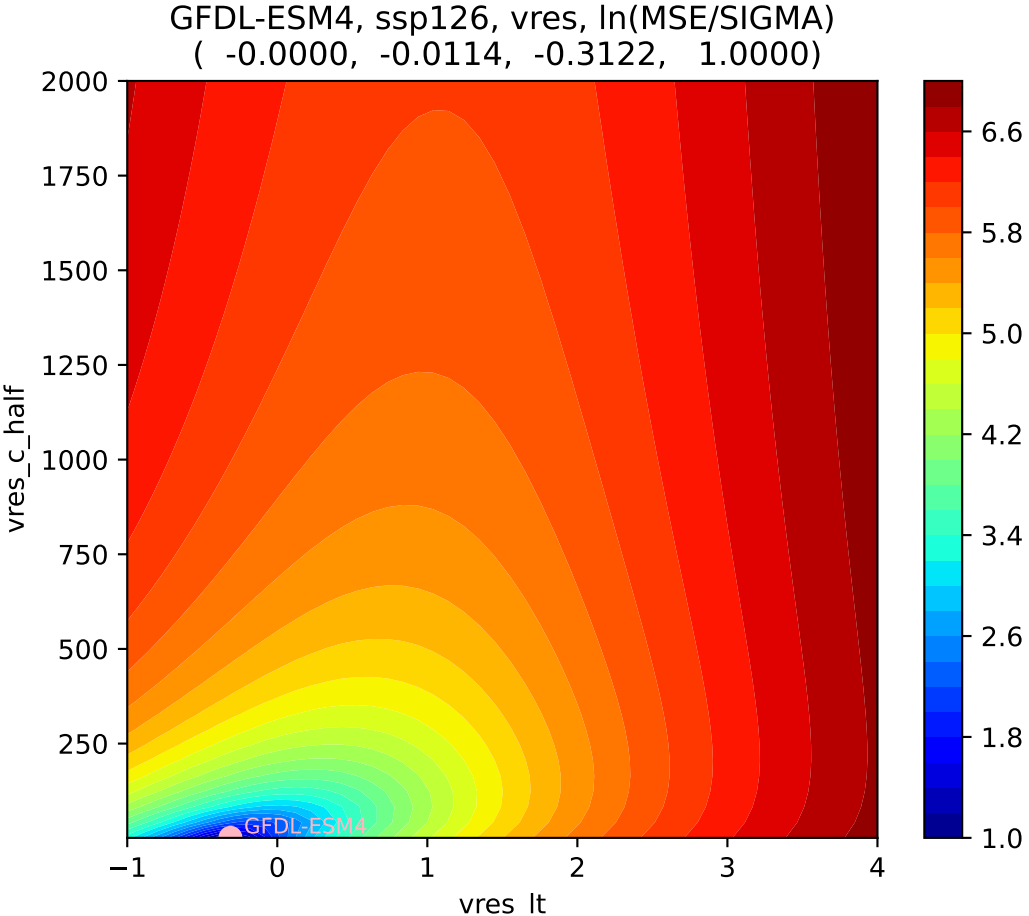

GFDL-ESM4, ssp126, vres
vres
ΔT
ESM
Fit

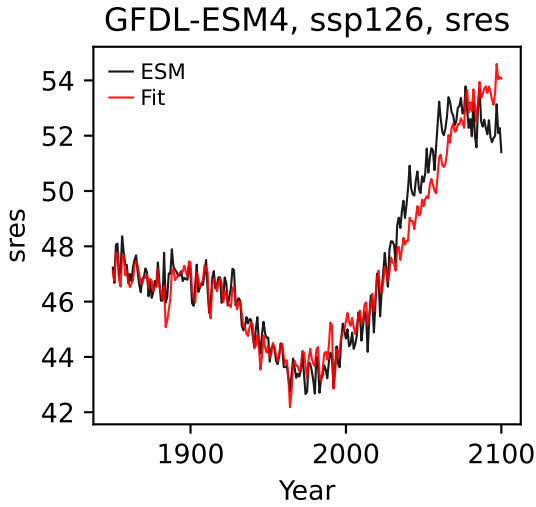

GFDL-ESM4, ssp126, vres
vres, ESM - FIT
ΔT
ESM-Fit

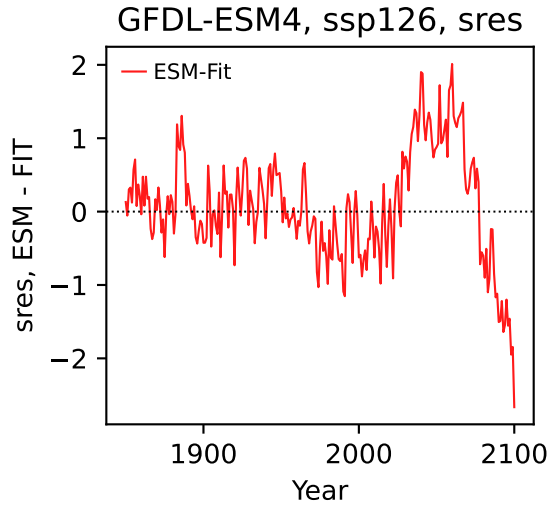

GFDL-ESM4, ssp126, vres
vres
c_atm
ESM
Fit

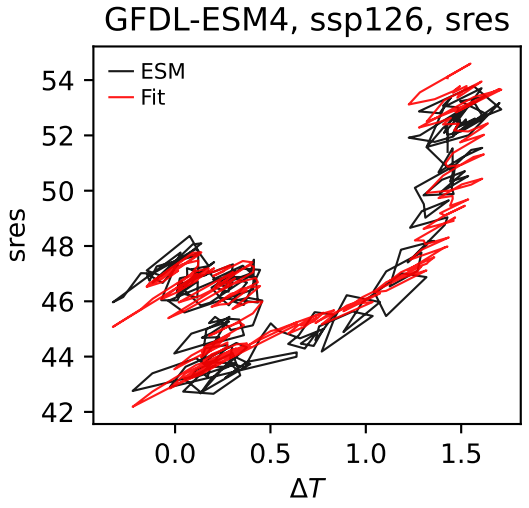

GFDL-ESM4, ssp126, vres
vres, ESM - FIT
c_atm
ESM-Fit

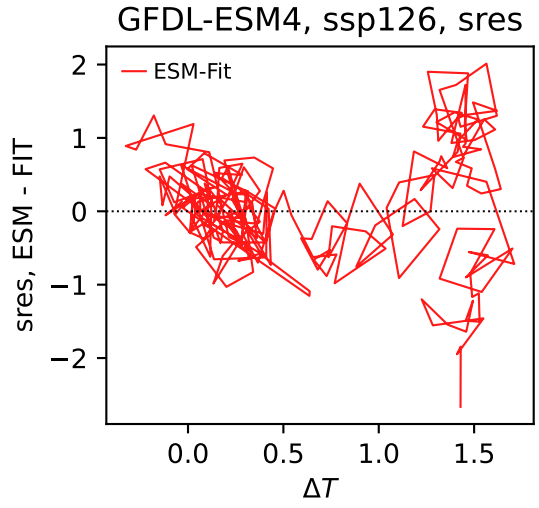

