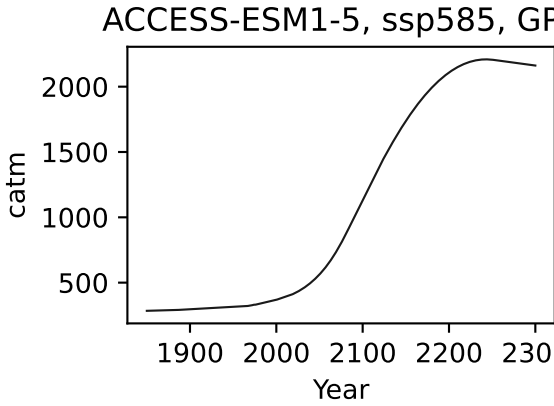
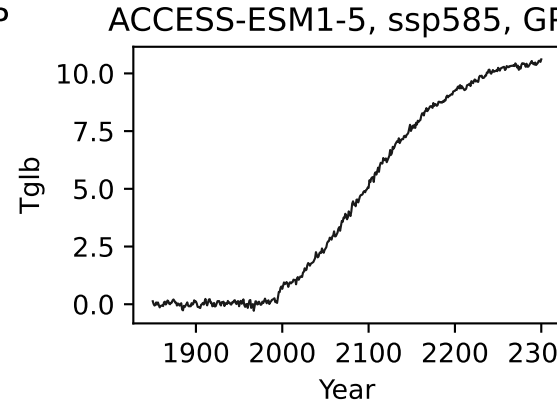
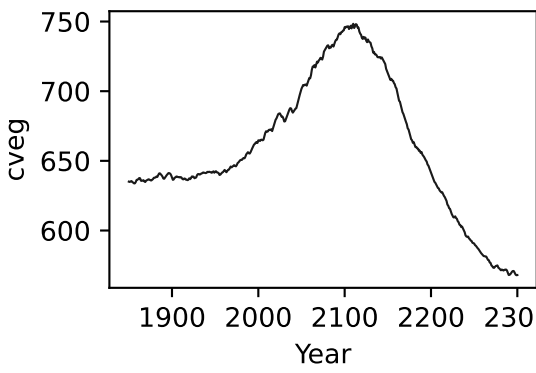
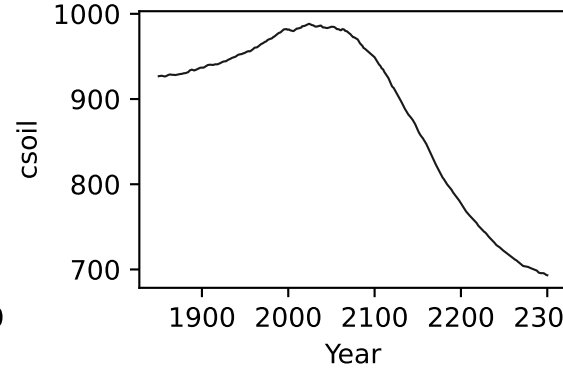
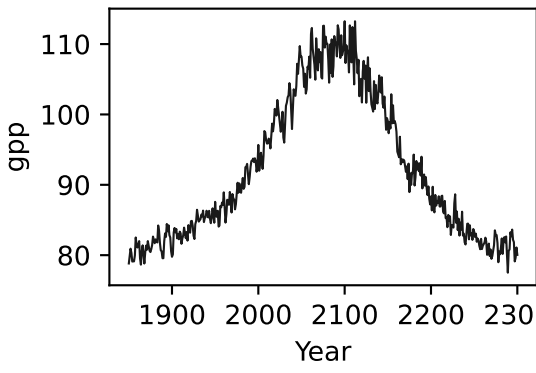
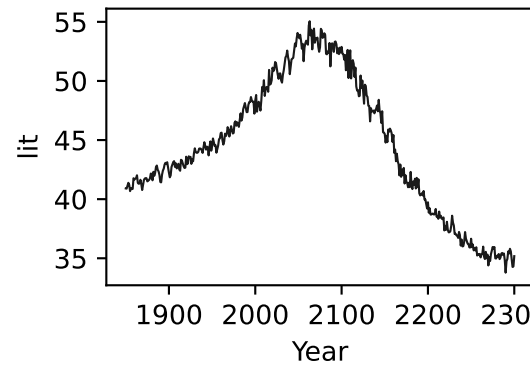

ACCESS-ESM1-5, ssp585, GPP
catm
2000
1500
1000
500
1900
2000
2100
2200
2300
Year

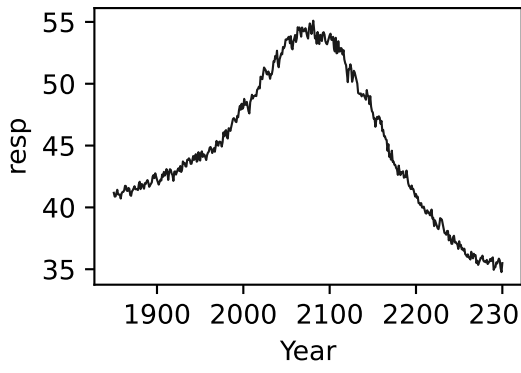

ACCESS-ESM1-5, ssp585, GPP
Tglb
10.0
7.5
5.0
2.5
0.0
1900
2000
2100
2200
2300
Year

