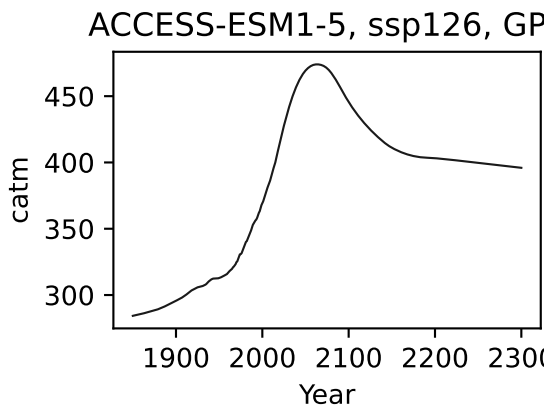
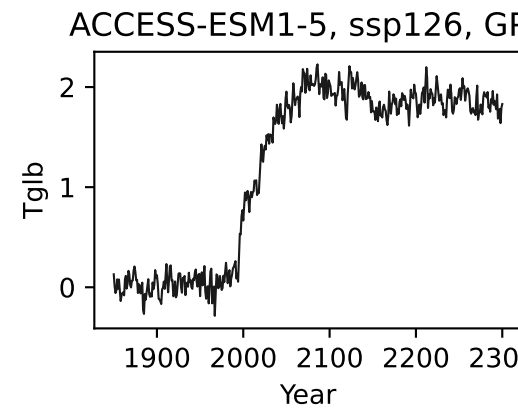
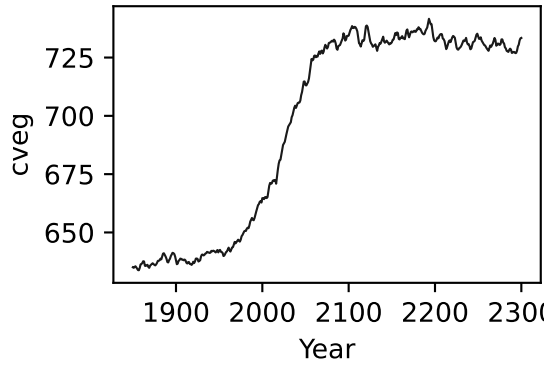
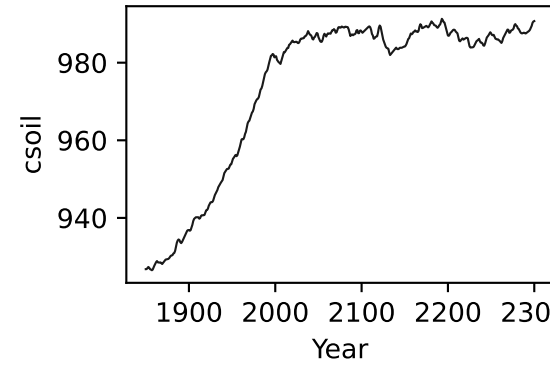
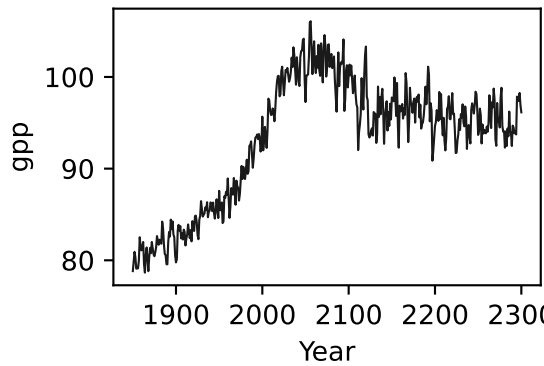
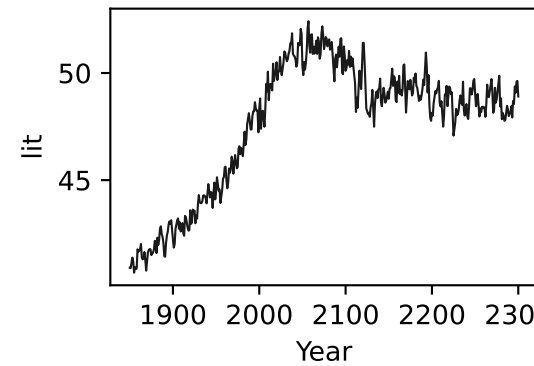

ACCESS-ESM1-5, ssp126, GPP
catm
450
400
350
300
1900
2000
2100
2200
2300
Year

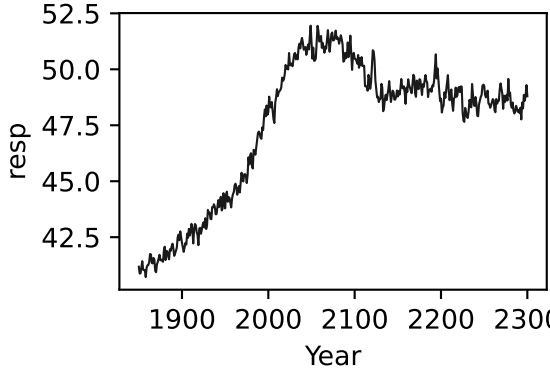

ACCESS-ESM1-5, ssp126, GPP
Tglb
2
1
0
1900
2000
2100
2200
2300
Year

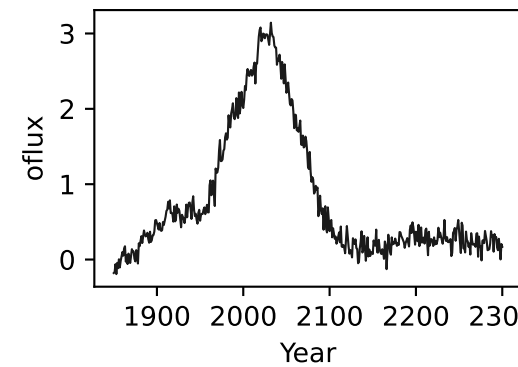

cveg
725
700
675
650
1900
2000
2100
2200
2300
Year

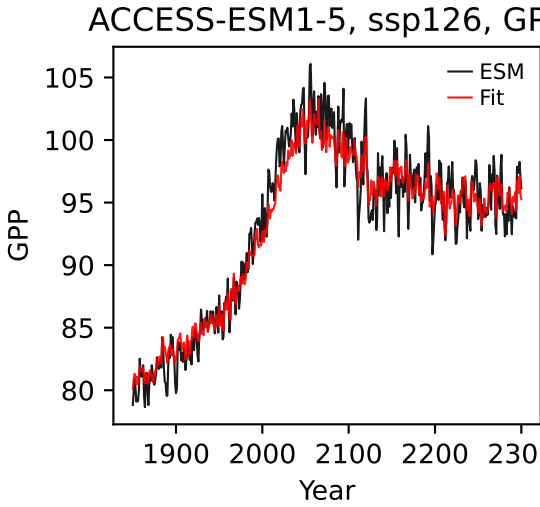

csoil
980
960
940
1900
2000
2100
2200
2300
Year

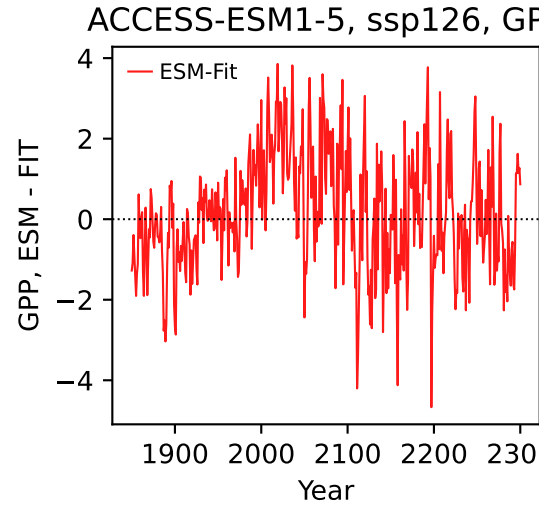

gpp
100
90
80
1900
2000
2100
2200
2300
Year

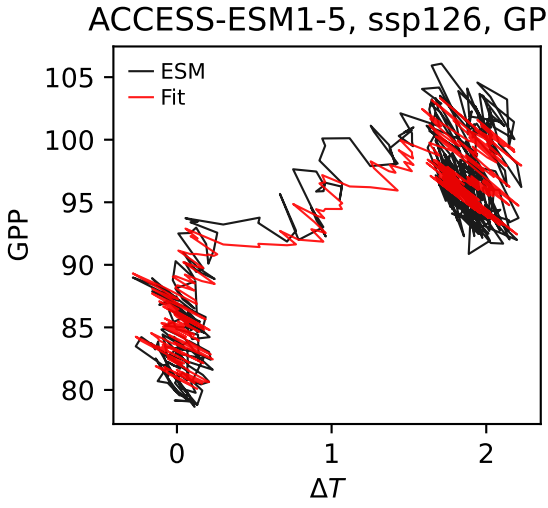

lit
50
45
1900
2000
2100
2200
2300
Year

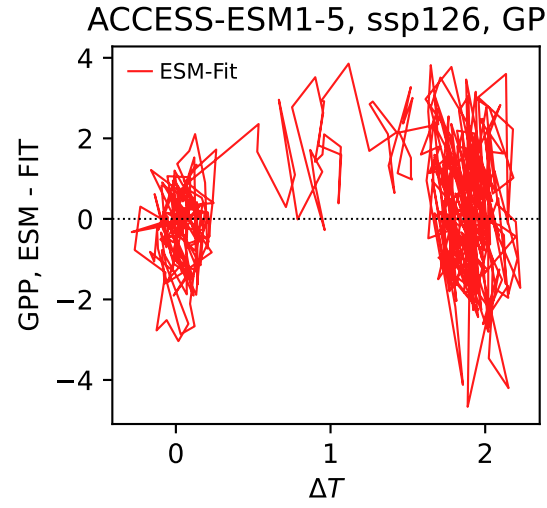

resp
52.5
50.0
47.5
45.0
42.5
1900
2000
2100
2200
2300
Year

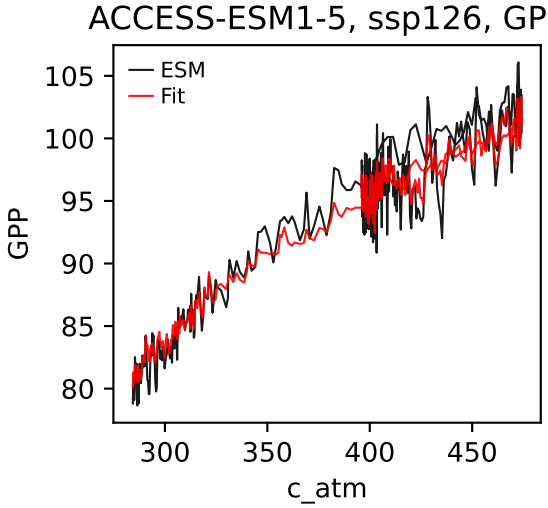

oflux
3
2
1
0
1900
2000
2100
2200
2300
Year

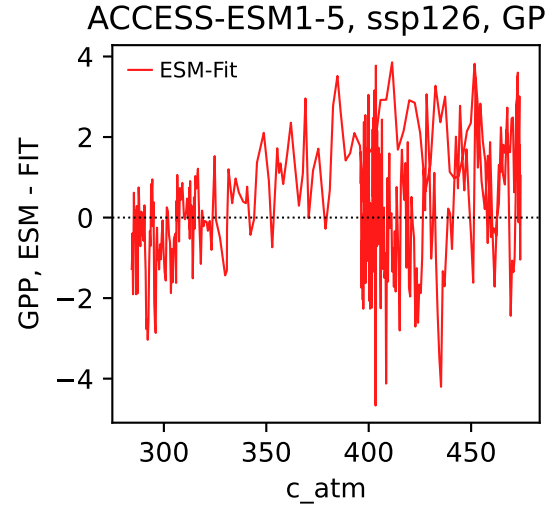

ACCESS-ESM1-5, ssp126, GPP
ESM
Fit
GPP
105
100
95
90
85
80
1900
2000
2100
2200
2300
Year