GFDL-ESM4, ssp126, vres, ln(MSE/SIGMA)
( -0.0000, -0.0114, -0.3122, 1.0000)
GFDL-ESM4
vres_ste
vres_sts
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
19.8
17.4
15.0
12.6
10.2
7.8
5.4
3.0
0.6

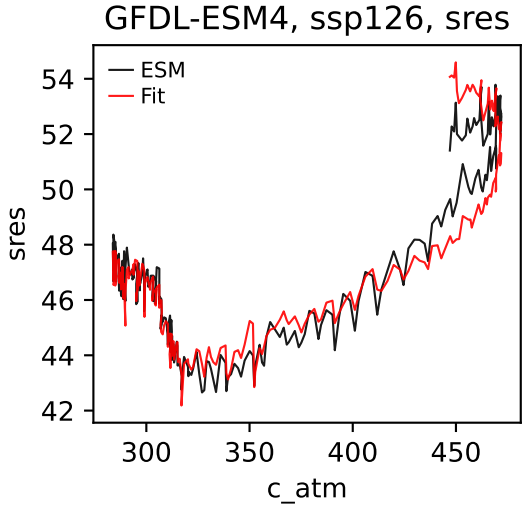

GFDL-ESM4, ssp126, vres, ln(MSE/SIGMA)
( -0.0000, -0.0114, -0.3122, 1.0000)
2000
1750
1500
1250
1000
750
500
250
vres_c_half
GFDL-ESM4
−1
0
1
2
3
4
vres_lt
6.6
5.8
5.0
4.2
3.4
2.6
1.8
1.0