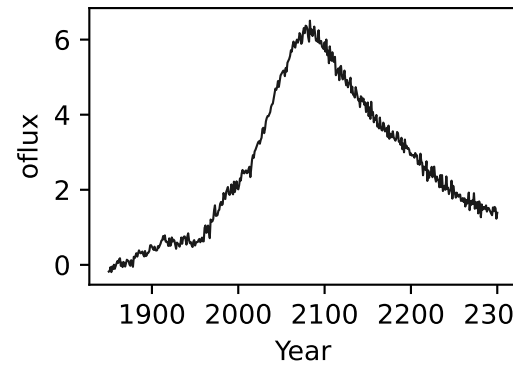

cveg
750
700
650
600
1900
2000
2100
2200
2300
Year

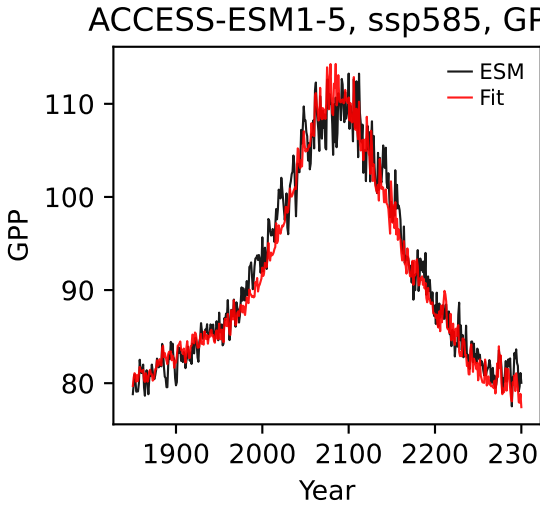

csoil
1000
900
800
700
1900
2000
2100
2200
2300
Year

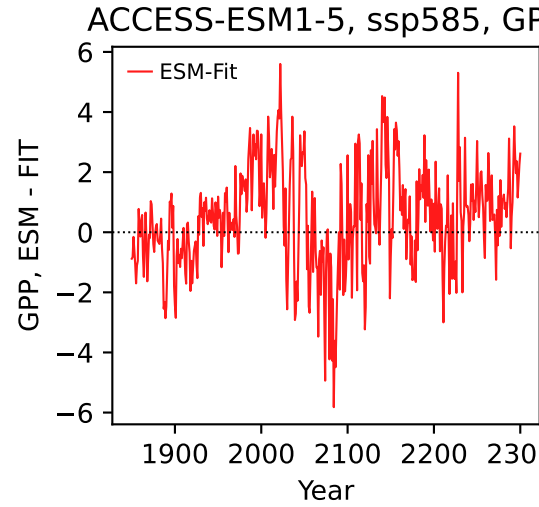

gpp
110
100
90
80
1900
2000
2100
2200
2300
Year

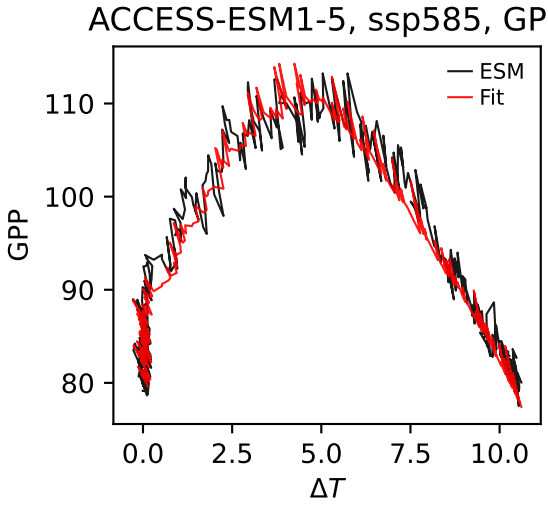

lit
55
50
45
40
35
1900
2000
2100
2200
2300
Year

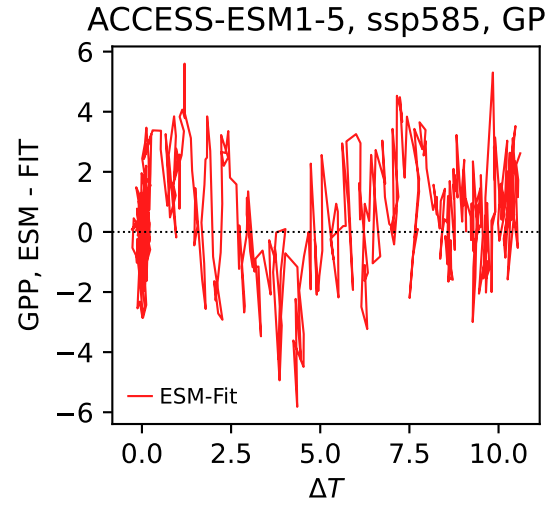

resp
55
50
45
40
35
1900
2000
2100
2200
2300
Year

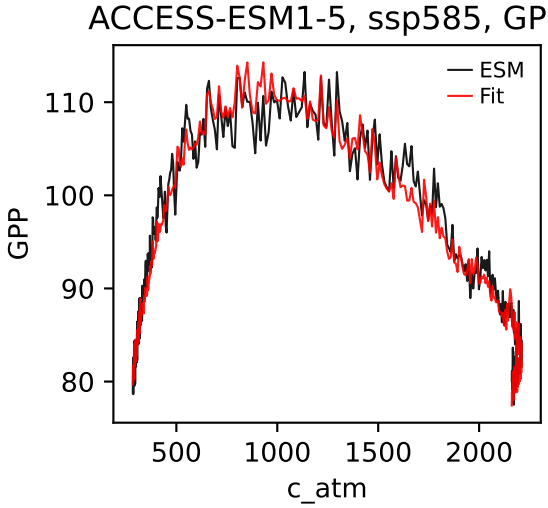

oflux
6
4
2
0
1900
2000
2100
2200
2300
Year

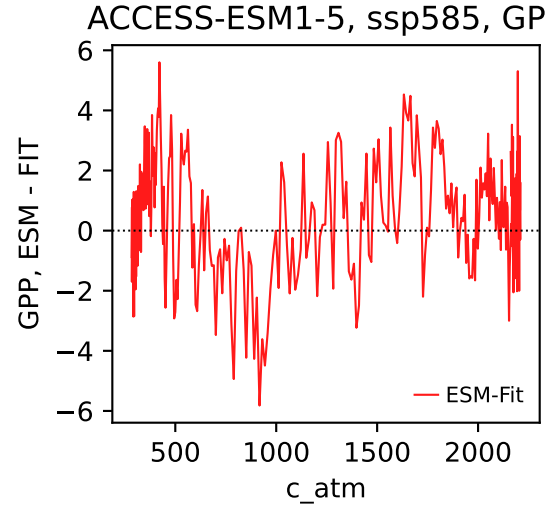

ACCESS-ESM1-5, ssp585, GPP
ESM
Fit
GPP
Year

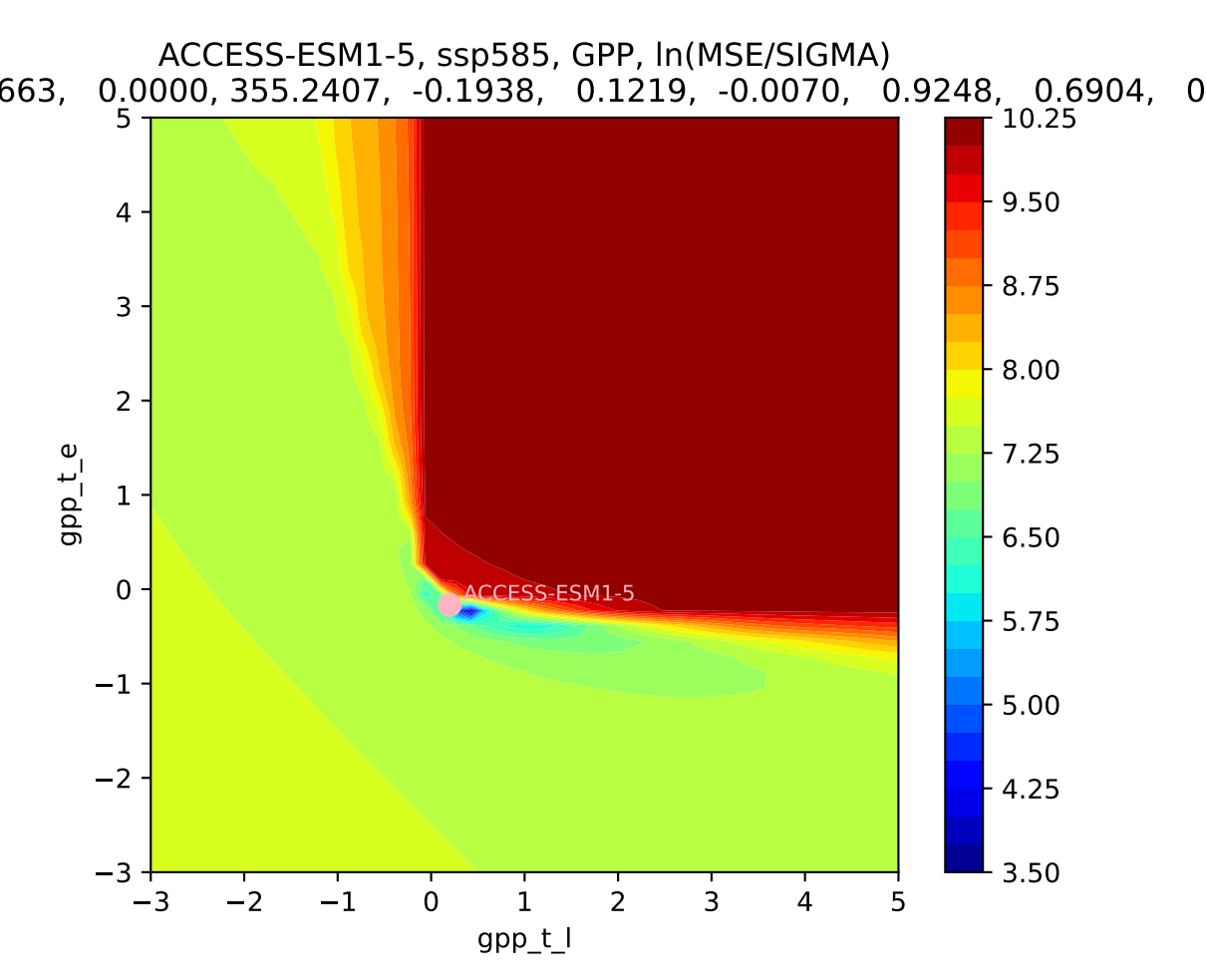

ACCESS-ESM1-5, ssp585, GPP
ESM-Fit
GPP, ESM - FIT
Year

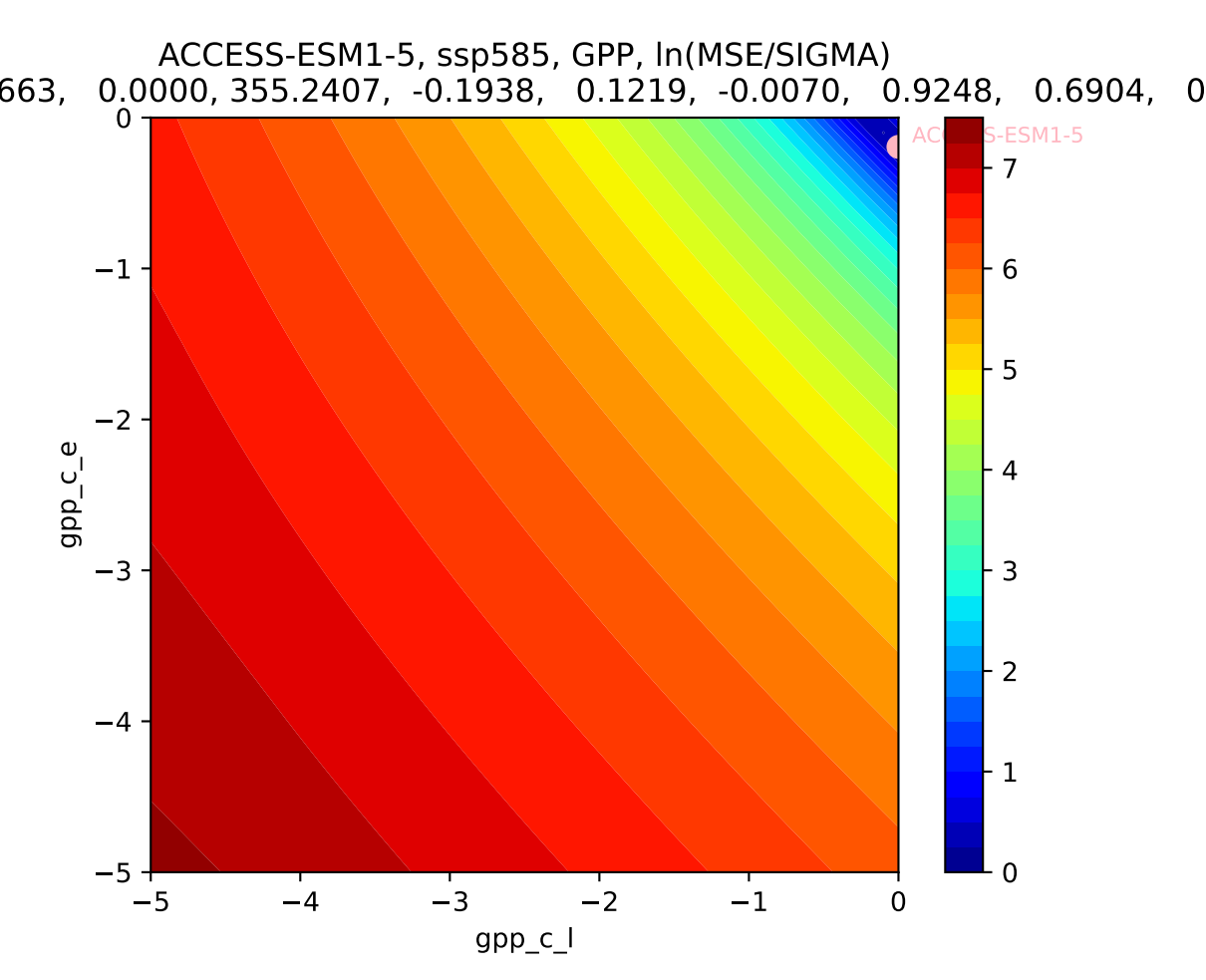

ACCESS-ESM1-5, ssp585, GPP
ESM
Fit
GPP
ΔT

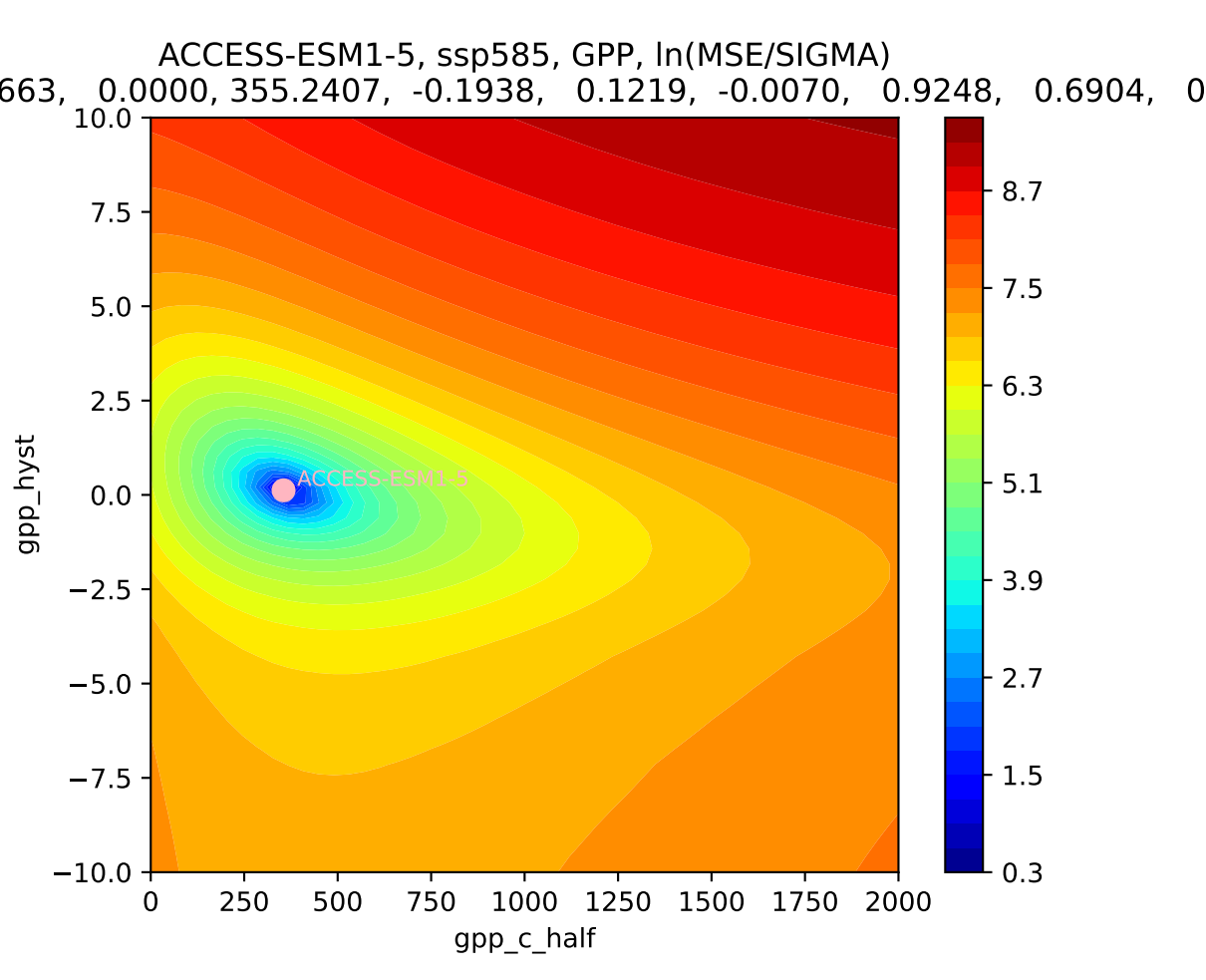

ACCESS-ESM1-5, ssp585, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

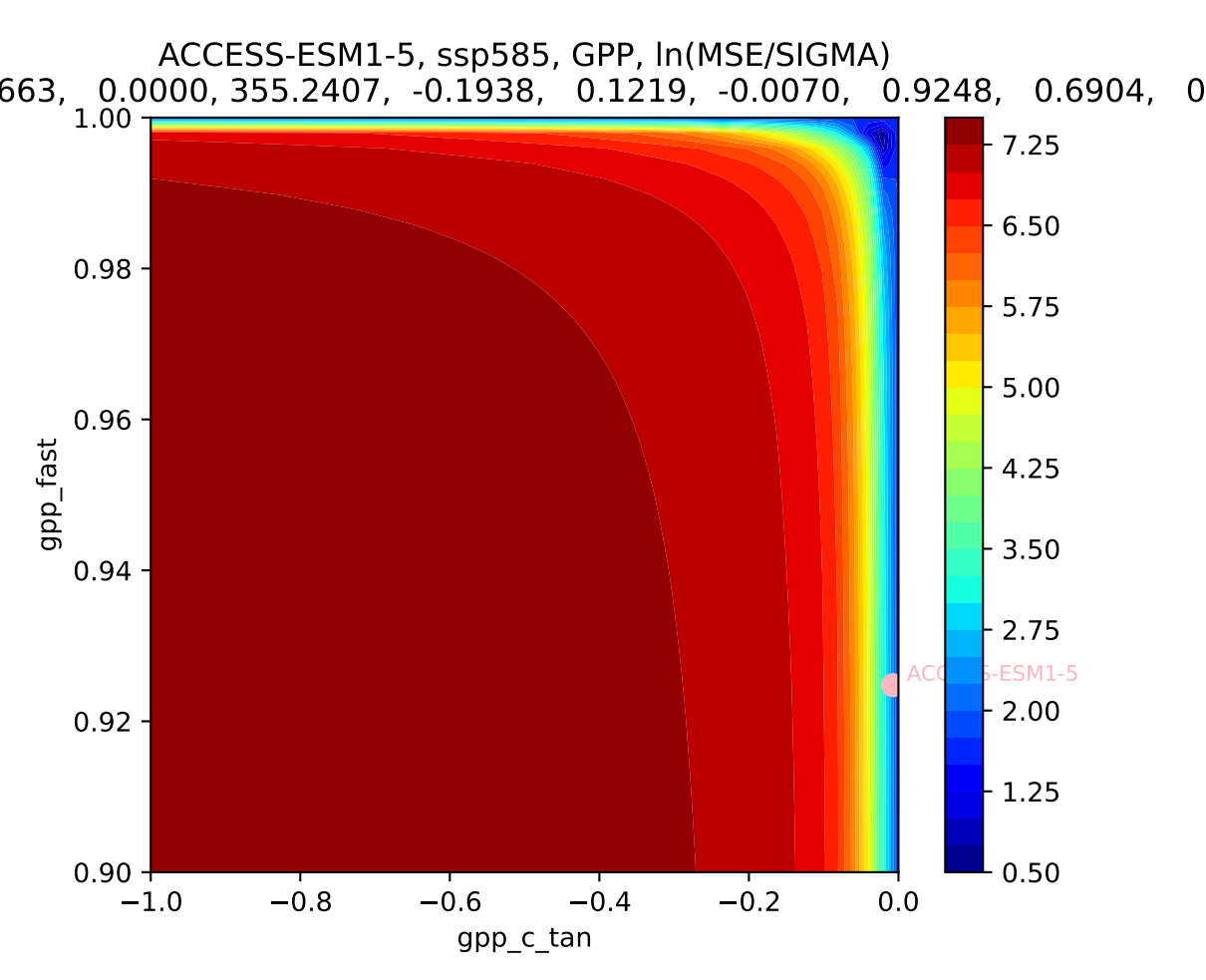

ACCESS-ESM1-5, ssp585, GPP
ESM
Fit
GPP
c_atm

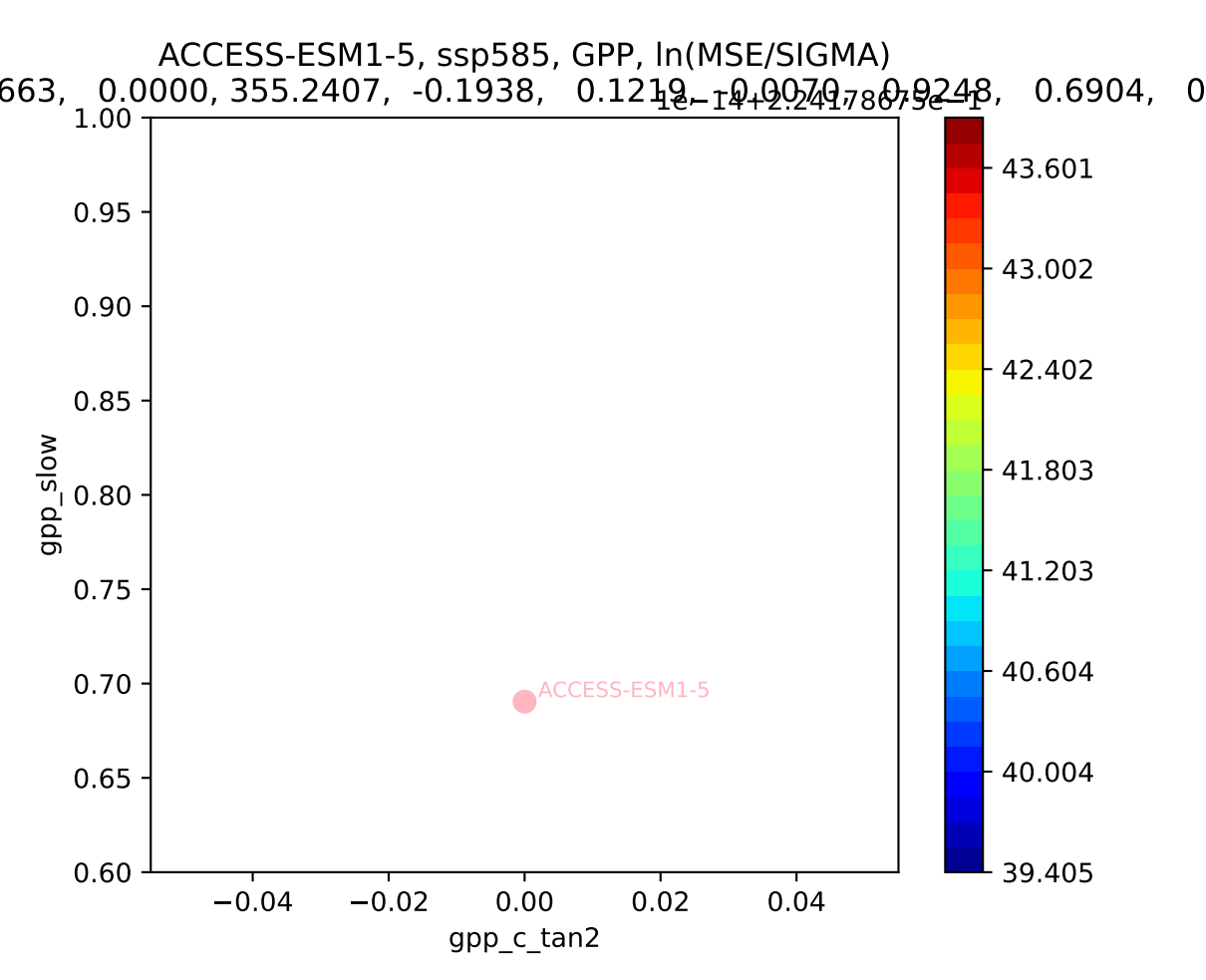

ACCESS-ESM1-5, ssp585, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

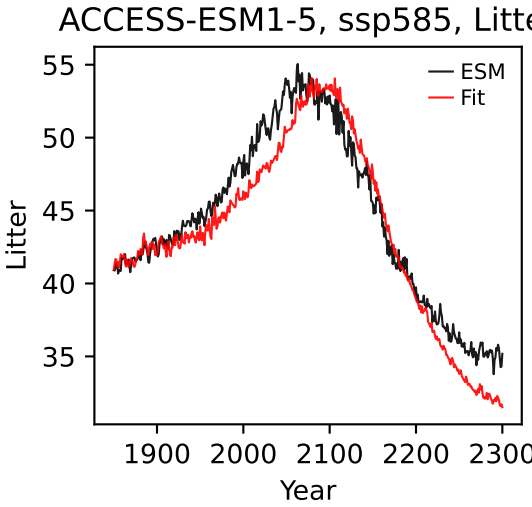

ACCESS-ESM1-5, ssp585, GPP, ln(MSE/SIGMA)
663, 0.0000, 355.2407, -0.1938, 0.1219, -0.0070, 0.9248, 0.6904, 0
ACCESS-ESM1-5
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
10.25
9.50
8.75
8.00
7.25
6.50
5.75
5.00
4.25
3.50

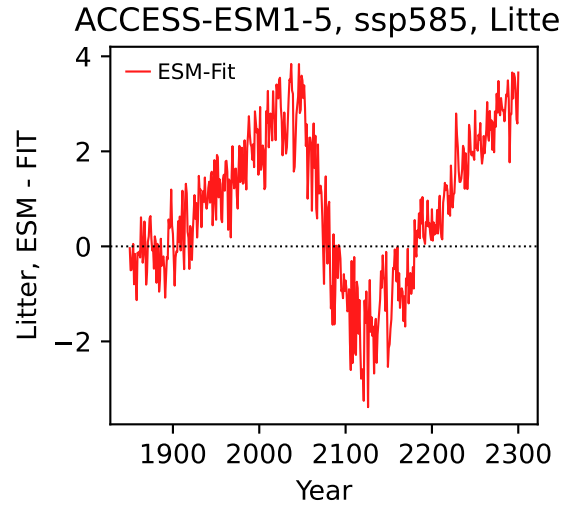

ACCESS-ESM1-5, ssp585, GPP, ln(MSE/SIGMA)
663, 0.0000, 355.2407, -0.1938, 0.1219, -0.0070, 0.9248, 0.6904, 0
gpp_c_e
gpp_c_l
0
−1
−2
−3
−4
−5
7
6
5
4
3
2
1
0

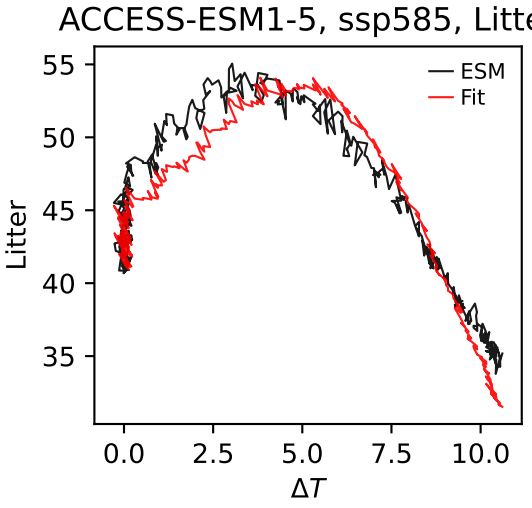

ACCESS-ESM1-5, ssp585, GPP, ln(MSE/SIGMA)
663, 0.0000, 355.2407, -0.1938, 0.1219, -0.0070, 0.9248, 0.6904, 0
ACCESS-ESM1-5
gpp_hyst
gpp_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
8.7
7.5
6.3
5.1
3.9
2.7
1.5
0.3

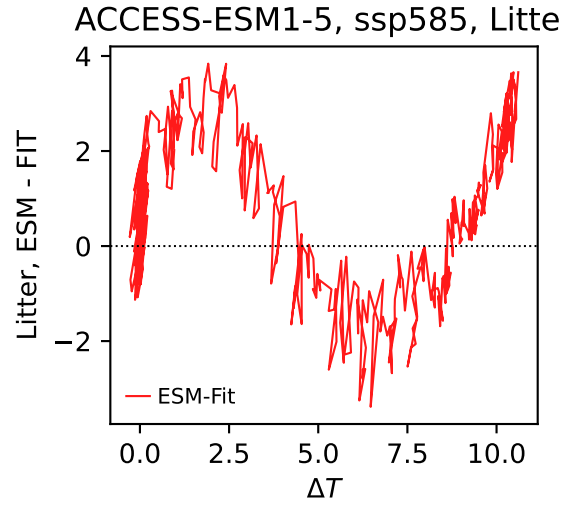

ACCESS-ESM1-5, ssp585, GPP, ln(MSE/SIGMA)
663, 0.0000, 355.2407, -0.1938, 0.1219, -0.0070, 0.9248, 0.6904, 0
1.00
0.98
0.96
0.94
0.92
0.90
gpp_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
gpp_c_tan
7.25
6.50
5.75
5.00
4.25
3.50
2.75
2.00
1.25
0.50

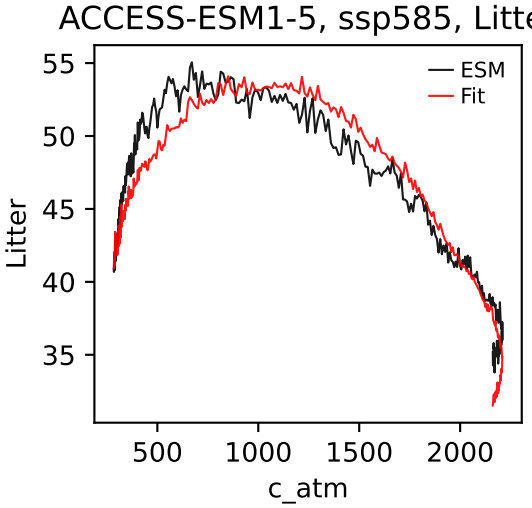

ACCESS-ESM1-5, ssp585, GPP, ln(MSE/SIGMA)
663, 0.0000, 355.2407, -0.1938, 0.1219, -0.0070, 0.9248, 0.6904, 0
1e−14+2.241786e−1
43.601
43.002
42.402
41.803
41.203
40.604
40.004
39.405
gpp_slow
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
gpp_c_tan2

