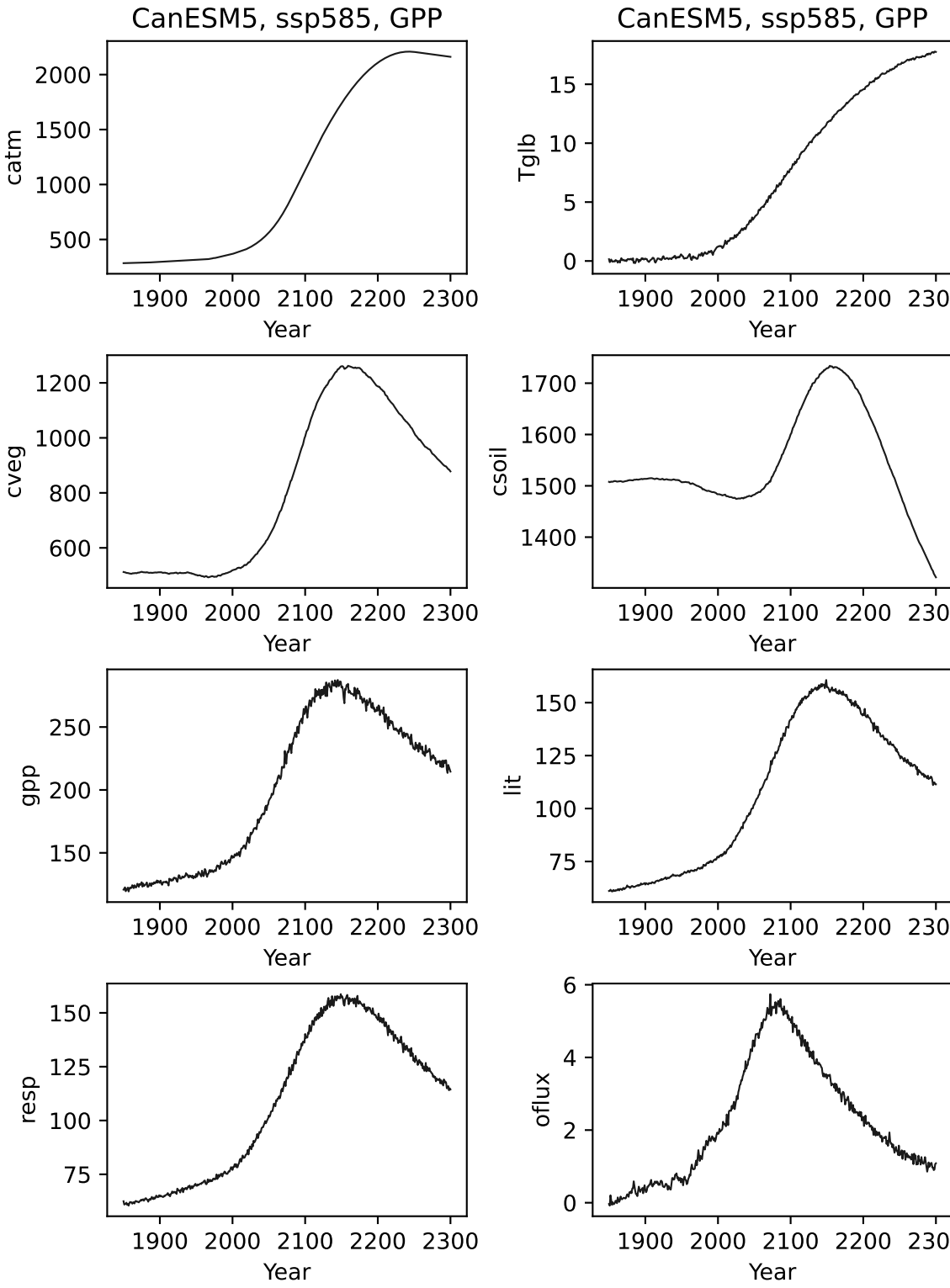
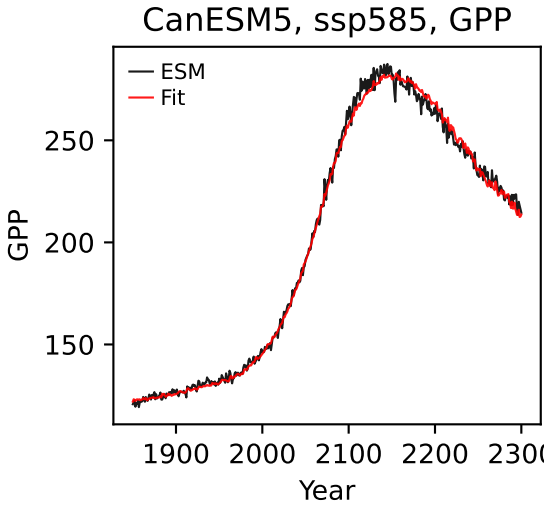
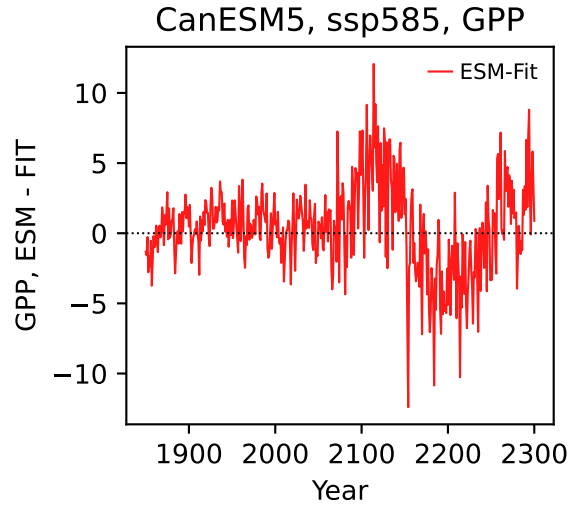
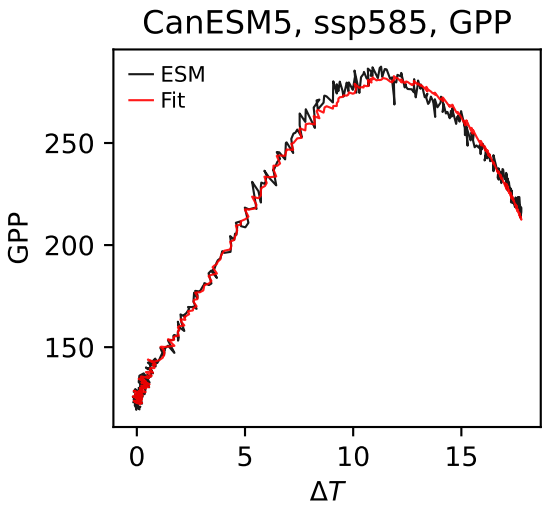
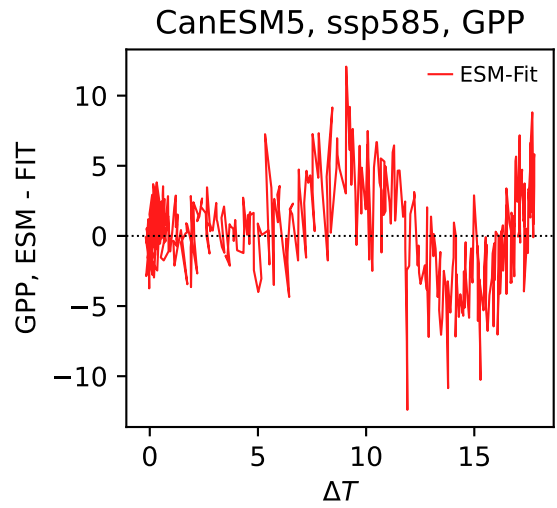
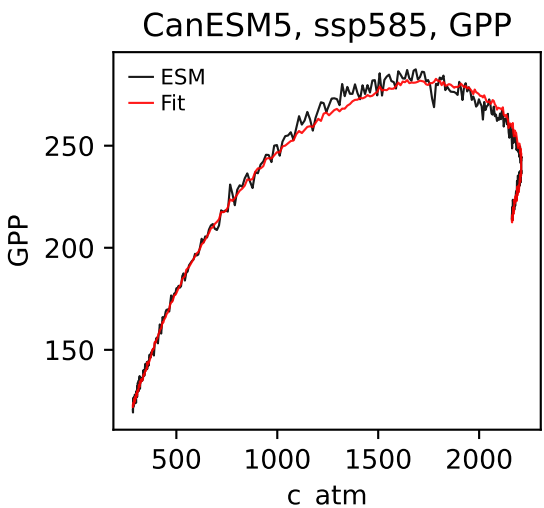

CanESM5, ssp585, GPP
catm
Year
CanESM5, ssp585, GPP
Tglb
Year
cveg
Year
csoil
Year
gpp
Year
lit
Year
resp
Year
oflux
Year

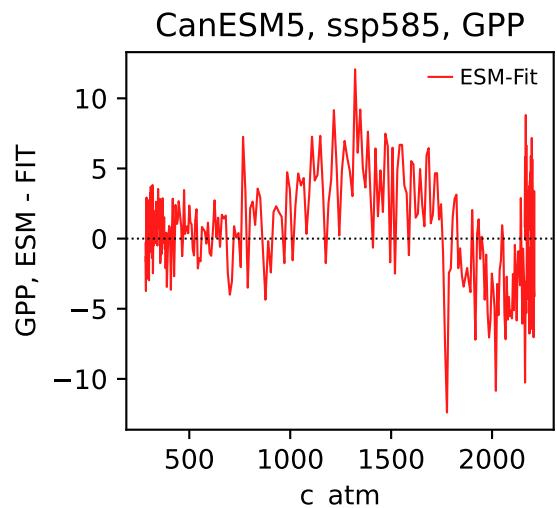

CanESM5, ssp585, GPP
ESM
Fit
GPP
250
200
150
1900
2000
2100
2200
2300
Year

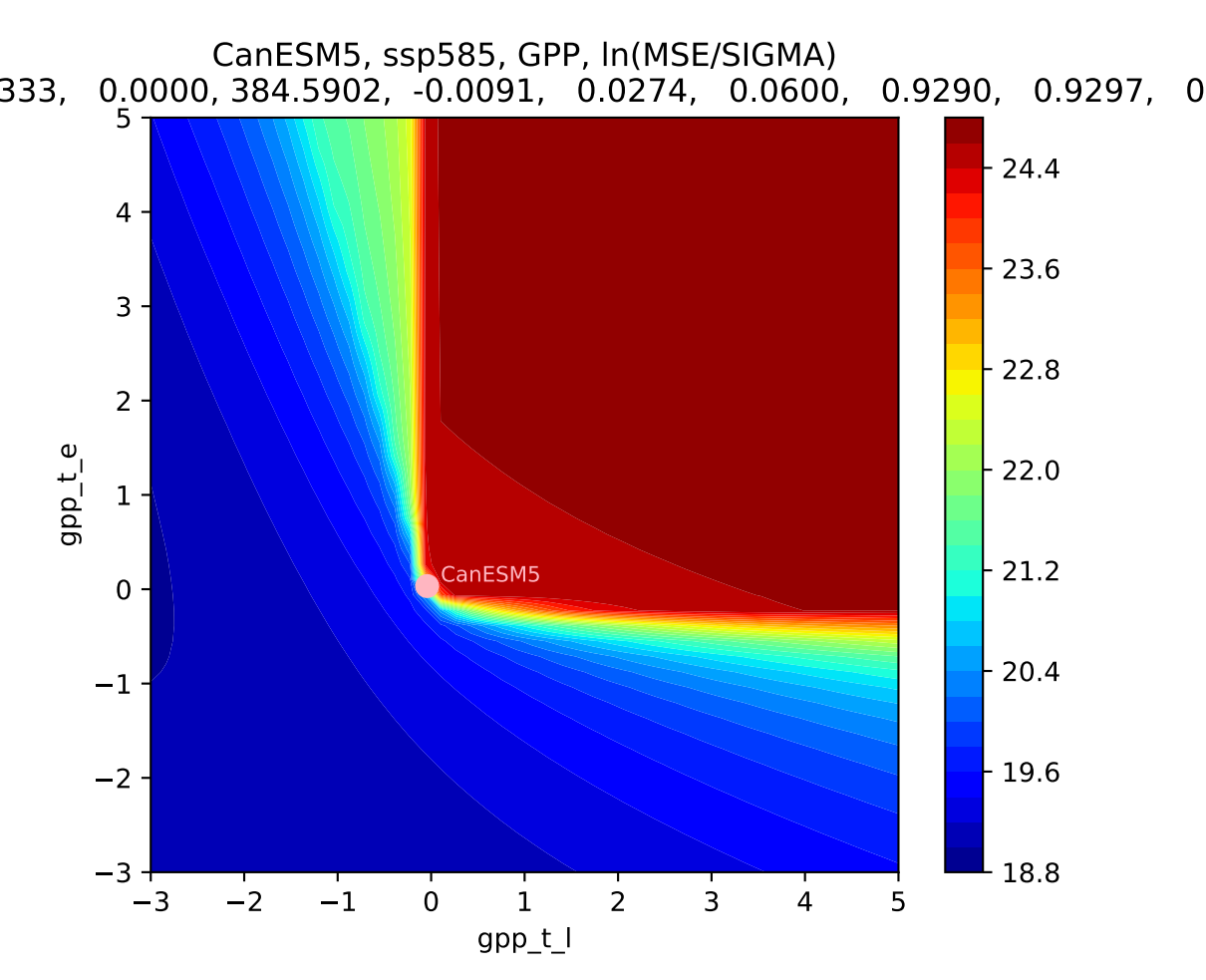

CanESM5, ssp585, GPP
ESM-Fit
GPP, ESM - FIT
10
5
0
−5
−10
1900
2000
2100
2200
2300
Year