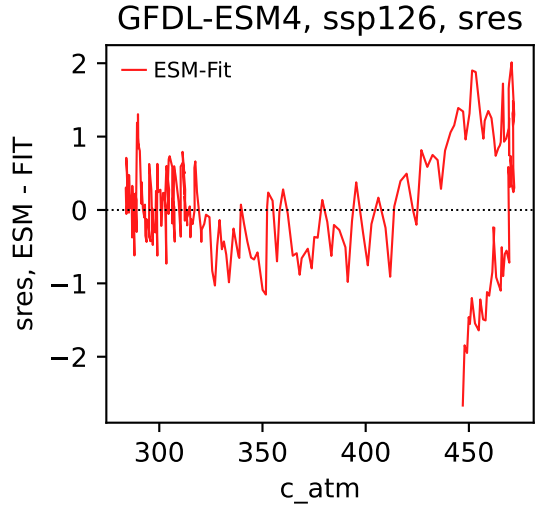

GFDL-ESM4, ssp126, sres
ESM
Fit
sres
Year

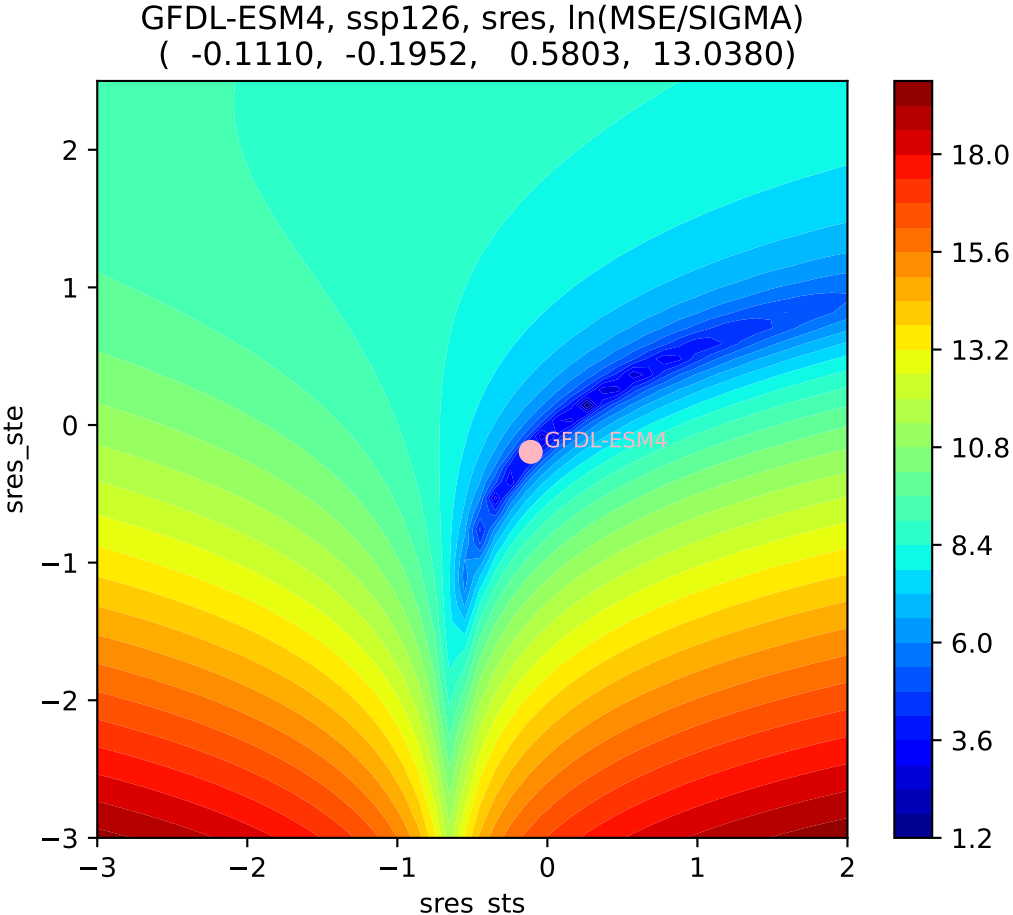

GFDL-ESM4, ssp126, sres
ESM-Fit
sres, ESM - FIT
Year

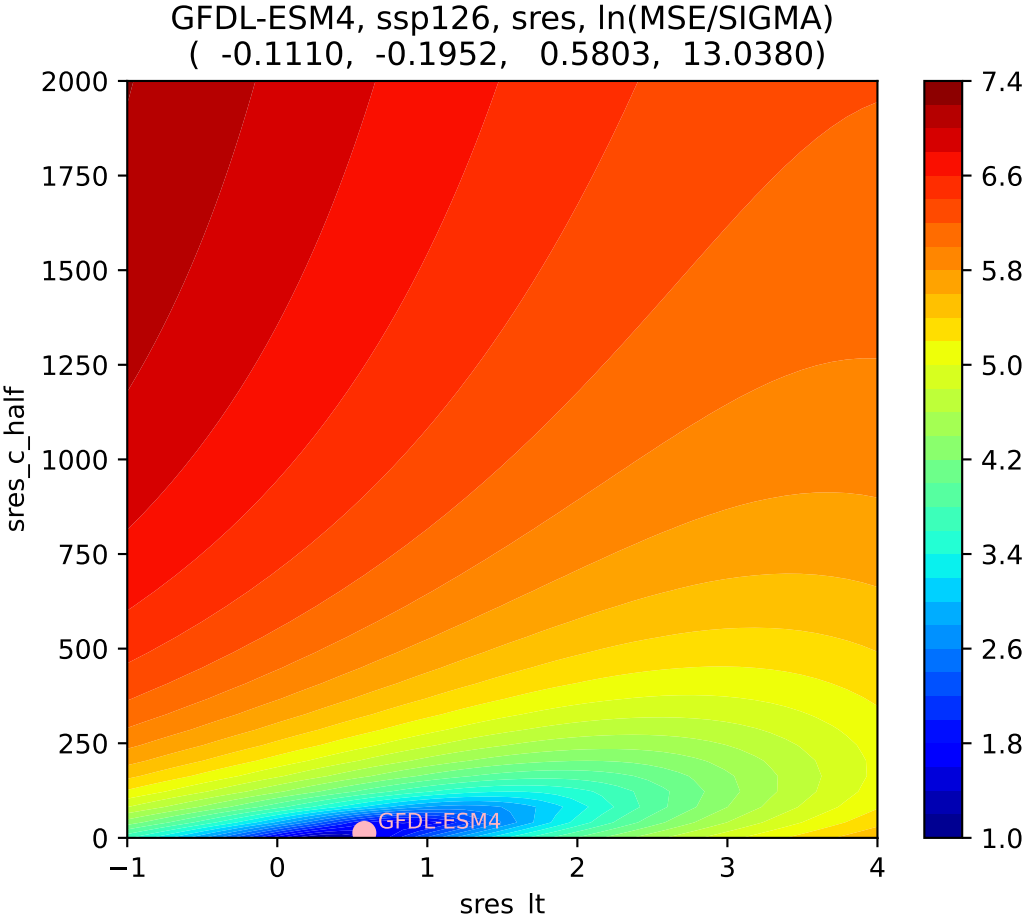

GFDL-ESM4, ssp126, sres
ESM
Fit
sres
ΔT

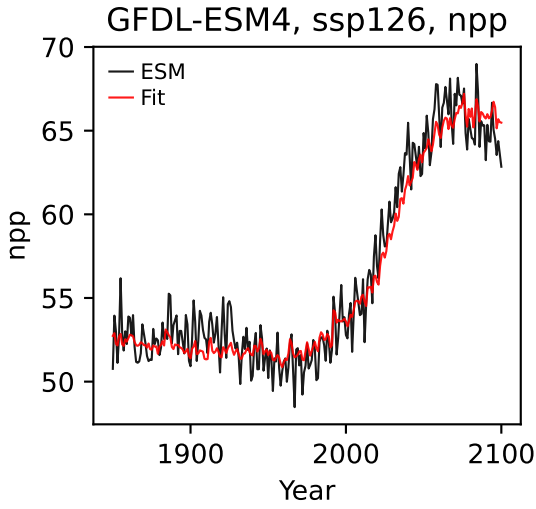

GFDL-ESM4, ssp126, sres
ESM-Fit
sres, ESM - FIT
ΔT

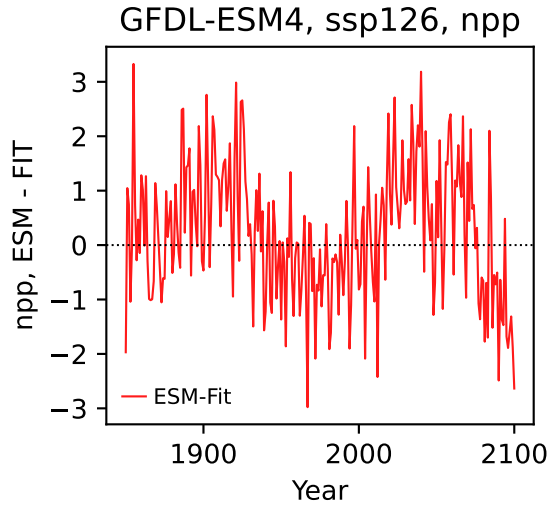

GFDL-ESM4, ssp126, sres
ESM
Fit
sres
c_atm

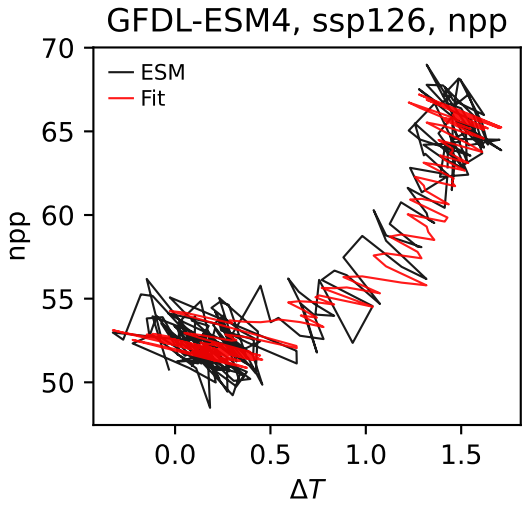

GFDL-ESM4, ssp126, sres