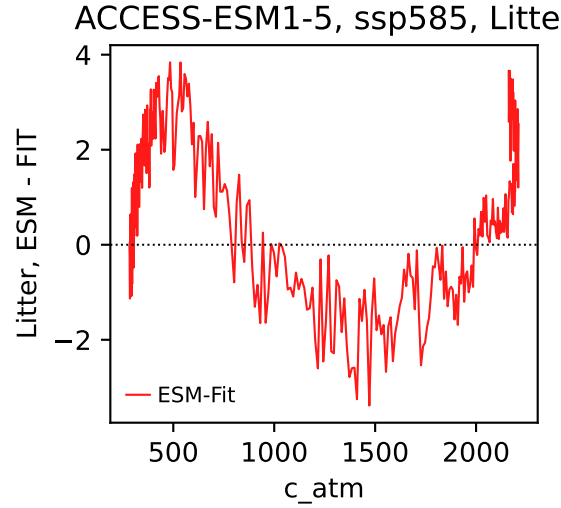

ACCESS-ESM1-5, ssp585, Litter
ESM
Fit
Litter
Year

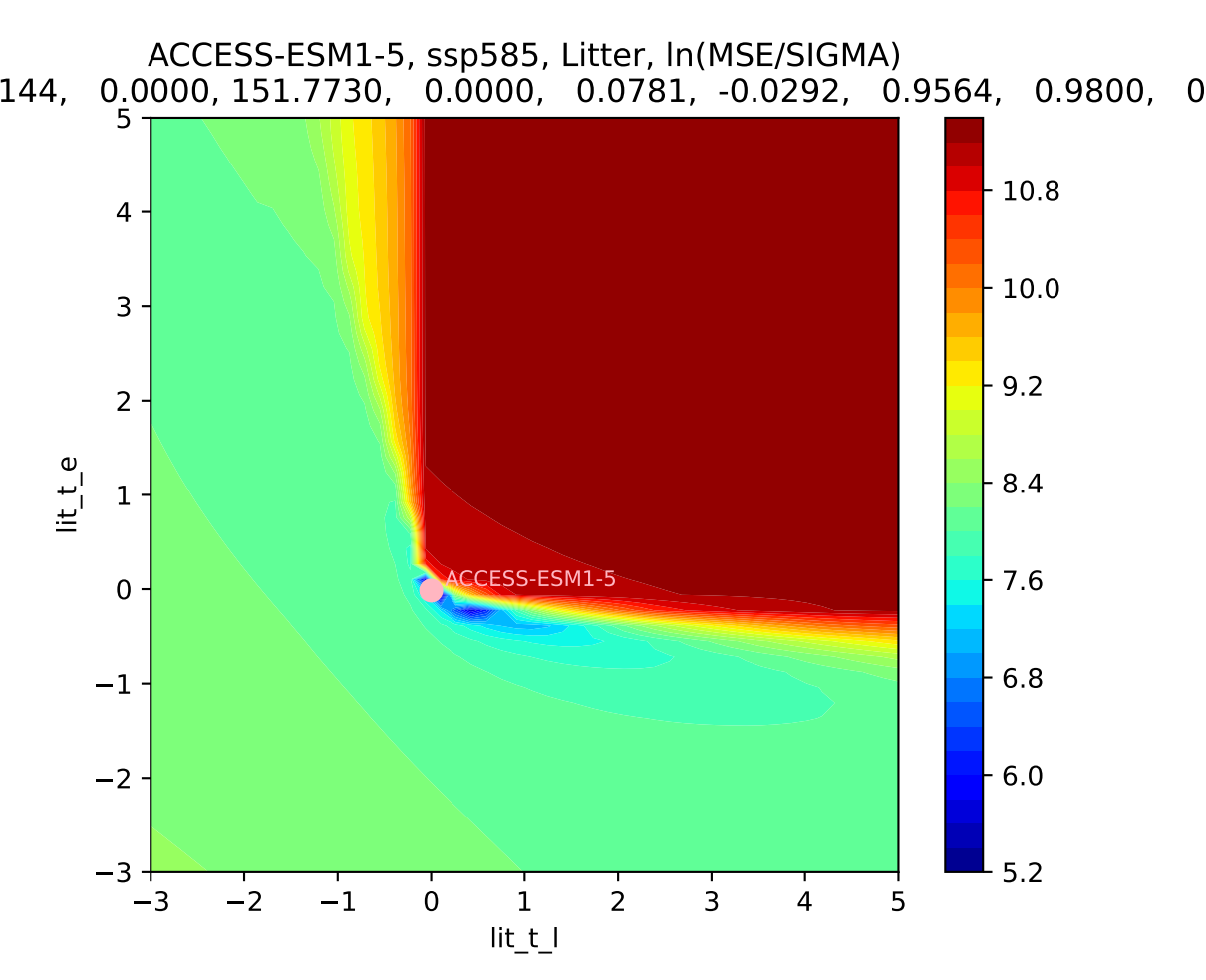

ACCESS-ESM1-5, ssp585, Litter
ESM-Fit
Litter, ESM - FIT
Year

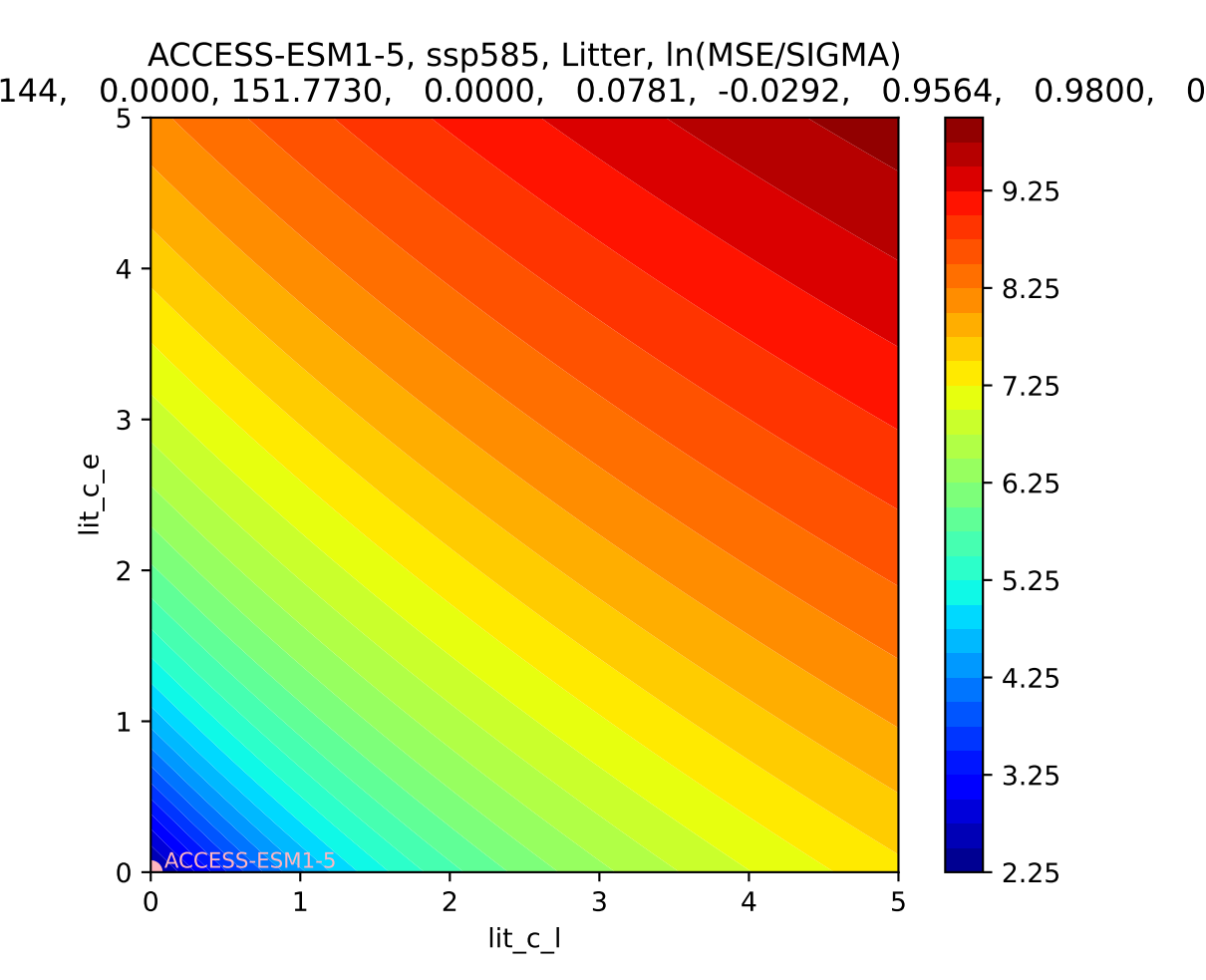

ACCESS-ESM1-5, ssp585, Litter
ESM
Fit
Litter
ΔT

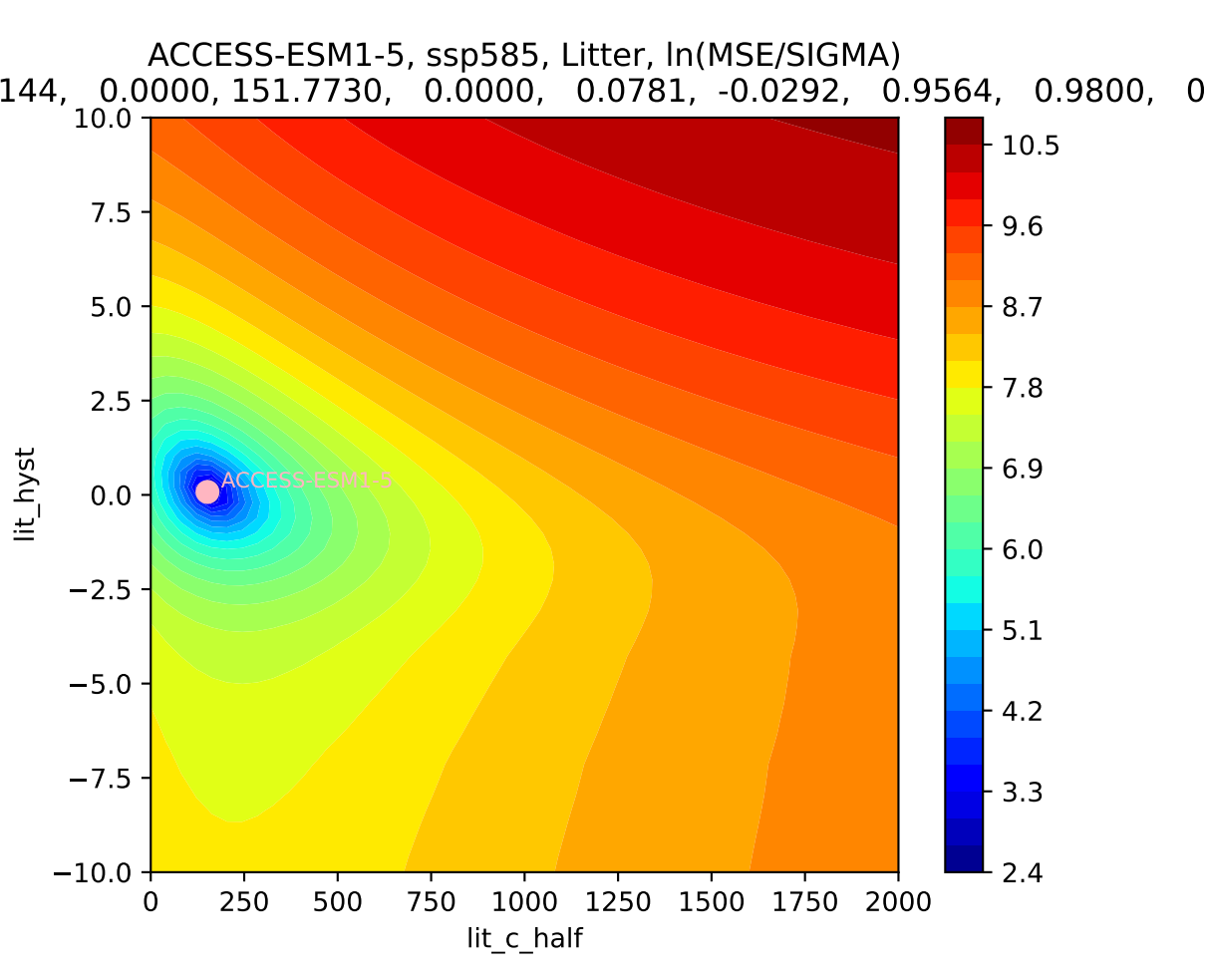

ACCESS-ESM1-5, ssp585, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

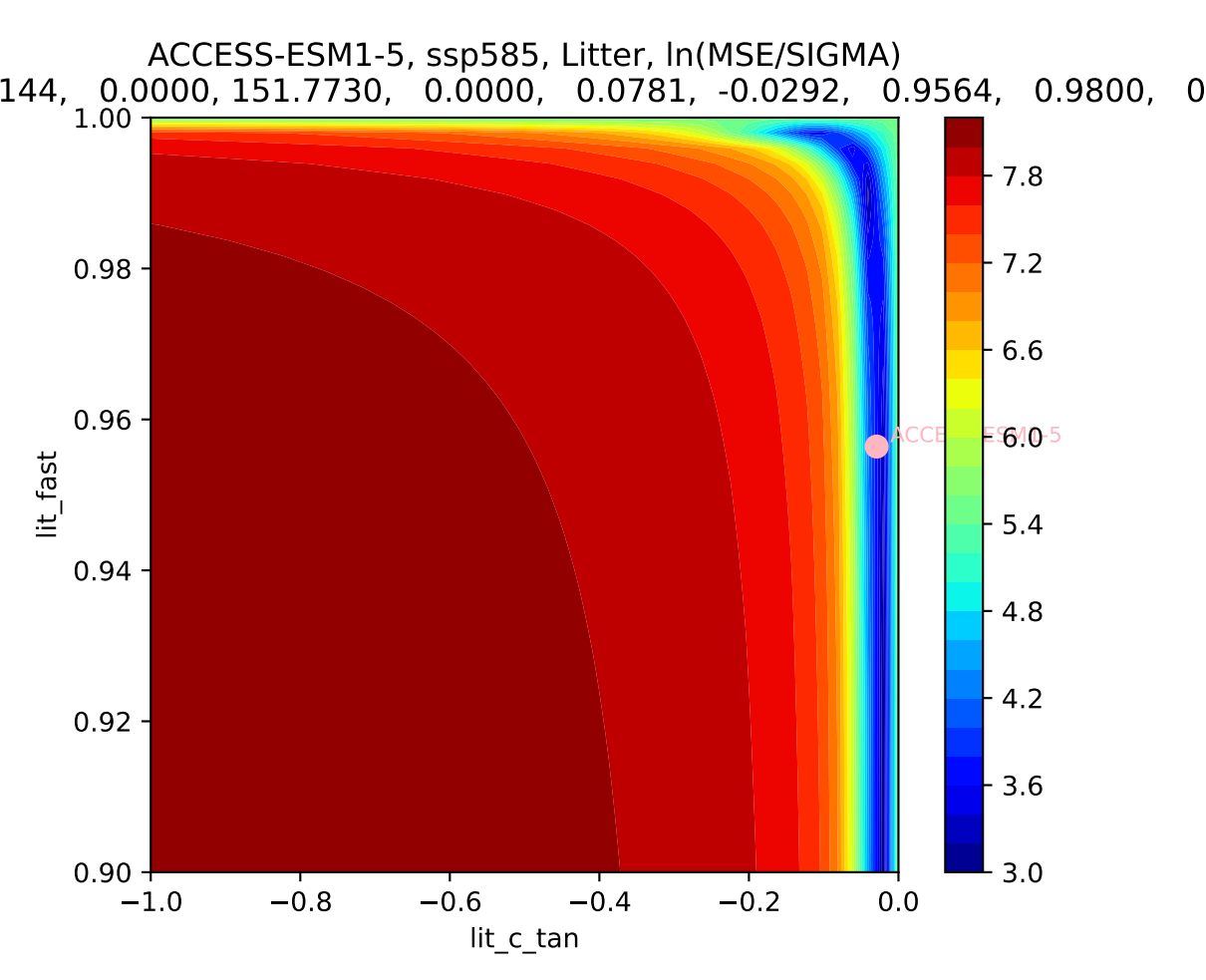

ACCESS-ESM1-5, ssp585, Litter
ESM
Fit
Litter
c_atm

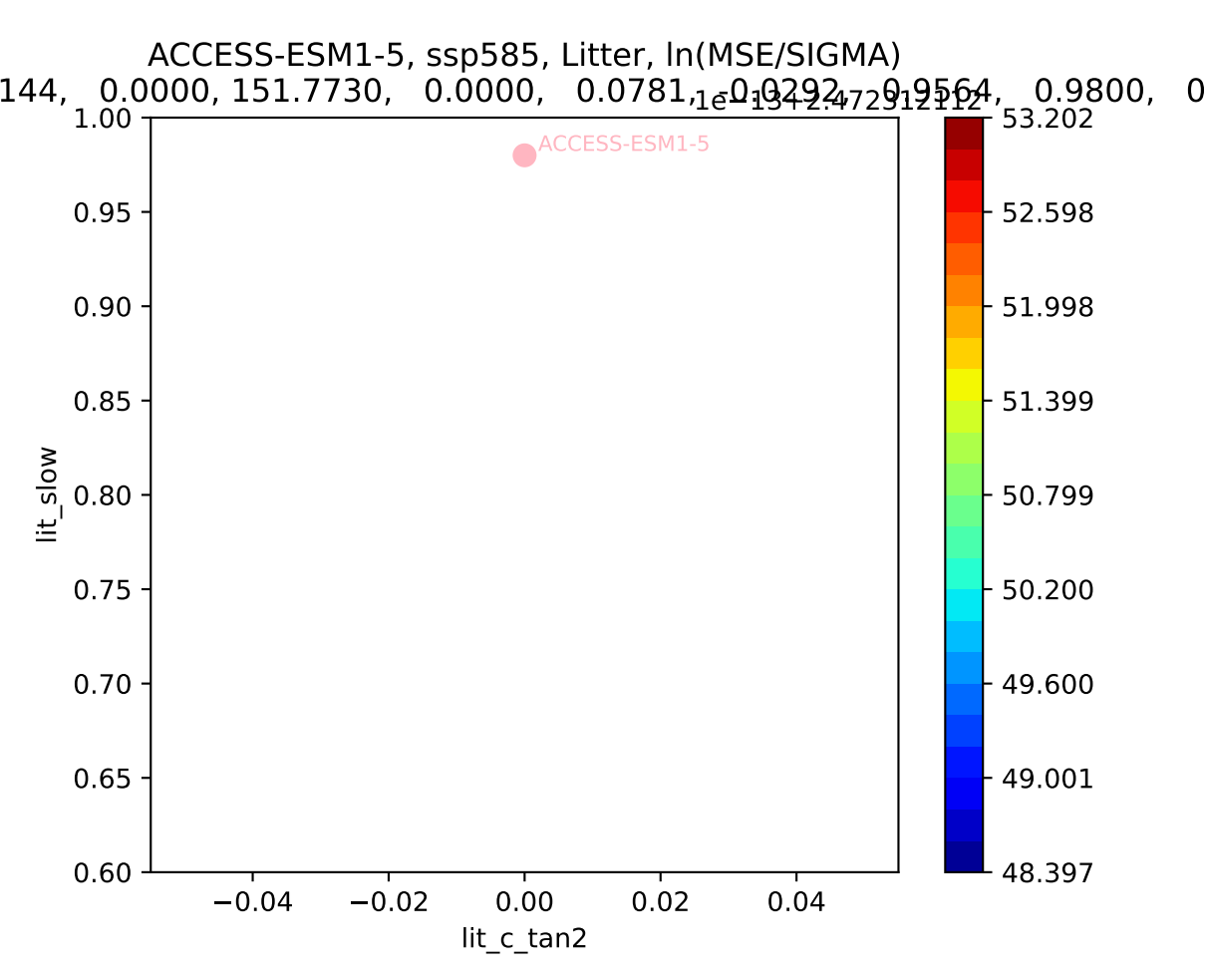

ACCESS-ESM1-5, ssp585, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

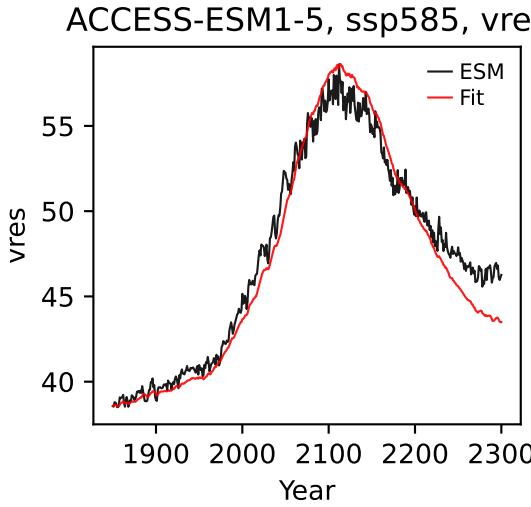

ACCESS-ESM1-5, ssp585, Litter, ln(MSE/SIGMA)
144, 0.0000, 151.7730, 0.0000, 0.0781, -0.0292, 0.9564, 0.9800, 0
ACCESS-ESM1-5
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
10.8
10.0
9.2
8.4
7.6
6.8
6.0
5.2