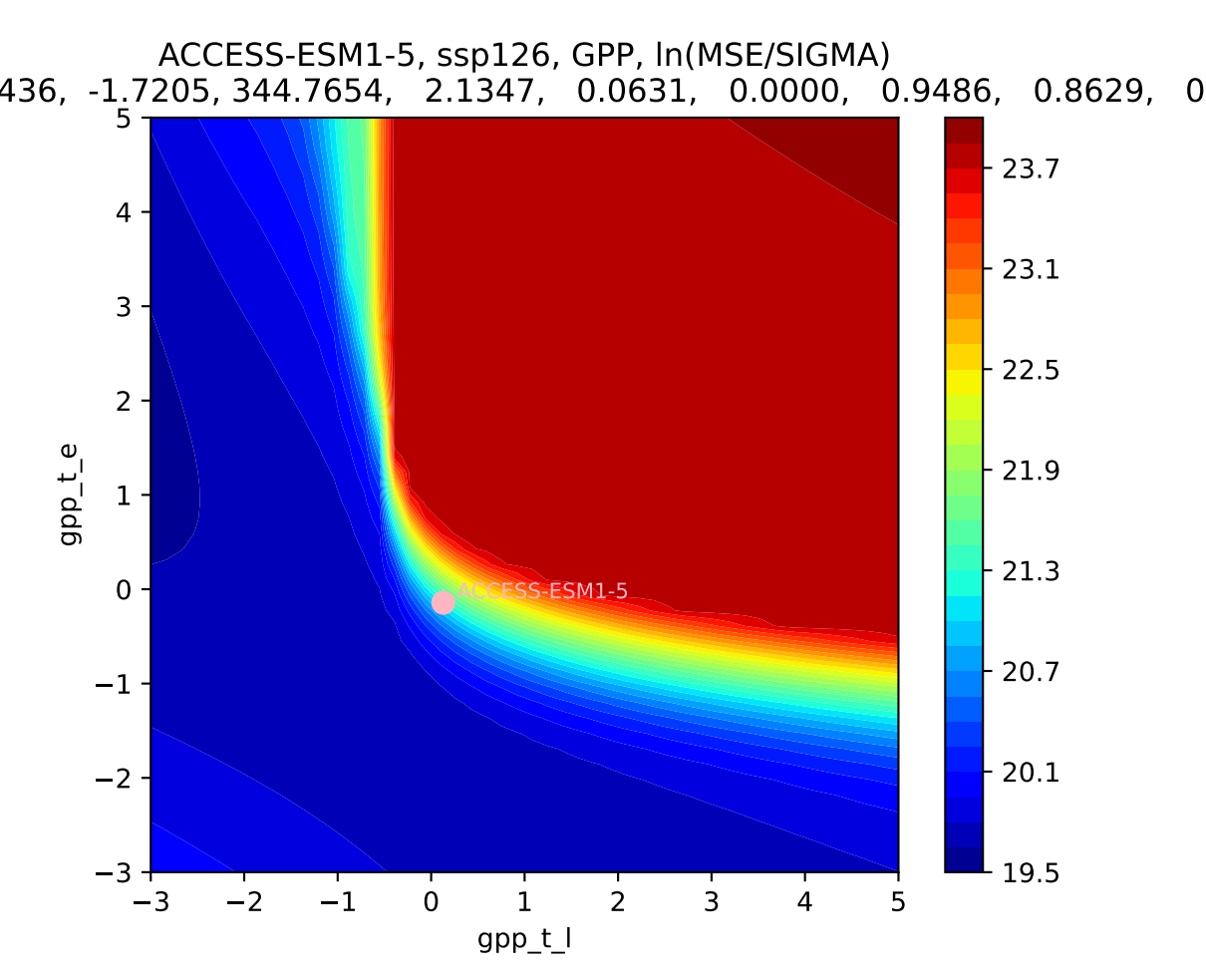

ACCESS-ESM1-5, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
4
2
0
−2
−4
1900
2000
2100
2200
2300
Year

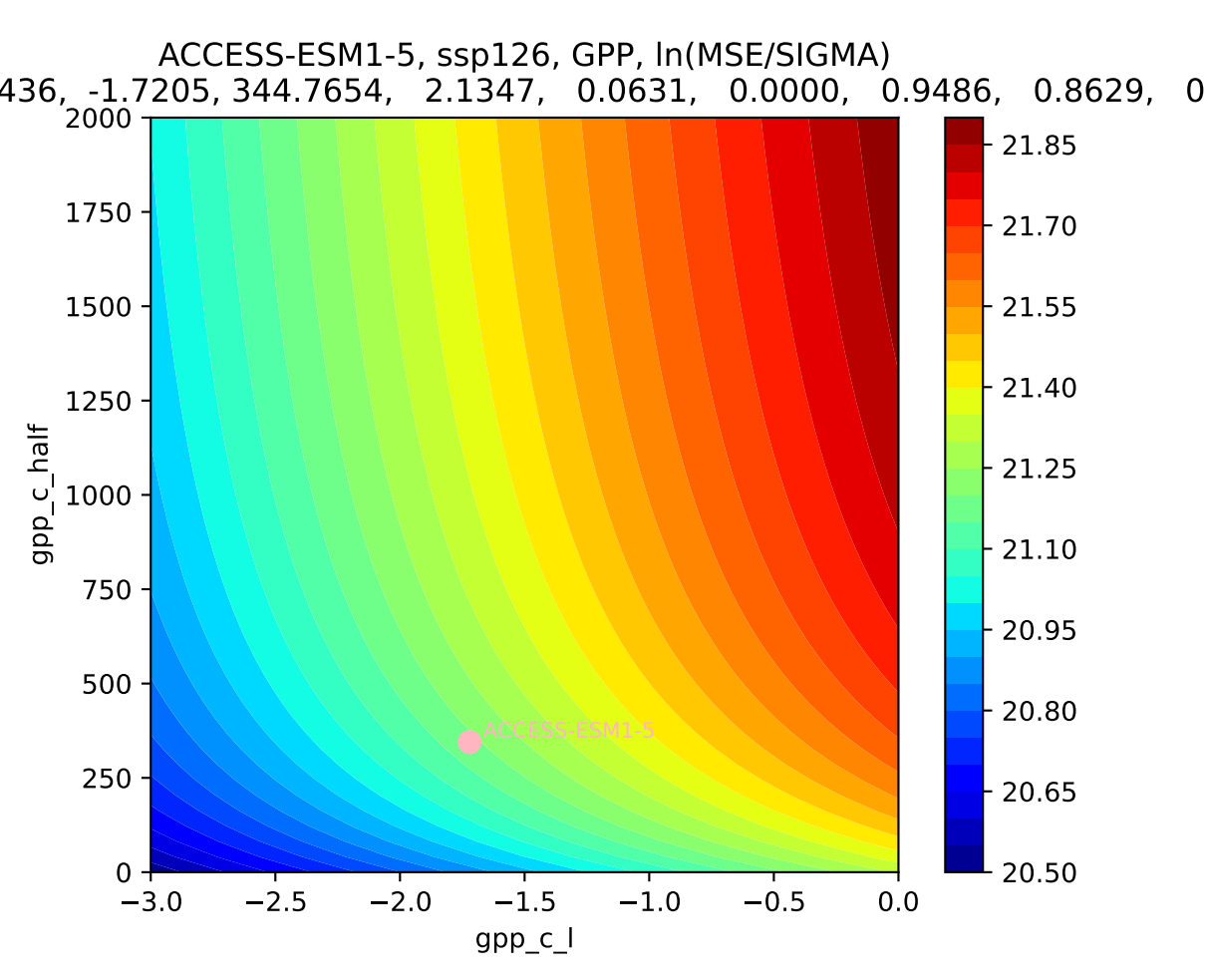

ACCESS-ESM1-5, ssp126, GPP
ESM
Fit
GPP
105
100
95
90
85
80
0
1
2
ΔT

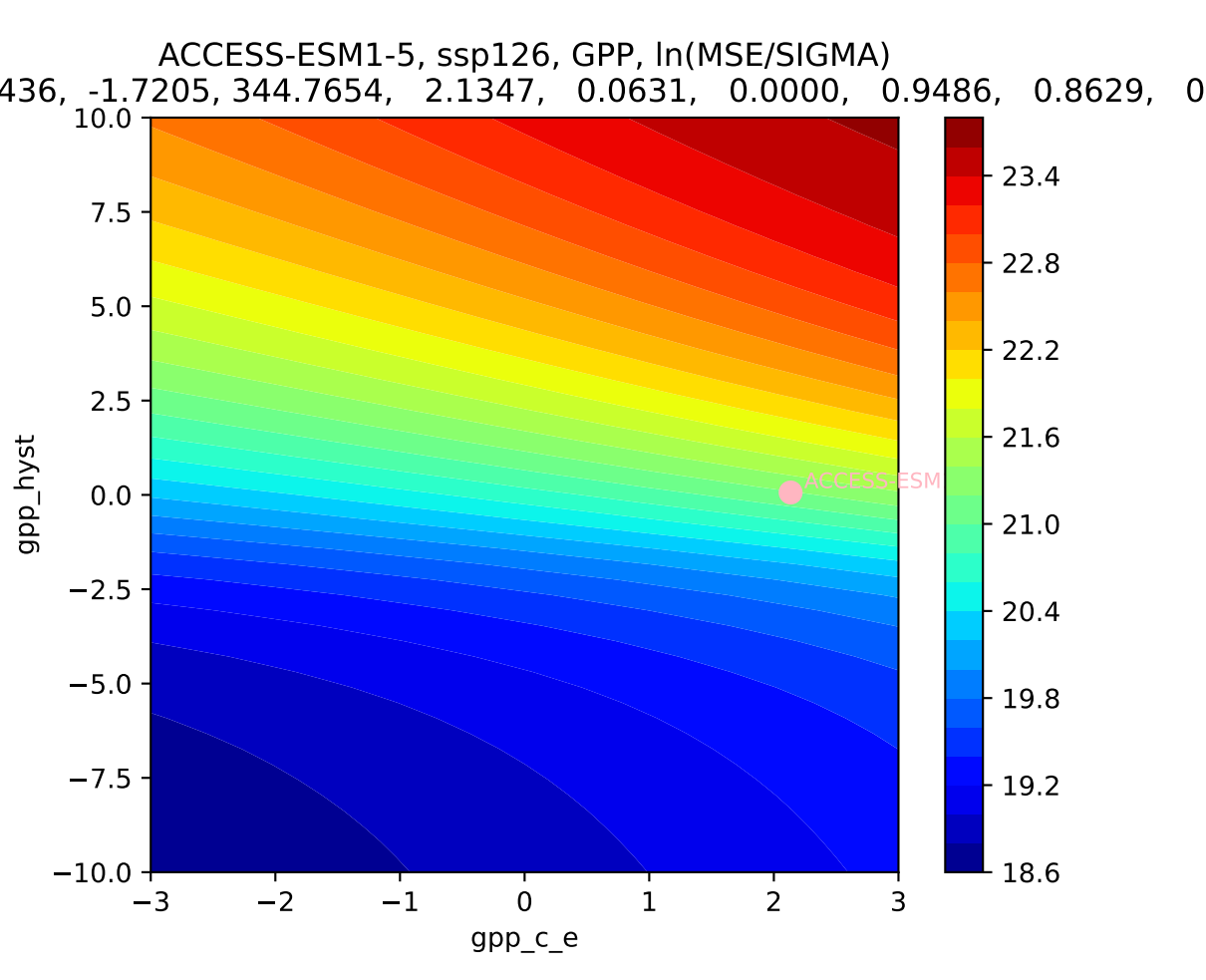

ACCESS-ESM1-5, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
4
2
0
−2
−4
0
1
2
ΔT