ESM-Fit
sres, ESM - FIT
c_atm

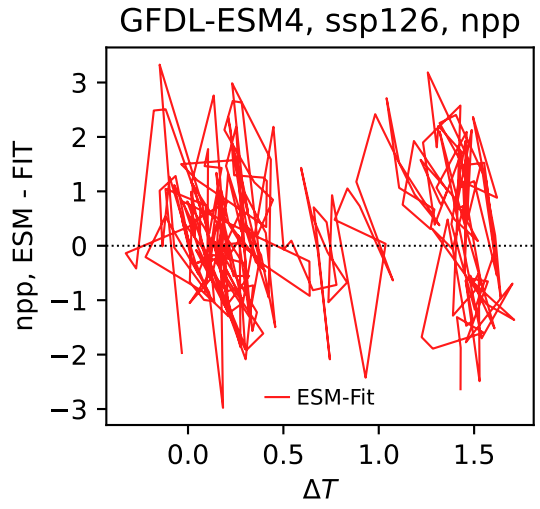

GFDL-ESM4, ssp126, sres, ln(MSE/SIGMA)
( -0.1110, -0.1952, 0.5803, 13.0380)
GFDL-ESM4
sres_ste
sres_sts
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
18.0
15.6
13.2
10.8
8.4
6.0
3.6
1.2

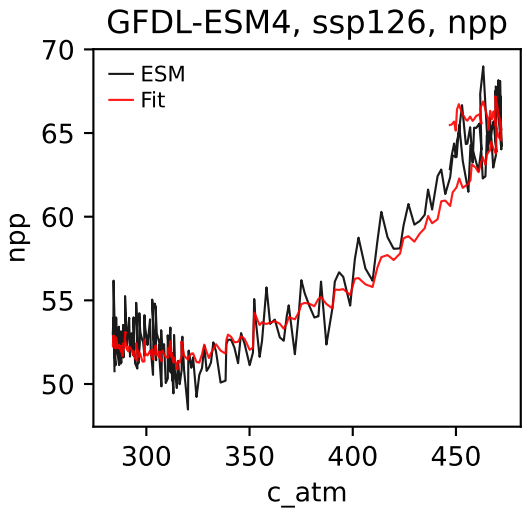

GFDL-ESM4, ssp126, sres, ln(MSE/SIGMA)
( -0.1110, -0.1952, 0.5803, 13.0380)
2000
1750
1500
1250
1000
750
500
250
0
sres_c_half
−1
0
1
2
3
4
sres_lt
GFDL-ESM4
7.4
6.6
5.8
5.0
4.2
3.4
2.6
1.8
1.0