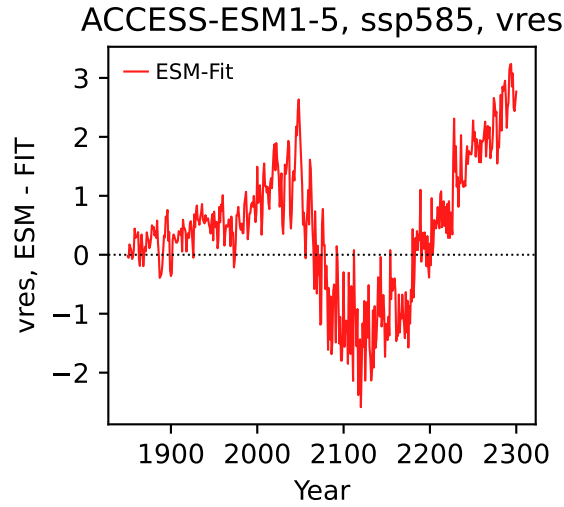

ACCESS-ESM1-5, ssp585, Litter, ln(MSE/SIGMA)
144, 0.0000, 151.7730, 0.0000, 0.0781, -0.0292, 0.9564, 0.9800, 0
lit_c_e
lit_c_l
ACCESS-ESM1-5
0
1
2
3
4
5
9.25
8.25
7.25
6.25
5.25
4.25
3.25
2.25

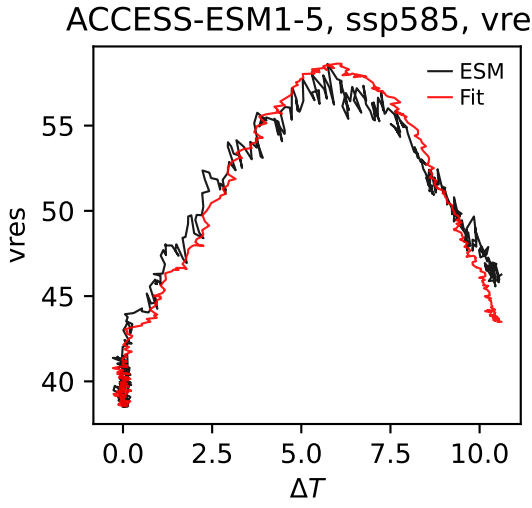

ACCESS-ESM1-5, ssp585, Litter, ln(MSE/SIGMA)
144, 0.0000, 151.7730, 0.0000, 0.0781, -0.0292, 0.9564, 0.9800, 0
ACCESS-ESM1-5
lit_hyst
lit_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.5
9.6
8.7
7.8
6.9
6.0
5.1
4.2
3.3
2.4

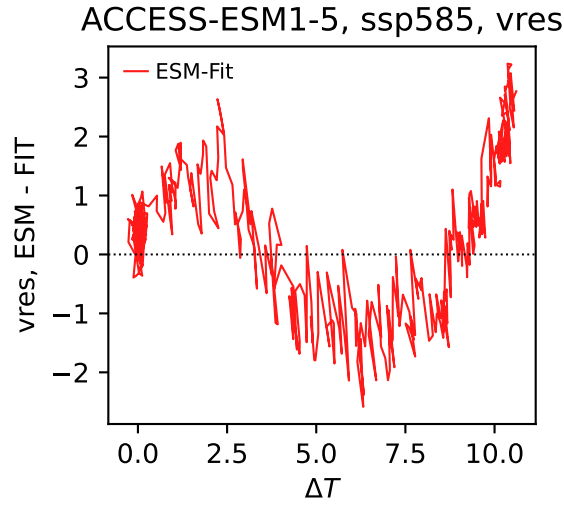

ACCESS-ESM1-5, ssp585, Litter, ln(MSE/SIGMA)
144, 0.0000, 151.7730, 0.0000, 0.0781, -0.0292, 0.9564, 0.9800, 0
1.00
0.98
0.96
0.94
0.92
0.90
lit_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
lit_c_tan
7.8
7.2
6.6
6.0
5.4
4.8
4.2
3.6
3.0

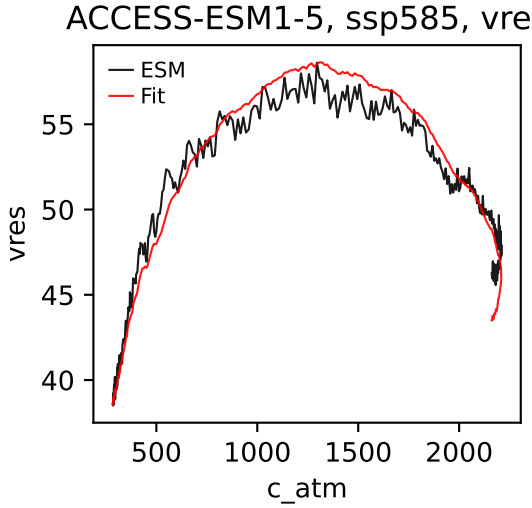

ACCESS-ESM1-5, ssp585, Litter, ln(MSE/SIGMA)
144, 0.0000, 151.7730, 0.0000, 0.0781, -0.0292, 0.9564, 0.9800, 0
1e−13+2.472512112
ACCESS-ESM1-5
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
−0.04
−0.02
0.00
0.02
0.04
lit_c_tan2
53.202
52.598
51.998
51.399
50.799
50.200
49.600
49.001
48.397