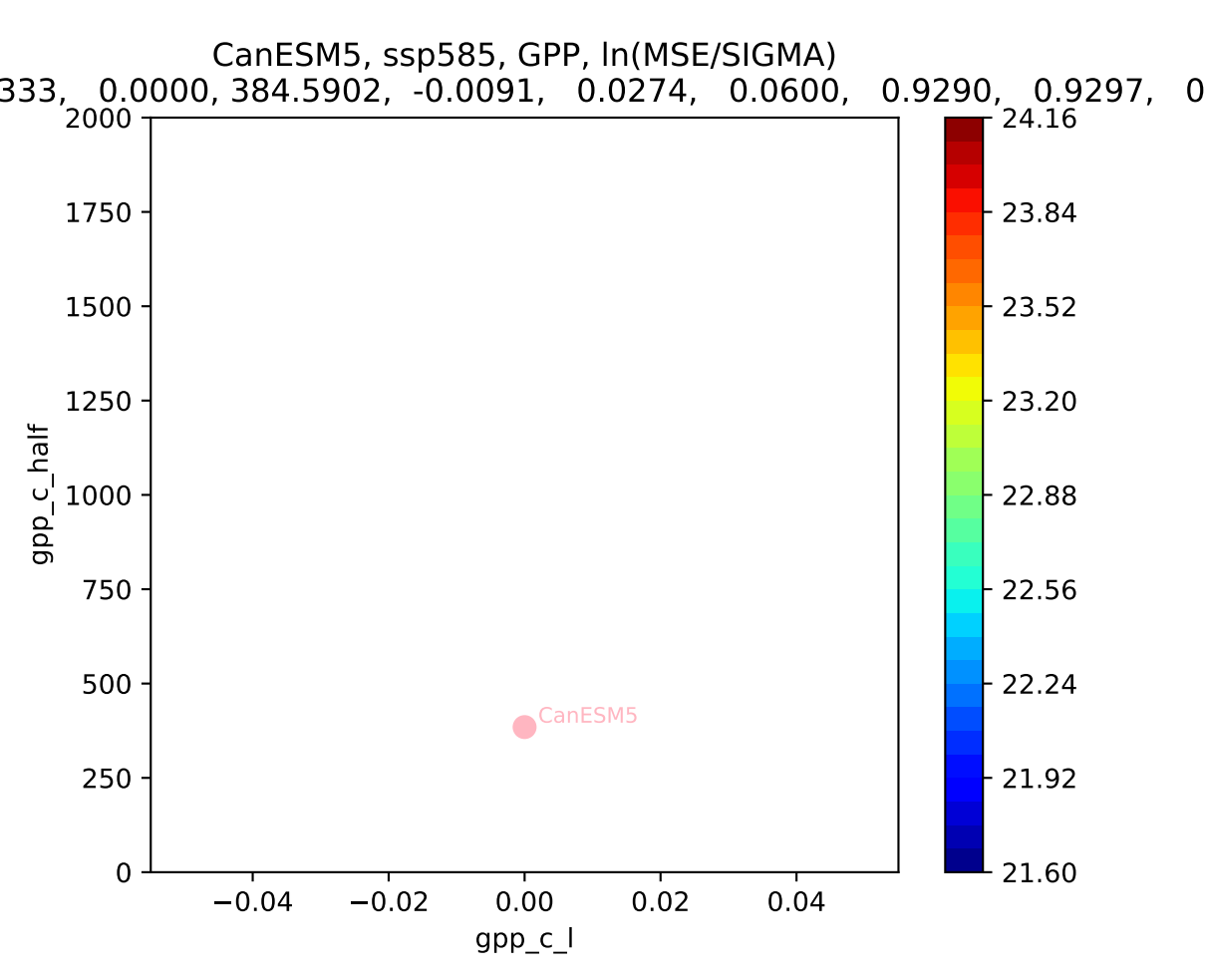

CanESM5, ssp585, GPP
ESM
Fit
GPP
250
200
150
0
5
10
15
ΔT

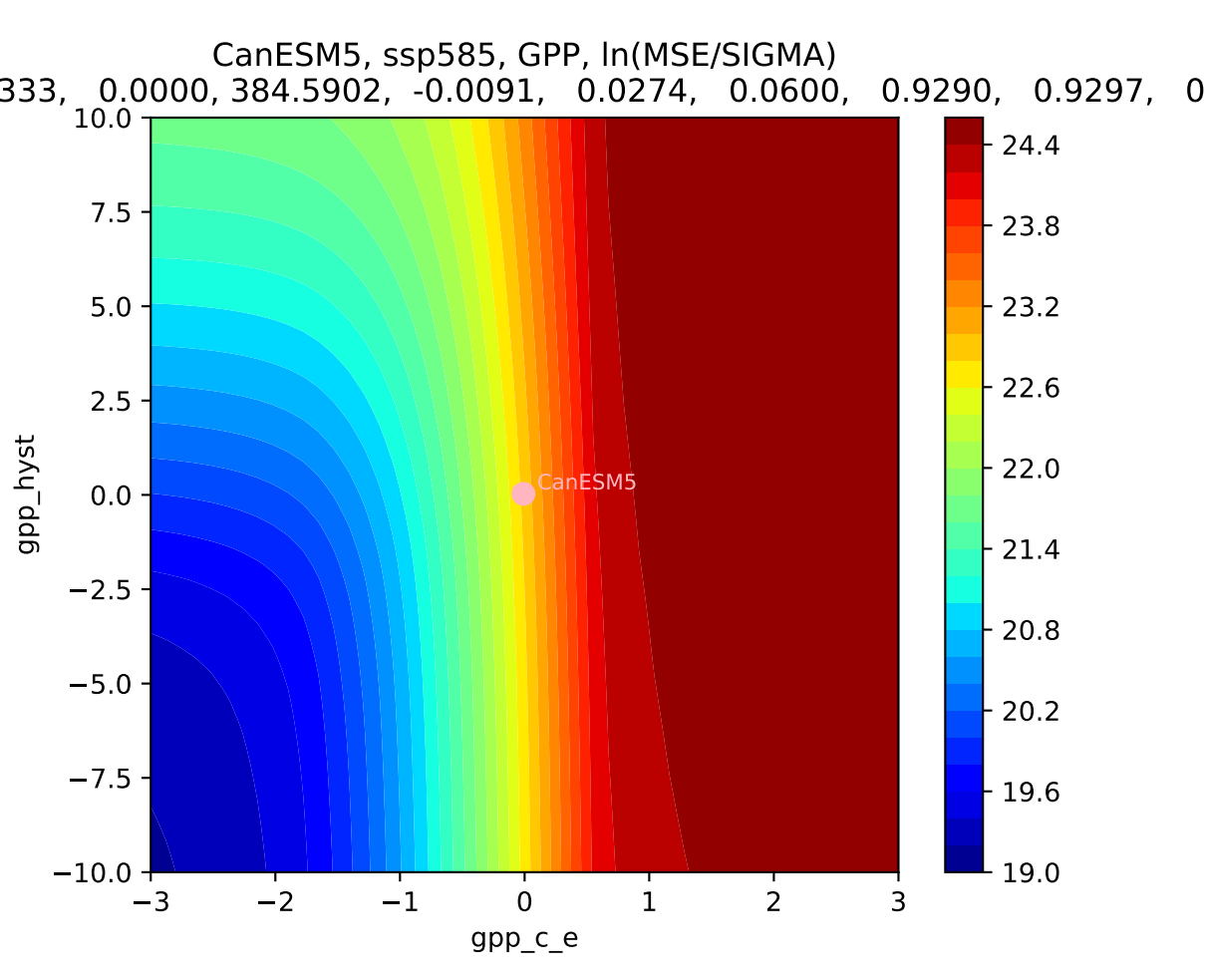

CanESM5, ssp585, GPP
ESM-Fit
GPP, ESM - FIT
10
5
0
−5
−10
0
5
10
15
ΔT

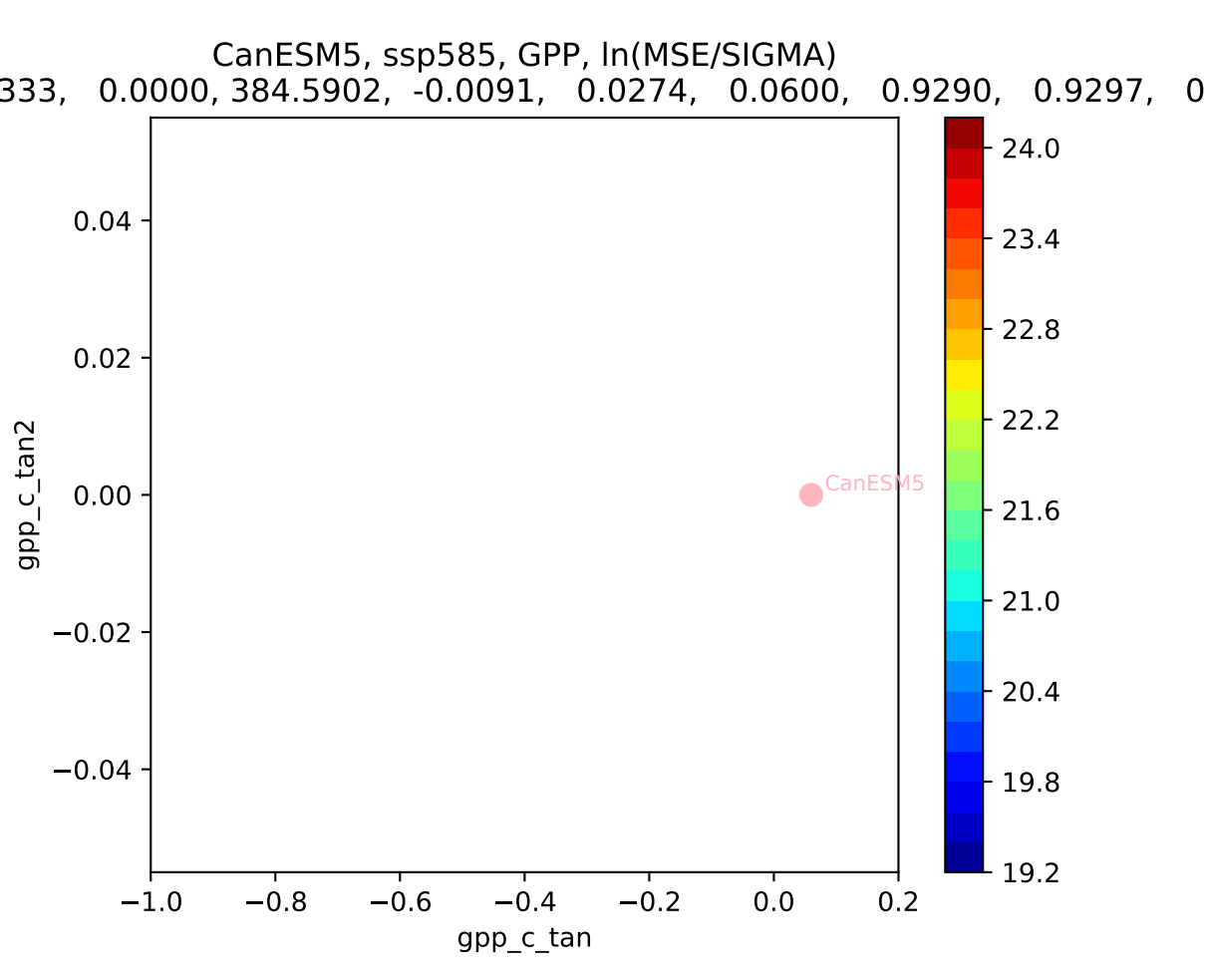

CanESM5, ssp585, GPP
ESM
Fit
GPP
250
200
150
500
1000
1500
2000
c_atm

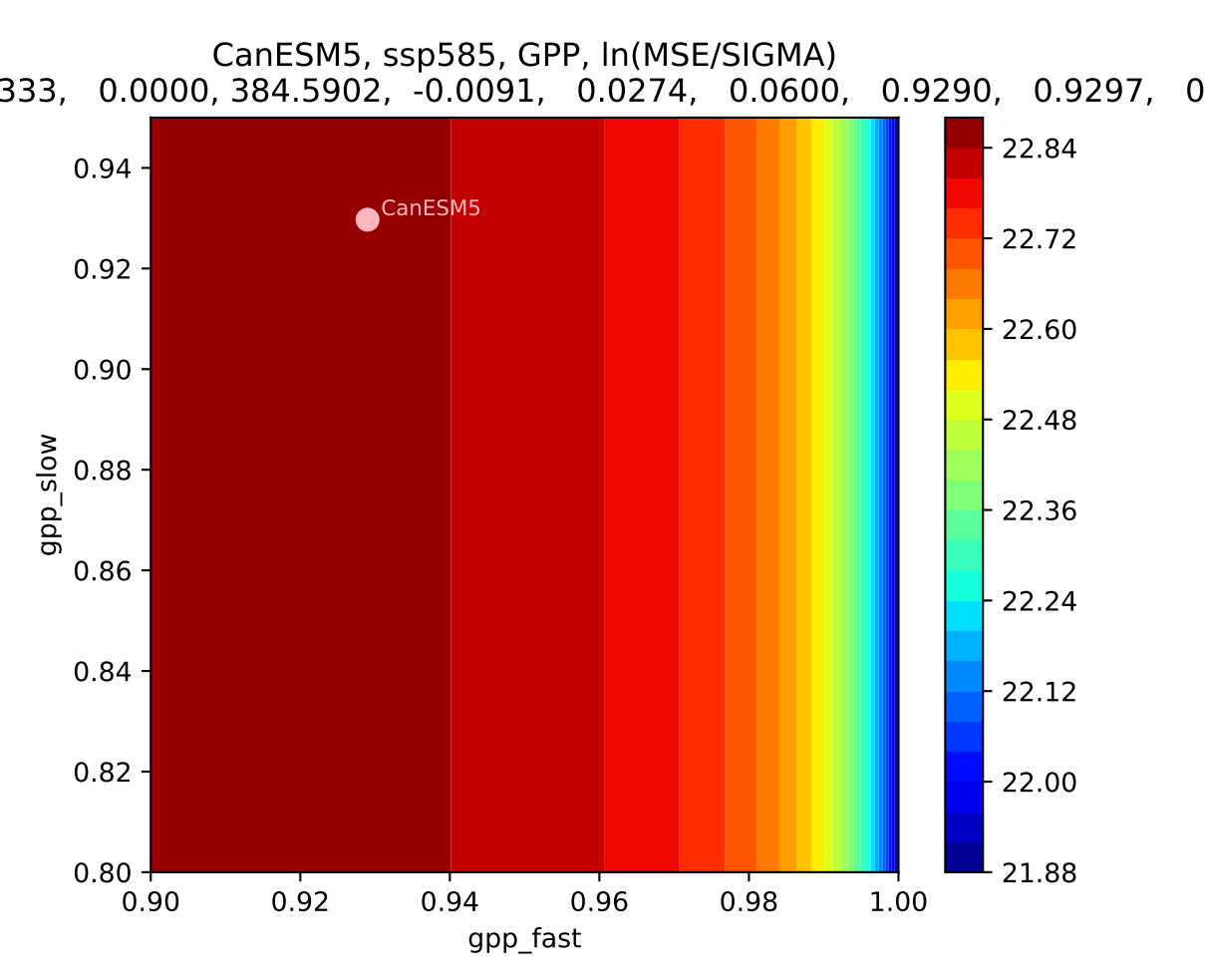

CanESM5, ssp585, GPP
ESM-Fit
GPP, ESM - FIT
10
5
0
−5
−10
500
1000
1500
2000
c_atm

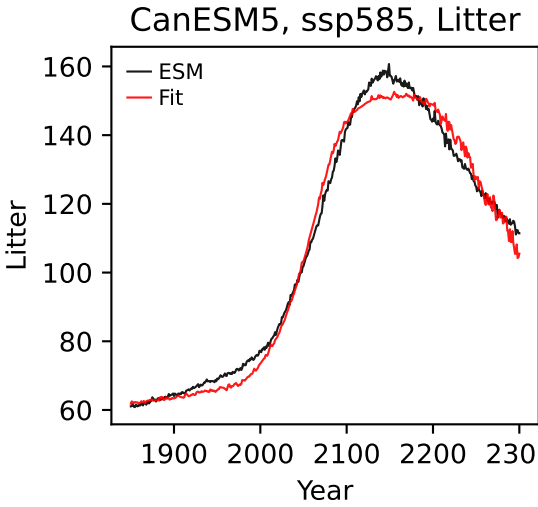

CanESM5, ssp585, GPP, ln(MSE/SIGMA)
333, 0.0000, 384.5902, -0.0091, 0.0274, 0.0600, 0.9290, 0.9297, 0
CanESM5
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
24.4
23.6
22.8
22.0
21.2
20.4
19.6
18.8

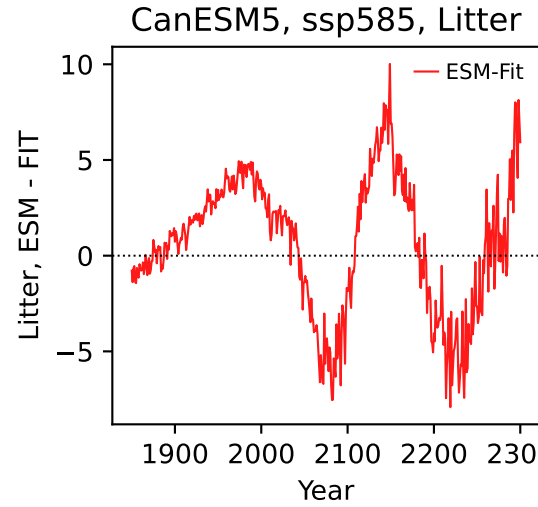

CanESM5, ssp585, GPP, ln(MSE/SIGMA)
333, 0.0000, 384.5902, -0.0091, 0.0274, 0.0600, 0.9290, 0.9297, 0
2000
1750
1500
1250
1000
750
500
250
0
gpp_c_half
CanESM5
−0.04
−0.02
0.00
0.02
0.04
gpp_c_l
24.16
23.84
23.52
23.20
22.88
22.56
22.24
21.92
21.60

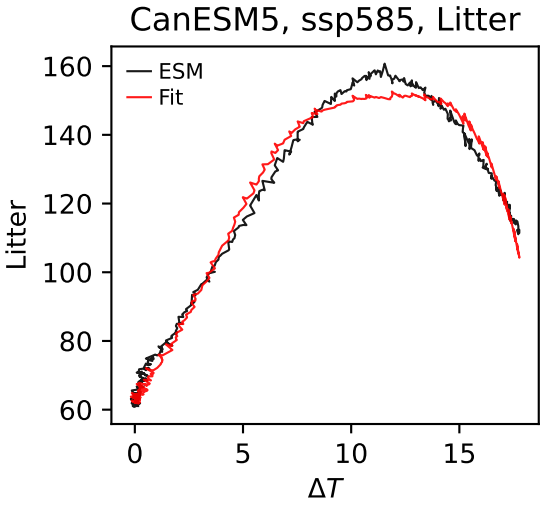

CanESM5, ssp585, GPP, ln(MSE/SIGMA)
333, 0.0000, 384.5902, -0.0091, 0.0274, 0.0600, 0.9290, 0.9297, 0
CanESM5
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
24.4
23.8
23.2
22.6
22.0
21.4
20.8
20.2
19.6
19.0