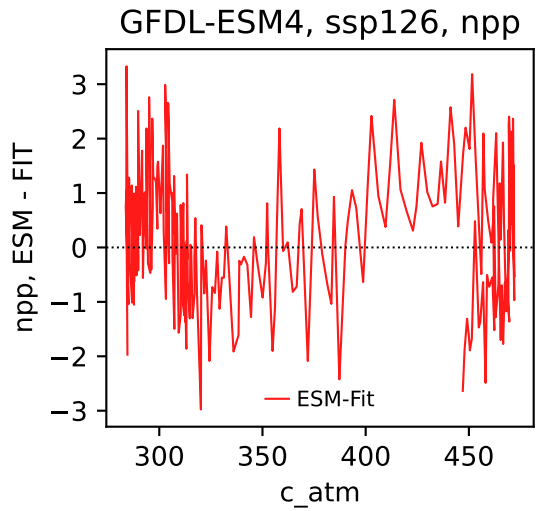

GFDL-ESM4, ssp126, npp
ESM
Fit
npp
Year

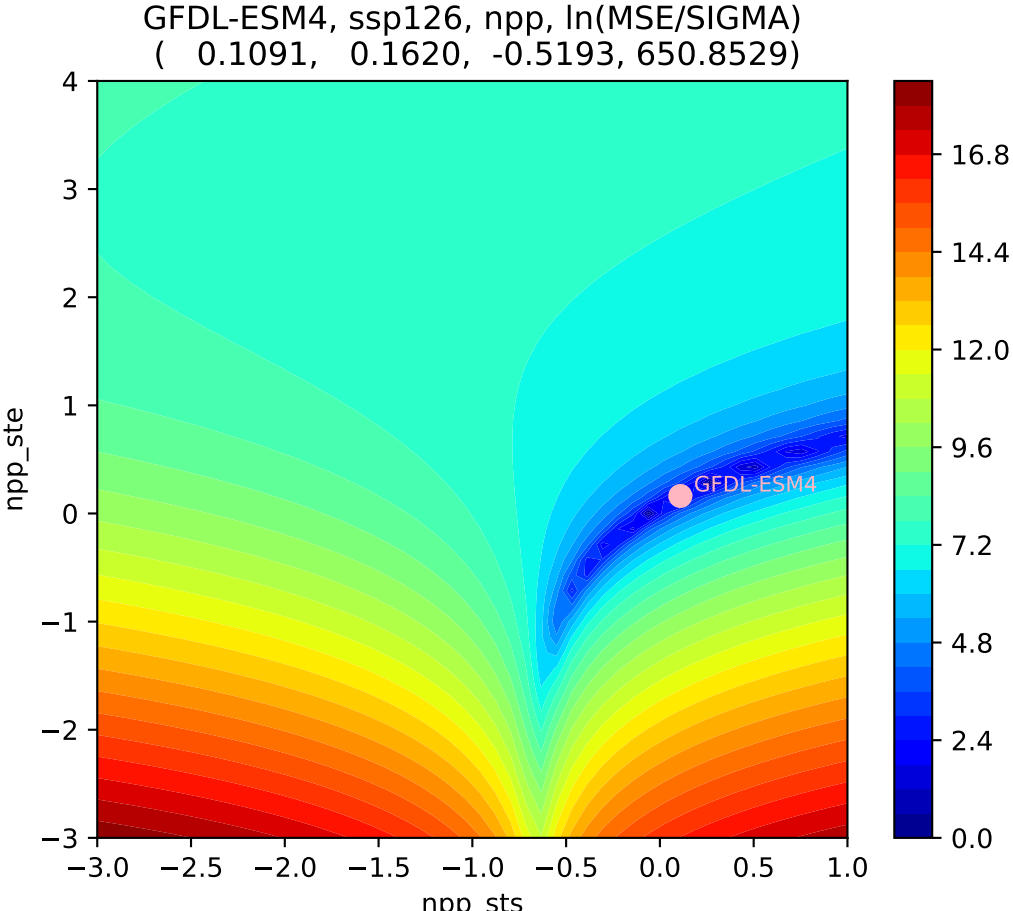

GFDL-ESM4, ssp126, npp
npp, ESM - FIT
ESM-Fit
Year

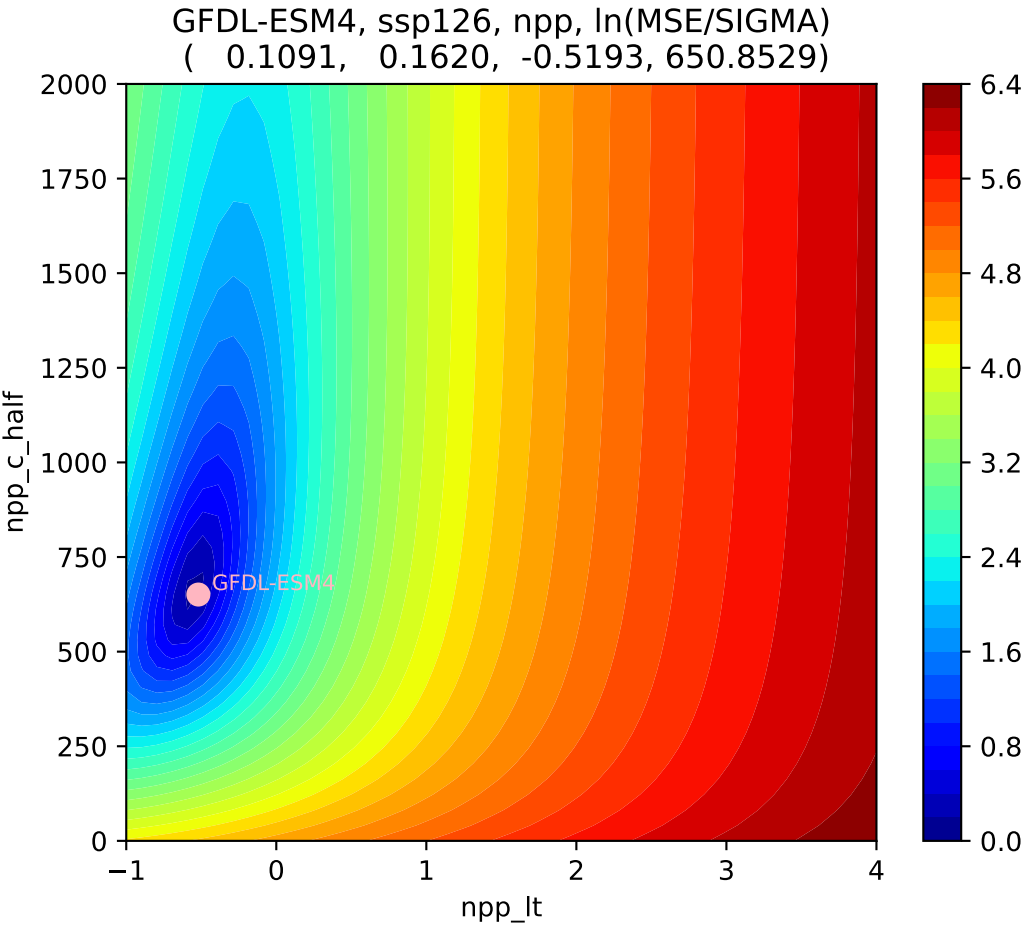

GFDL-ESM4, ssp126, npp
ESM
Fit
npp
ΔT

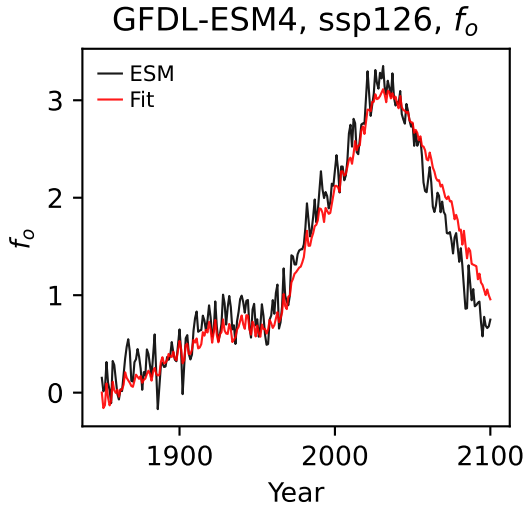

GFDL-ESM4, ssp126, npp
npp, ESM - FIT
ESM-Fit
ΔT

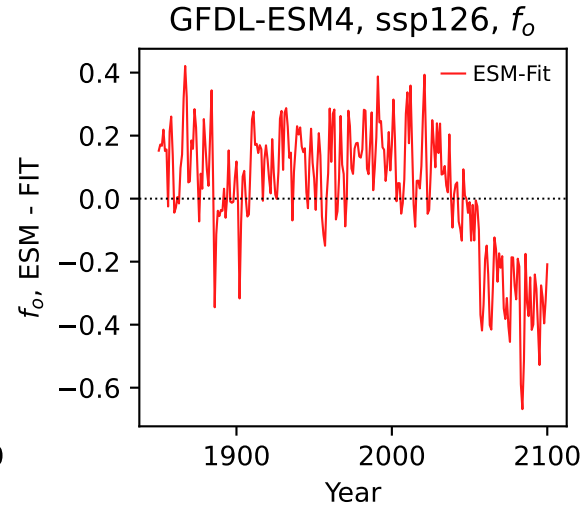

GFDL-ESM4, ssp126, npp
ESM
Fit
npp
c_atm

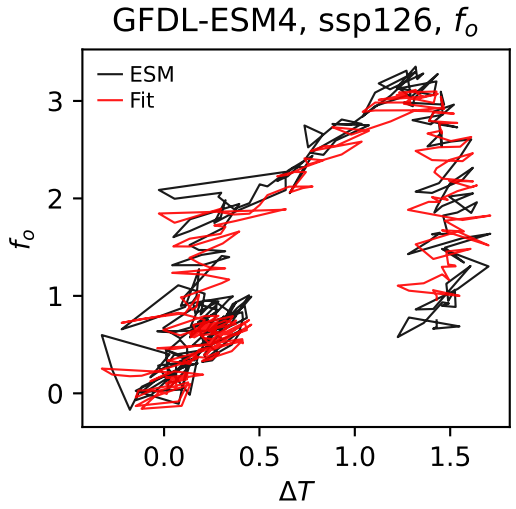

GFDL-ESM4, ssp126, npp