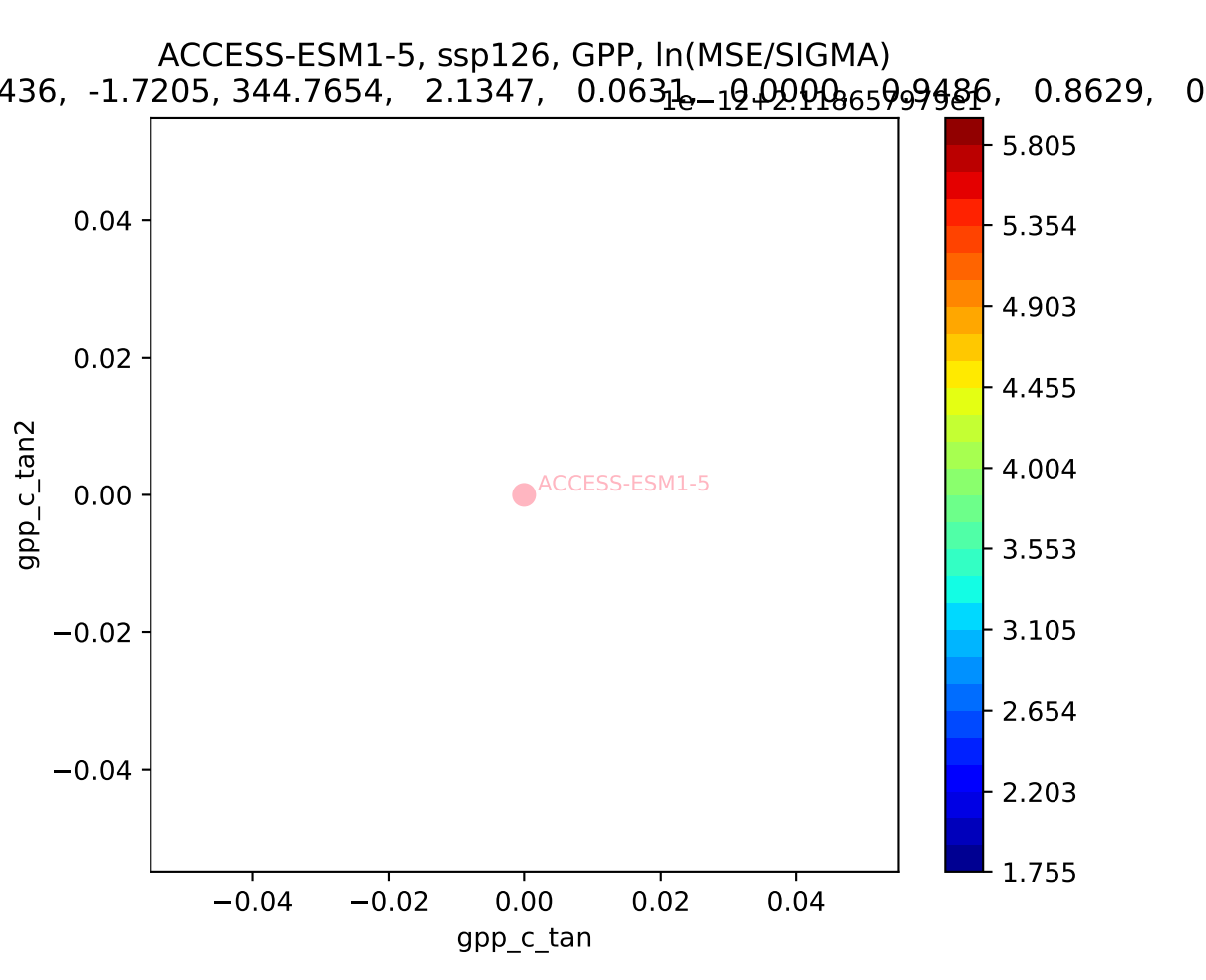

ACCESS-ESM1-5, ssp126, GPP
ESM
Fit
GPP
105
100
95
90
85
80
300
350
400
450
c_atm

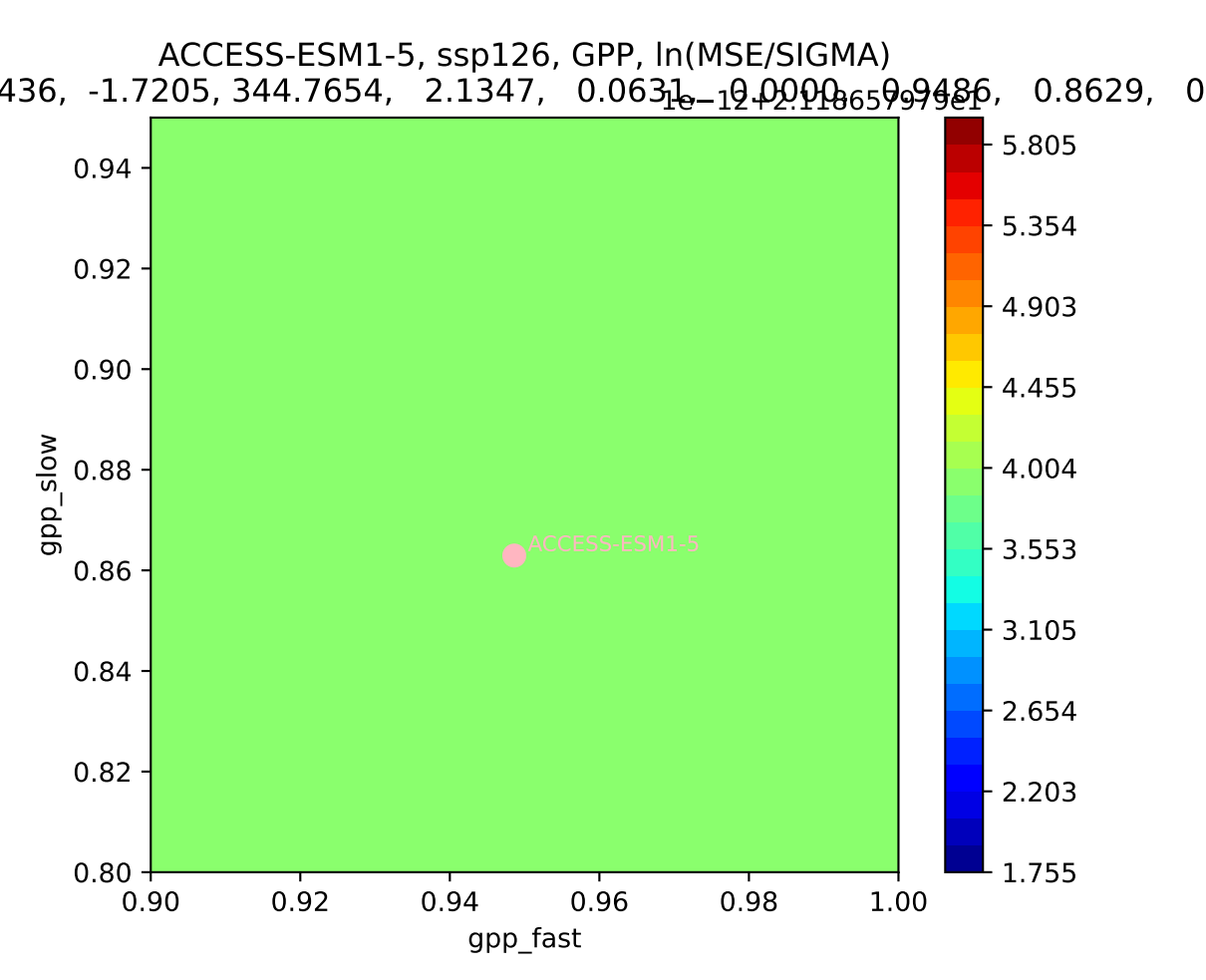

ACCESS-ESM1-5, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
4
2
0
−2
−4
300
350
400
450
c_atm

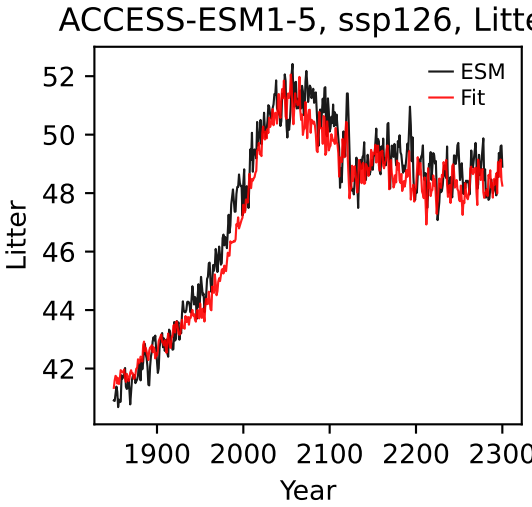

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
436, -1.7205, 344.7654, 2.1347, 0.0631, 0.0000, 0.9486, 0.8629, 0
ACCESS-ESM1-5
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
23.7
23.1
22.5
21.9
21.3
20.7
20.1
19.5

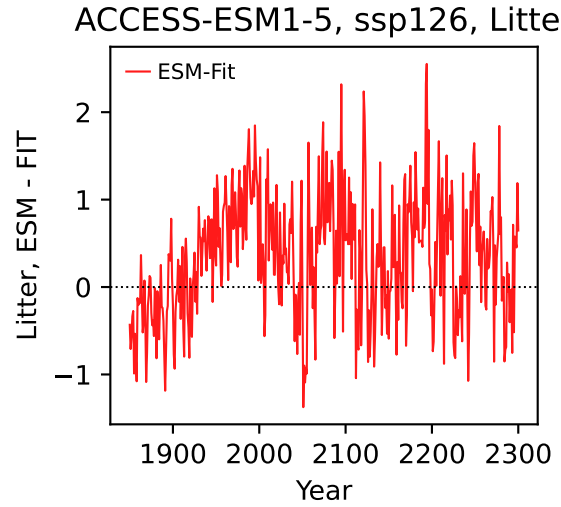

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
436, -1.7205, 344.7654, 2.1347, 0.0631, 0.0000, 0.9486, 0.8629, 0
gpp_c_half
gpp_c_l
ACCESS-ESM1-5
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
21.85
21.70
21.55
21.40
21.25
21.10
20.95
20.80
20.65
20.50

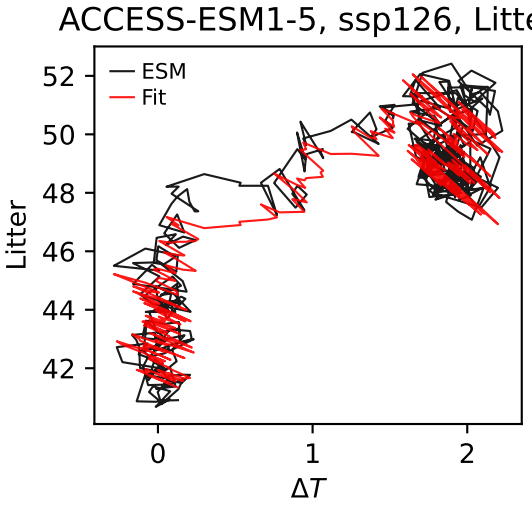

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
436, -1.7205, 344.7654, 2.1347, 0.0631, 0.0000, 0.9486, 0.8629, 0
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
23.4
22.8
22.2
21.6
21.0
20.4
19.8
19.2
18.6
ACCESS-ESM

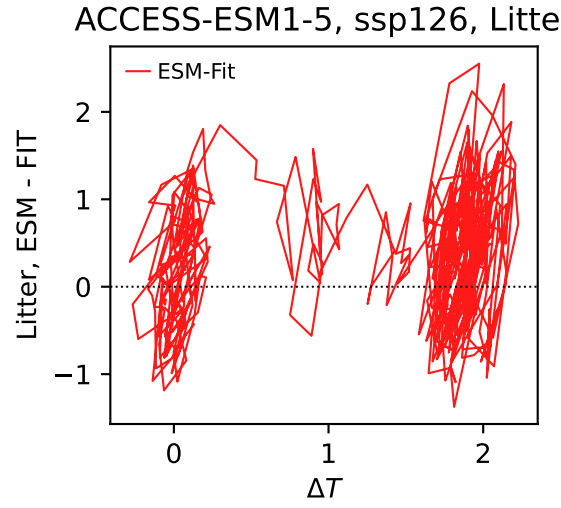

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
436, -1.7205, 344.7654, 2.1347, 0.0631, 0.0000, 0.9486, 0.8629, 0
1e−12+2.118657979e1
ACCESS-ESM1-5
gpp_c_tan2
gpp_c_tan
0.04
0.02
0.00
−0.02
−0.04
5.805
5.354
4.903
4.455
4.004
3.553
3.105
2.654
2.203
1.755

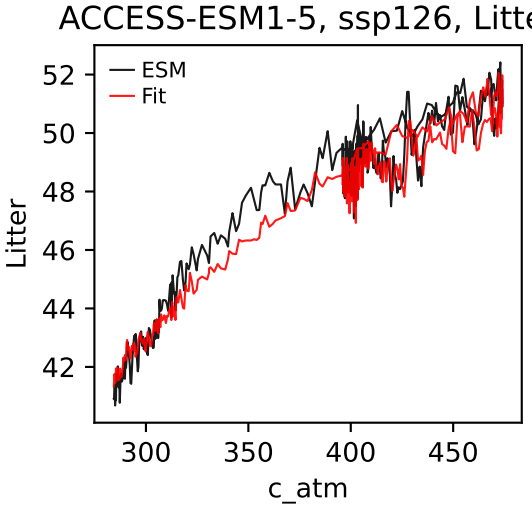

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
436, -1.7205, 344.7654, 2.1347, 0.0631, 0.0000, 0.9486, 0.8629, 0
1e−12+2.11865979e1
ACCESS-ESM1-5
gpp_slow
gpp_fast
0.80
0.82
0.84
0.86
0.88
0.90
0.92
0.94
0.90
0.92
0.94
0.96
0.98
1.00
5.805
5.354
4.903
4.455
4.004
3.553
3.105
2.654
2.203
1.755