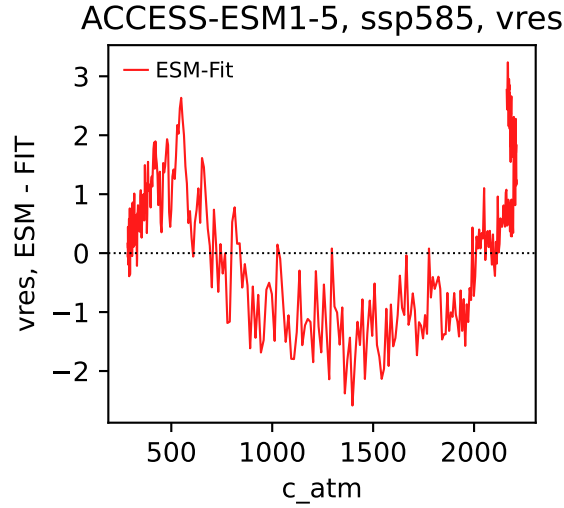

ACCESS-ESM1-5, ssp585, vres
ESM
Fit
vres
Year

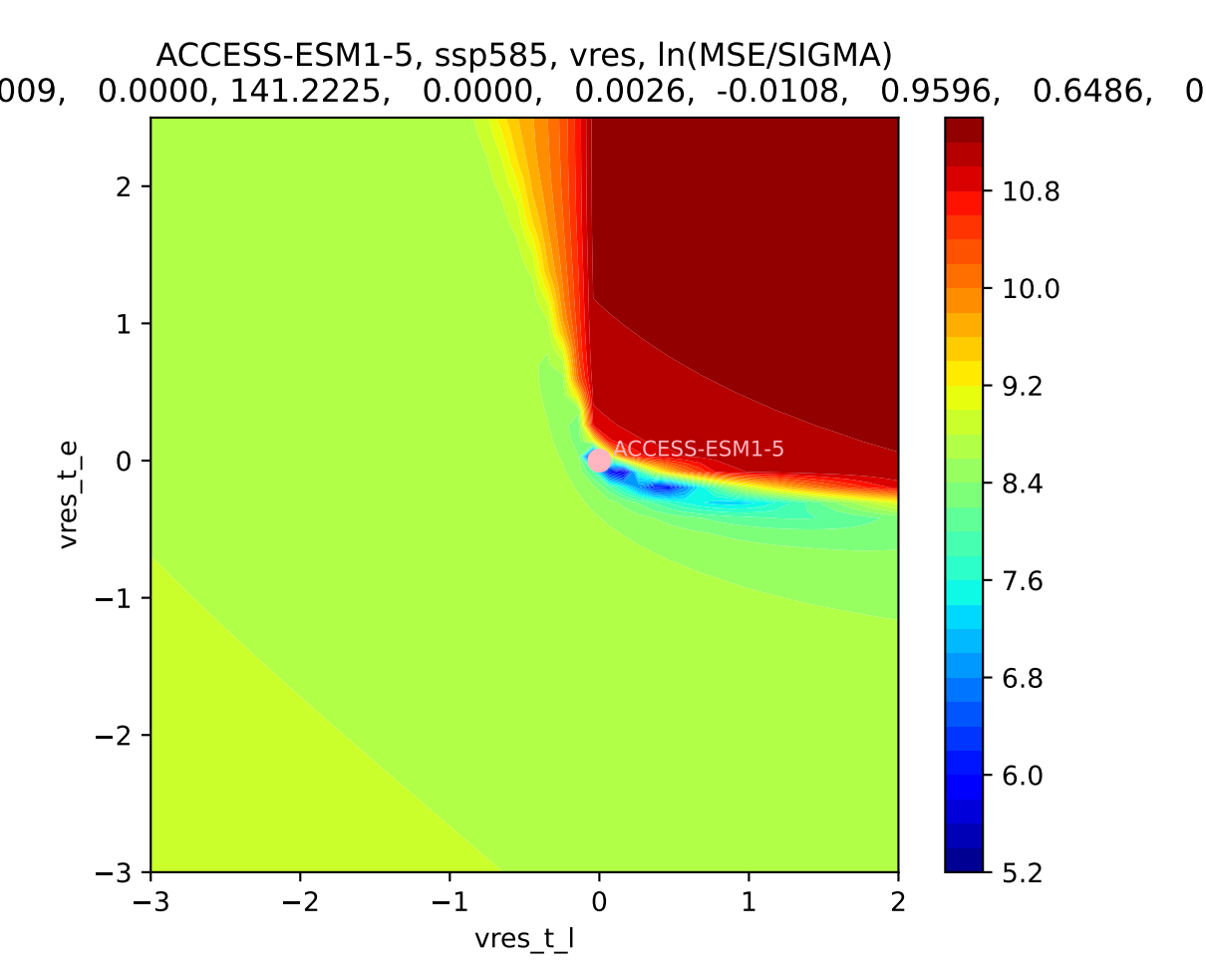

ACCESS-ESM1-5, ssp585, vres
ESM-Fit
vres, ESM - FIT
Year

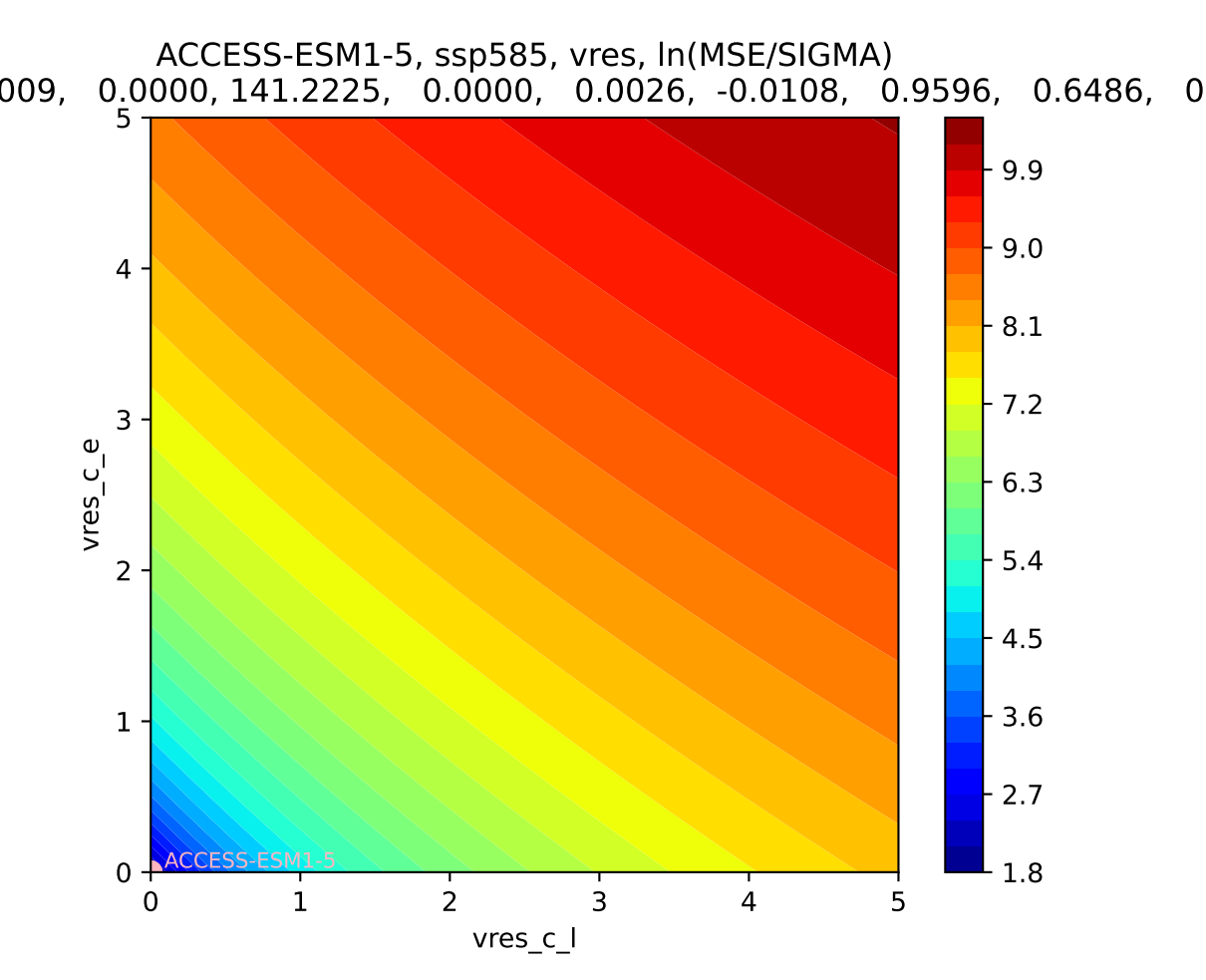

ACCESS-ESM1-5, ssp585, vres
ESM
Fit
vres
ΔT

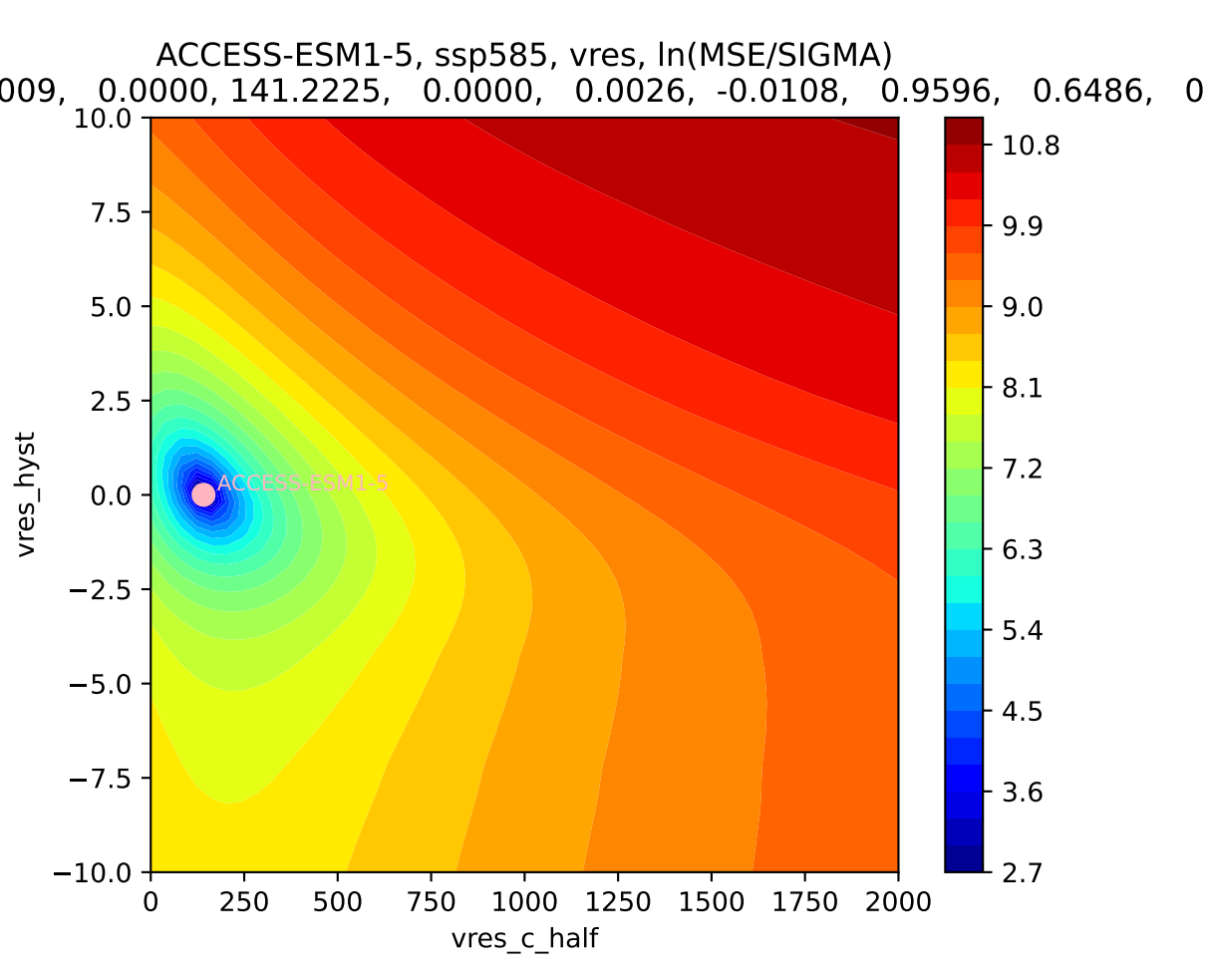

ACCESS-ESM1-5, ssp585, vres
ESM-Fit
vres, ESM - FIT
ΔT

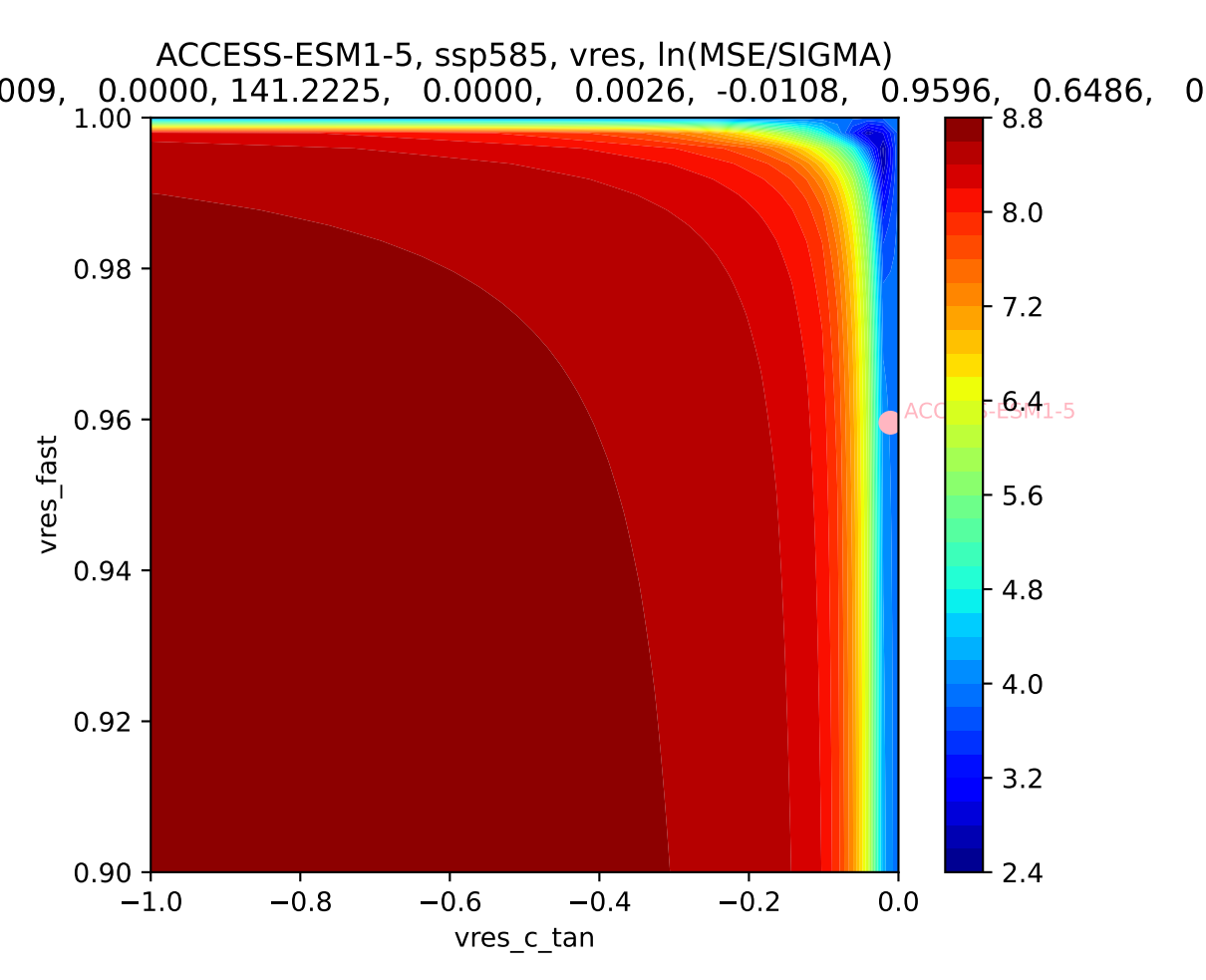

ACCESS-ESM1-5, ssp585, vres
ESM
Fit
vres
c_atm

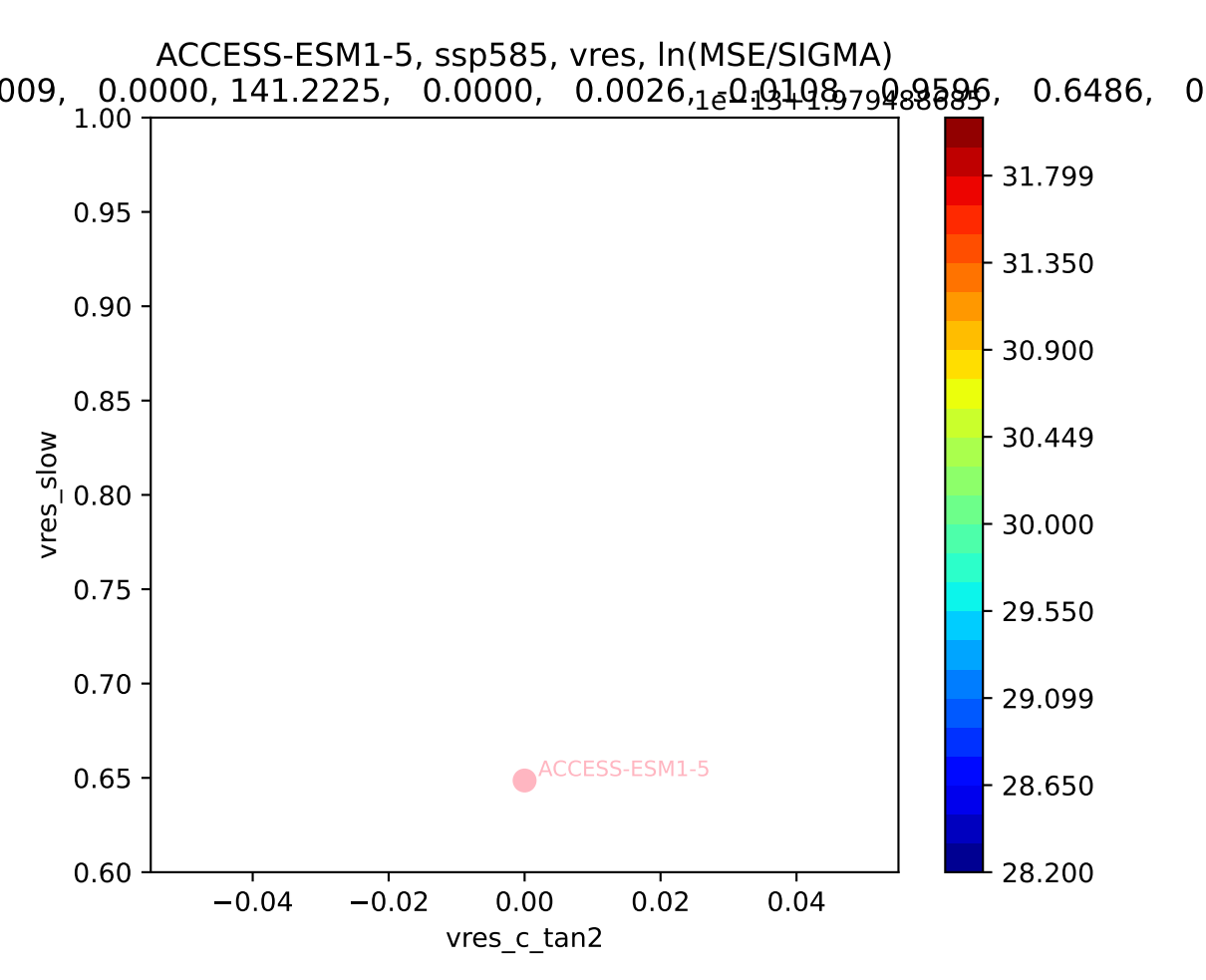

ACCESS-ESM1-5, ssp585, vres
ESM-Fit
vres, ESM - FIT
c_atm

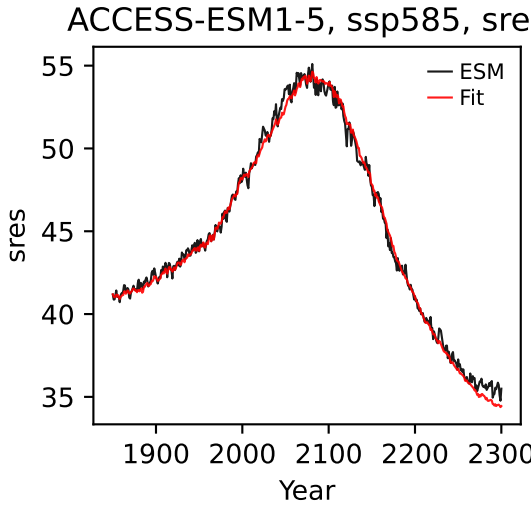

ACCESS-ESM1-5, ssp585, vres, ln(MSE/SIGMA)
009, 0.0000, 141.2225, 0.0000, 0.0026, -0.0108, 0.9596, 0.6486, 0
ACCESS-ESM1-5
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
10.8
10.0
9.2
8.4
7.6
6.8
6.0
5.2

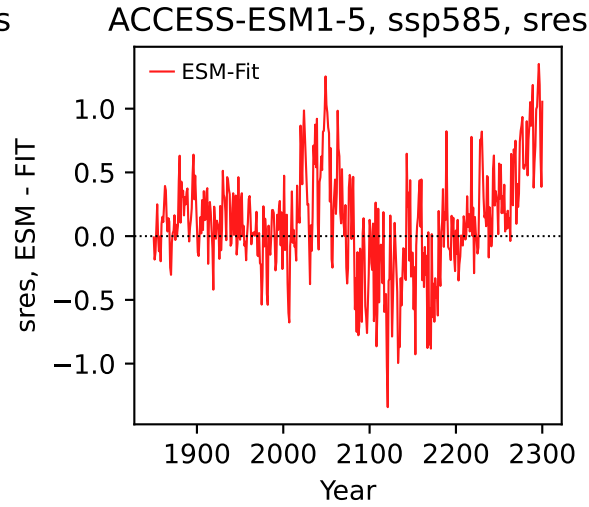

ACCESS-ESM1-5, ssp585, vres, ln(MSE/SIGMA)
009, 0.0000, 141.2225, 0.0000, 0.0026, -0.0108, 0.9596, 0.6486, 0
vres_c_e
vres_c_l
ACCESS-ESM1-5
0
1
2
3
4
5
9.9
9.0
8.1
7.2
6.3
5.4
4.5
3.6
2.7
1.8

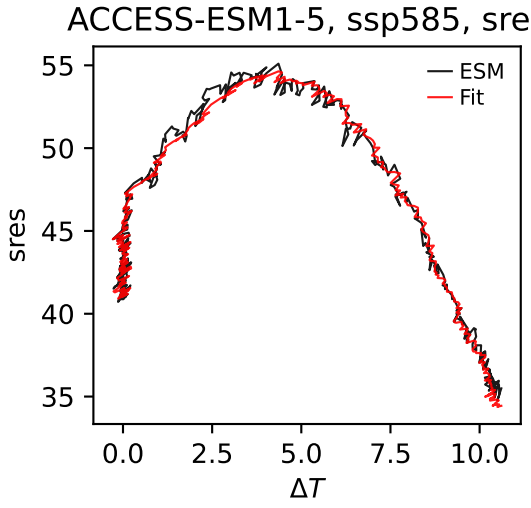

ACCESS-ESM1-5, ssp585, vres, ln(MSE/SIGMA)
009, 0.0000, 141.2225, 0.0000, 0.0026, -0.0108, 0.9596, 0.6486, 0
ACCESS-ESM1-5
vres_hyst
vres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.8
9.9
9.0
8.1
7.2
6.3
5.4
4.5
3.6
2.7

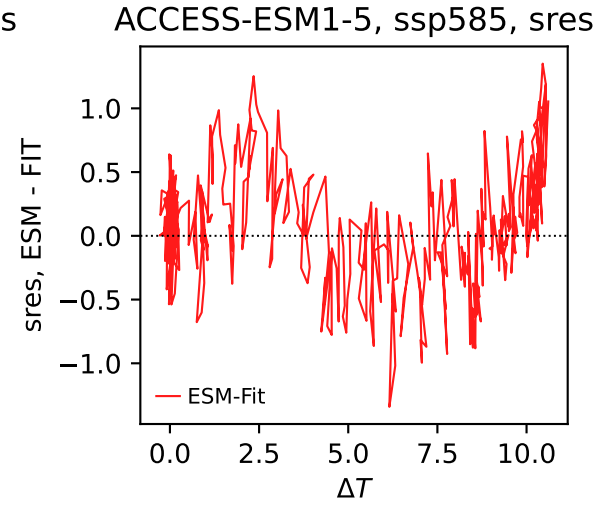

ACCESS-ESM1-5, ssp585, vres, ln(MSE/SIGMA)
009, 0.0000, 141.2225, 0.0000, 0.0026, -0.0108, 0.9596, 0.6486, 0
1.00
0.98
0.96
0.94
0.92
0.90
vres_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
vres_c_tan
8.8
8.0
7.2
6.4
5.6
4.8
4.0
3.2
2.4

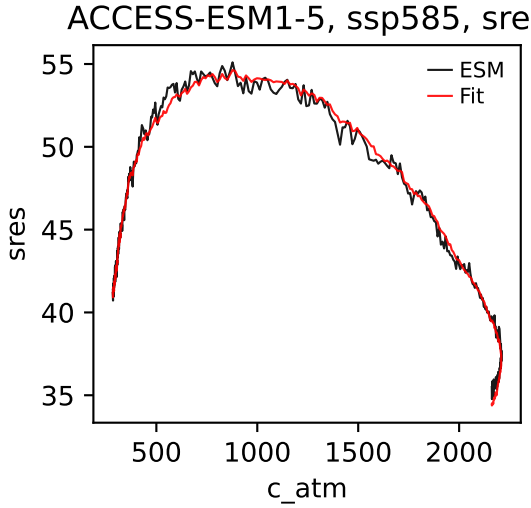

ACCESS-ESM1-5, ssp585, vres, ln(MSE/SIGMA)
009, 0.0000, 141.2225, 0.0000, 0.0026, -0.0108, 0.9596, 0.6486, 0
1e−13+1.979488685
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
−0.04
−0.02
0.00
0.02
0.04
vres_c_tan2
ACCESS-ESM1-5
31.799
31.350
30.900
30.449
30.000
29.550
29.099
28.650
28.200