npp, ESM - FIT
ESM-Fit
c_atm

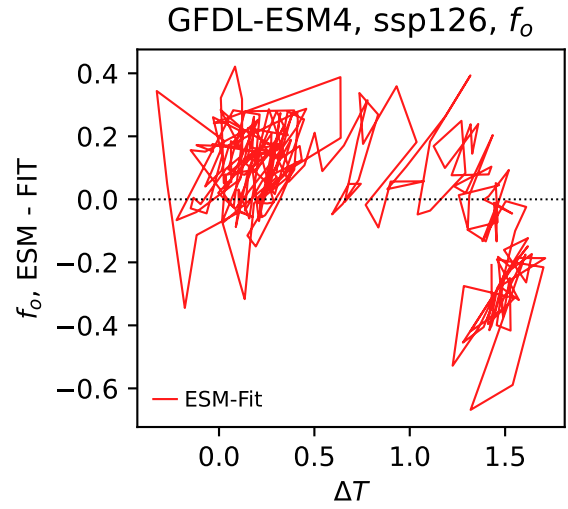

GFDL-ESM4, ssp126, npp, ln(MSE/SIGMA)
( 0.1091, 0.1620, -0.5193, 650.8529)
GFDL-ESM4
npp_ste
npp_sts
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
16.8
14.4
12.0
9.6
7.2
4.8
2.4
0.0

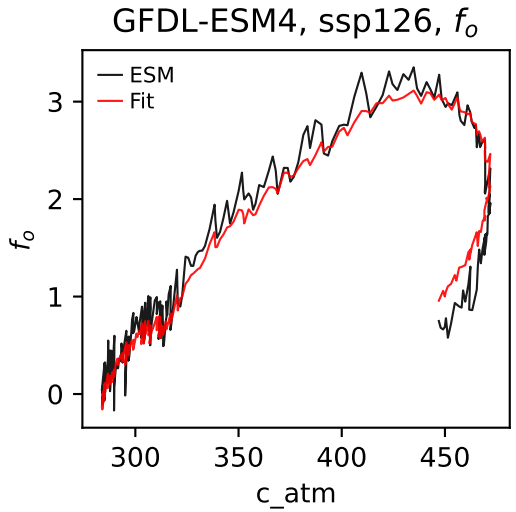

GFDL-ESM4, ssp126, npp, ln(MSE/SIGMA)
( 0.1091, 0.1620, -0.5193, 650.8529)
GFDL-ESM4
npp_c_half
npp_lt
2000
1750
1500
1250
1000
750
500
250
0
−1
0
1
2
3
4
6.4
5.6
4.8
4.0
3.2
2.4
1.6
0.8
0.0