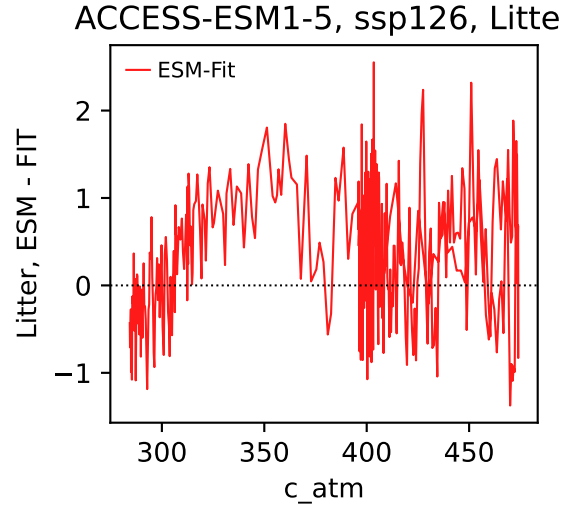

ACCESS-ESM1-5, ssp126, Litter
ESM
Fit
Litter
Year

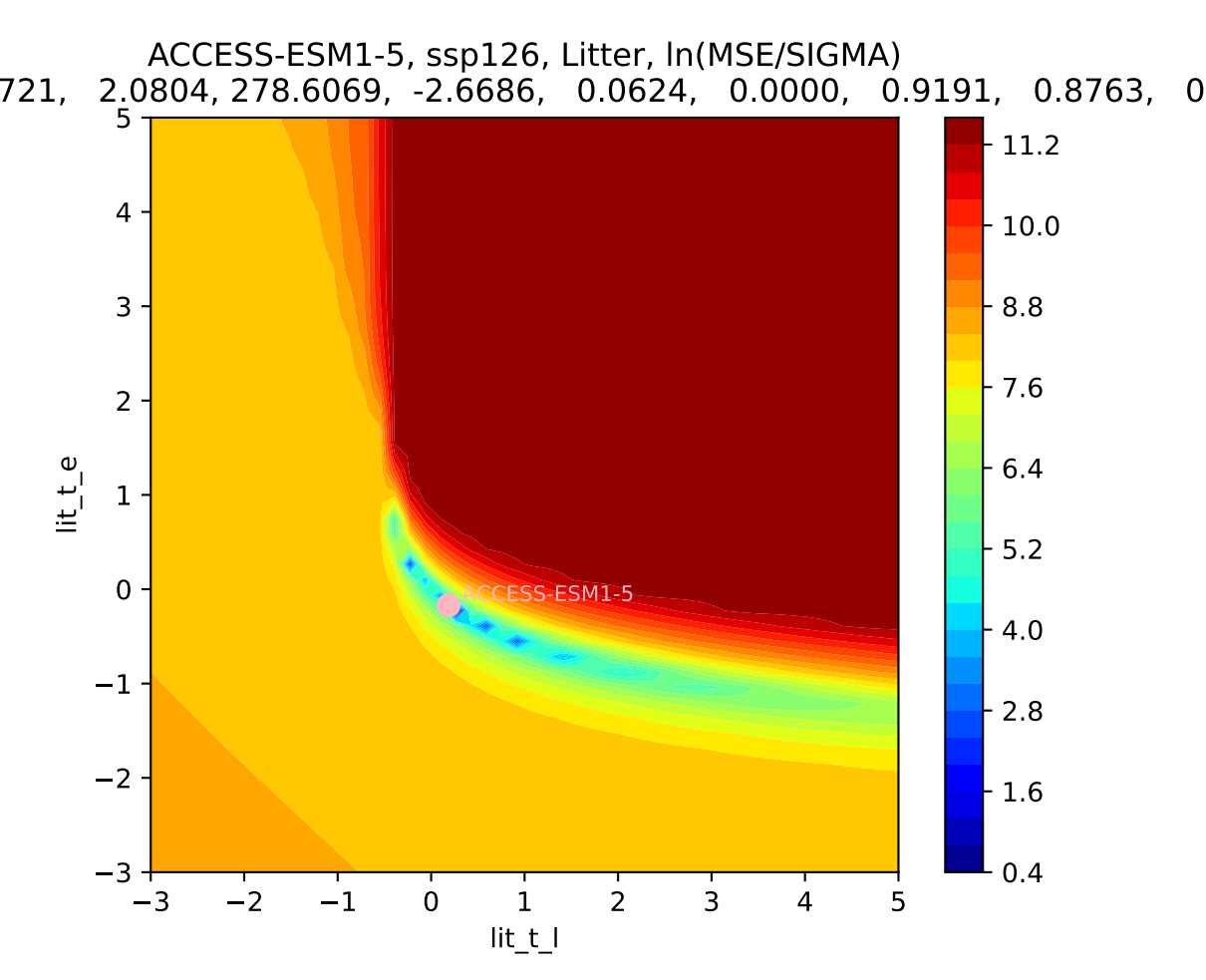

ACCESS-ESM1-5, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
Year

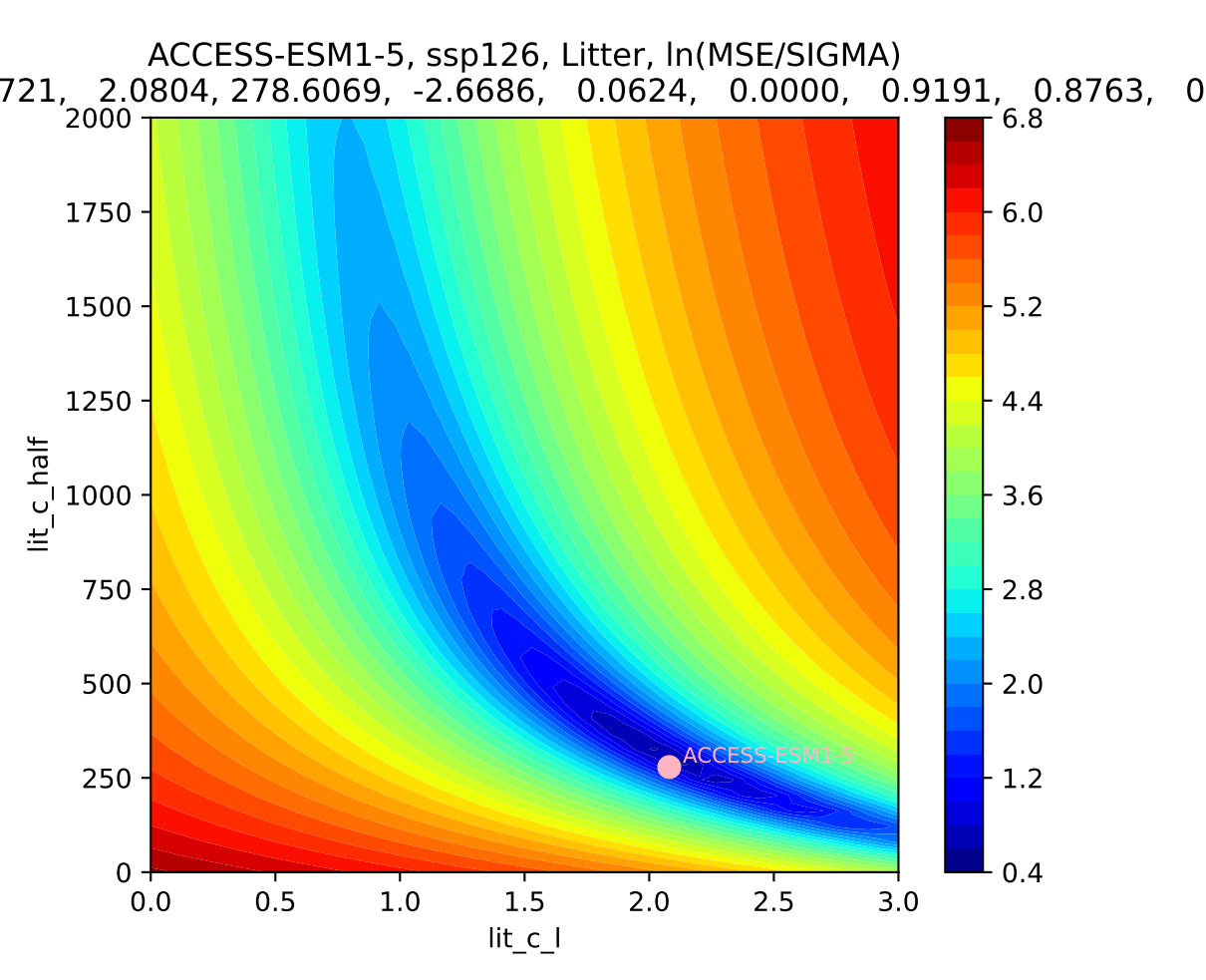

ACCESS-ESM1-5, ssp126, Litter
ESM
Fit
Litter
ΔT

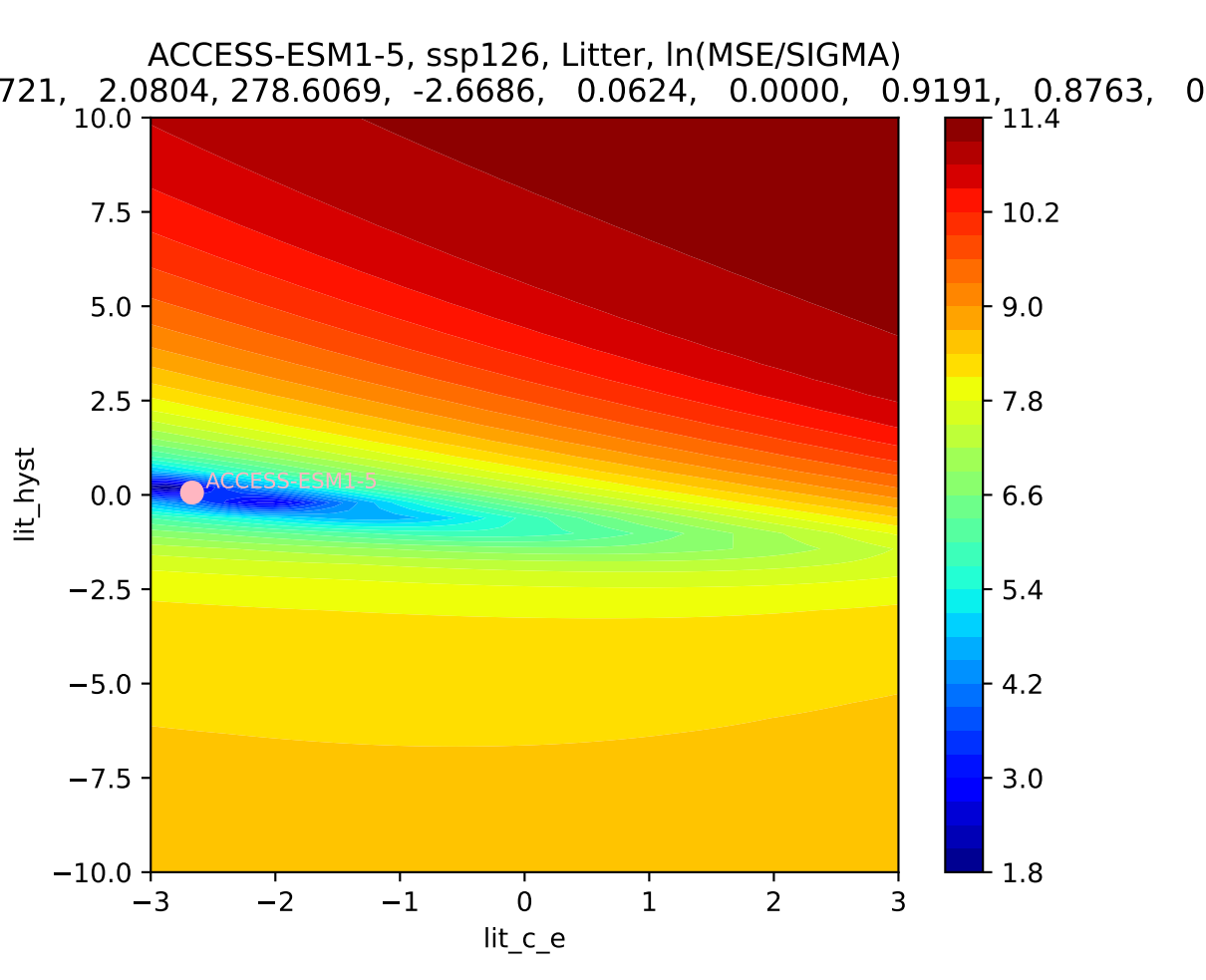

ACCESS-ESM1-5, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

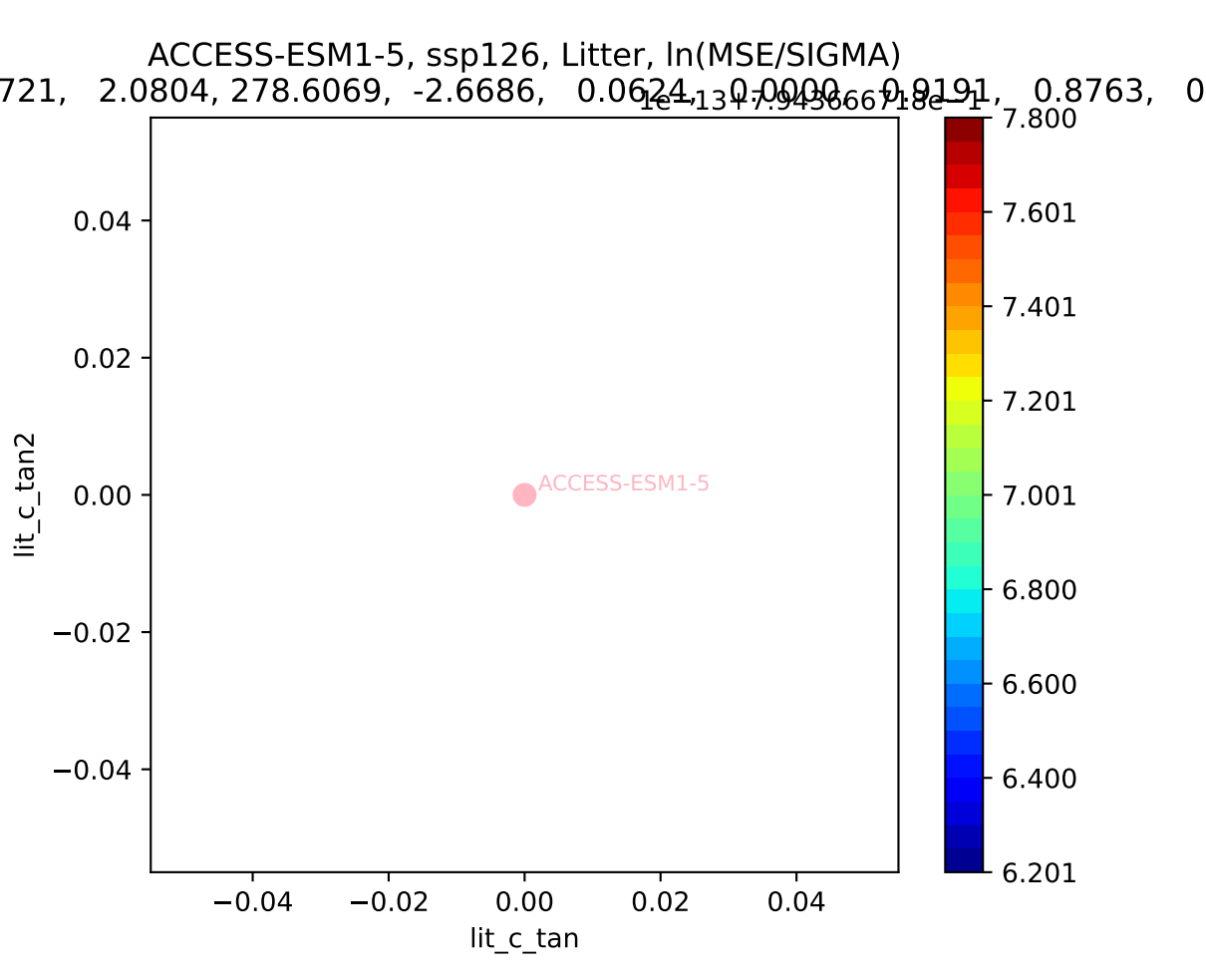

ACCESS-ESM1-5, ssp126, Litter
ESM
Fit
Litter
c_atm

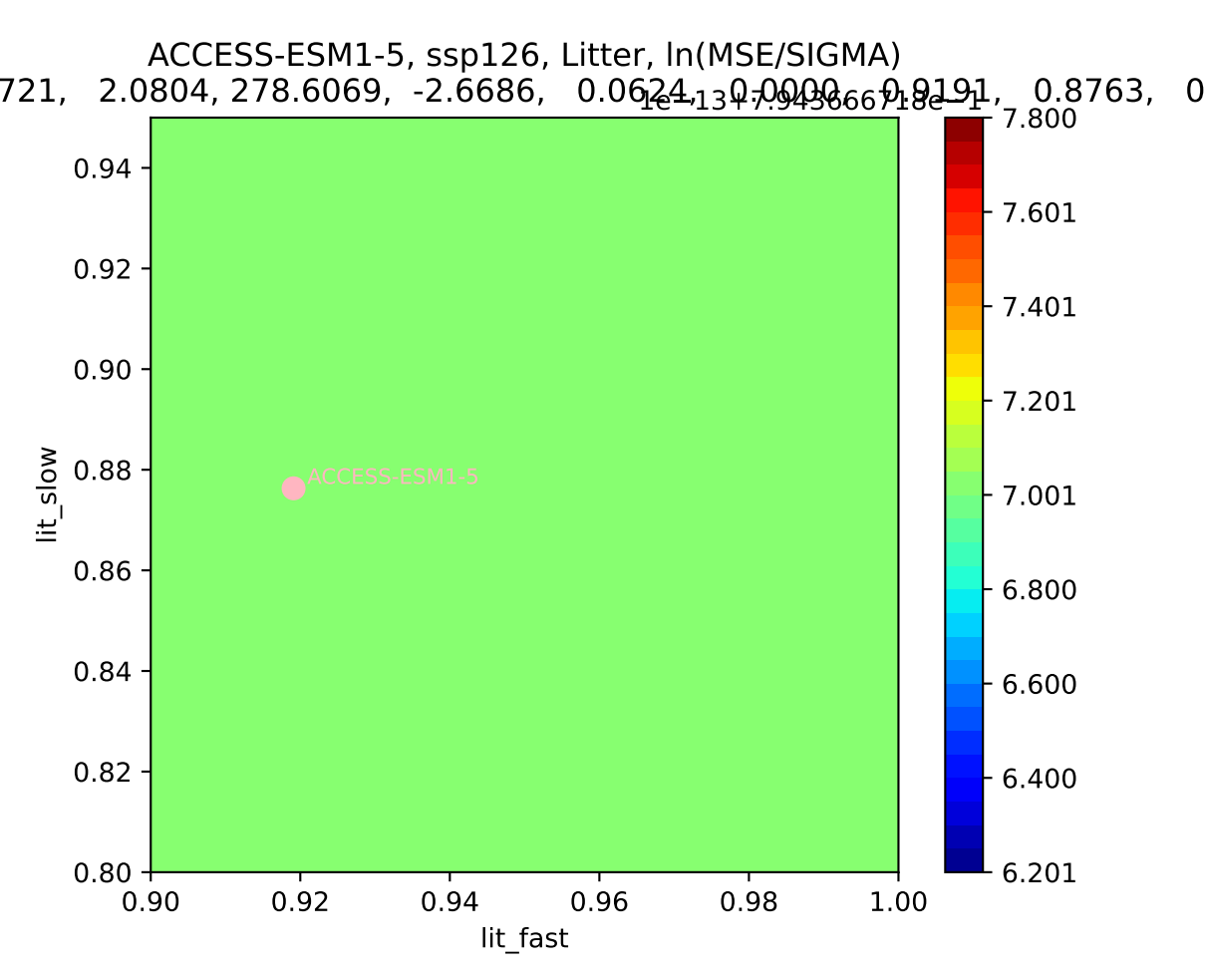

ACCESS-ESM1-5, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

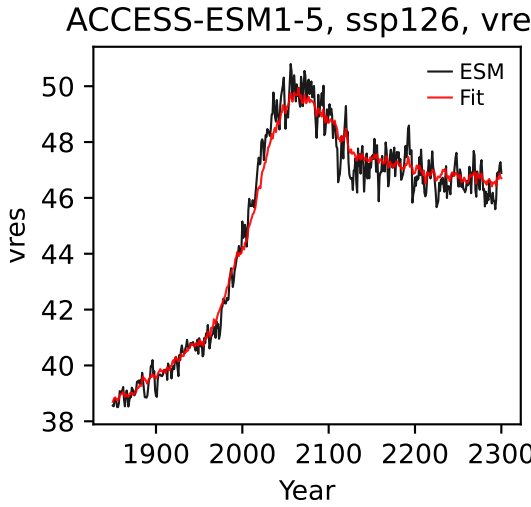

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
721, 2.0804, 278.6069, -2.6686, 0.0624, 0.0000, 0.9191, 0.8763, 0
lit_t_e
lit_t_l
ACCESS-ESM1-5
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

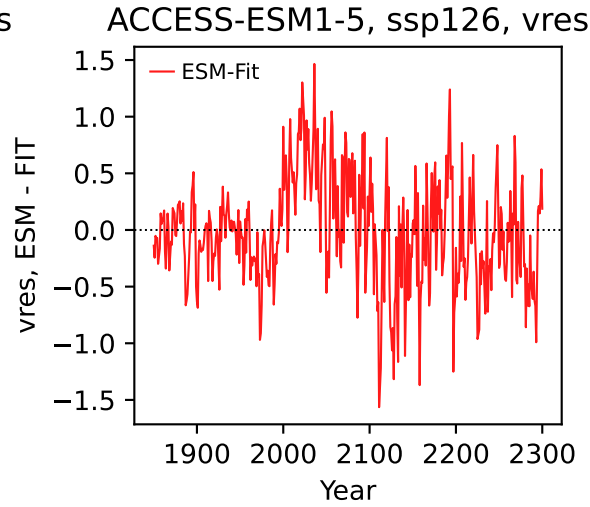

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
721, 2.0804, 278.6069, -2.6686, 0.0624, 0.0000, 0.9191, 0.8763, 0
lit_c_half