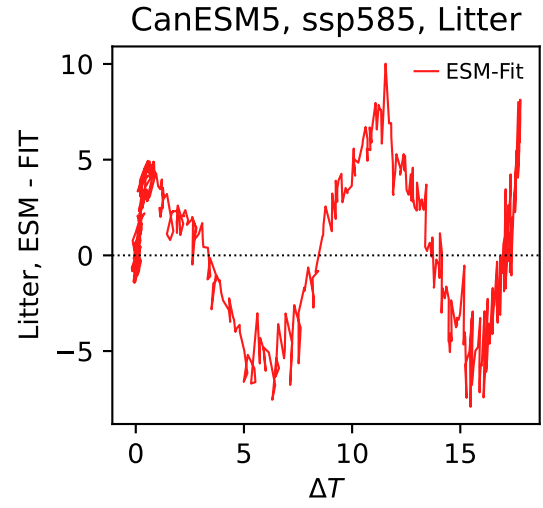

CanESM5, ssp585, GPP, ln(MSE/SIGMA)
333, 0.0000, 384.5902, -0.0091, 0.0274, 0.0600, 0.9290, 0.9297, 0
gpp_c_tan2
gpp_c_tan
CanESM5
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
24.0
23.4
22.8
22.2
21.6
21.0
20.4
19.8
19.2

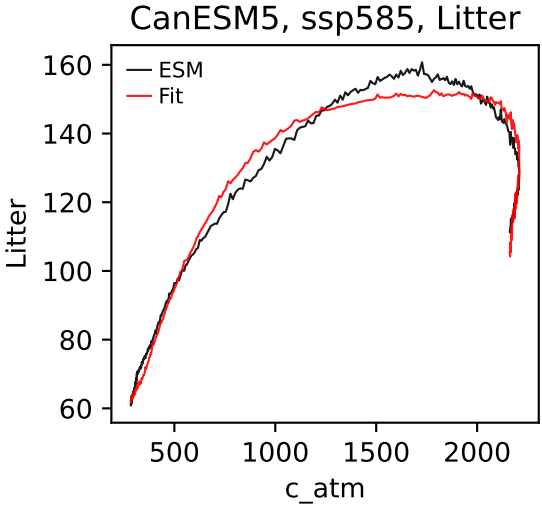

CanESM5, ssp585, GPP, ln(MSE/SIGMA)
333, 0.0000, 384.5902, -0.0091, 0.0274, 0.0600, 0.9290, 0.9297, 0
CanESM5
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
gpp_slow
0.90
0.92
0.94
0.96
0.98
1.00
gpp_fast
22.84
22.72
22.60
22.48
22.36
22.24
22.12
22.00
21.88