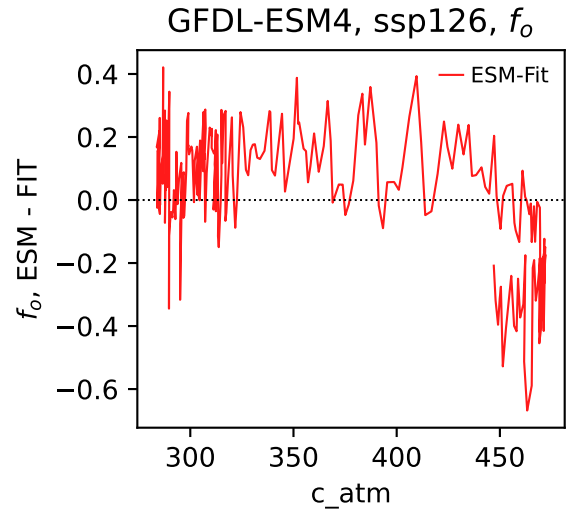

GFDL-ESM4, ssp126, $f_o$
ESM
Fit
$f_o$
Year

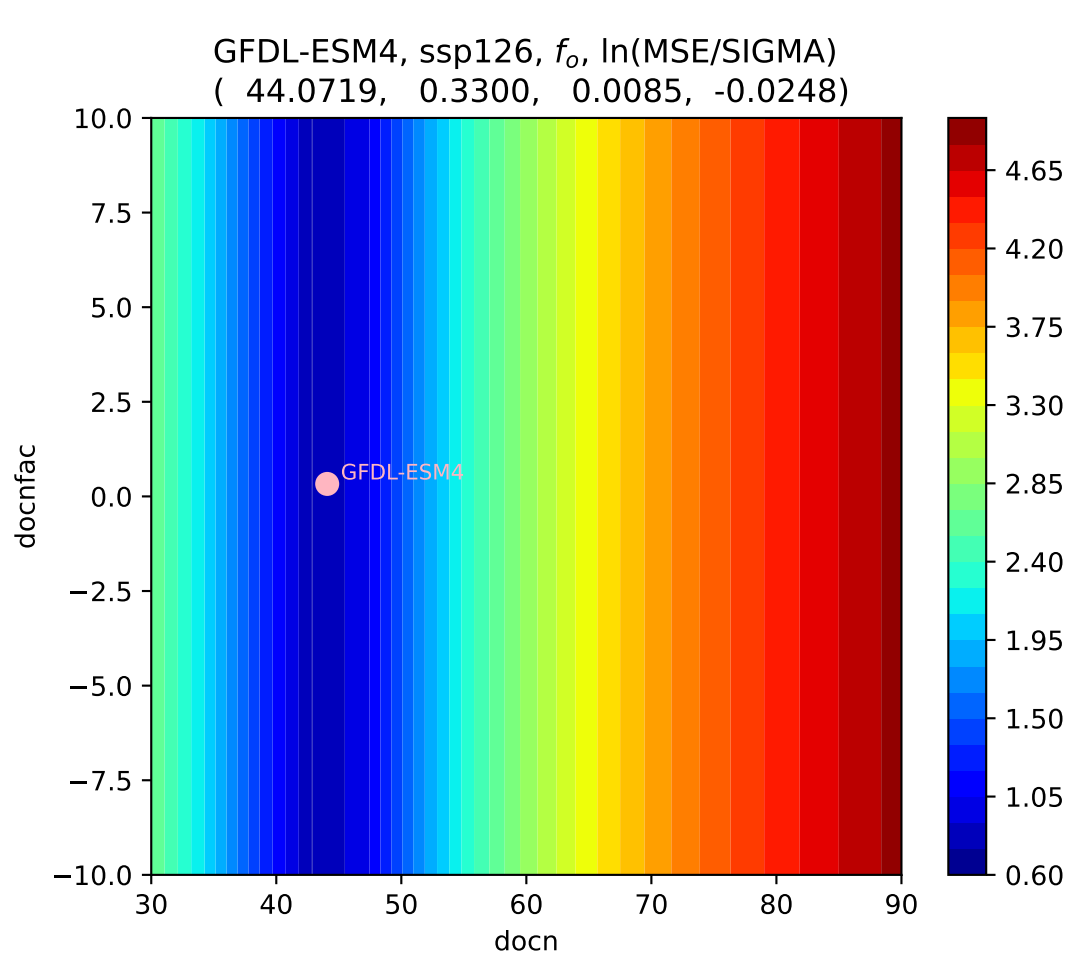

GFDL-ESM4, ssp126, $f_o$
ESM-Fit
$f_o$, ESM - FIT
Year

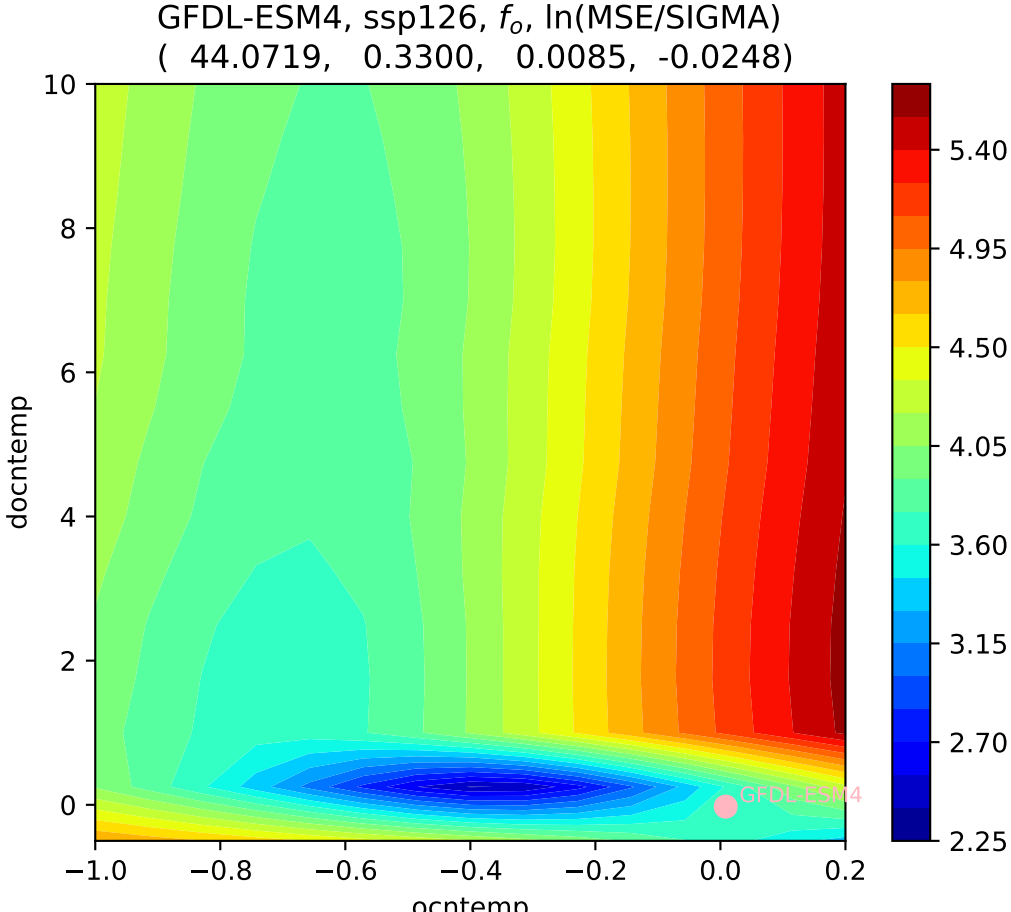

GFDL-ESM4, ssp126, $f_o$
ESM
Fit
$f_o$
$\Delta T$


GFDL-ESM4, ssp126, $f_o$
ESM-Fit
$f_o$, ESM - FIT
$\Delta T$


GFDL-ESM4, ssp126, $f_o$
ESM
Fit
$f_o$
c_atm


GFDL-ESM4, ssp126, $f_o$
ESM-Fit
$f_o$, ESM - FIT
c_atm


GFDL-ESM4, ssp126, $f_o$, ln(MSE/SIGMA)
( 44.0719, 0.3300, 0.0085, -0.0248)
GFDL-ESM4
docnfac
docn
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
30
40
50
60
70
80
90
4.65
4.20
3.75
3.30
2.85
2.40
1.95
1.50
1.05
0.60


GFDL-ESM4, ssp126, $f_o$, ln(MSE/SIGMA)
( 44.0719, 0.3300, 0.0085, -0.0248)
10
8
6
4
2
0
docntemp
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
ocntemp
GFDL-ESM4
5.40
4.95
4.50
4.05
3.60
3.15
2.70
2.25