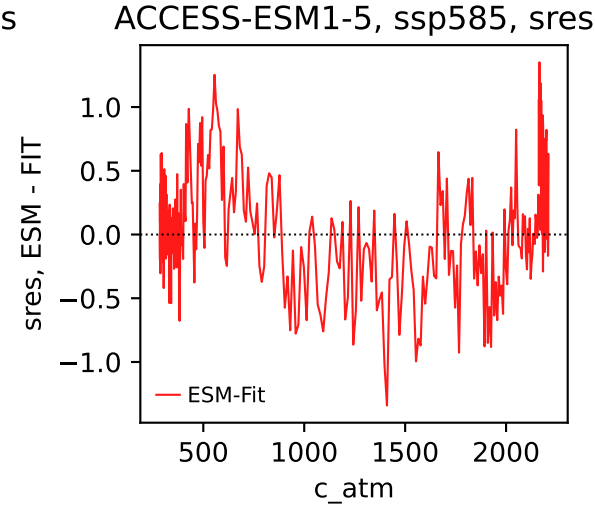

ACCESS-ESM1-5, ssp585, sres
ESM
Fit
sres
Year

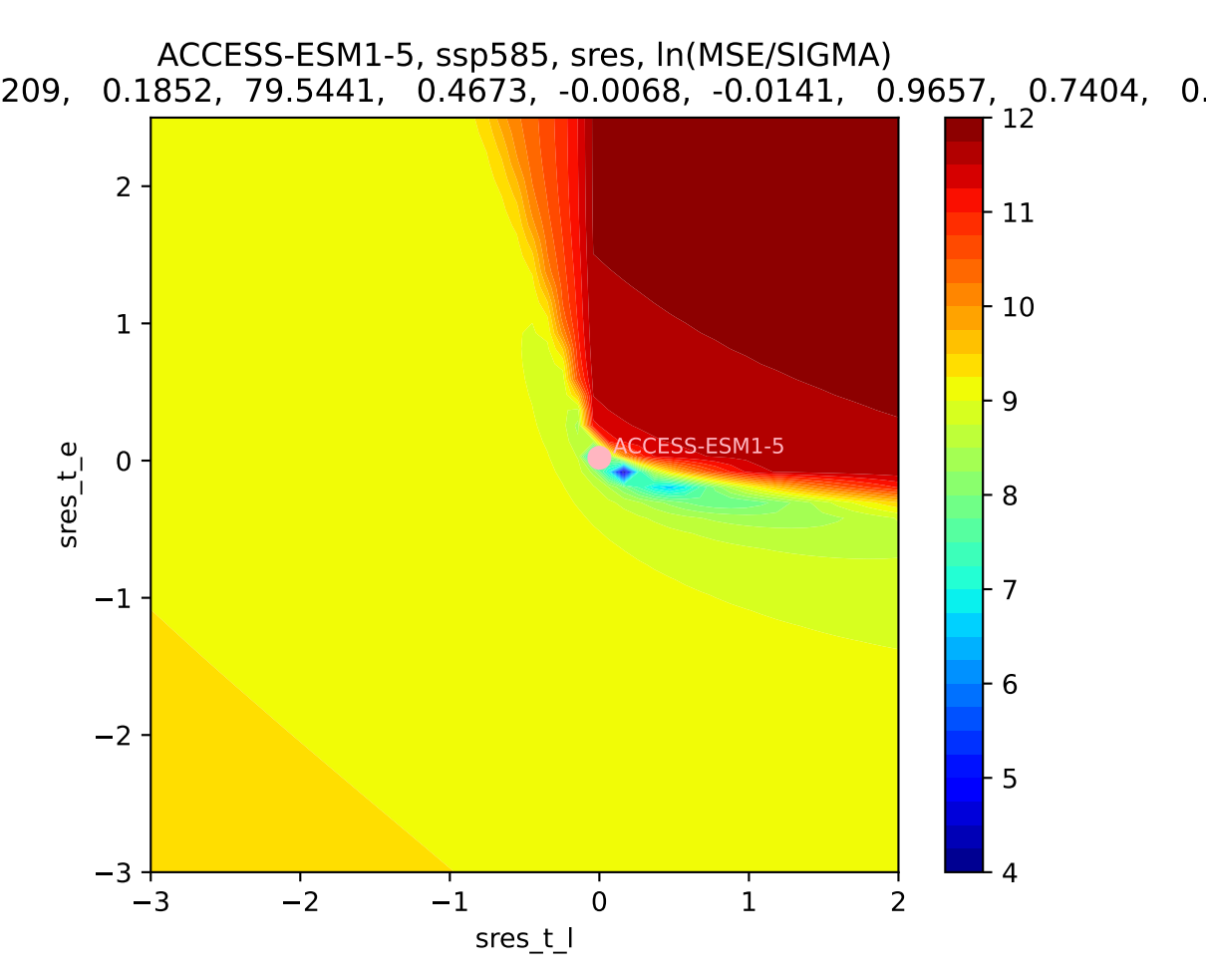

ACCESS-ESM1-5, ssp585, sres
ESM-Fit
sres, ESM - FIT
Year

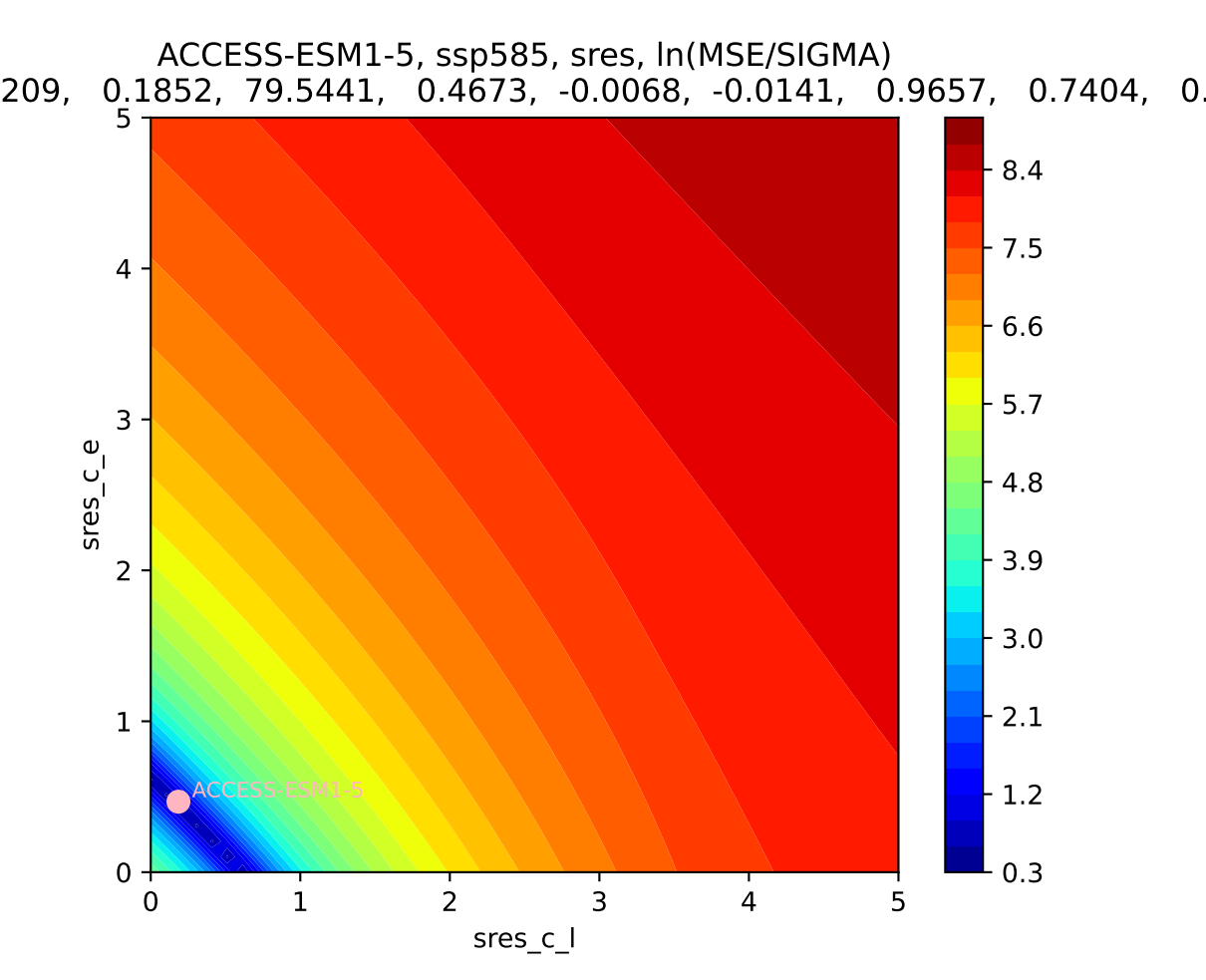

ACCESS-ESM1-5, ssp585, sres
ESM
Fit
sres
ΔT

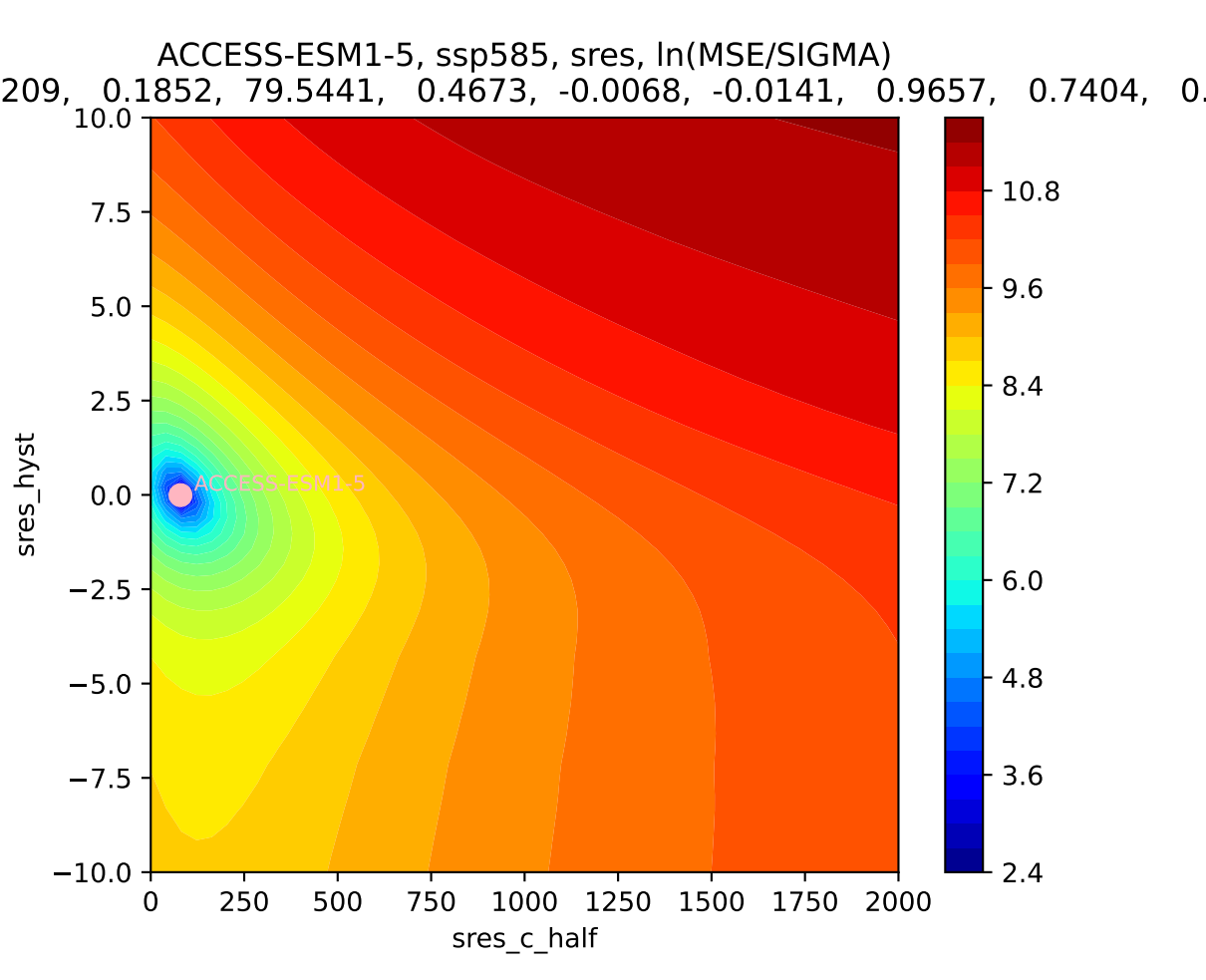

ACCESS-ESM1-5, ssp585, sres
ESM-Fit
sres, ESM - FIT
ΔT

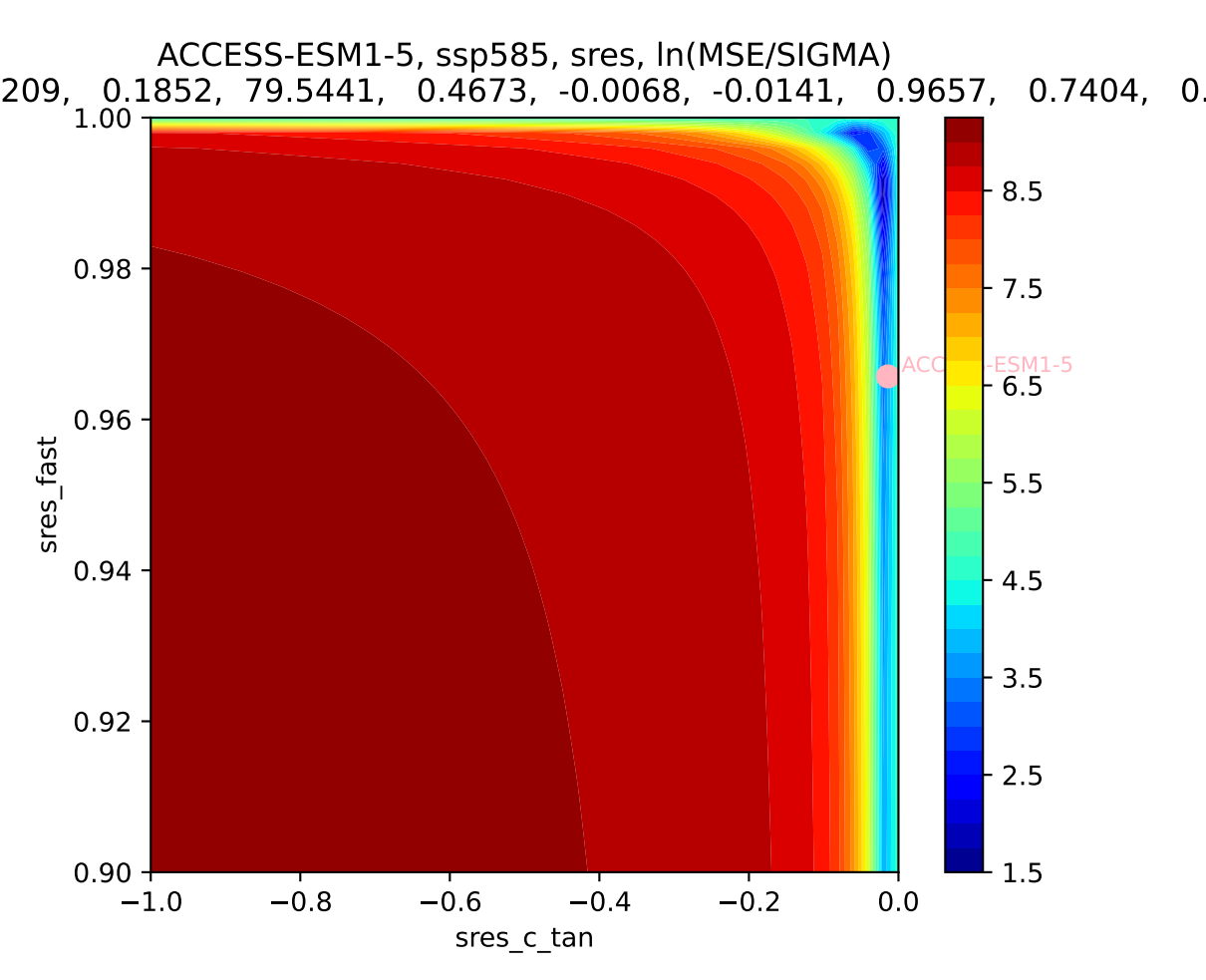

ACCESS-ESM1-5, ssp585, sres
ESM
Fit
sres
c_atm

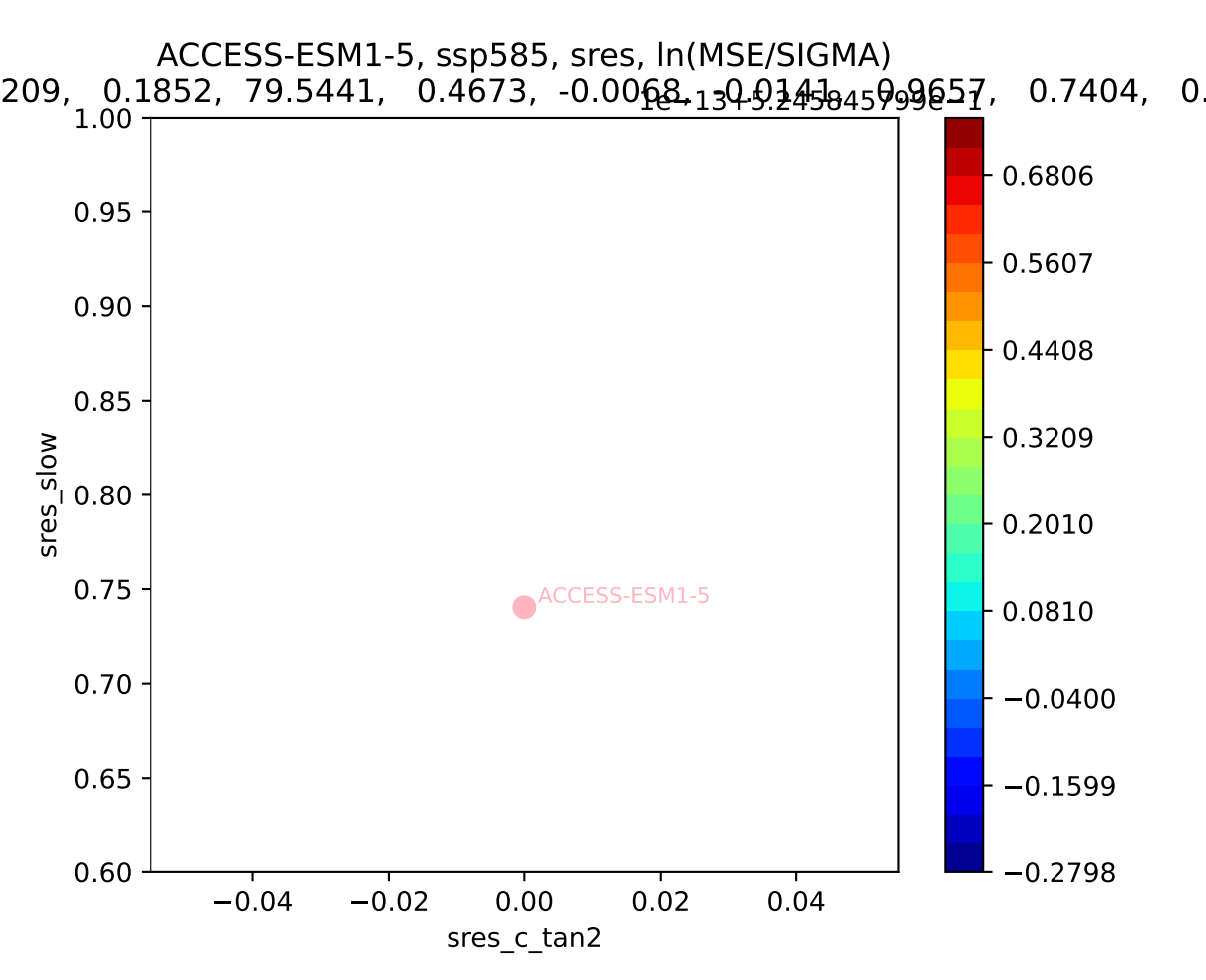

ACCESS-ESM1-5, ssp585, sres
ESM-Fit
sres, ESM - FIT
c_atm

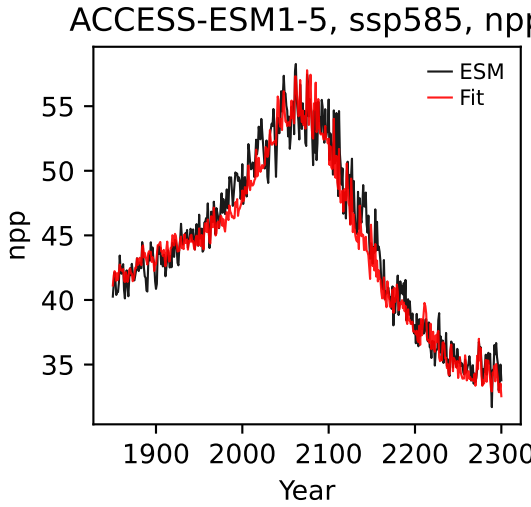

ACCESS-ESM1-5, ssp585, sres, ln(MSE/SIGMA)
209, 0.1852, 79.5441, 0.4673, -0.0068, -0.0141, 0.9657, 0.7404, 0.
ACCESS-ESM1-5
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
12
11
10
9
8
7
6
5
4

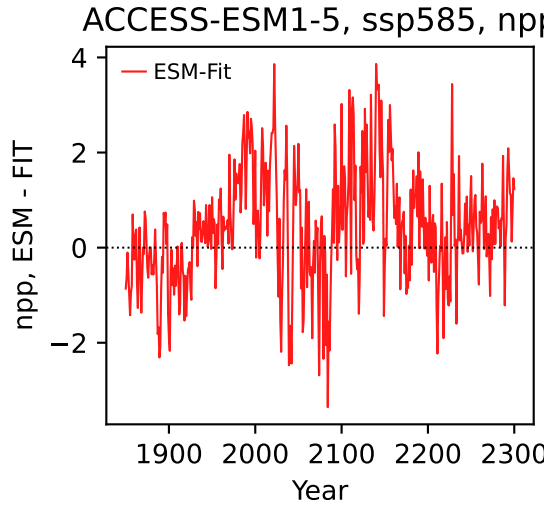

ACCESS-ESM1-5, ssp585, sres, ln(MSE/SIGMA)
209, 0.1852, 79.5441, 0.4673, -0.0068, -0.0141, 0.9657, 0.7404, 0.
sres_c_e
sres_c_l
ACCESS-ESM1-5
0
1
2
3
4
5
8.4
7.5
6.6
5.7
4.8
3.9
3.0
2.1
1.2
0.3

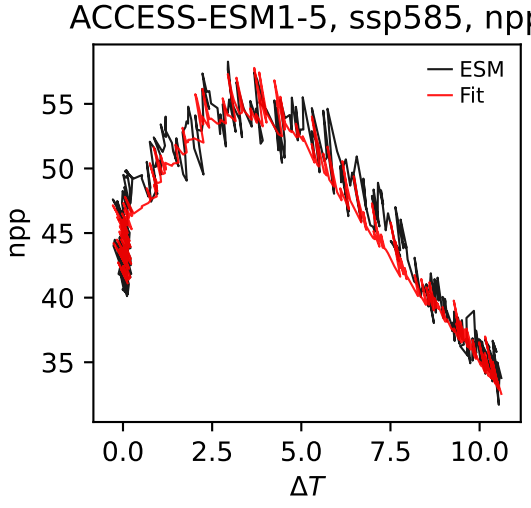

ACCESS-ESM1-5, ssp585, sres, ln(MSE/SIGMA)
209, 0.1852, 79.5441, 0.4673, -0.0068, -0.0141, 0.9657, 0.7404, 0.
ACCESS-ESM1-5
sres_hyst
sres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4