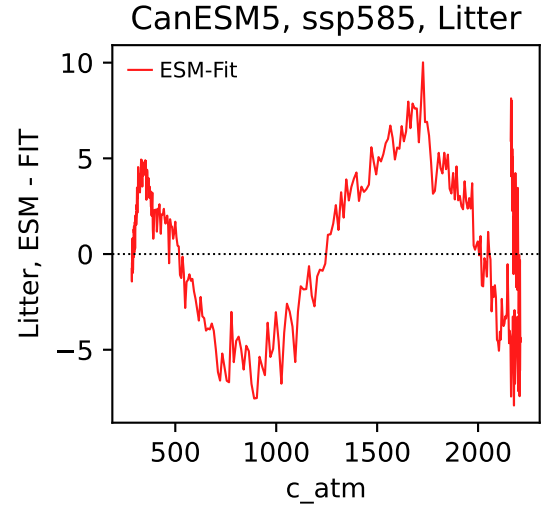

CanESM5, ssp585, Litter
ESM
Fit
Litter
Year

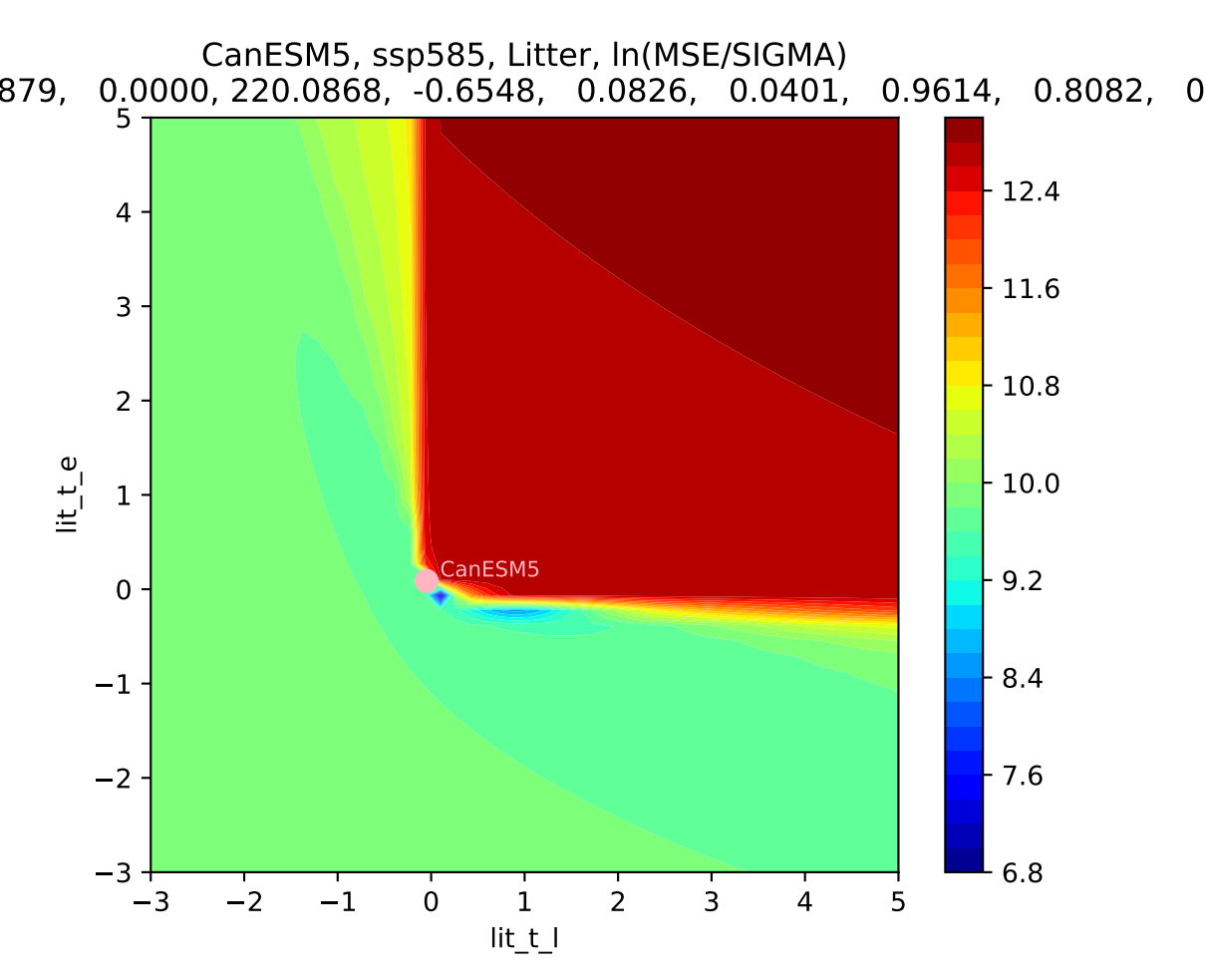

CanESM5, ssp585, Litter
ESM-Fit
Litter, ESM - FIT
Year

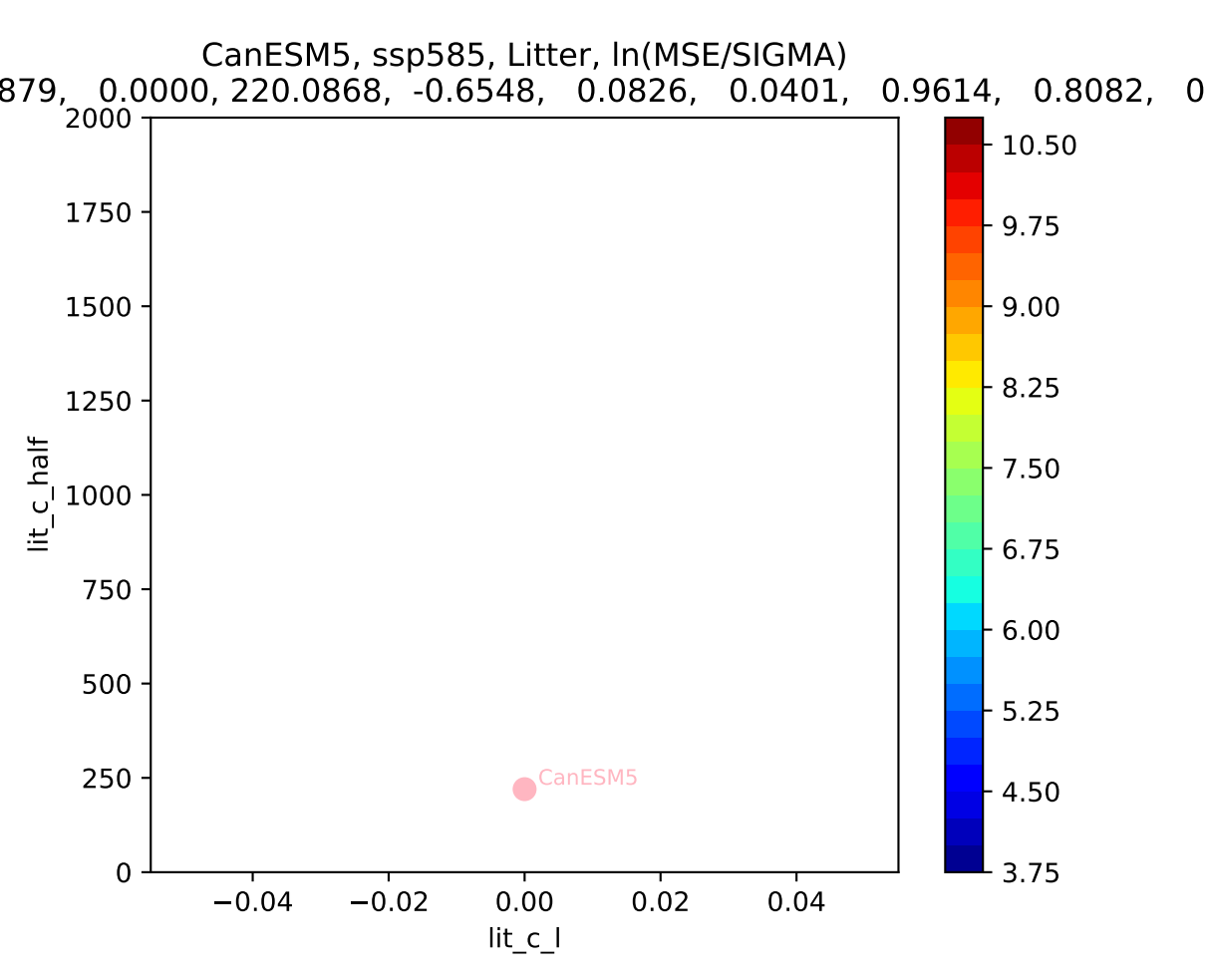

CanESM5, ssp585, Litter
ESM
Fit
Litter
ΔT

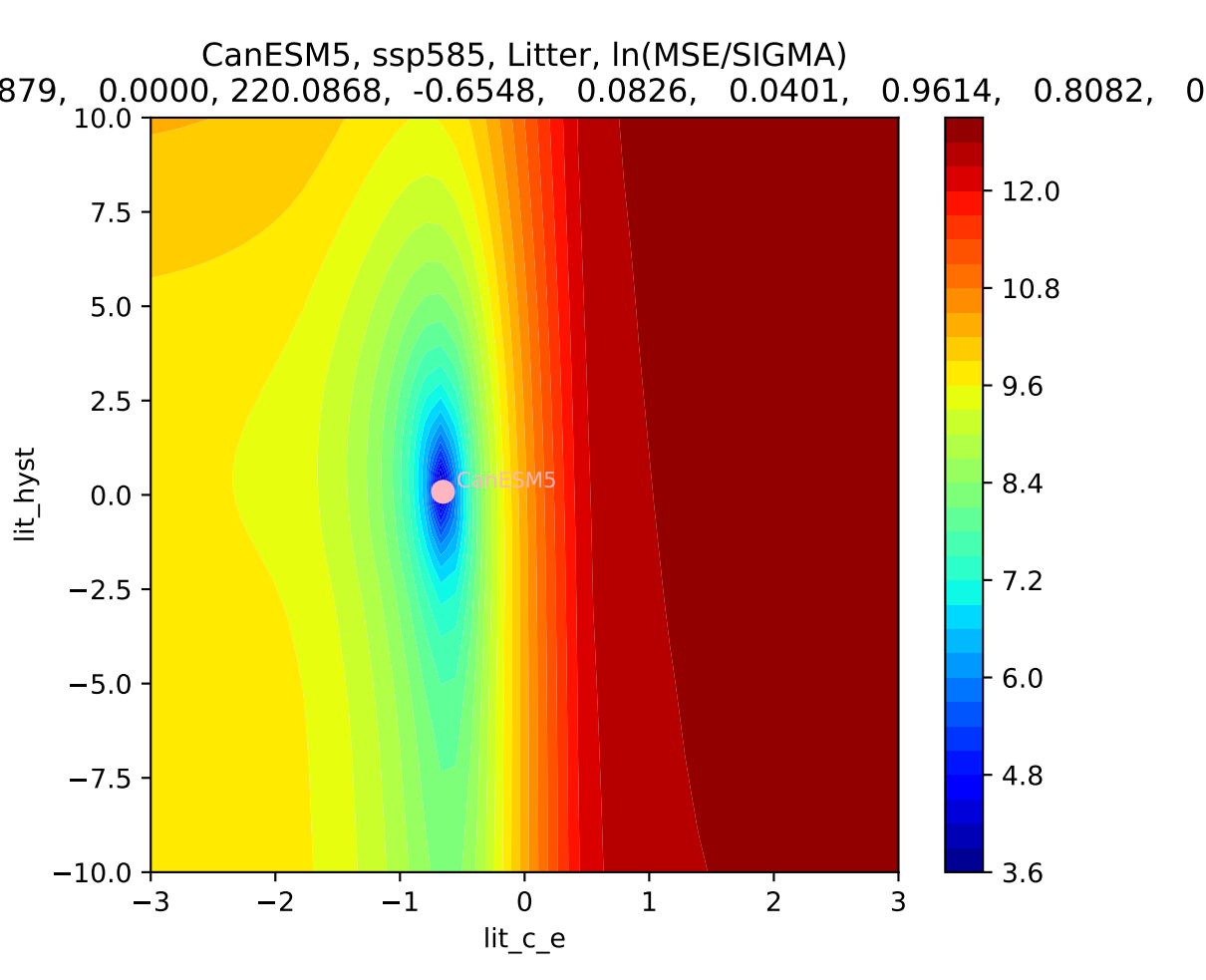

CanESM5, ssp585, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

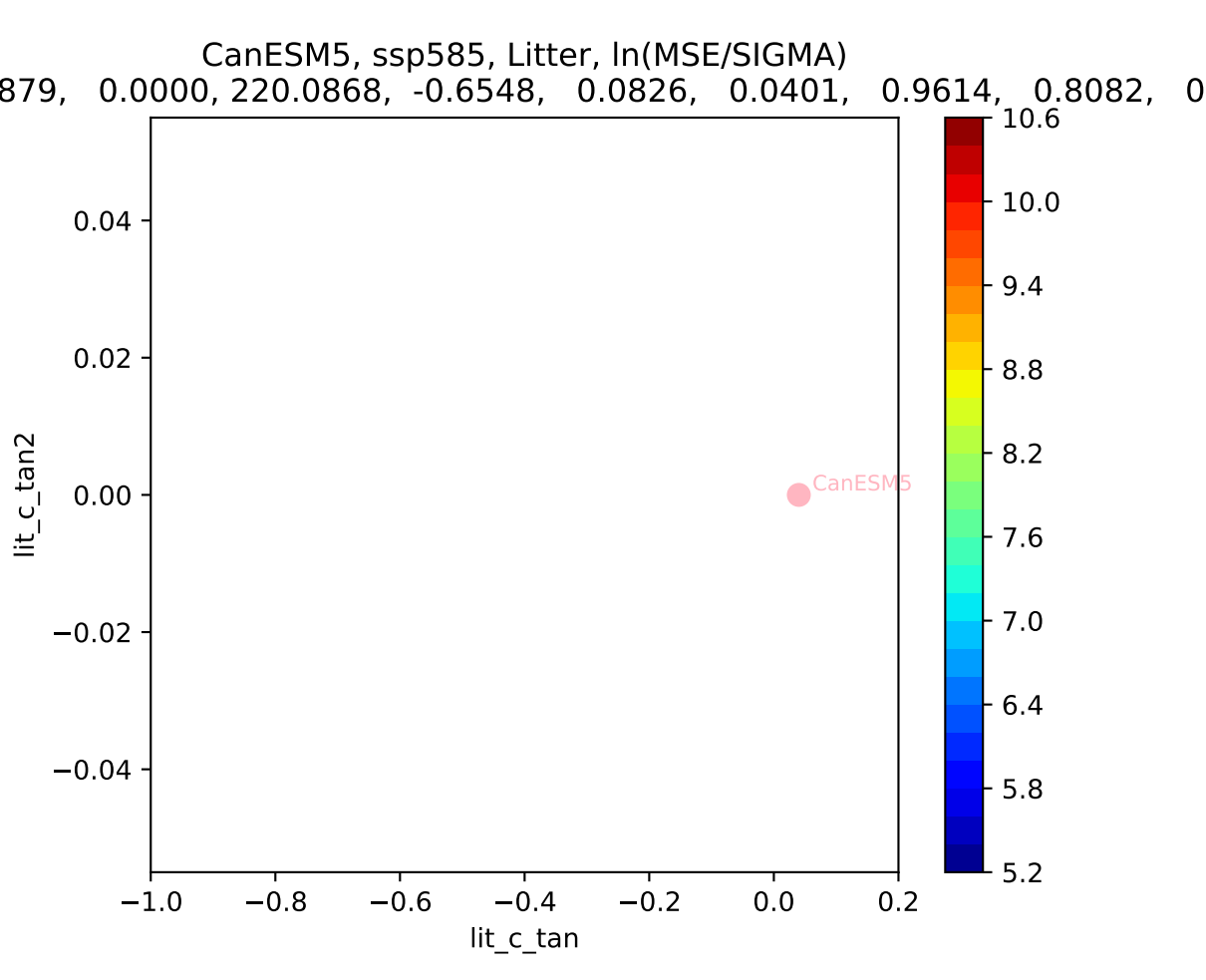

CanESM5, ssp585, Litter
ESM
Fit
Litter
c_atm

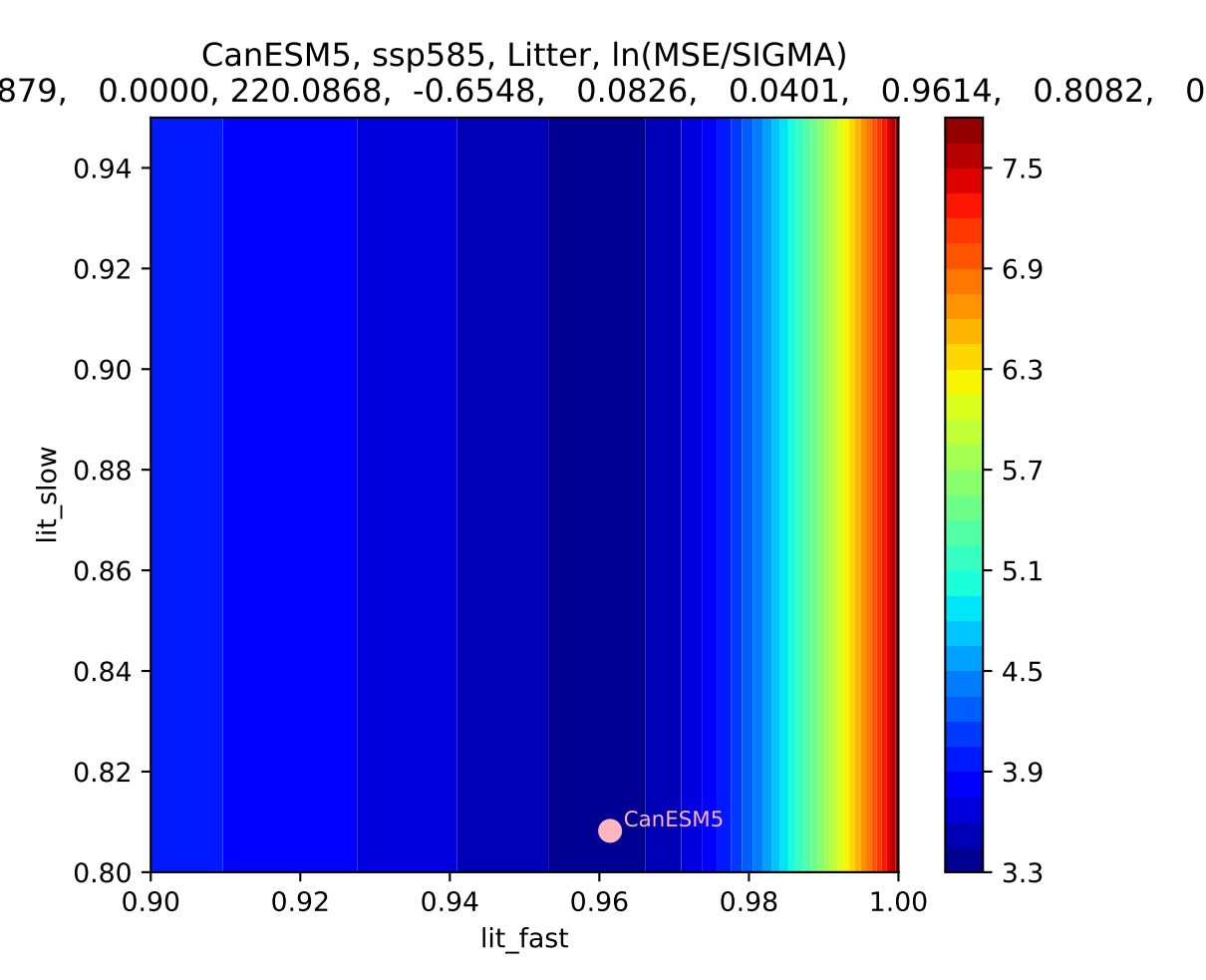

CanESM5, ssp585, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

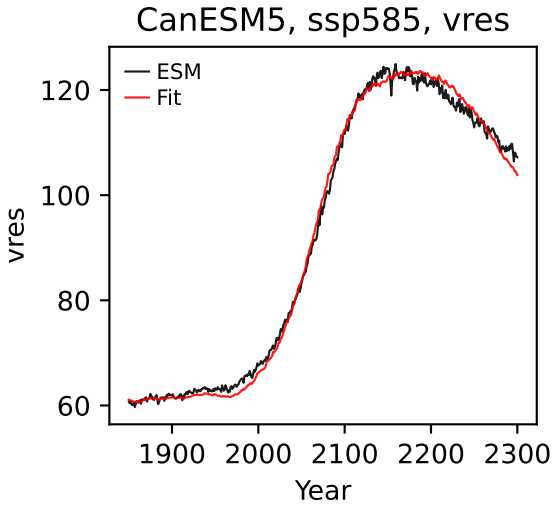

CanESM5, ssp585, Litter, ln(MSE/SIGMA)
879, 0.0000, 220.0868, -0.6548, 0.0826, 0.0401, 0.9614, 0.8082, 0
CanESM5
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
12.4
11.6
10.8
10.0
9.2
8.4
7.6
6.8

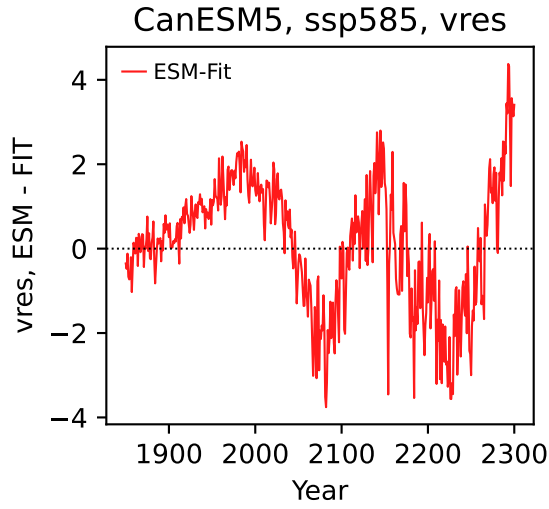

CanESM5, ssp585, Litter, ln(MSE/SIGMA)
879, 0.0000, 220.0868, -0.6548, 0.0826, 0.0401, 0.9614, 0.8082, 0
2000
1750
1500
1250
1000
750
500
250
0
lit_c_half
CanESM5
−0.04
−0.02
0.00
0.02
0.04
lit_c_l
10.50
9.75
9.00
8.25
7.50
6.75
6.00
5.25
4.50
3.75

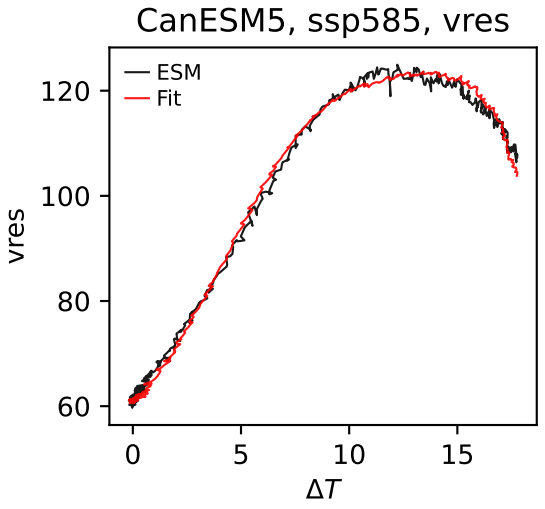

CanESM5, ssp585, Litter, ln(MSE/SIGMA)
879, 0.0000, 220.0868, -0.6548, 0.0826, 0.0401, 0.9614, 0.8082, 0
CanESM5
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
12.0
10.8
9.6
8.4
7.2
6.0
4.8
3.6

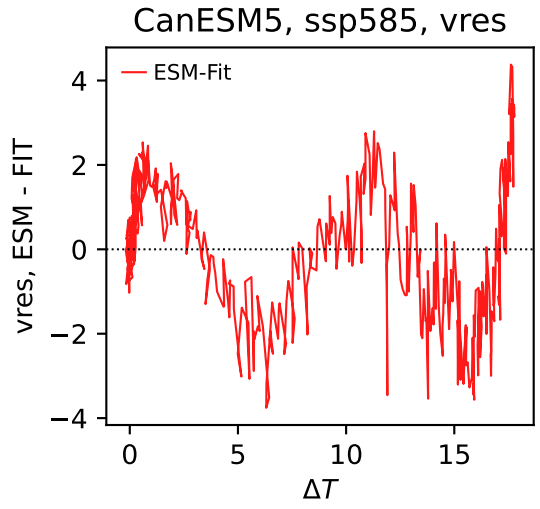

CanESM5, ssp585, Litter, ln(MSE/SIGMA)
879, 0.0000, 220.0868, -0.6548, 0.0826, 0.0401, 0.9614, 0.8082, 0
0.04
0.02
0.00
−0.02
−0.04
lit_c_tan2
CanESM5
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
lit_c_tan
10.6
10.0
9.4
8.8
8.2
7.6
7.0
6.4
5.8
5.2

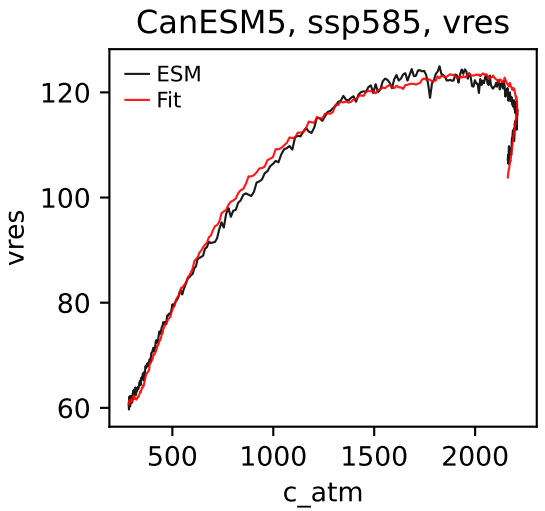

CanESM5, ssp585, Litter, ln(MSE/SIGMA)
879, 0.0000, 220.0868, -0.6548, 0.0826, 0.0401, 0.9614, 0.8082, 0
lit_slow
lit_fast
0.80
0.82
0.84
0.86
0.88
0.90
0.92
0.94
0.90
0.92
0.94
0.96
0.98
1.00
CanESM5
7.5
6.9
6.3
5.7
5.1
4.5
3.9
3.3