lit_c_l
ACCESS-ESM1-5
2000
1750
1500
1250
1000
750
500
250
0
0.0
0.5
1.0
1.5
2.0
2.5
3.0
6.8
6.0
5.2
4.4
3.6
2.8
2.0
1.2
0.4

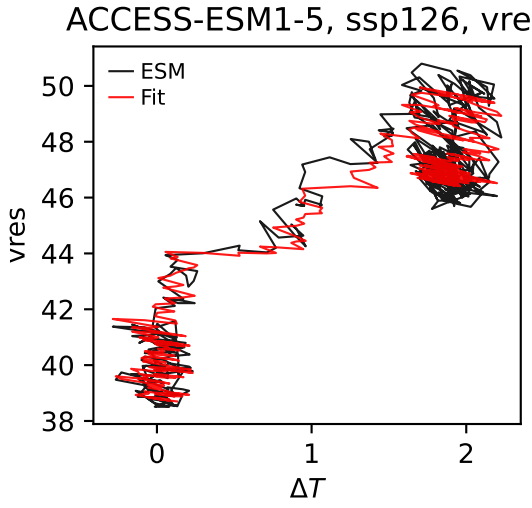

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
721, 2.0804, 278.6069, -2.6686, 0.0624, 0.0000, 0.9191, 0.8763, 0
ACCESS-ESM1-5
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.4
10.2
9.0
7.8
6.6
5.4
4.2
3.0
1.8

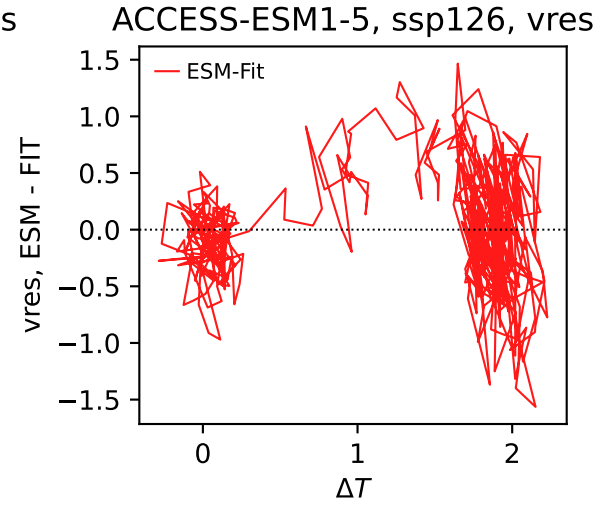

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
721, 2.0804, 278.6069, -2.6686, 0.0624, 0.0000, 0.9191, 0.8763, 0
1e−13 * 7.9436667 1e−1
ACCESS-ESM1-5
lit_c_tan2
lit_c_tan
0.04
0.02
0.00
−0.02
−0.04
7.800
7.601
7.401
7.201
7.001
6.800
6.600
6.400
6.201

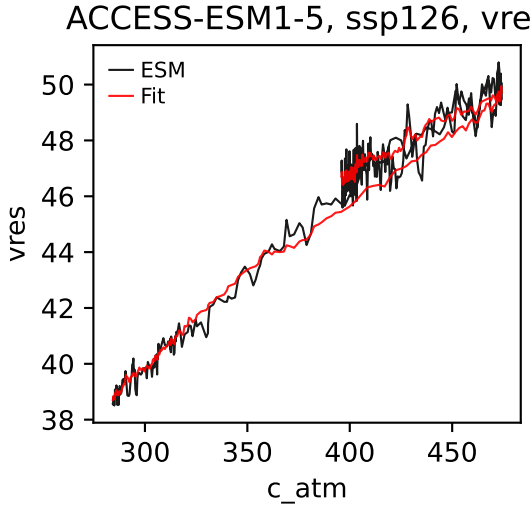

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
721, 2.0804, 278.6069, -2.6686, 0.0624, 0.0000, 0.9191, 0.8763, 0
1e−13+7.9436667e−1
ACCESS-ESM1-5
lit_slow
lit_fast
0.80
0.82
0.84
0.86
0.88
0.90
0.92
0.94
0.90
0.92
0.94
0.96
0.98
1.00
7.800
7.601
7.401
7.201
7.001
6.800
6.600
6.400
6.201