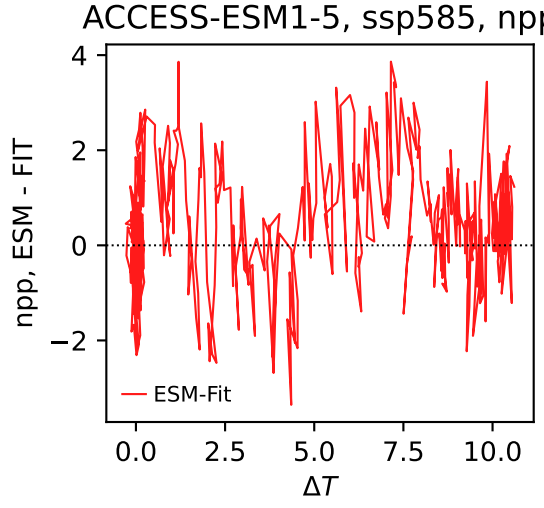

ACCESS-ESM1-5, ssp585, sres, ln(MSE/SIGMA)
209, 0.1852, 79.5441, 0.4673, -0.0068, -0.0141, 0.9657, 0.7404, 0.
1.00
0.98
0.96
0.94
0.92
0.90
sres_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
sres_c_tan
8.5
7.5
6.5
5.5
4.5
3.5
2.5
1.5

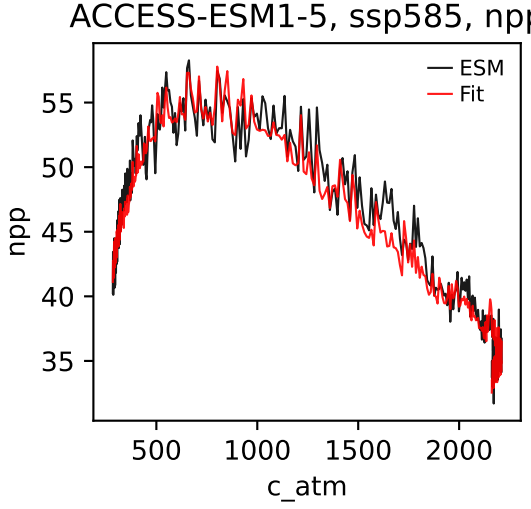

ACCESS-ESM1-5, ssp585, sres, ln(MSE/SIGMA)
209, 0.1852, 79.5441, 0.4673, -0.0068, -0.0141, 0.9657, 0.7404, 0.
1e+131+5.245845799e-1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
sres_c_tan2
0.6806
0.5607
0.4408
0.3209
0.2010
0.0810
−0.0400
−0.1599
−0.2798