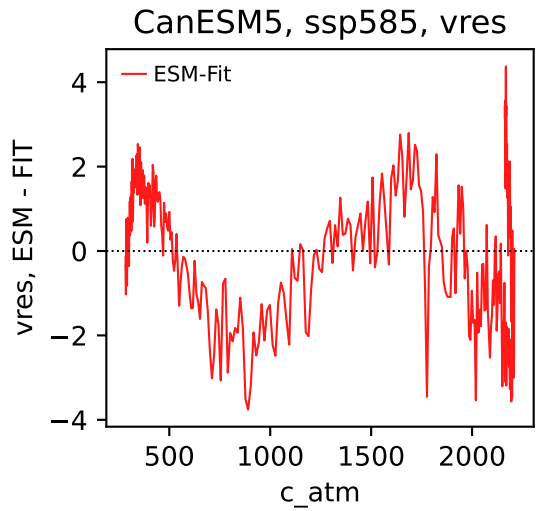

CanESM5, ssp585, vres
ESM
Fit
vres
Year

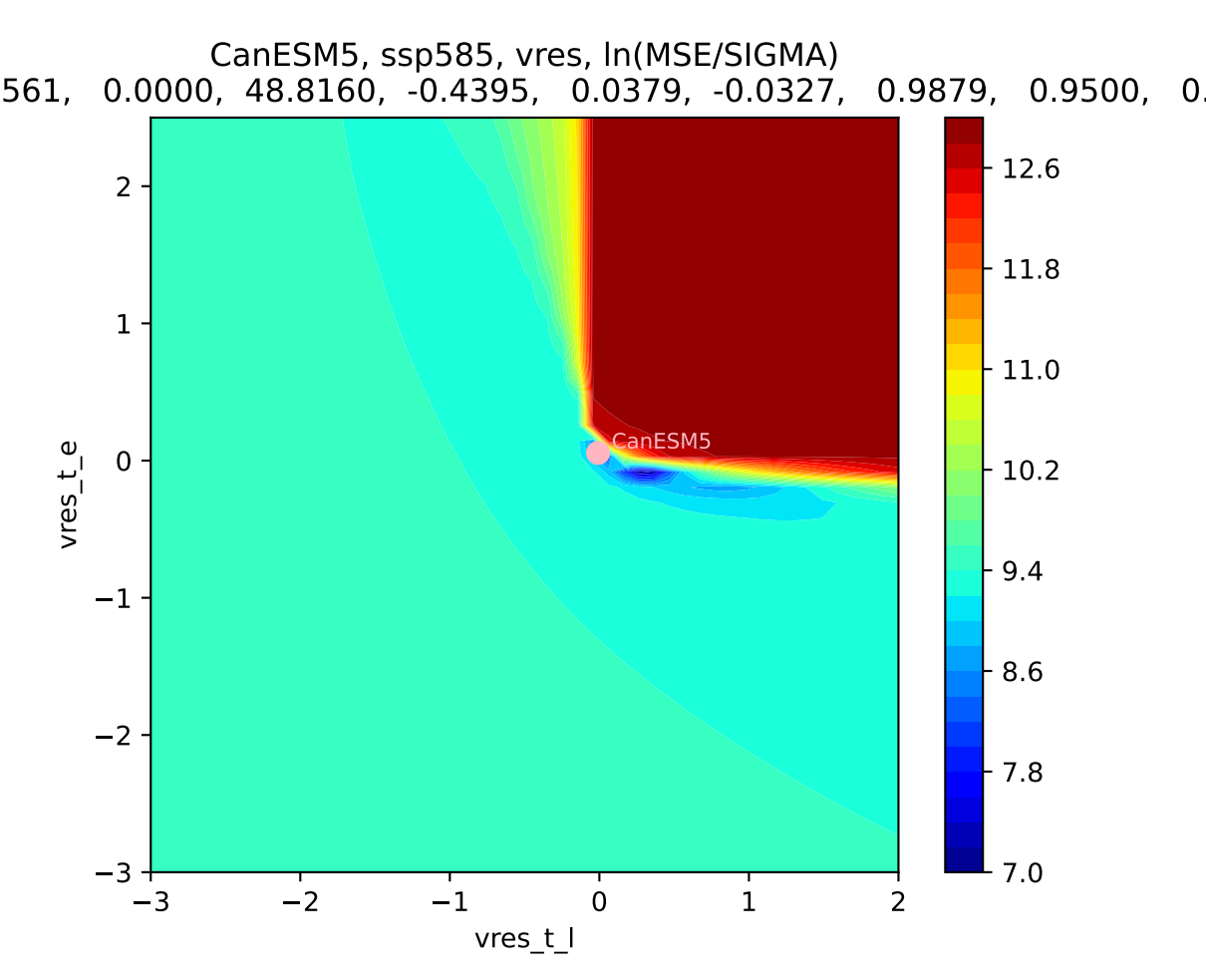

CanESM5, ssp585, vres
ESM-Fit
vres, ESM - FIT
Year

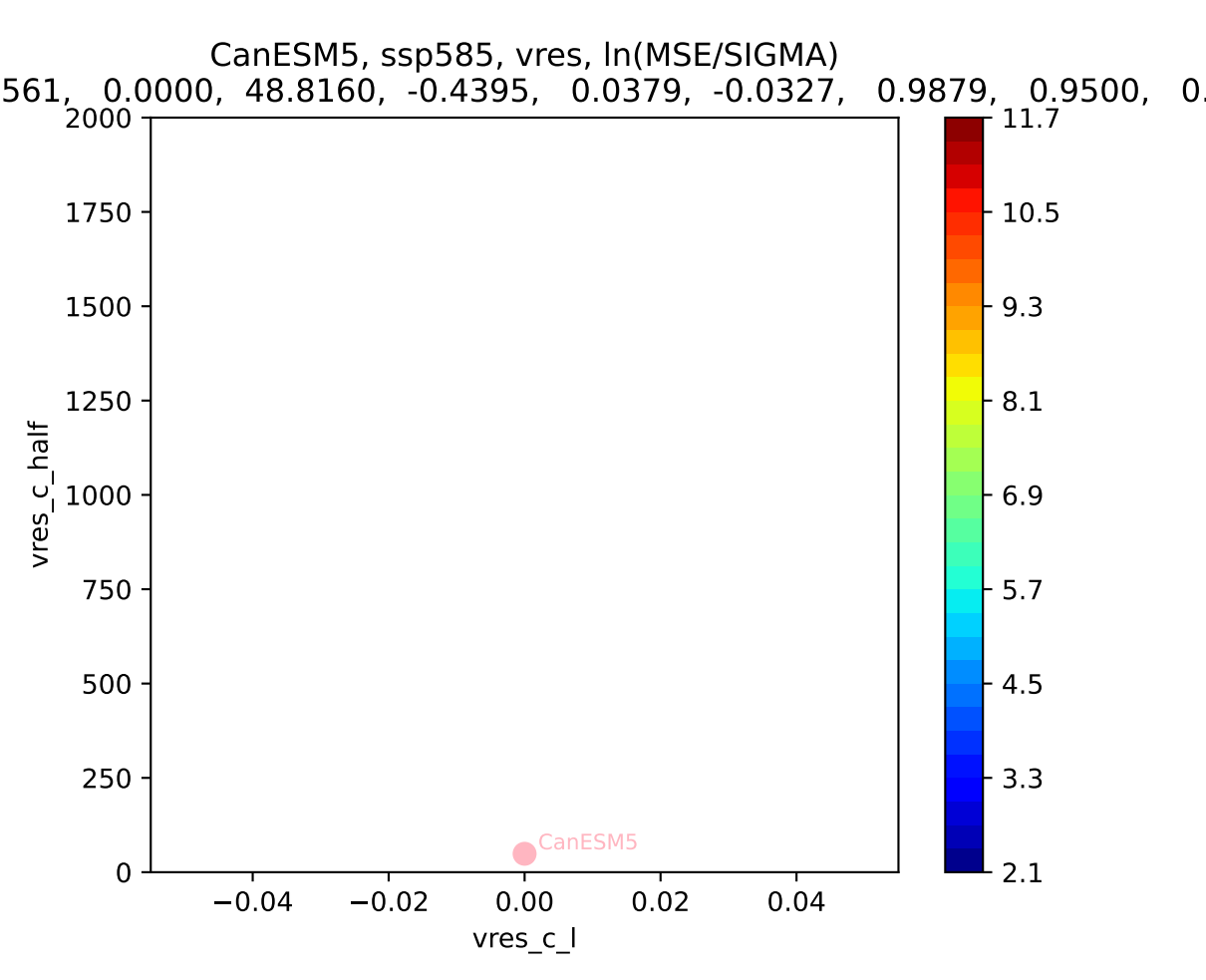

CanESM5, ssp585, vres
ESM
Fit
vres
ΔT

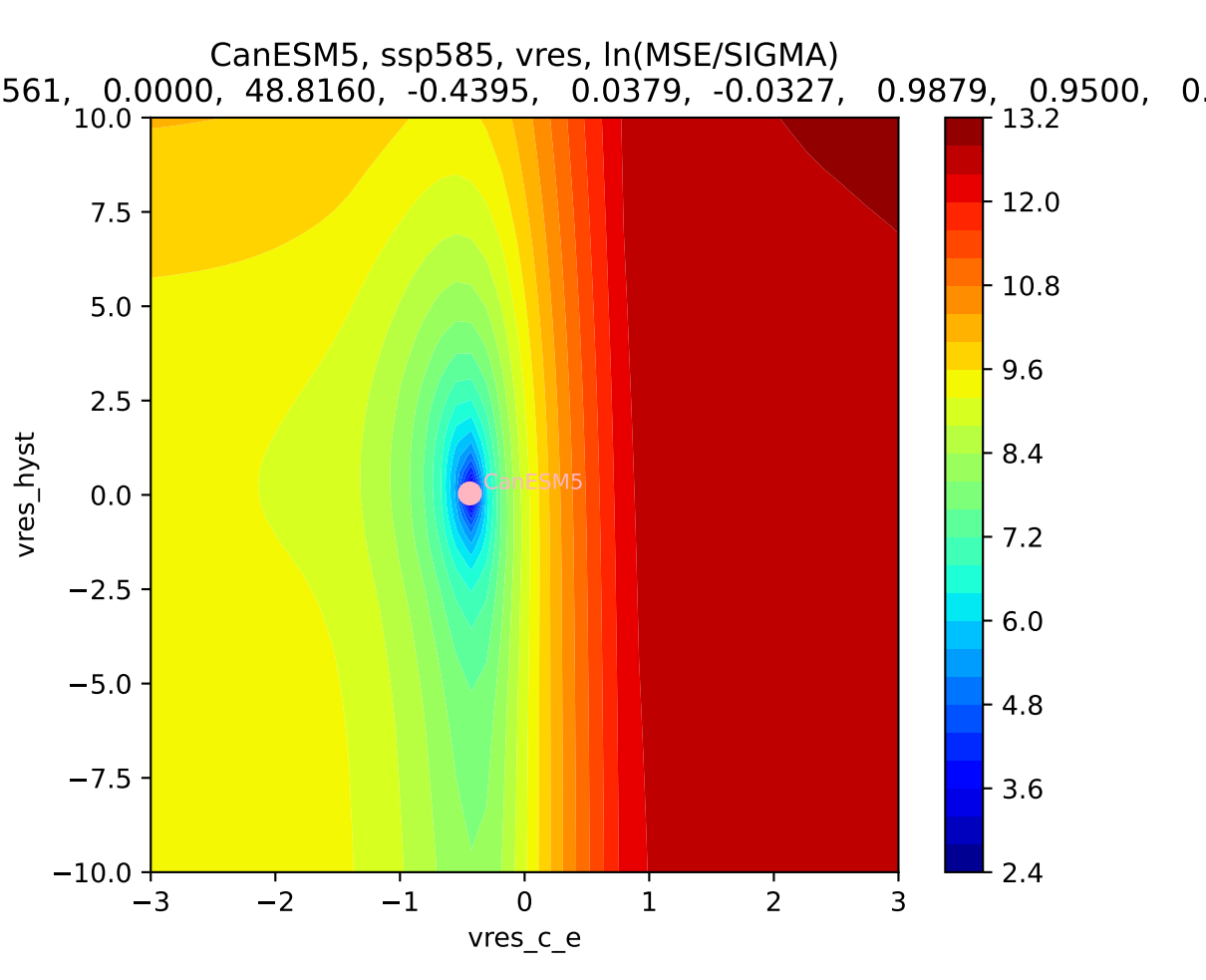

CanESM5, ssp585, vres
ESM-Fit
vres, ESM - FIT
ΔT

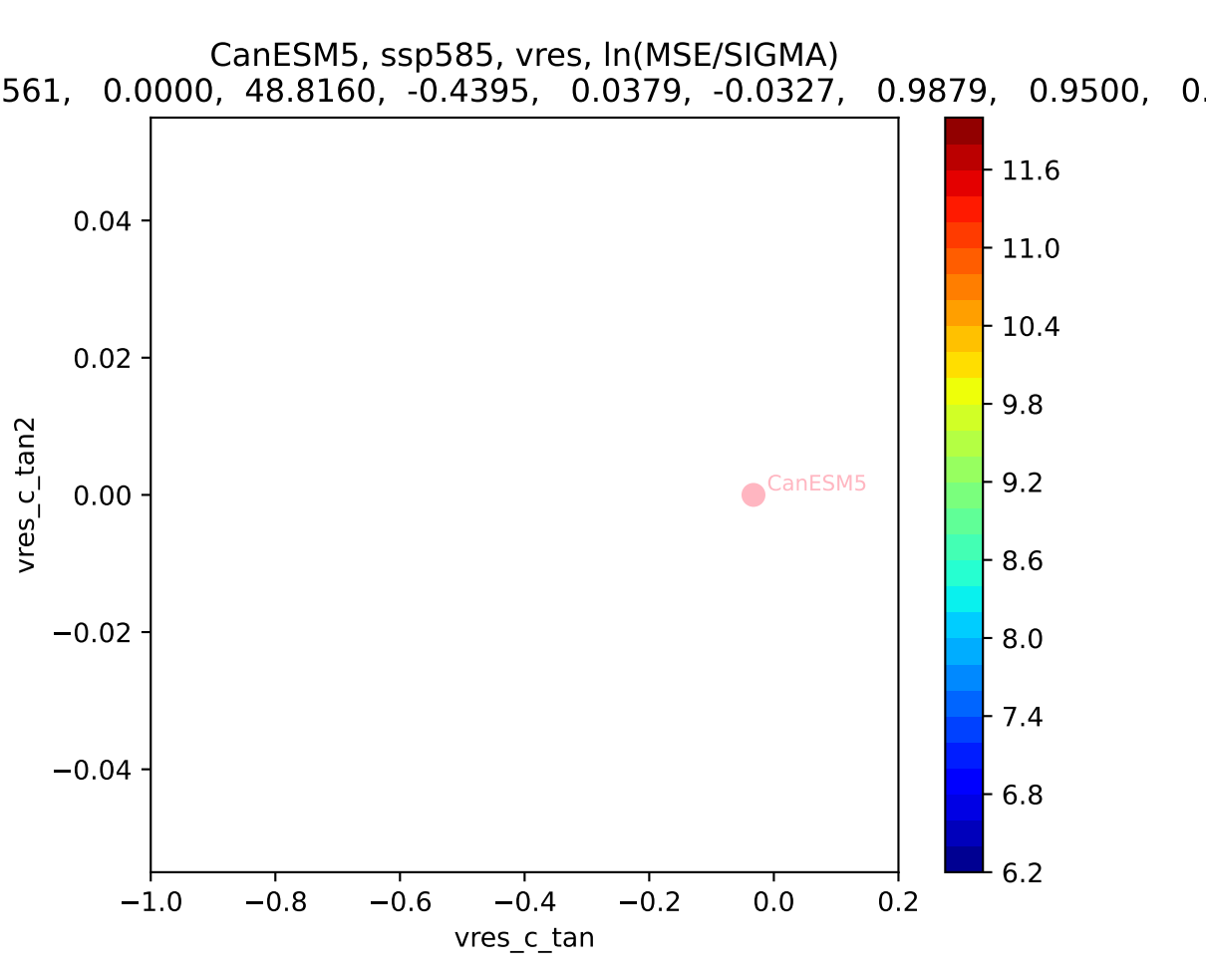

CanESM5, ssp585, vres
ESM
Fit
vres
c_atm

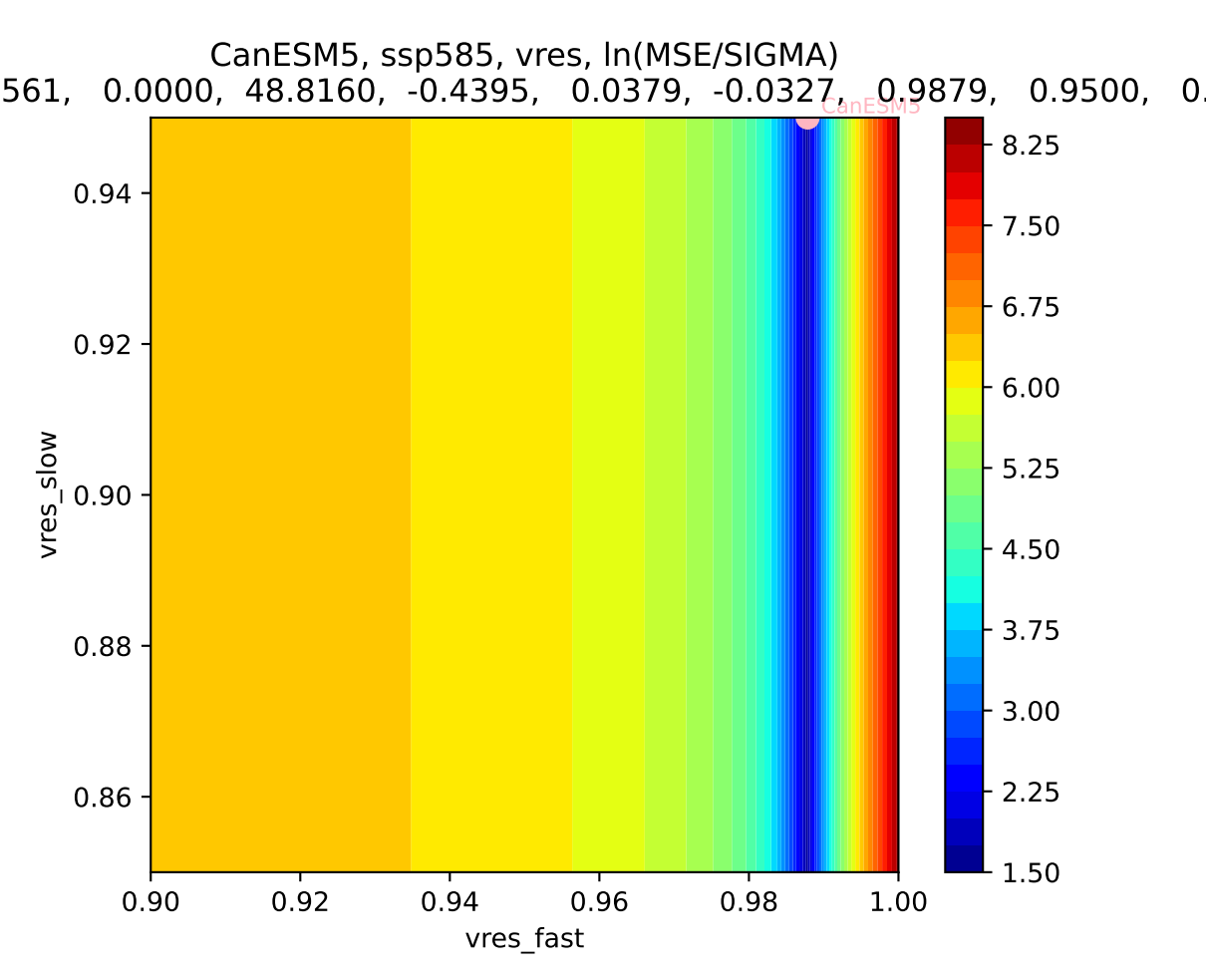

CanESM5, ssp585, vres
ESM-Fit
vres, ESM - FIT
c_atm

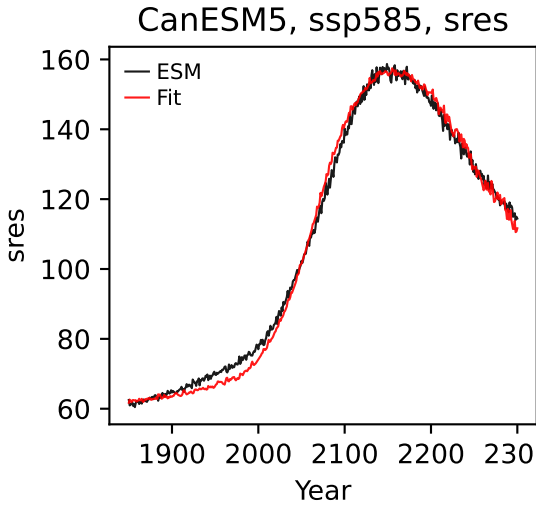

CanESM5, ssp585, vres, ln(MSE/SIGMA)
561, 0.0000, 48.8160, -0.4395, 0.0379, -0.0327, 0.9879, 0.9500, 0.
CanESM5
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
12.6
11.8
11.0
10.2
9.4
8.6
7.8
7.0