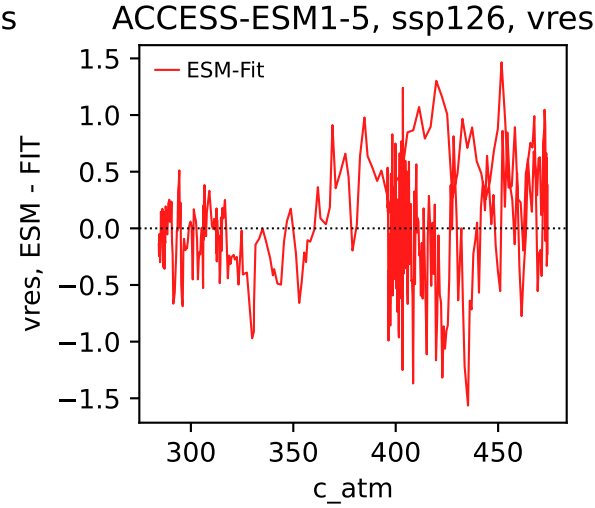

ACCESS-ESM1-5, ssp126, vres
ESM
Fit
vres
Year

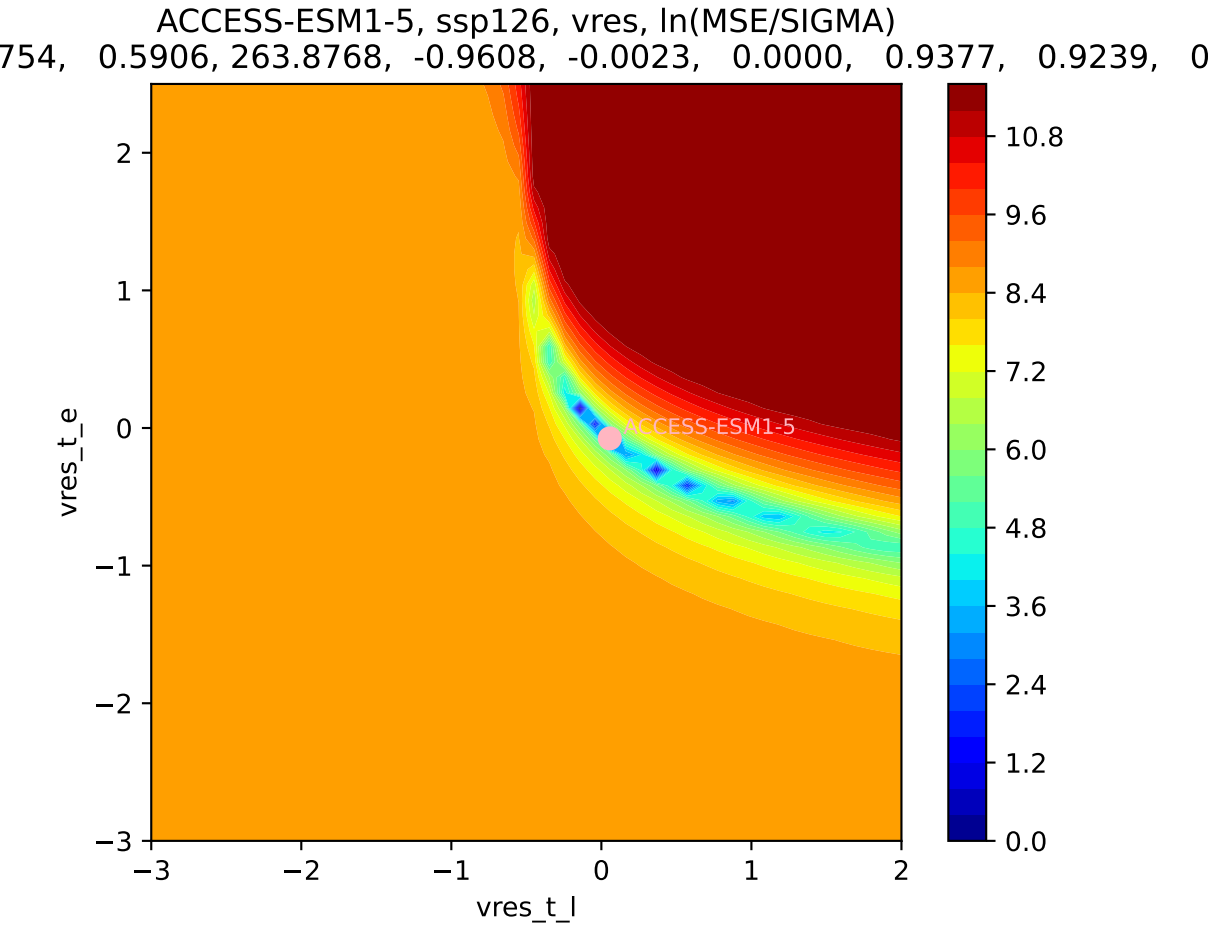

ACCESS-ESM1-5, ssp126, vres
ESM-Fit
vres, ESM - FIT
Year

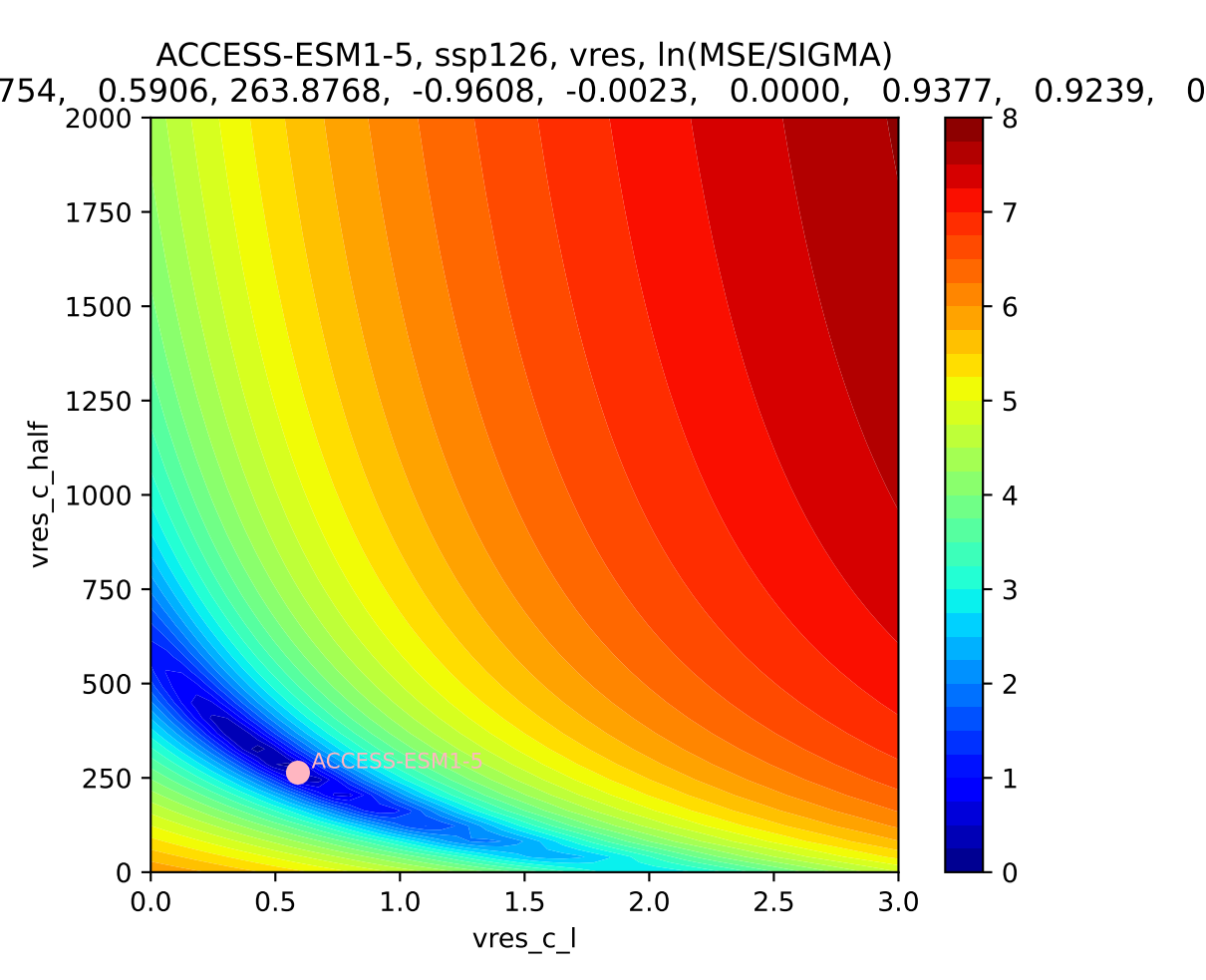

ACCESS-ESM1-5, ssp126, vres
ESM
Fit
vres
ΔT

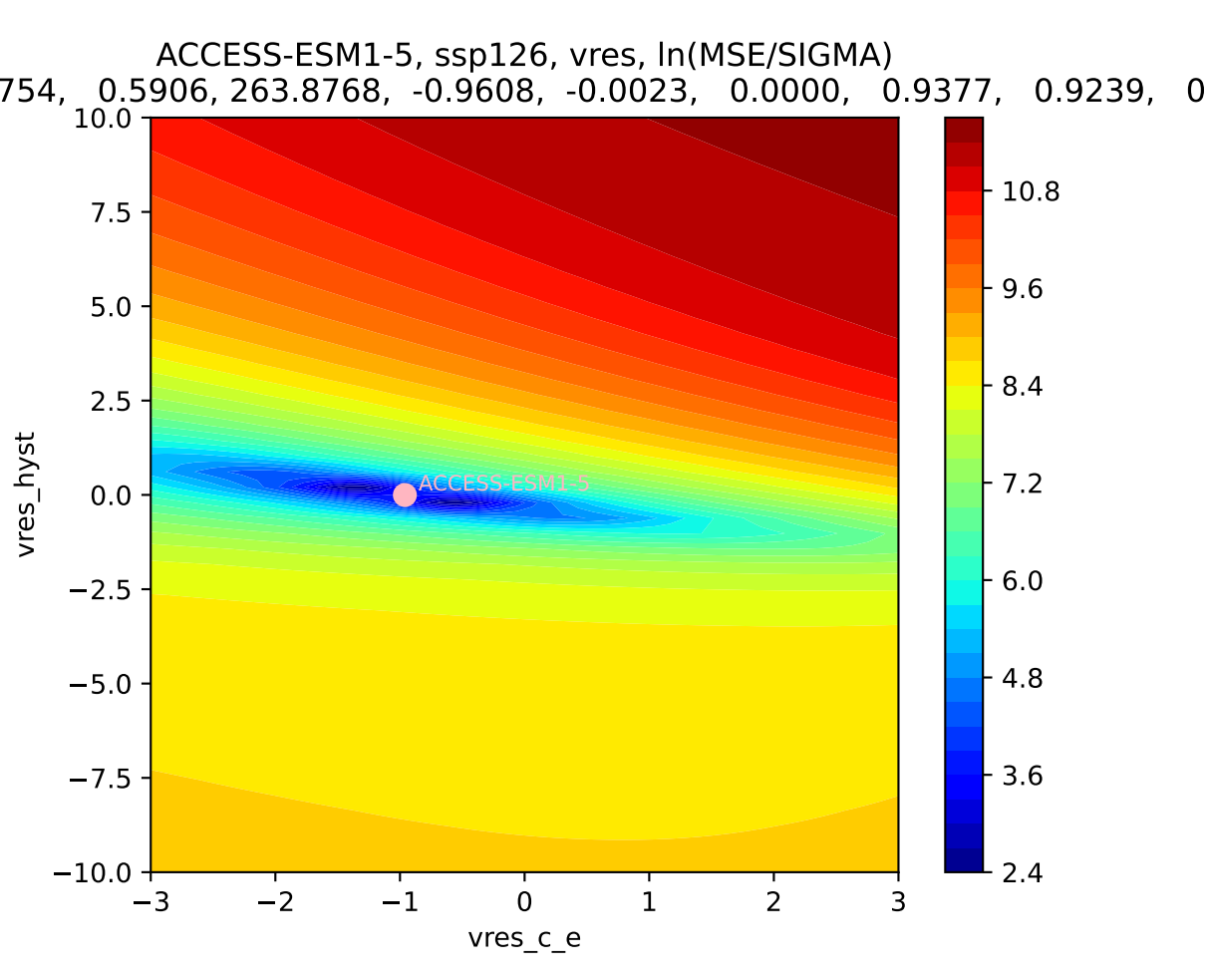

ACCESS-ESM1-5, ssp126, vres
ESM-Fit
vres, ESM - FIT
ΔT

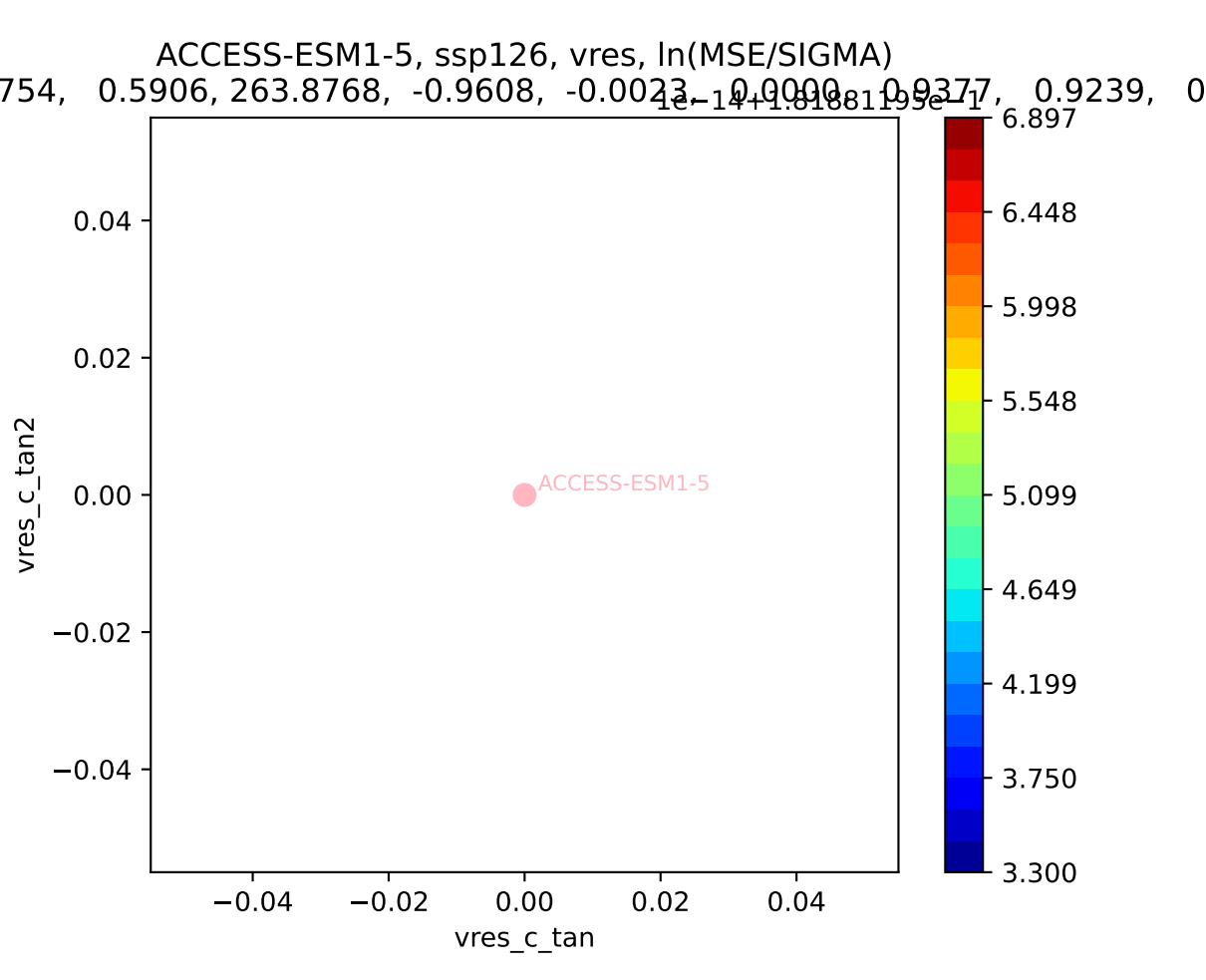

ACCESS-ESM1-5, ssp126, vres
ESM
Fit
vres
c_atm

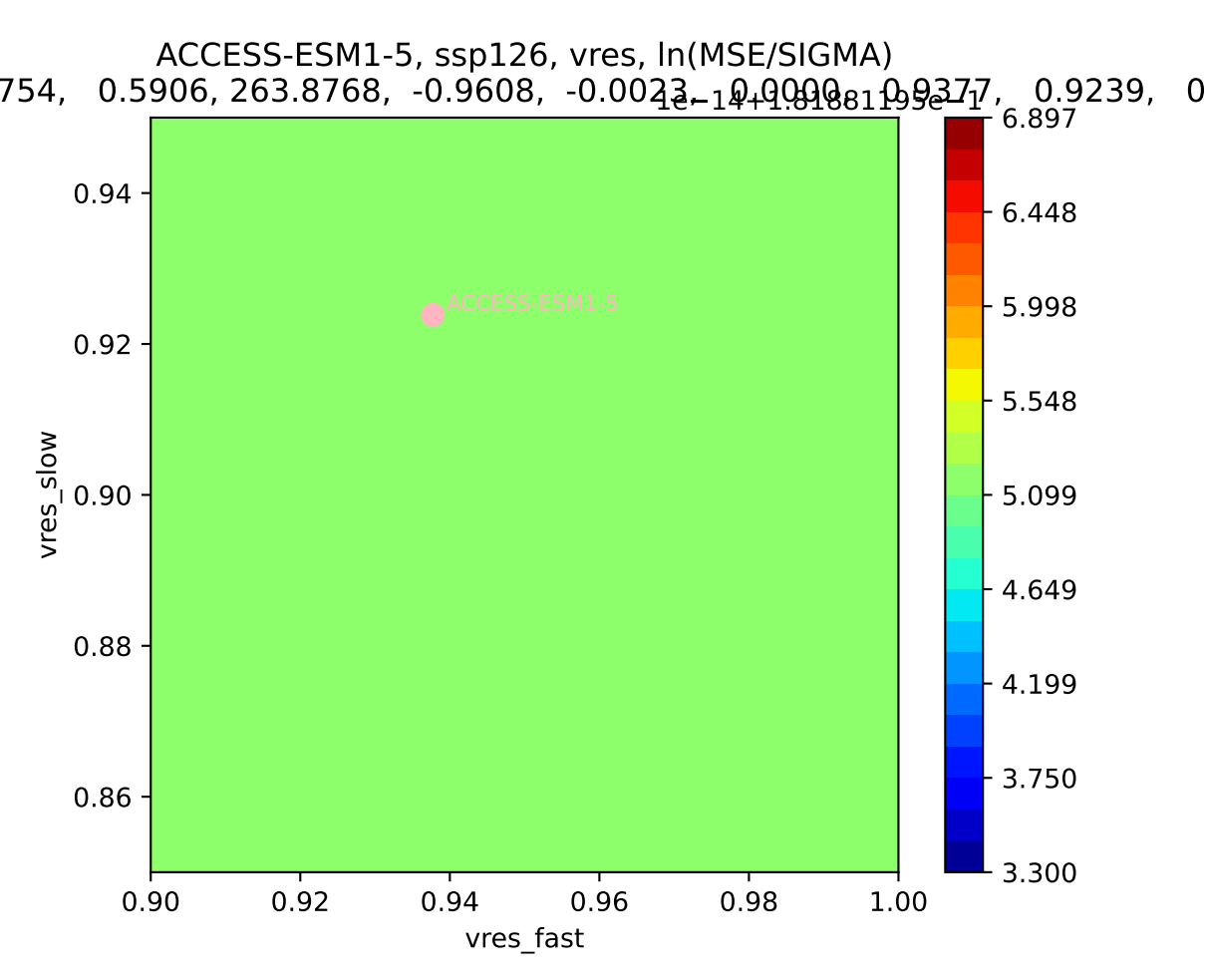

ACCESS-ESM1-5, ssp126, vres
ESM-Fit
vres, ESM - FIT
c_atm

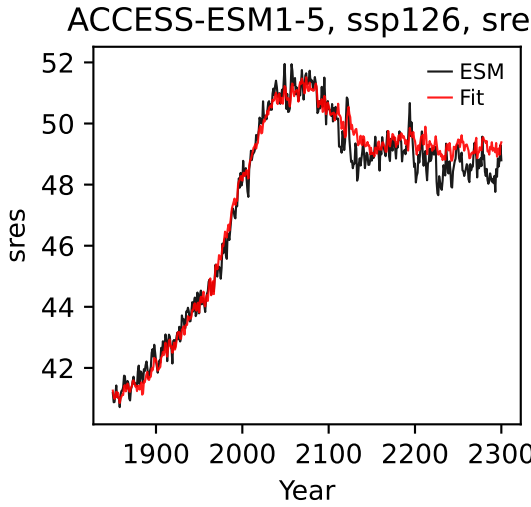

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
754, 0.5906, 263.8768, -0.9608, -0.0023, 0.0000, 0.9377, 0.9239, 0
ACCESS-ESM1-5
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

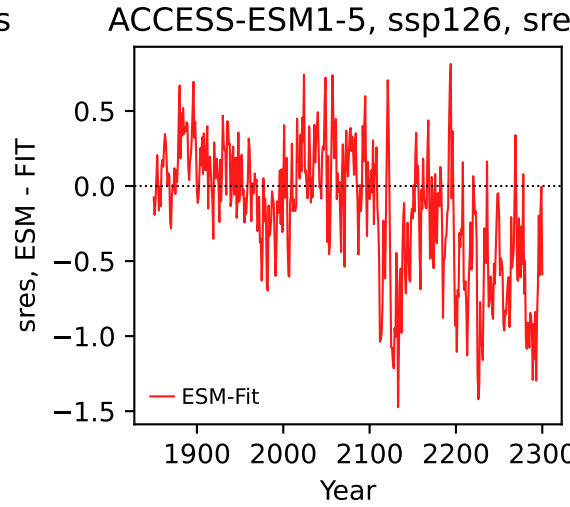

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
754, 0.5906, 263.8768, -0.9608, -0.0023, 0.0000, 0.9377, 0.9239, 0
vres_c_half
vres_c_l
ACCESS-ESM1-5
0
250
500