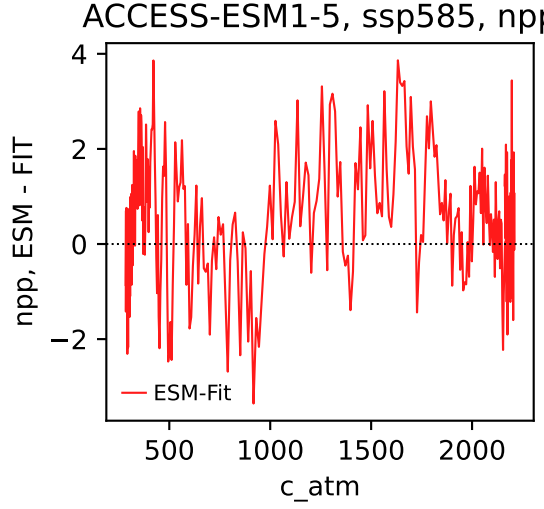

ACCESS-ESM1-5, ssp585, npp
ESM
Fit
npp
Year

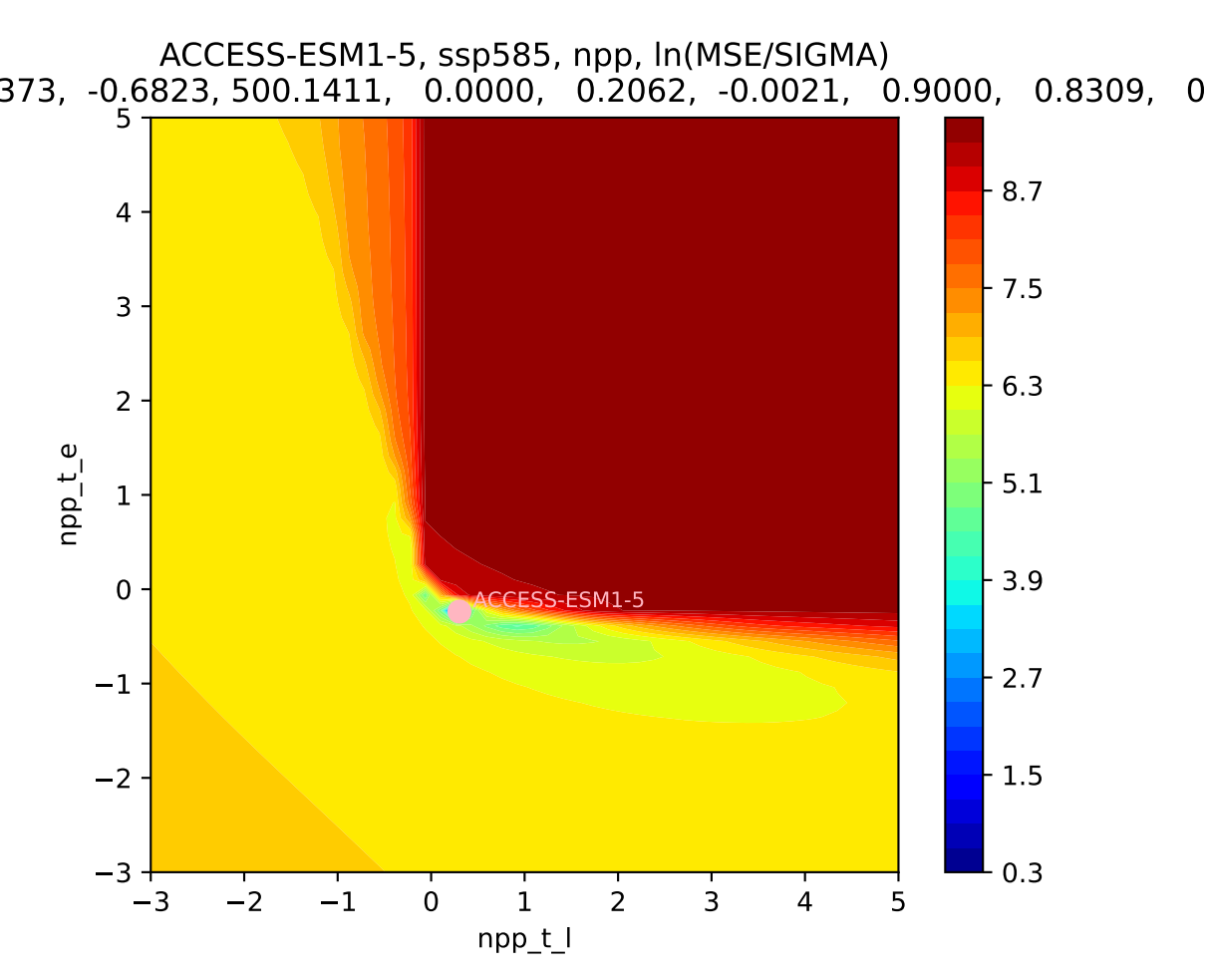

ACCESS-ESM1-5, ssp585, npp
ESM-Fit
npp, ESM - FIT
Year

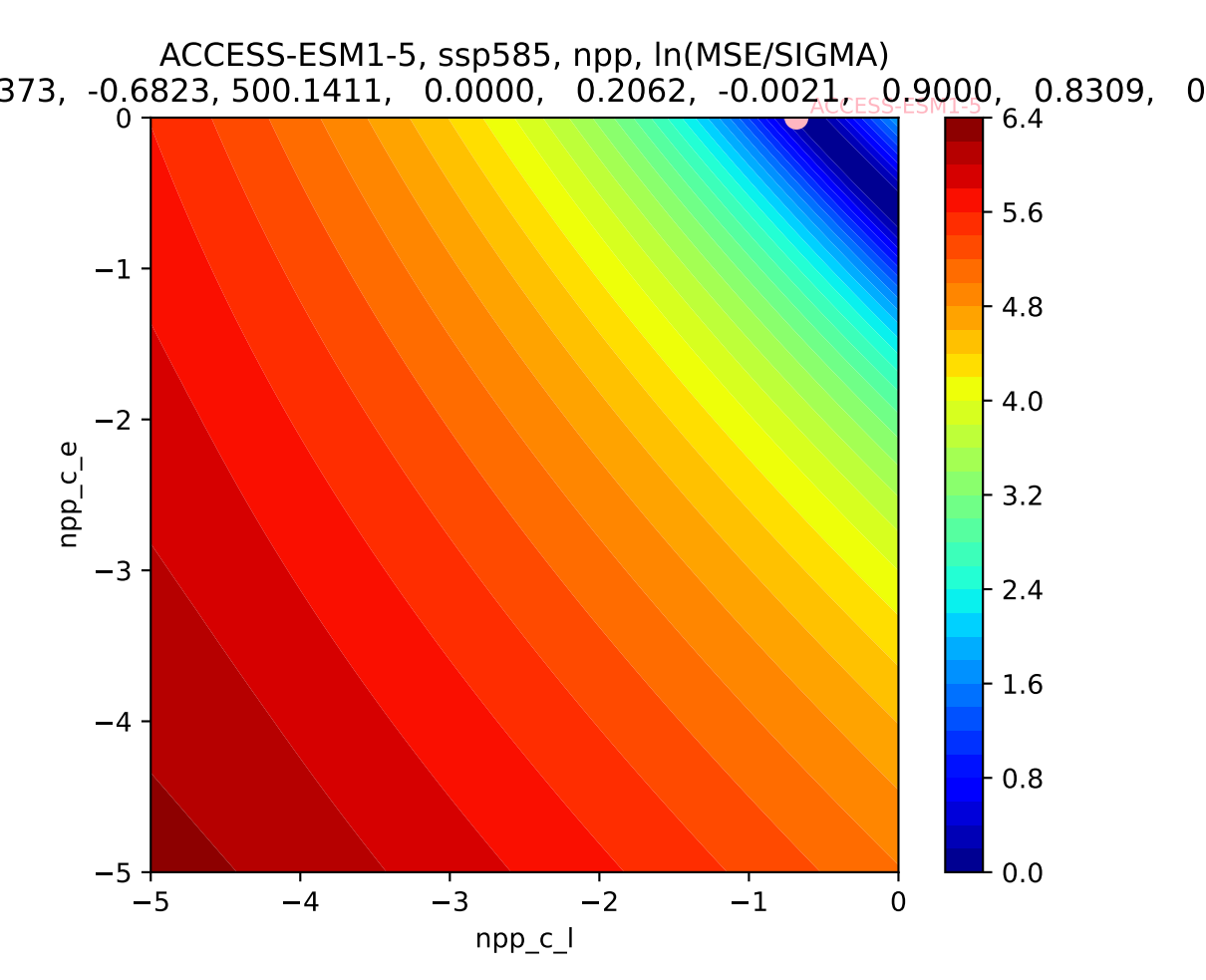

ACCESS-ESM1-5, ssp585, npp
ESM
Fit
npp
ΔT

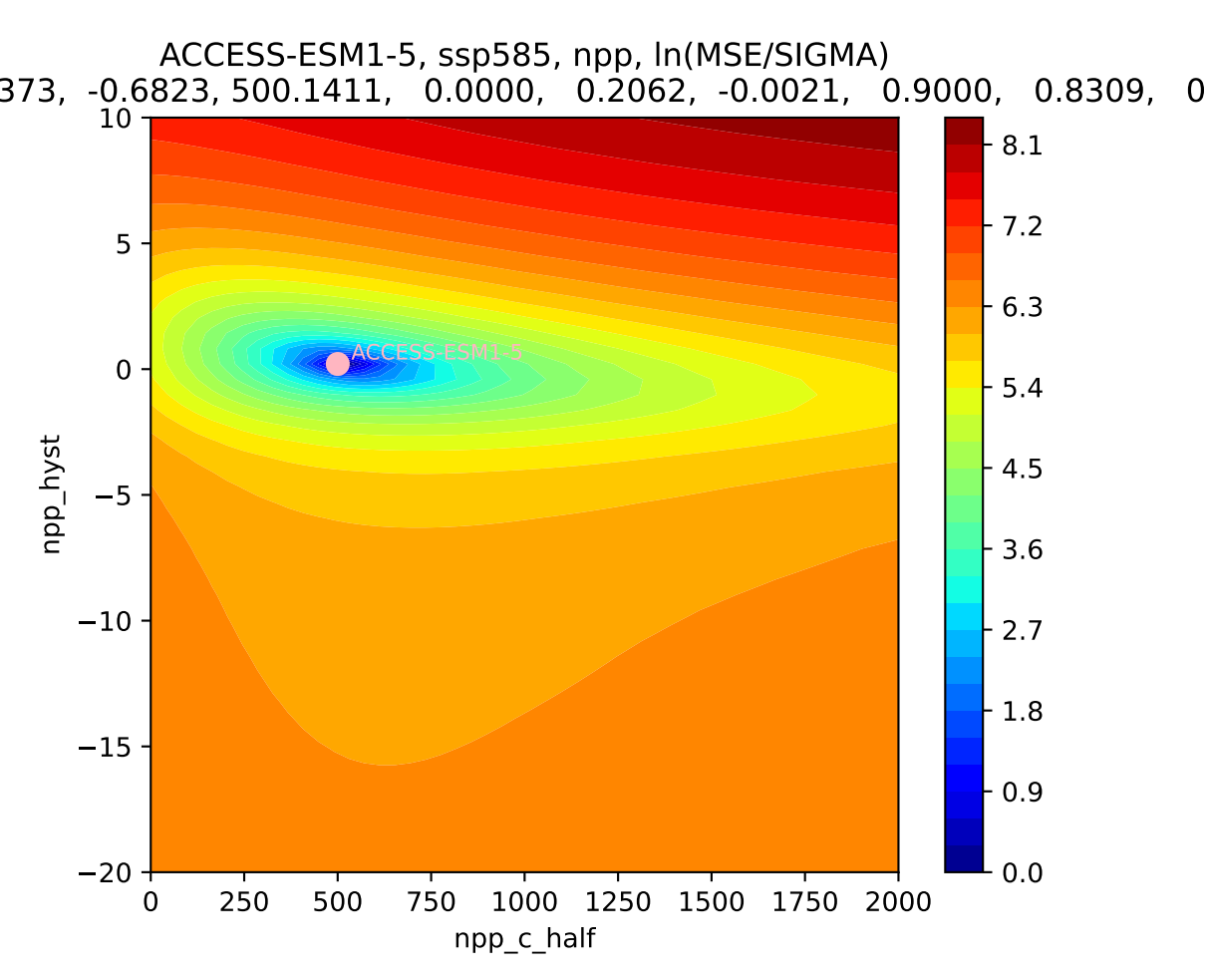

ACCESS-ESM1-5, ssp585, npp
ESM-Fit
npp, ESM - FIT
ΔT

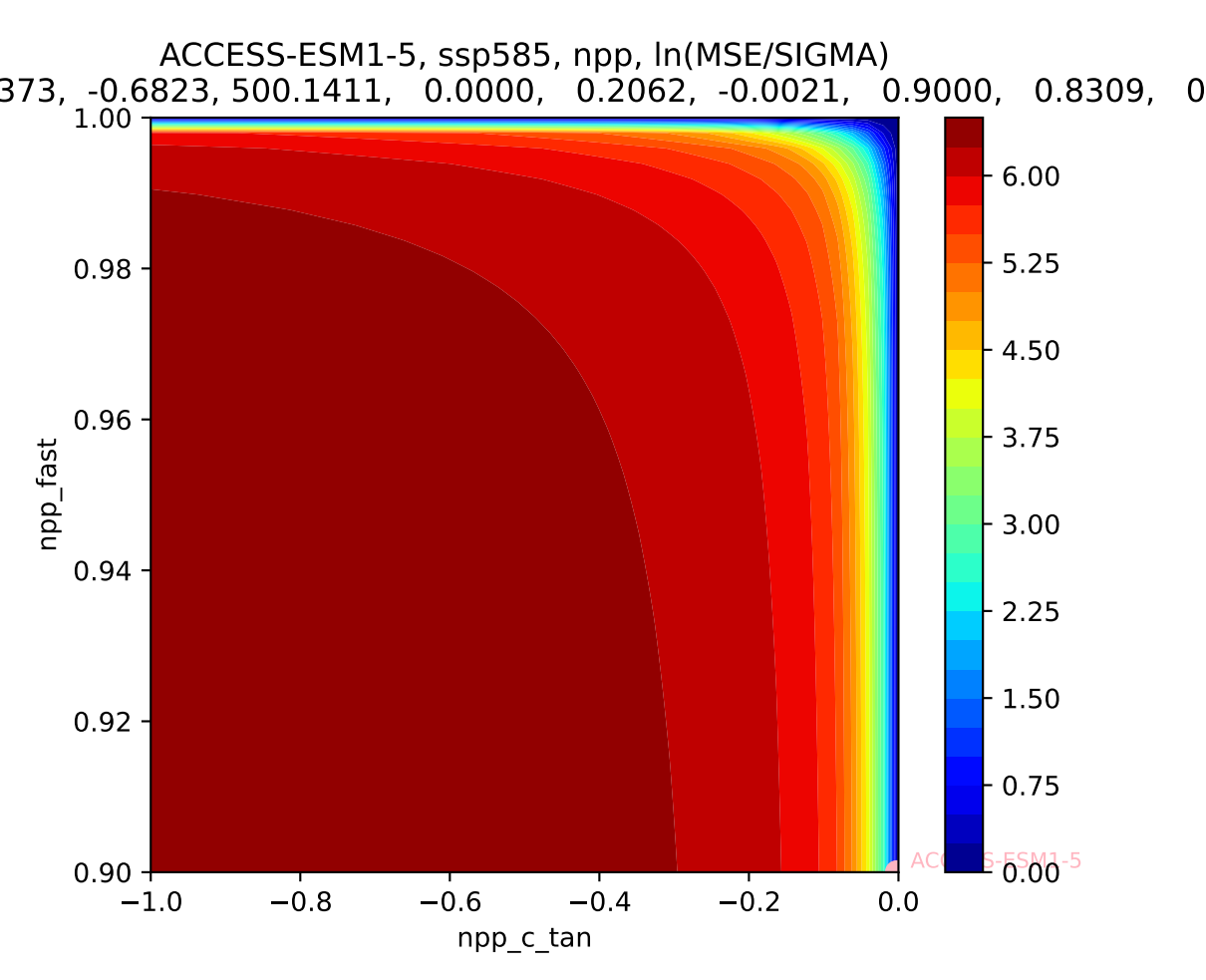

ACCESS-ESM1-5, ssp585, npp
ESM
Fit
npp
c_atm

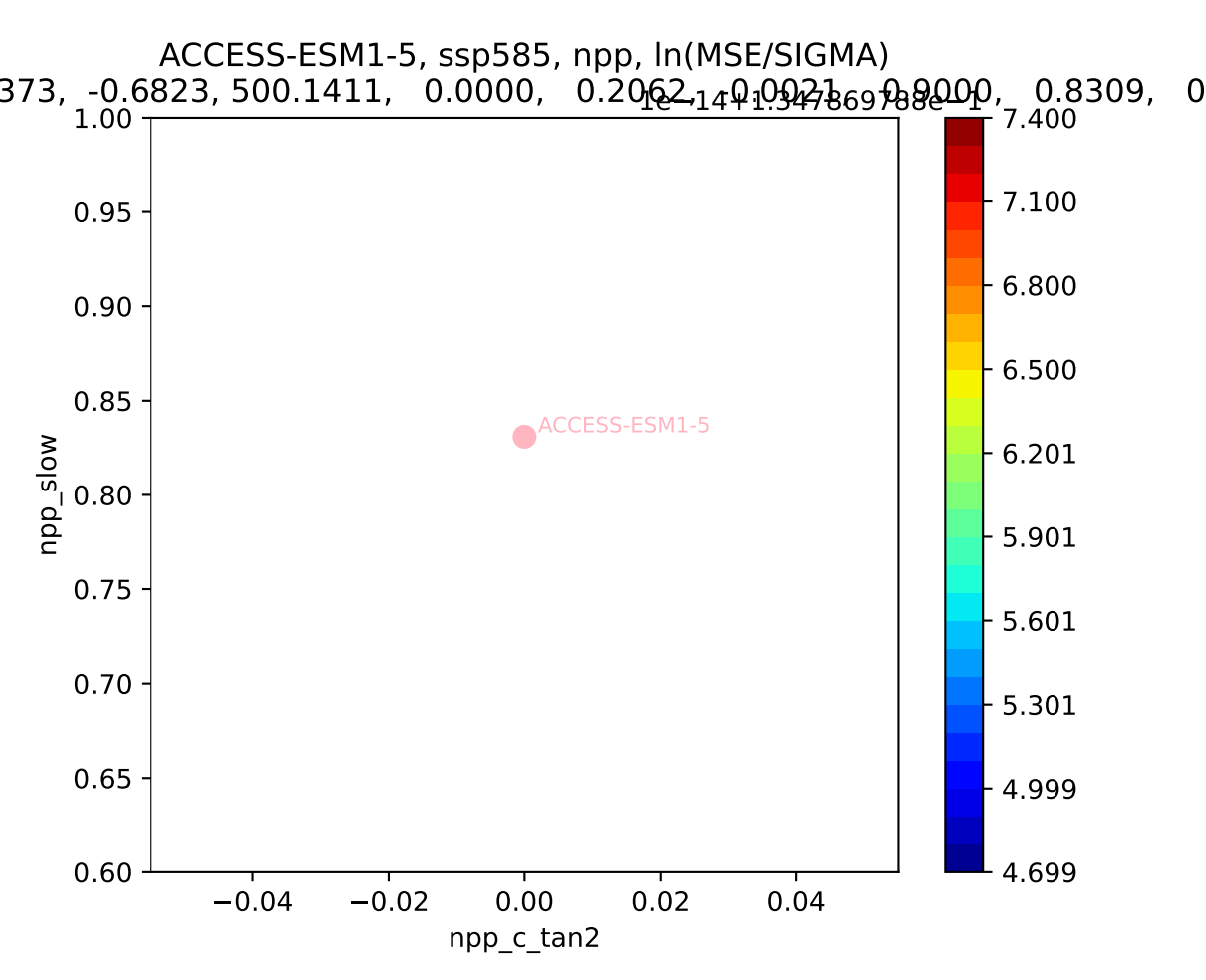

ACCESS-ESM1-5, ssp585, npp
ESM-Fit
npp, ESM - FIT
c_atm

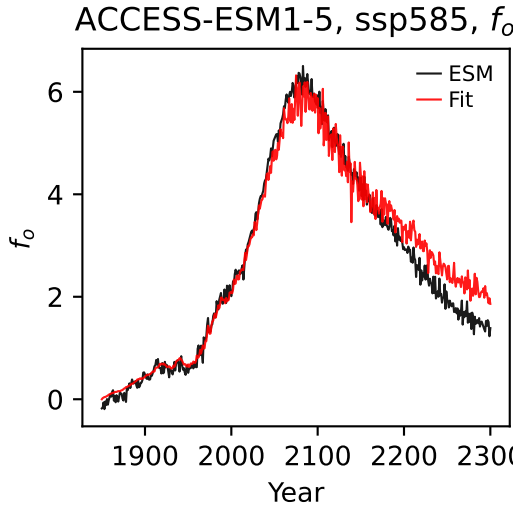

ACCESS-ESM1-5, ssp585, npp, ln(MSE/SIGMA)
373, -0.6823, 500.1411, 0.0000, 0.2062, -0.0021, 0.9000, 0.8309, 0
ACCESS-ESM1-5
npp_t_e
npp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
8.7
7.5
6.3
5.1
3.9
2.7
1.5
0.3

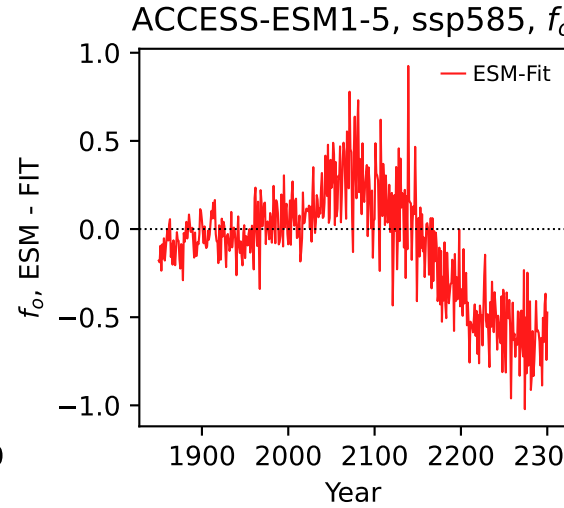

ACCESS-ESM1-5, ssp585, npp, ln(MSE/SIGMA)
373, -0.6823, 500.1411, 0.0000, 0.2062, -0.0021, 0.9000, 0.8309, 0
ACCESS-ESM1-5
npp_c_e
npp_c_l
0
−1
−2
−3
−4
−5
6.4
5.6
4.8
4.0
3.2
2.4
1.6
0.8
0.0

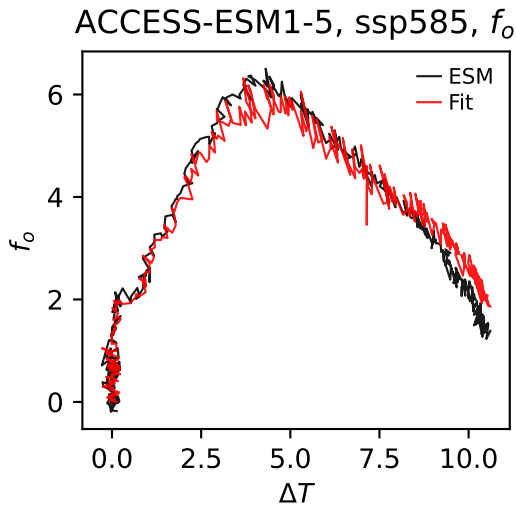

ACCESS-ESM1-5, ssp585, npp, ln(MSE/SIGMA)
373, -0.6823, 500.1411, 0.0000, 0.2062, -0.0021, 0.9000, 0.8309, 0
ACCESS-ESM1-5
npp_hyst
npp_c_half
10
5
0
−5
−10
−15
−20
0
250
500
750
1000
1250
1500
1750
2000
8.1
7.2
6.3
5.4
4.5
3.6
2.7
1.8
0.9
0.0

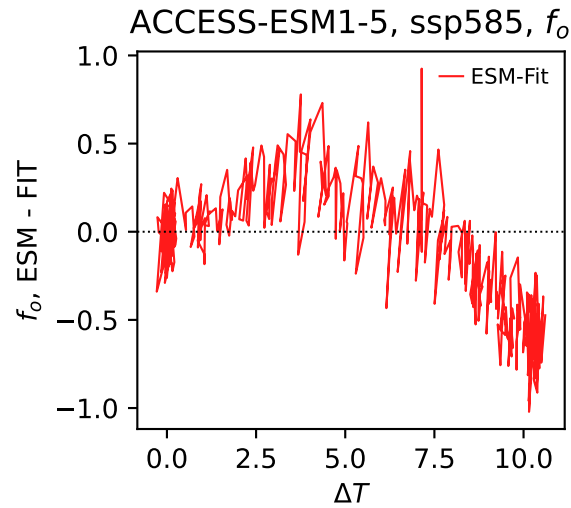

ACCESS-ESM1-5, ssp585, npp, ln(MSE/SIGMA)
373, -0.6823, 500.1411, 0.0000, 0.2062, -0.0021, 0.9000, 0.8309, 0
1.00
0.98
0.96
0.94
0.92
0.90
npp_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
npp_c_tan
6.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75
0.00

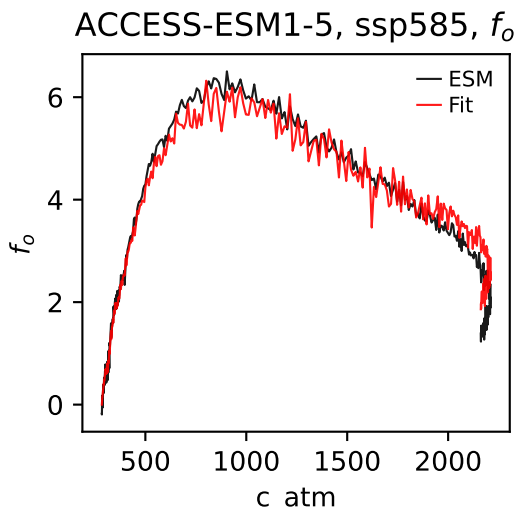

ACCESS-ESM1-5, ssp585, npp, ln(MSE/SIGMA)
373, -0.6823, 500.1411, 0.0000, 0.2062, -0.0021, 0.9000, 0.8309, 0
1e−14+1.3478697e−1
ACCESS-ESM1-5
npp_slow
npp_c_tan2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
7.400
7.100
6.800
6.500
6.201
5.901
5.601
5.301
4.999
4.699

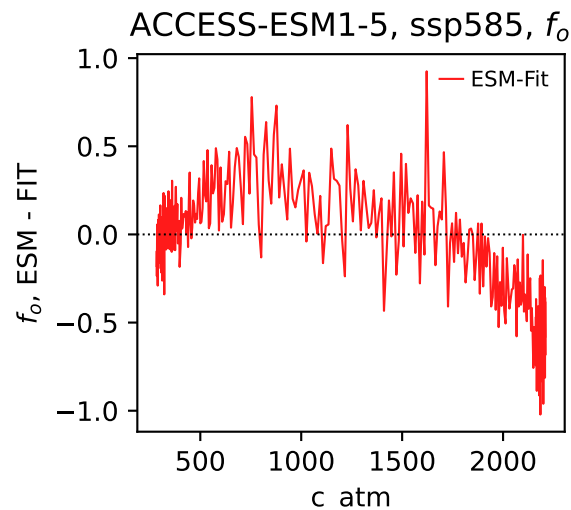

ACCESS-ESM1-5, ssp585, f_o
ESM
Fit
f_o
Year

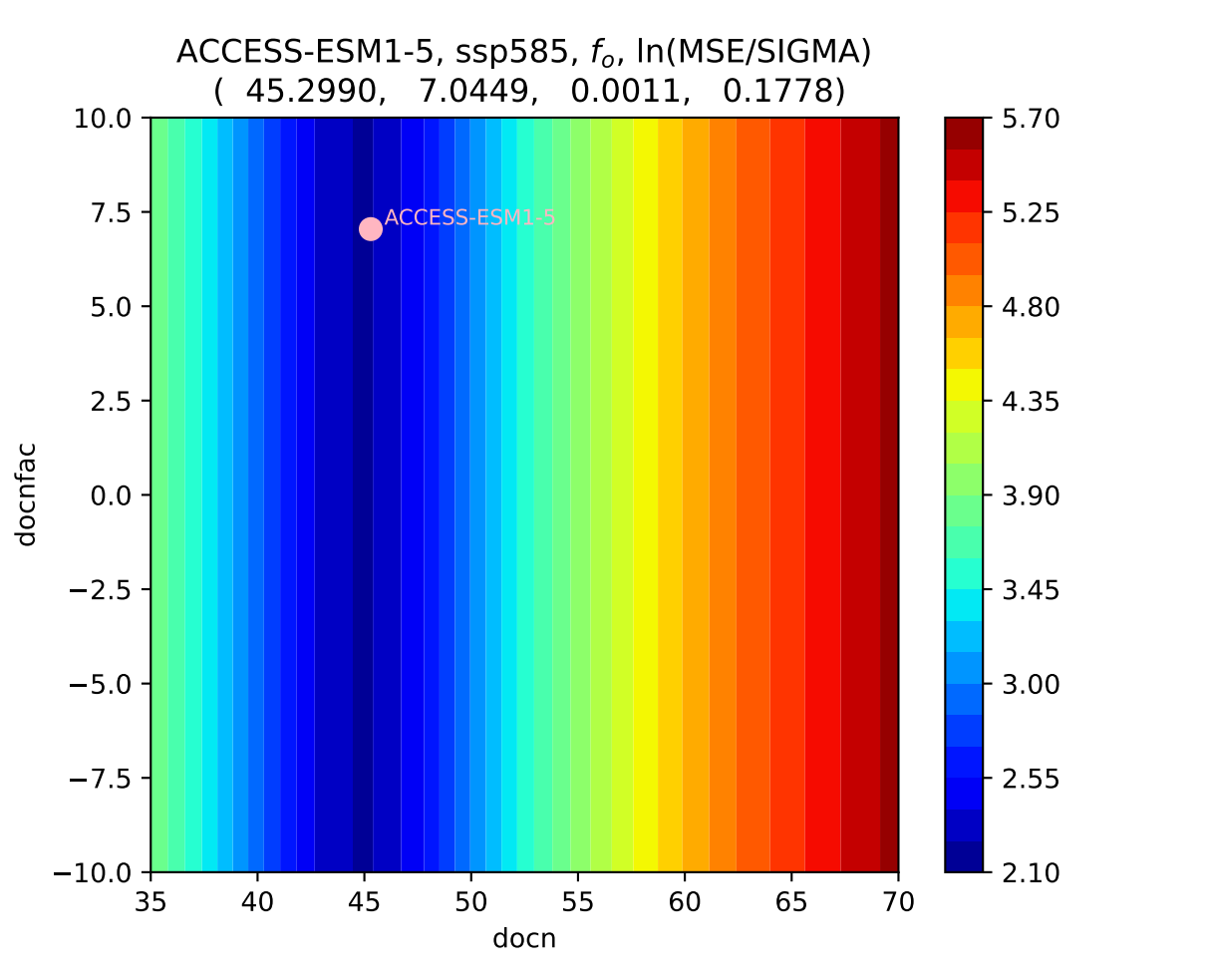

ACCESS-ESM1-5, ssp585, f_o
ESM-Fit
f_o, ESM - FIT
Year

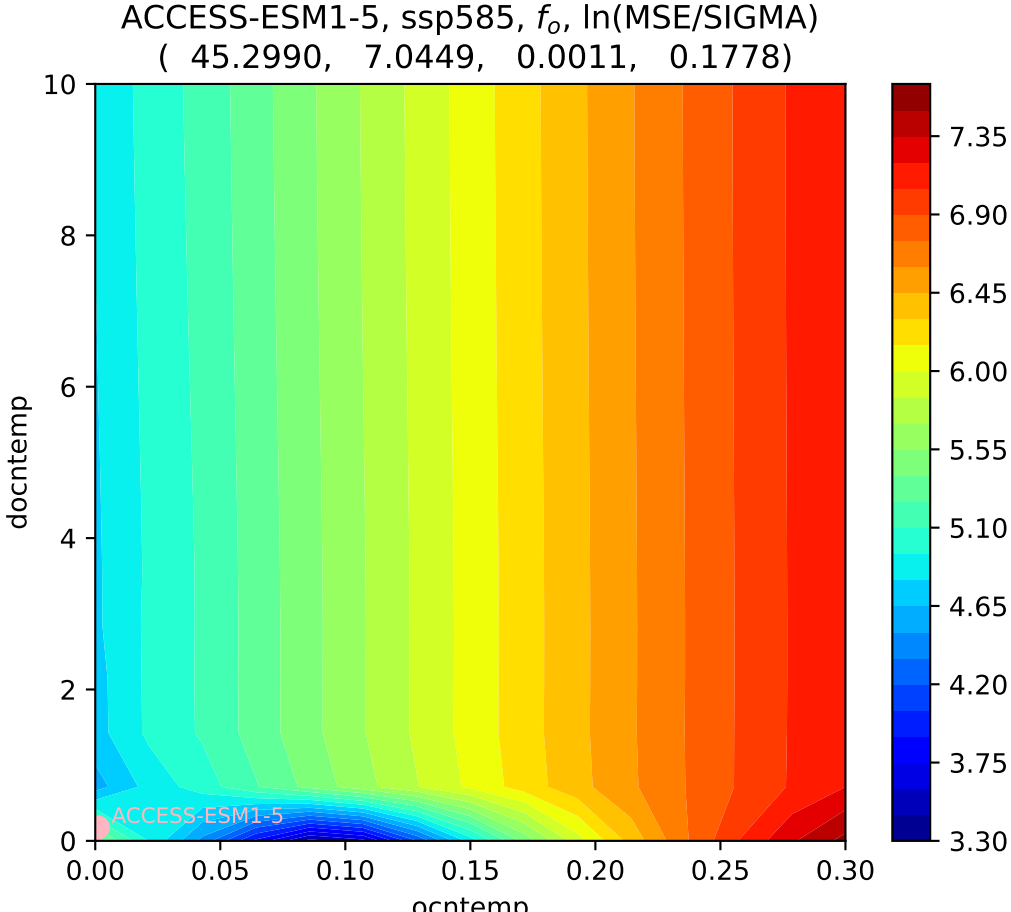

ACCESS-ESM1-5, ssp585, f_o
ESM
Fit
f_o
ΔT


ACCESS-ESM1-5, ssp585, f_o
ESM-Fit
f_o, ESM - FIT
ΔT


ACCESS-ESM1-5, ssp585, f_o
ESM
Fit
f_o
c_atm


ACCESS-ESM1-5, ssp585, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


ACCESS-ESM1-5, ssp585, f_o, ln(MSE/SIGMA)
(45.2990, 7.0449, 0.0011, 0.1778)
ACCESS-ESM1-5
docnfac
docn
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
35
40
45
50
55
60
65
70
5.70
5.25
4.80
4.35
3.90
3.45
3.00
2.55
2.10


ACCESS-ESM1-5, ssp585, f_o, ln(MSE/SIGMA)
(45.2990, 7.0449, 0.0011, 0.1778)
docntemp
ocntemp
ACCESS-ESM1-5
0
2
4
6
8
10
0.00
0.05
0.10
0.15
0.20
0.25
0.30
7.35
6.90
6.45
6.00
5.55
5.10
4.65
4.20
3.75
3.30