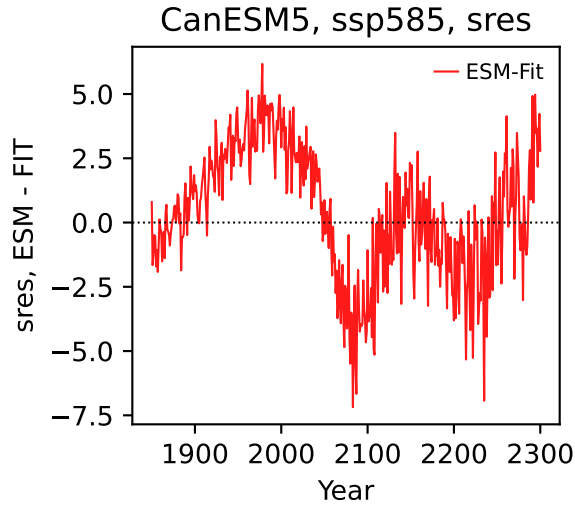

CanESM5, ssp585, vres, ln(MSE/SIGMA)
561, 0.0000, 48.8160, -0.4395, 0.0379, -0.0327, 0.9879, 0.9500, 0.
2000
1750
1500
1250
1000
750
500
250
0
vres_c_half
CanESM5
−0.04
−0.02
0.00
0.02
0.04
vres_c_l
11.7
10.5
9.3
8.1
6.9
5.7
4.5
3.3
2.1

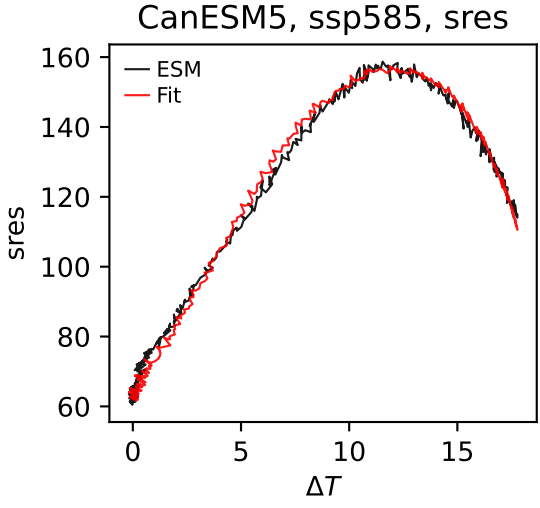

CanESM5, ssp585, vres, ln(MSE/SIGMA)
561, 0.0000, 48.8160, -0.4395, 0.0379, -0.0327, 0.9879, 0.9500, 0.
CanESM5
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
13.2
12.0
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4

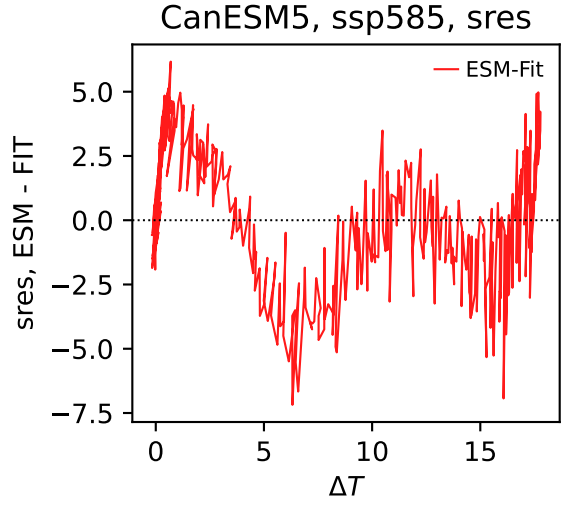

CanESM5, ssp585, vres, ln(MSE/SIGMA)
561, 0.0000, 48.8160, -0.4395, 0.0379, -0.0327, 0.9879, 0.9500, 0.
CanESM5
0.04
0.02
0.00
−0.02
−0.04
vres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
vres_c_tan
11.6
11.0
10.4
9.8
9.2
8.6
8.0
7.4
6.8
6.2

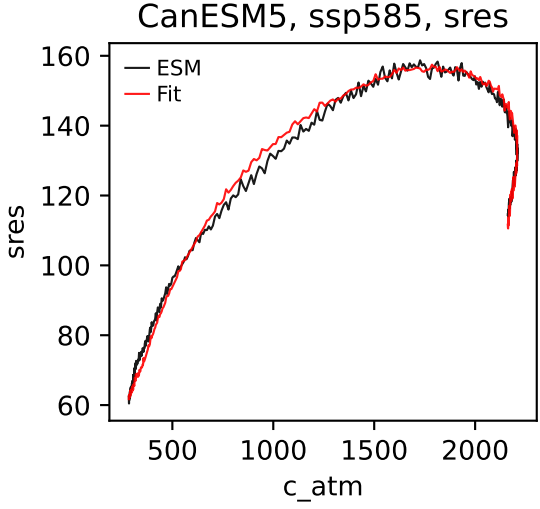

CanESM5, ssp585, vres, ln(MSE/SIGMA)
561, 0.0000, 48.8160, -0.4395, 0.0379, -0.0327, 0.9879, 0.9500, 0.
CanESM5
0.94
0.92
0.90
0.88
0.86
vres_slow
0.90
0.92
0.94
0.96
0.98
1.00
vres_fast
8.25
7.50
6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50