750
1000
1250
1500
1750
2000
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0
1
2
3
4
5
6
7
8

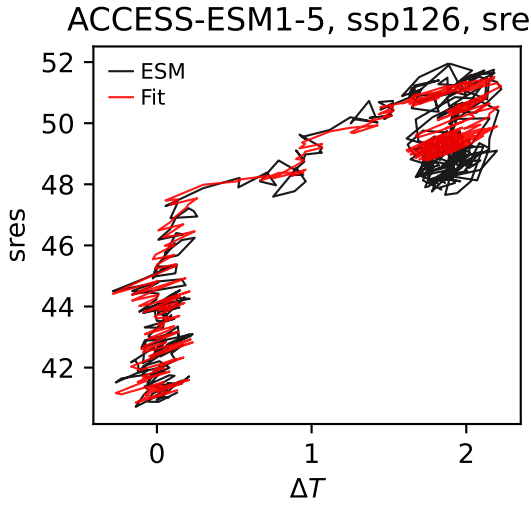

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
754, 0.5906, 263.8768, -0.9608, -0.0023, 0.0000, 0.9377, 0.9239, 0
ACCESS-ESM1-5
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4

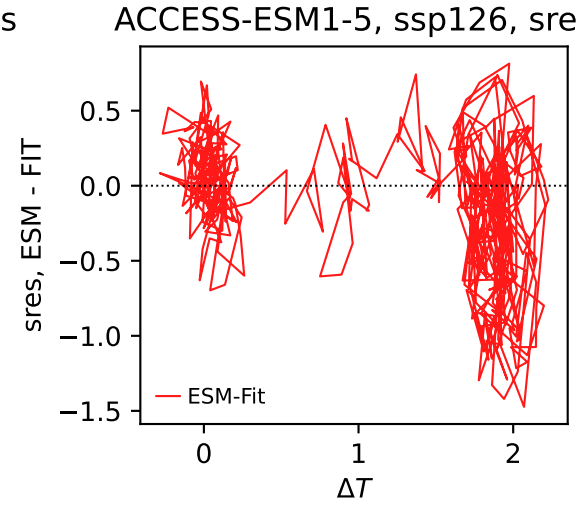

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
754, 0.5906, 263.8768, -0.9608, -0.0023, 0.0000, 0.9377, 0.9239, 0
1e−14+1.818811e−1
6.897
6.448
5.998
5.548
5.099
4.649
4.199
3.750
3.300
0.04
0.02
0.00
−0.02
−0.04
vres_c_tan2
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
vres_c_tan

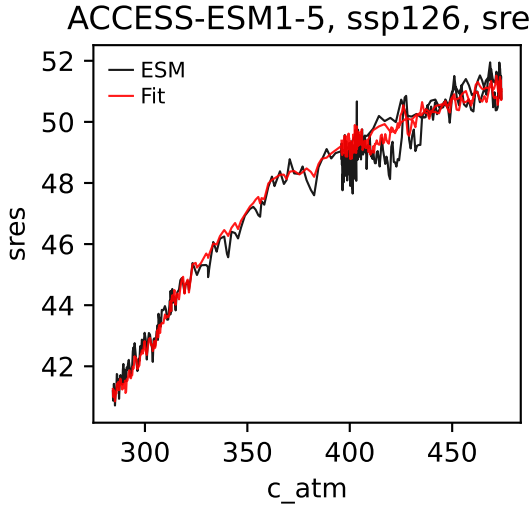

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
754, 0.5906, 263.8768, -0.9608, -0.0023, 0.0000, 0.9377, 0.9239, 0
1e−14+1.818811 95e−1
ACCESS-ESM1-5
vres_slow
vres_fast
0.94
0.92
0.90
0.88
0.86
0.90
0.92
0.94
0.96
0.98
1.00
6.897
6.448
5.998
5.548
5.099
4.649
4.199
3.750
3.300