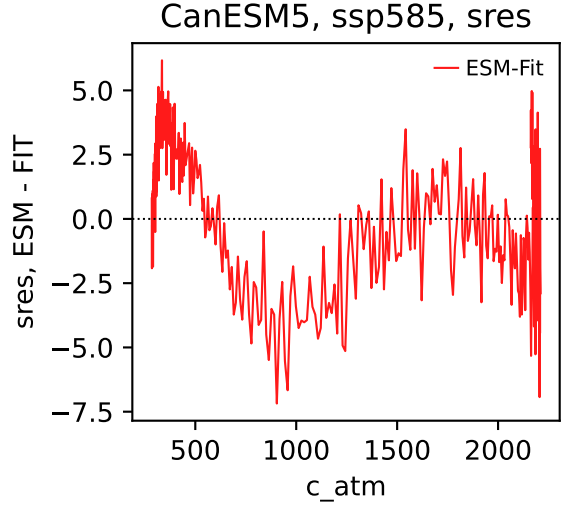

CanESM5, ssp585, sres
ESM
Fit
sres
Year

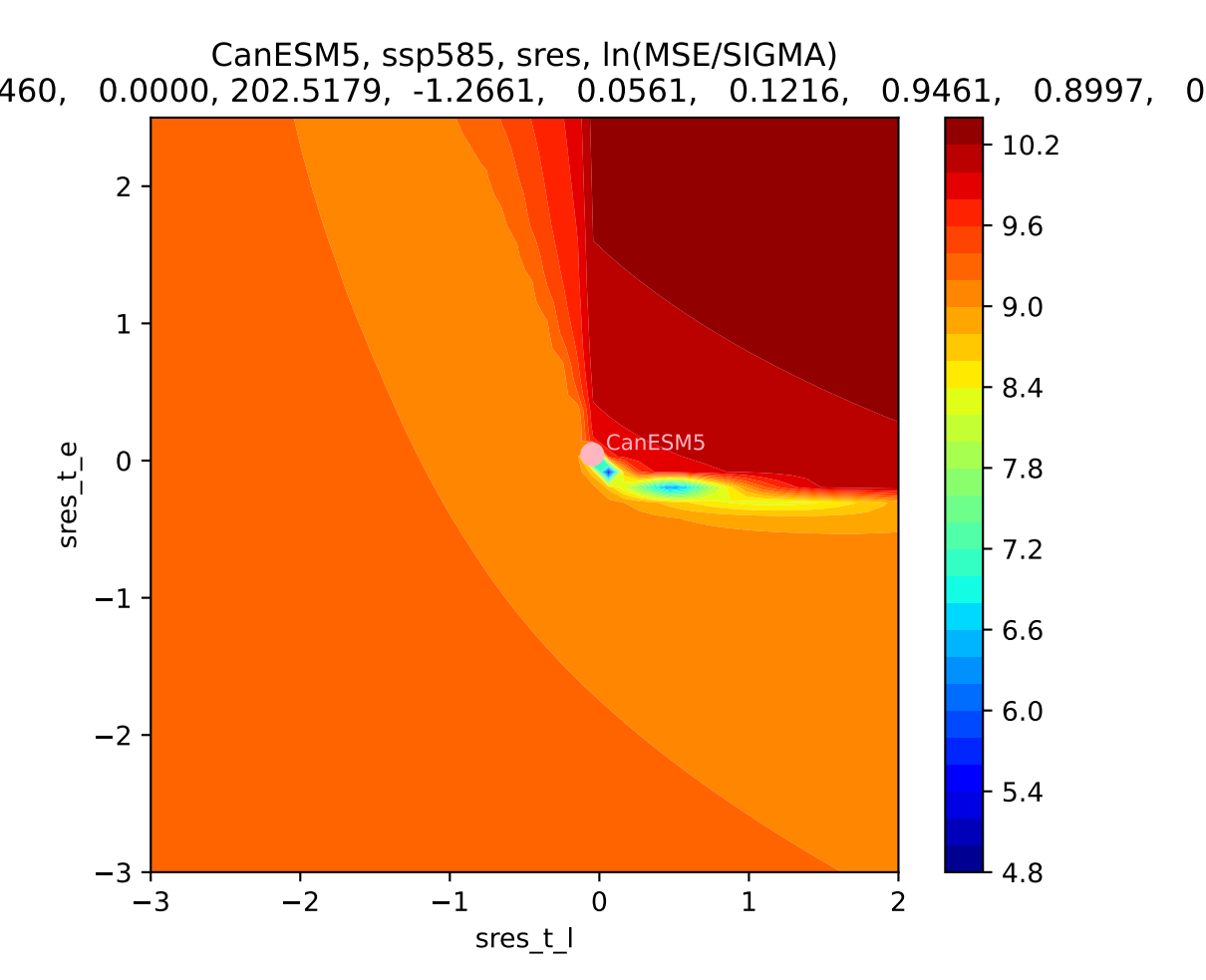

CanESM5, ssp585, sres
ESM-Fit
sres, ESM - FIT
Year

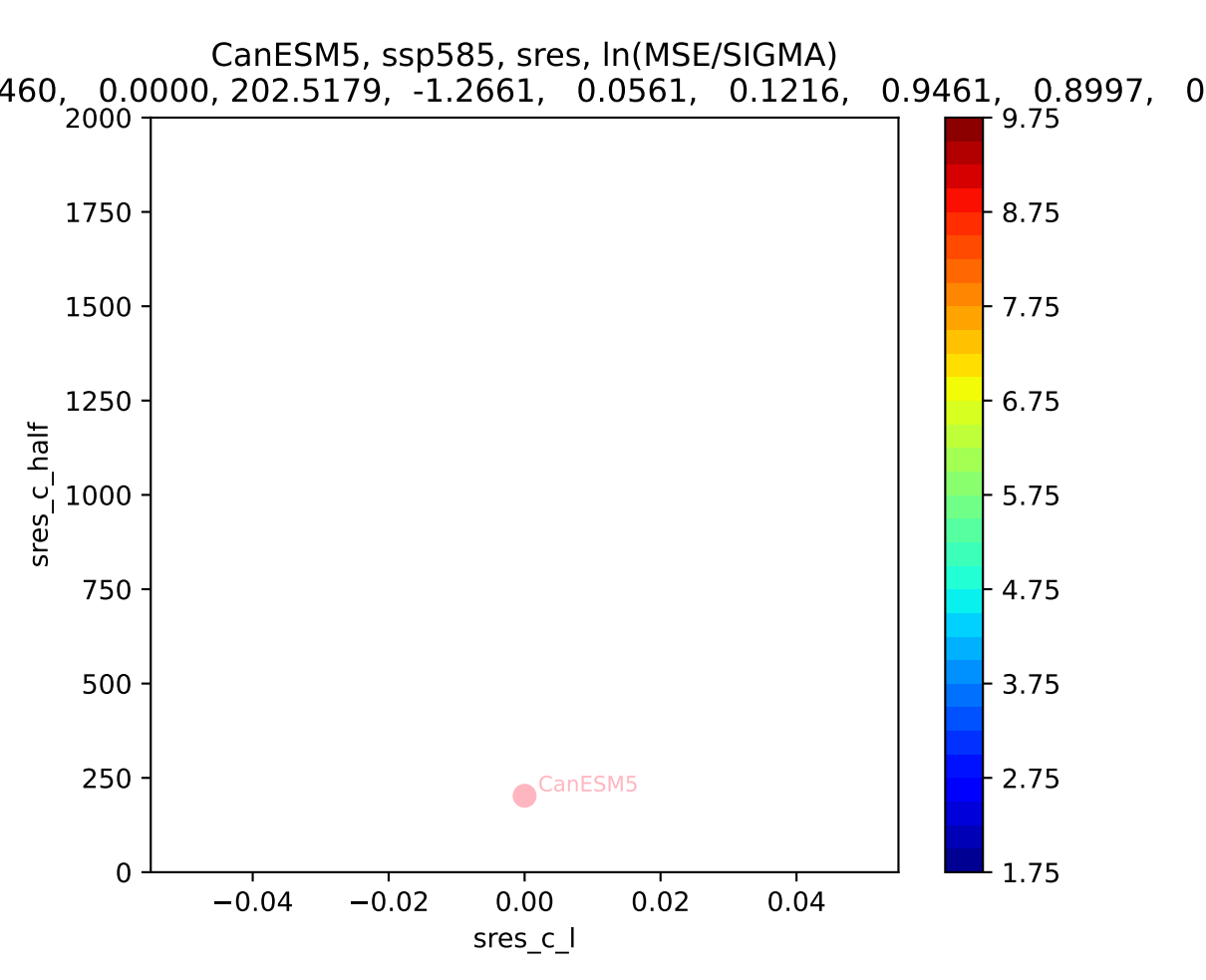

CanESM5, ssp585, sres
ESM
Fit
sres
ΔT

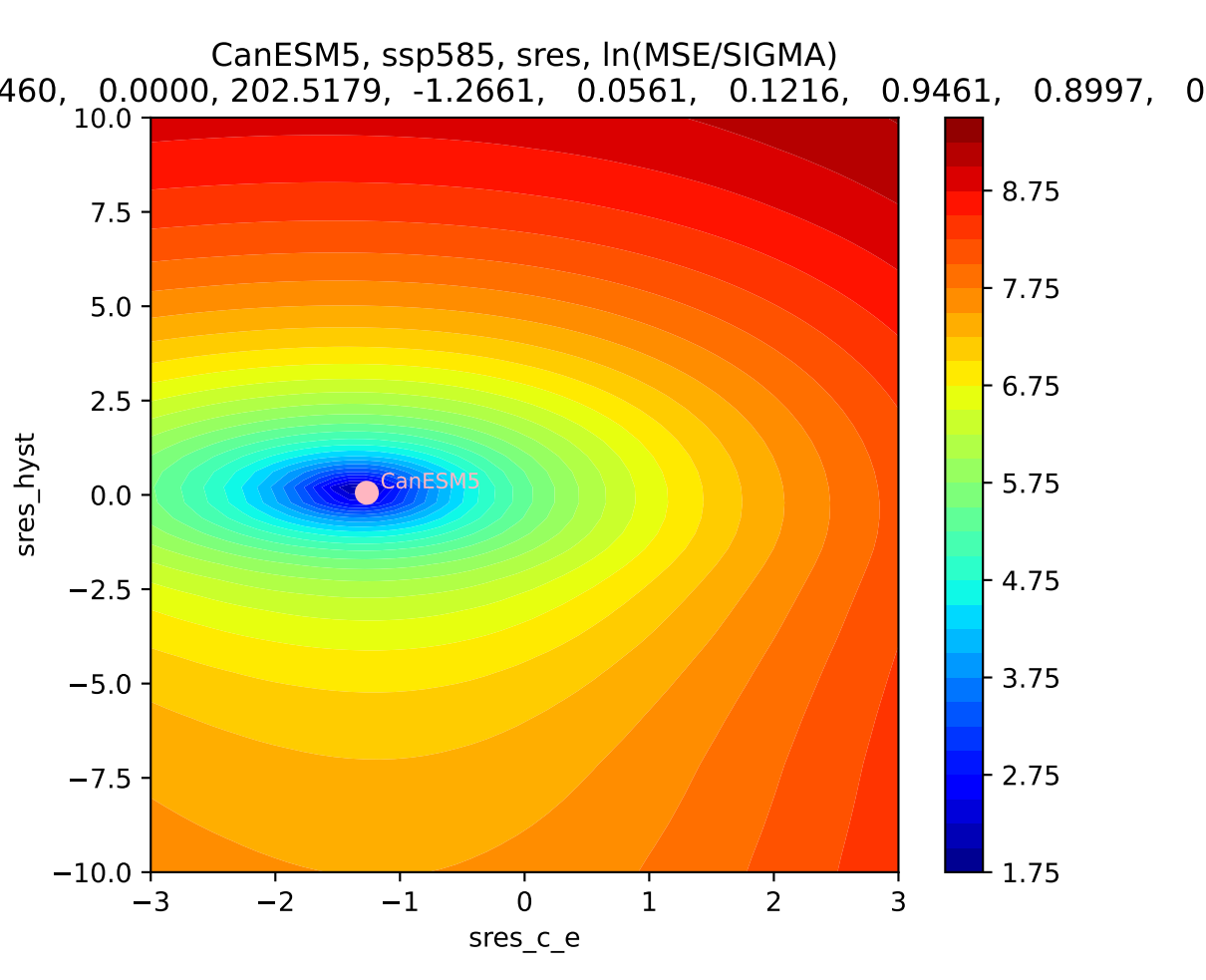

CanESM5, ssp585, sres
ESM-Fit
sres, ESM - FIT
ΔT

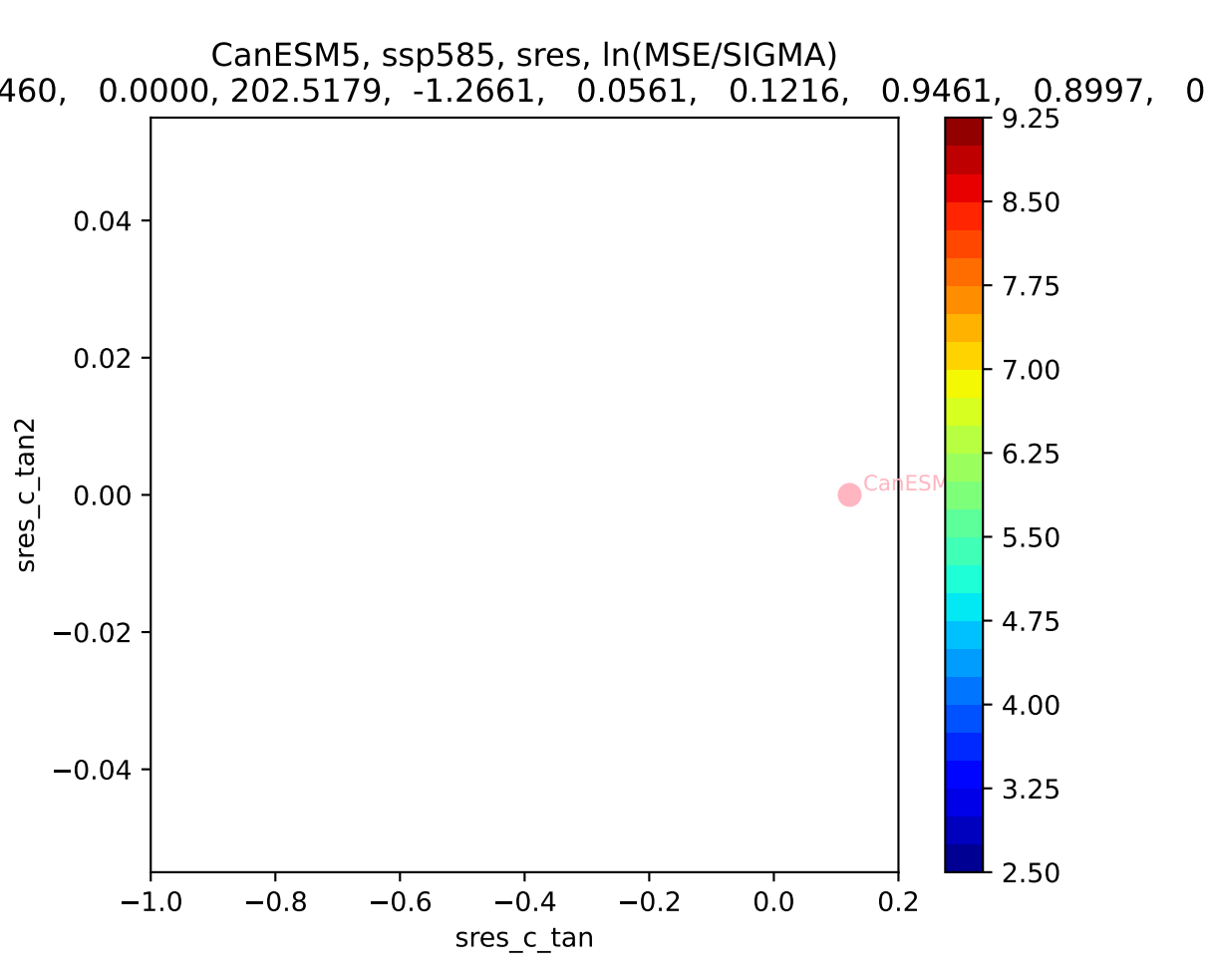

CanESM5, ssp585, sres
ESM
Fit
sres
c_atm

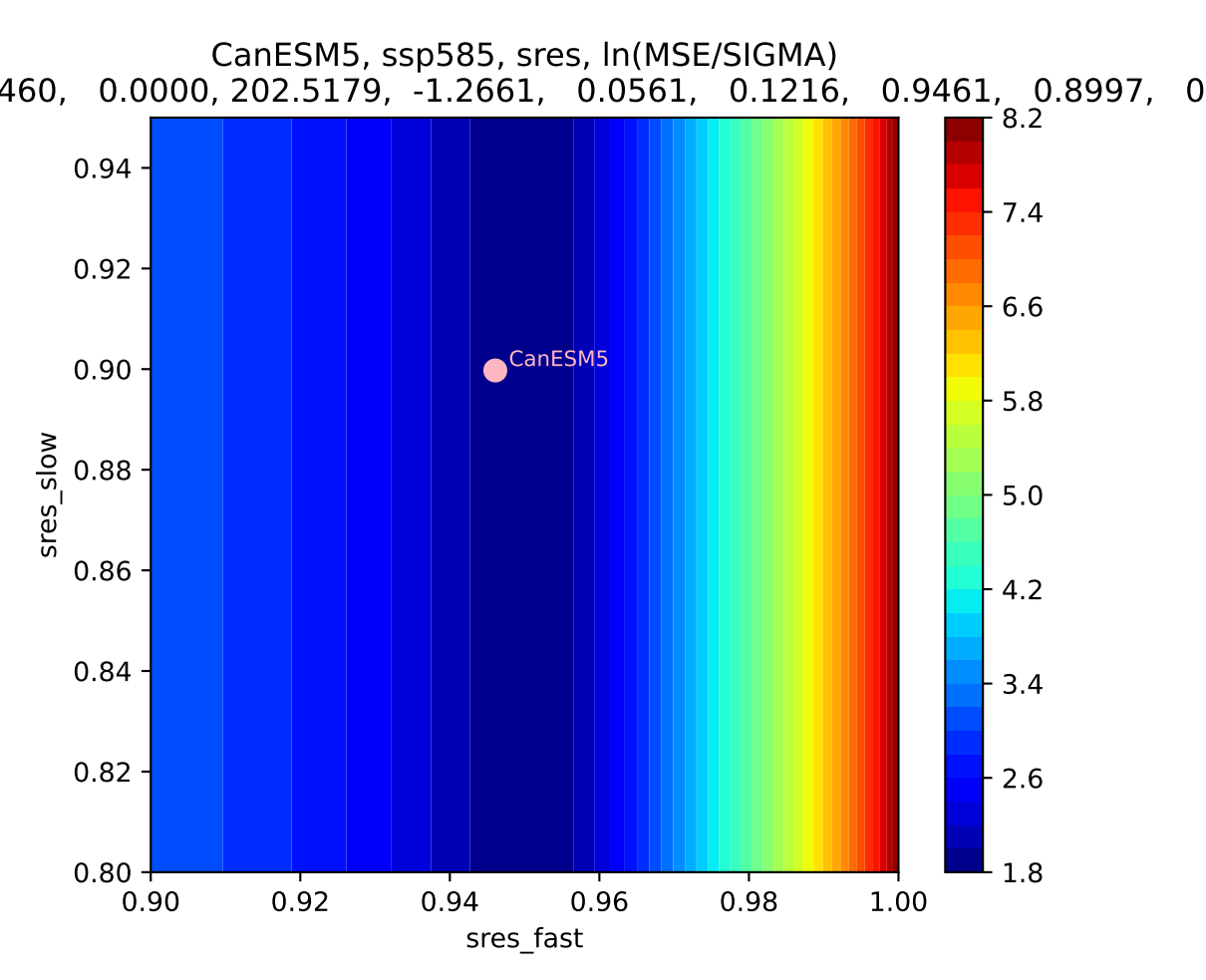

CanESM5, ssp585, sres
ESM-Fit
sres, ESM - FIT
c_atm

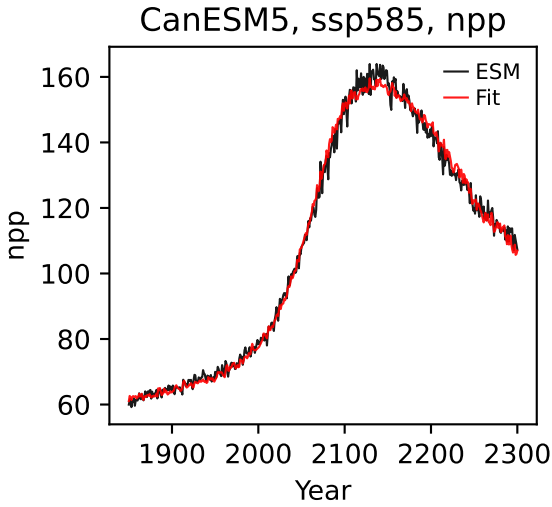

CanESM5, ssp585, sres, ln(MSE/SIGMA)
460, 0.0000, 202.5179, -1.2661, 0.0561, 0.1216, 0.9461, 0.8997, 0
CanESM5
sres_t_e
sres_t_l
10.2
9.6
9.0
8.4
7.8
7.2
6.6
6.0
5.4
4.8

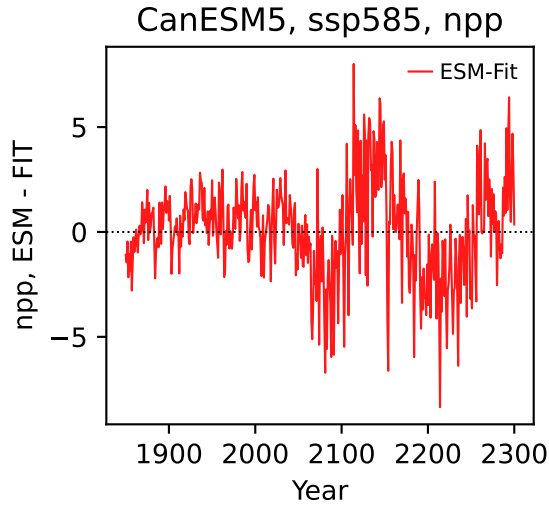

CanESM5, ssp585, sres, ln(MSE/SIGMA)
460, 0.0000, 202.5179, -1.2661, 0.0561, 0.1216, 0.9461, 0.8997, 0
2000
1750
1500
1250
1000
750
500
250
0
sres_c_half
−0.04
−0.02
0.00
0.02
0.04
sres_c_l
CanESM5
9.75
8.75
7.75
6.75
5.75
4.75
3.75
2.75
1.75

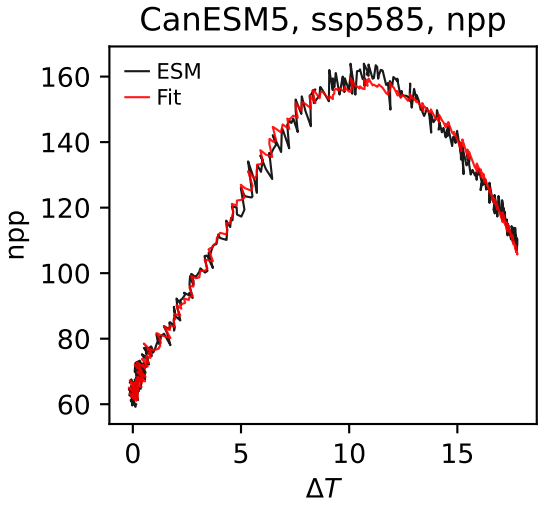

CanESM5, ssp585, sres, ln(MSE/SIGMA)
460, 0.0000, 202.5179, -1.2661, 0.0561, 0.1216, 0.9461, 0.8997, 0
CanESM5
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
8.75
7.75
6.75
5.75
4.75
3.75
2.75
1.75

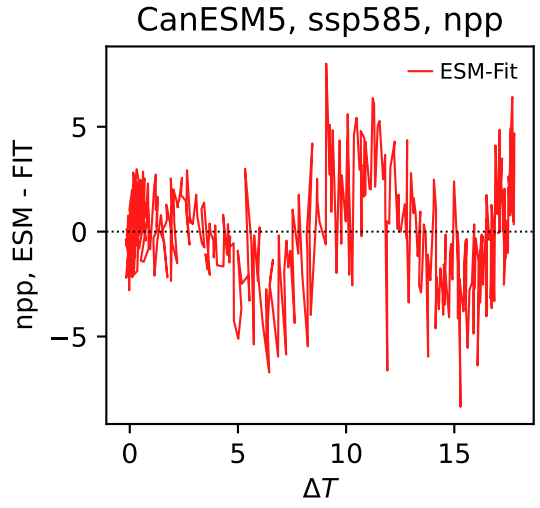

CanESM5, ssp585, sres, ln(MSE/SIGMA)
460, 0.0000, 202.5179, -1.2661, 0.0561, 0.1216, 0.9461, 0.8997, 0
0.04
0.02
0.00
−0.02
−0.04
sres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
sres_c_tan
9.25
8.50
7.75
7.00
6.25
5.50
4.75
4.00
3.25
2.50

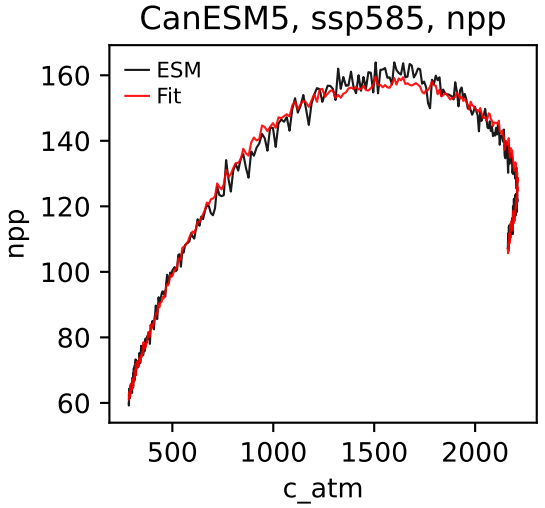

CanESM5, ssp585, sres, ln(MSE/SIGMA)
460, 0.0000, 202.5179, -1.2661, 0.0561, 0.1216, 0.9461, 0.8997, 0
CanESM5
sres_slow
sres_fast
0.80
0.82
0.84
0.86
0.88
0.90
0.92
0.94
0.90
0.92
0.94
0.96
0.98
1.00
8.2
7.4
6.6
5.8
5.0
4.2
3.4
2.6
1.8

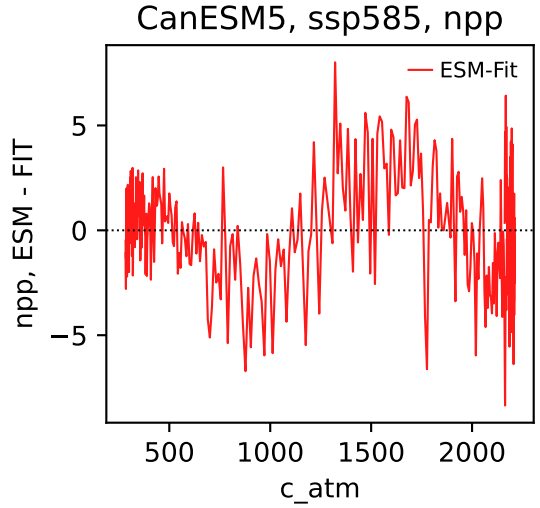

CanESM5, ssp585, npp
ESM
Fit
npp
Year

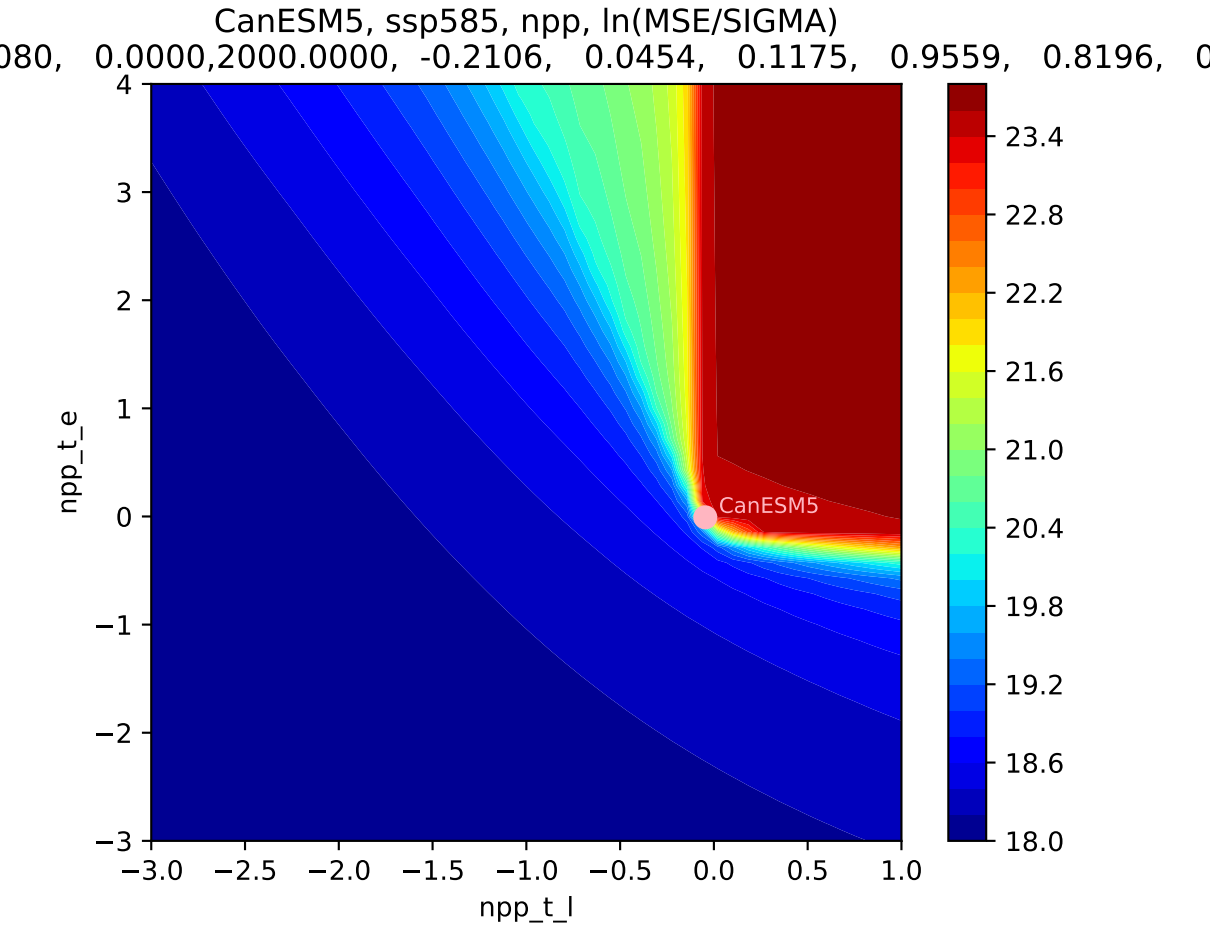

CanESM5, ssp585, npp
ESM-Fit
npp, ESM - FIT
Year

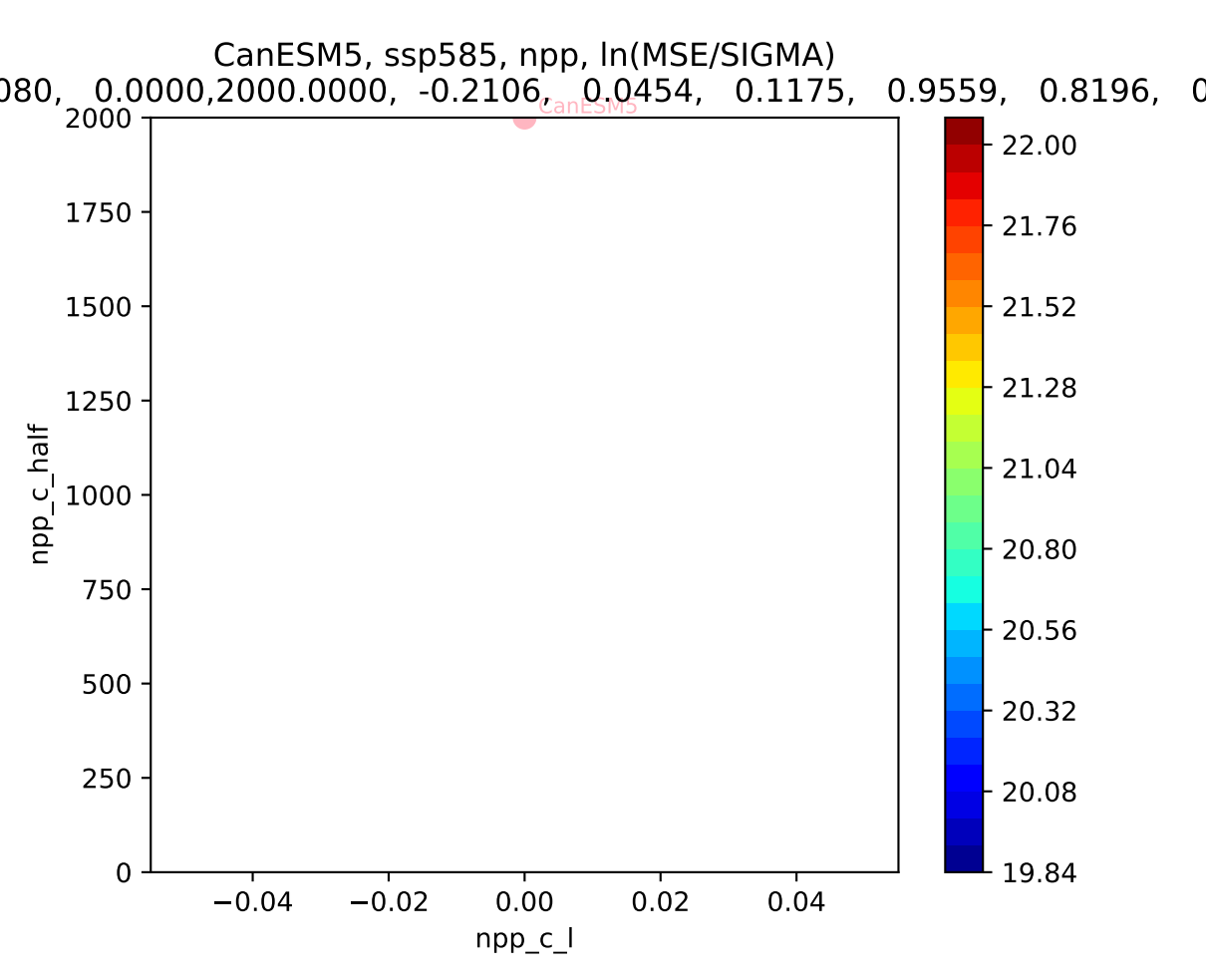

CanESM5, ssp585, npp
ESM
Fit
npp
ΔT

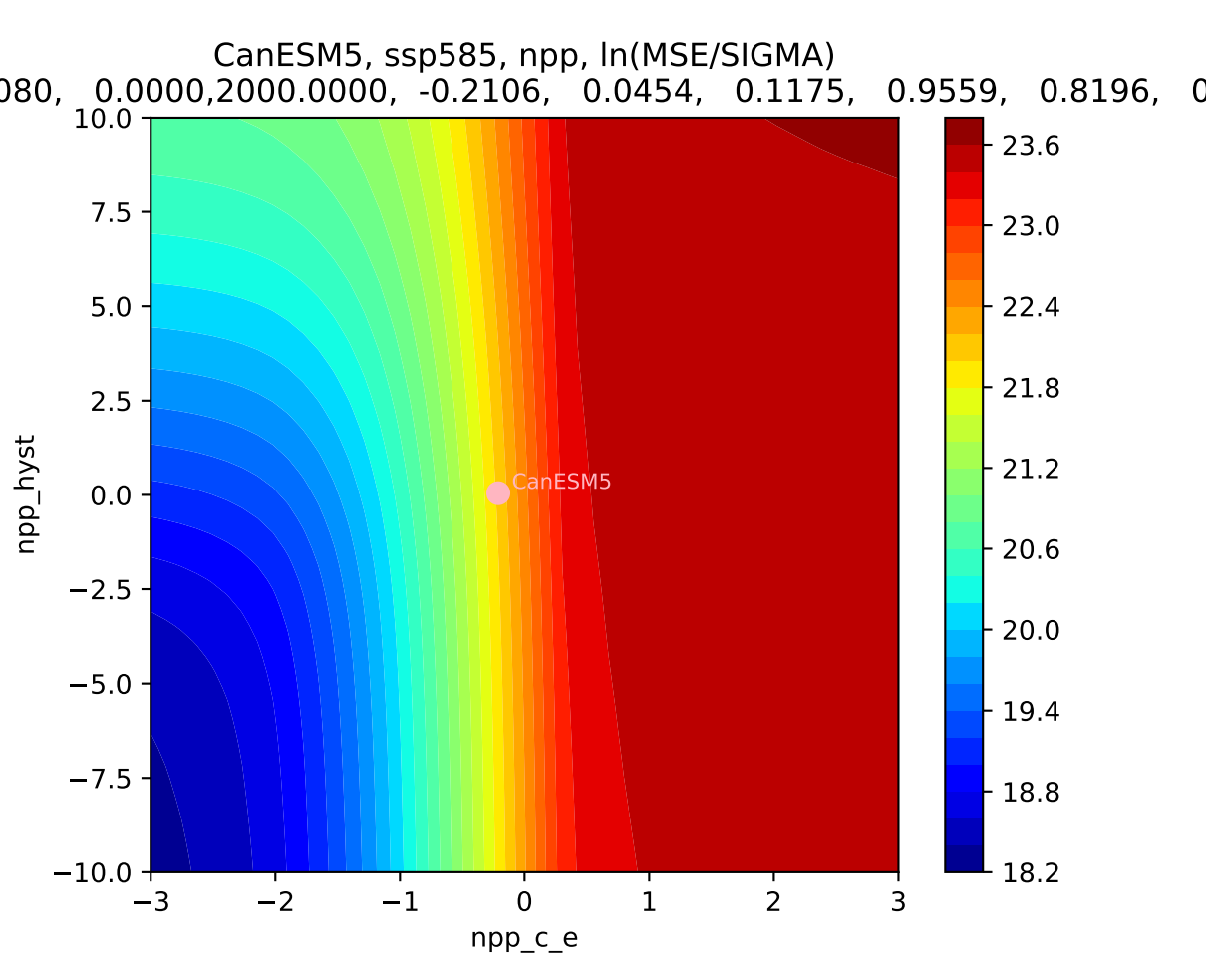

CanESM5, ssp585, npp
ESM-Fit
npp, ESM - FIT
ΔT

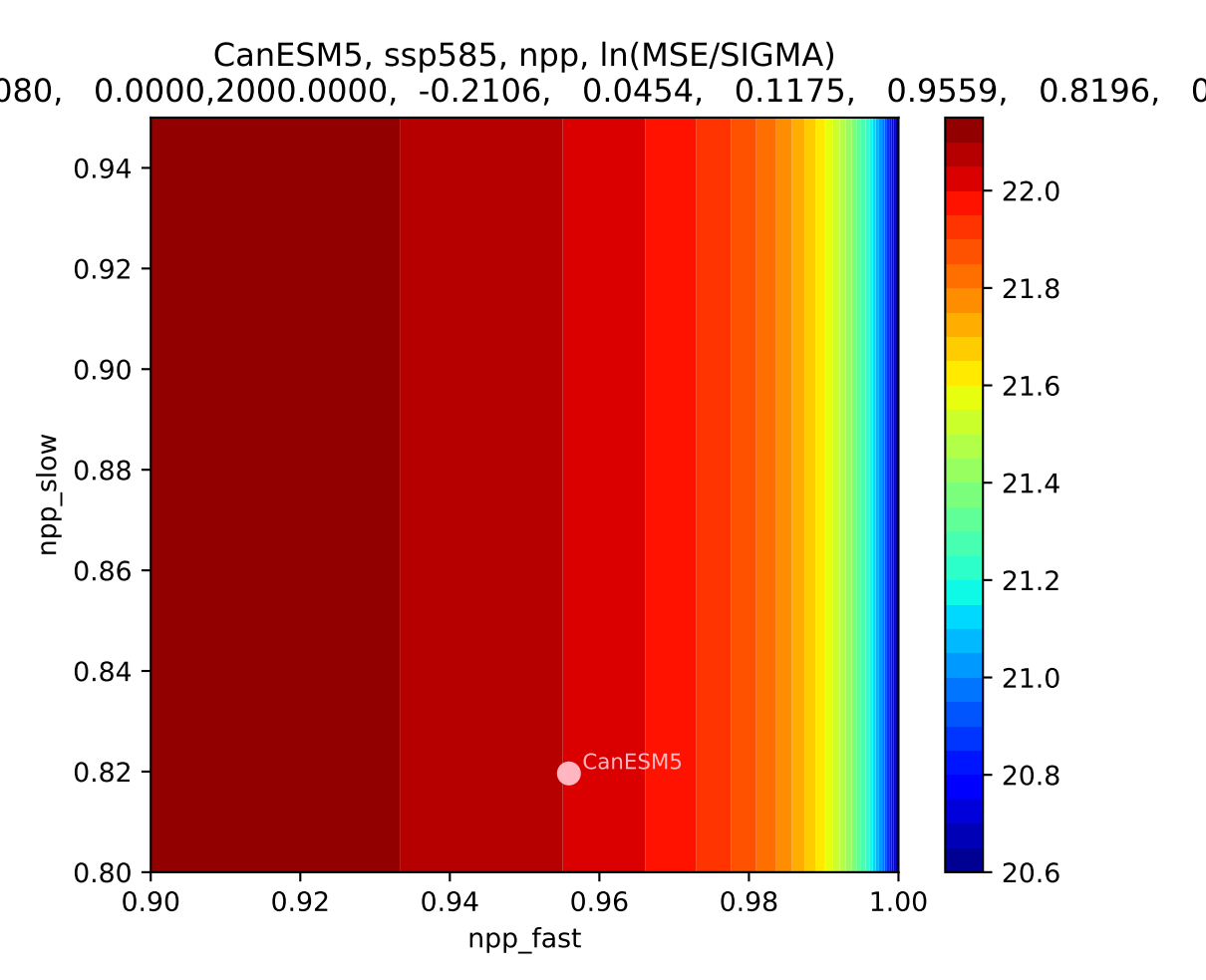

CanESM5, ssp585, npp
ESM
Fit
npp
c_atm


CanESM5, ssp585, npp
ESM-Fit
npp, ESM - FIT
c_atm


CanESM5, ssp585, npp, ln(MSE/SIGMA)
080, 0.0000,2000.0000, -0.2106, 0.0454, 0.1175, 0.9559, 0.8196, 0
CanESM5
npp_t_e
npp_t_l
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
23.4
22.8
22.2
21.6
21.0
20.4
19.8
19.2
18.6
18.0


CanESM5, ssp585, npp, ln(MSE/SIGMA)
080, 0.0000,2000.0000, -0.2106, 0.0454, 0.1175, 0.9559, 0.8196, 0
CanESM5
2000
1750
1500
1250
1000
750
500
250
0
npp_c_half
−0.04
−0.02
0.00
0.02
0.04
npp_c_l
22.00
21.76
21.52
21.28
21.04
20.80
20.56
20.32
20.08
19.84


CanESM5, ssp585, npp, ln(MSE/SIGMA)
080, 0.0000,2000.0000, -0.2106, 0.0454, 0.1175, 0.9559, 0.8196, 0
CanESM5
npp_hyst
npp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
23.6
23.0
22.4
21.8
21.2
20.6
20.0
19.4
18.8
18.2


CanESM5, ssp585, npp, ln(MSE/SIGMA)
080, 0.0000,2000.0000, -0.2106, 0.0454, 0.1175, 0.9559, 0.8196, 0
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
npp_slow
CanESM5
0.90
0.92
0.94
0.96
0.98
1.00
npp_fast
22.0
21.8
21.6
21.4
21.2
21.0
20.8
20.6