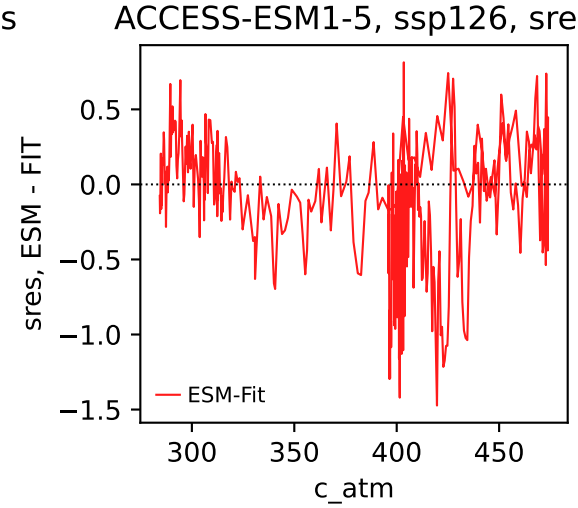

ACCESS-ESM1-5, ssp126, sres
ESM
Fit
sres
Year

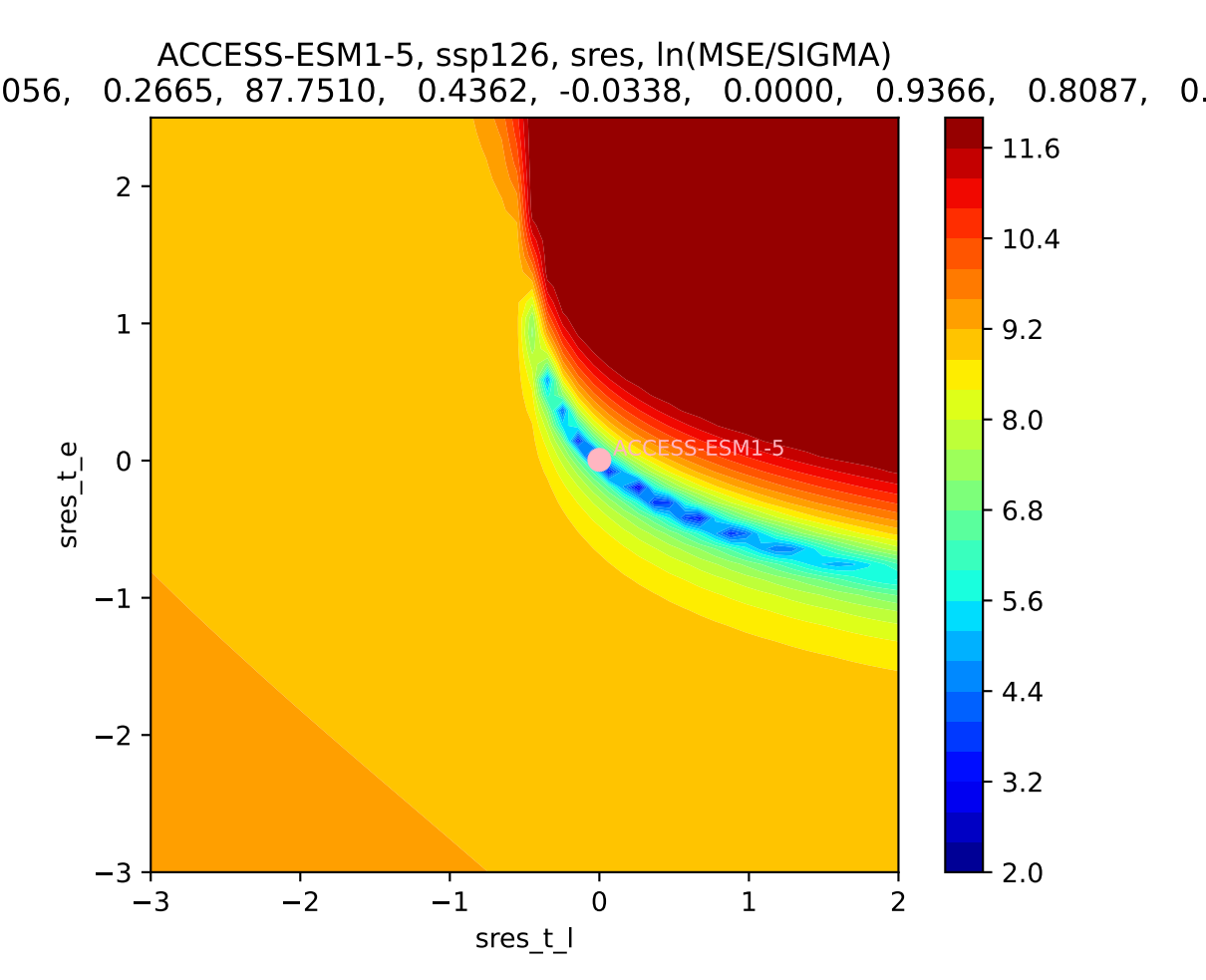

ACCESS-ESM1-5, ssp126, sres
ESM-Fit
sres, ESM - FIT
Year

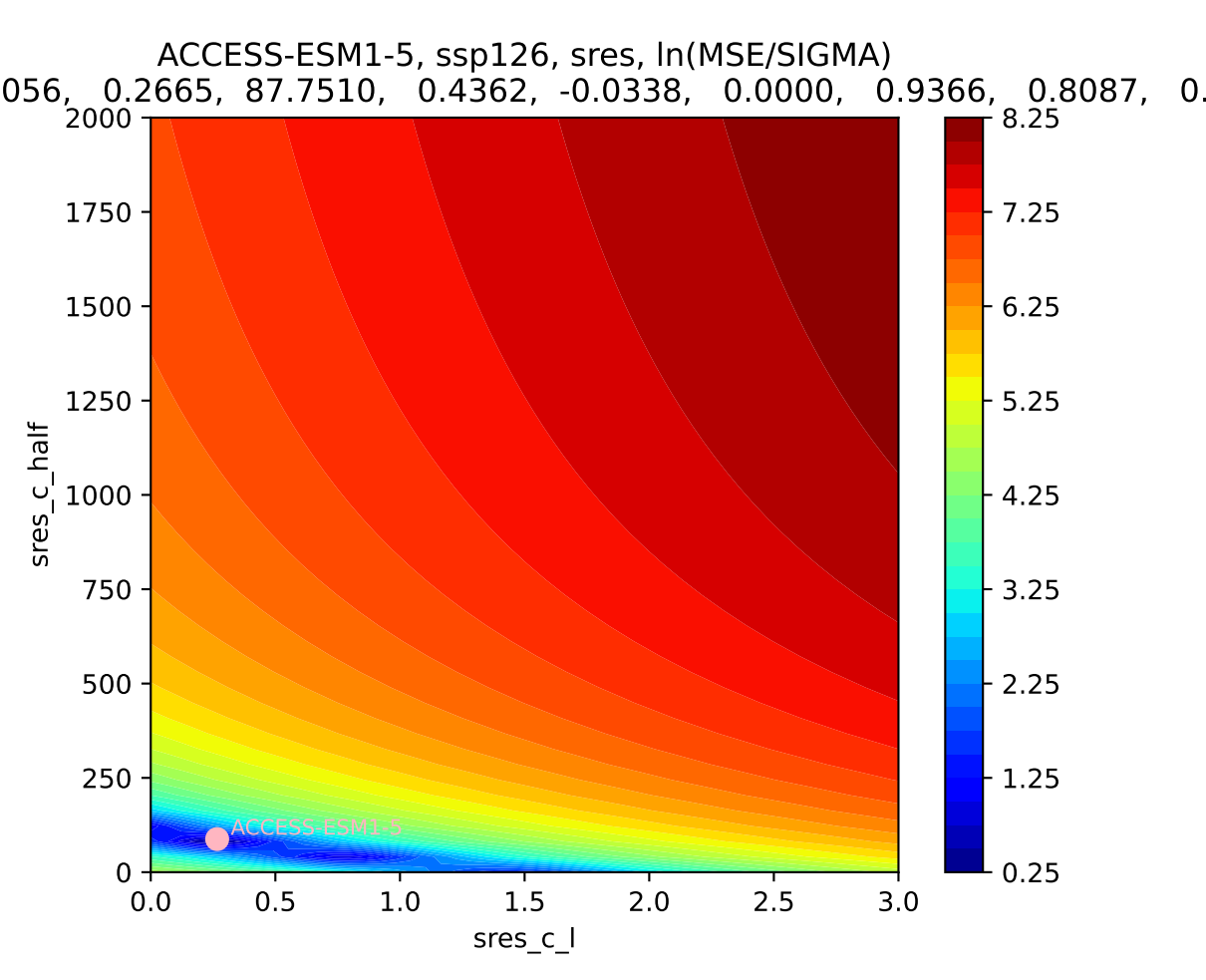

ACCESS-ESM1-5, ssp126, sres
ESM
Fit
sres
ΔT

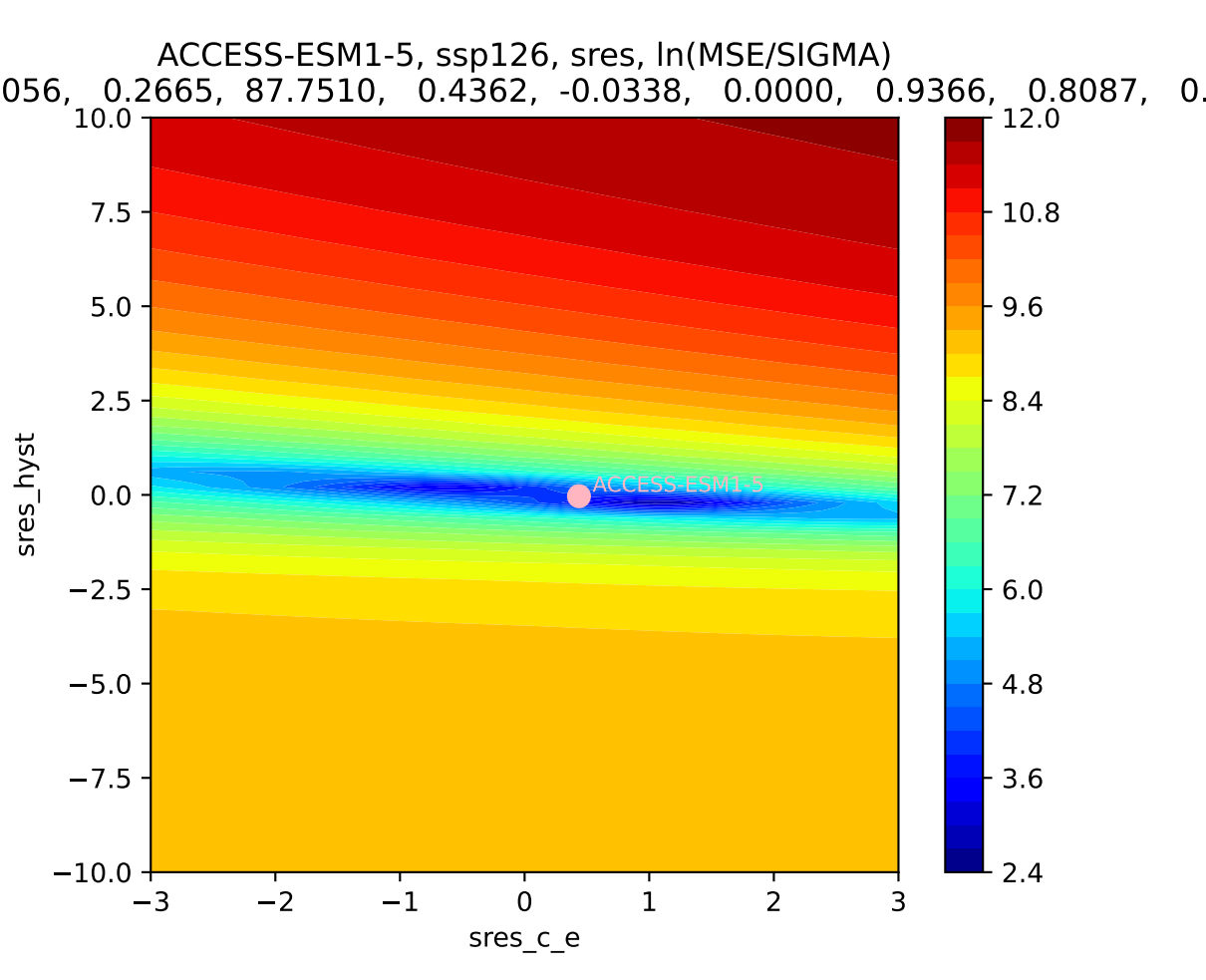

ACCESS-ESM1-5, ssp126, sres
ESM-Fit
sres, ESM - FIT
ΔT

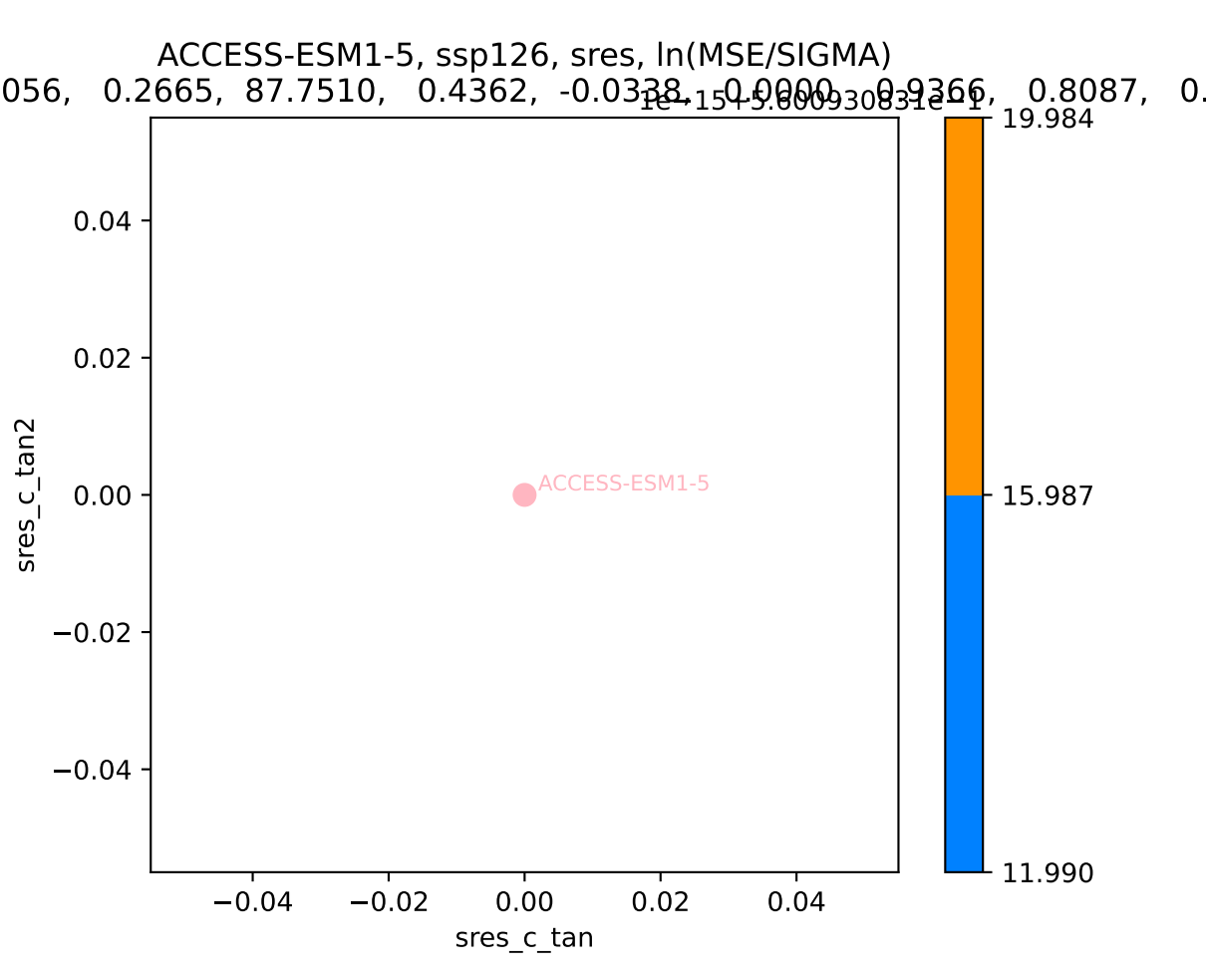

ACCESS-ESM1-5, ssp126, sres
ESM
Fit
sres
c_atm

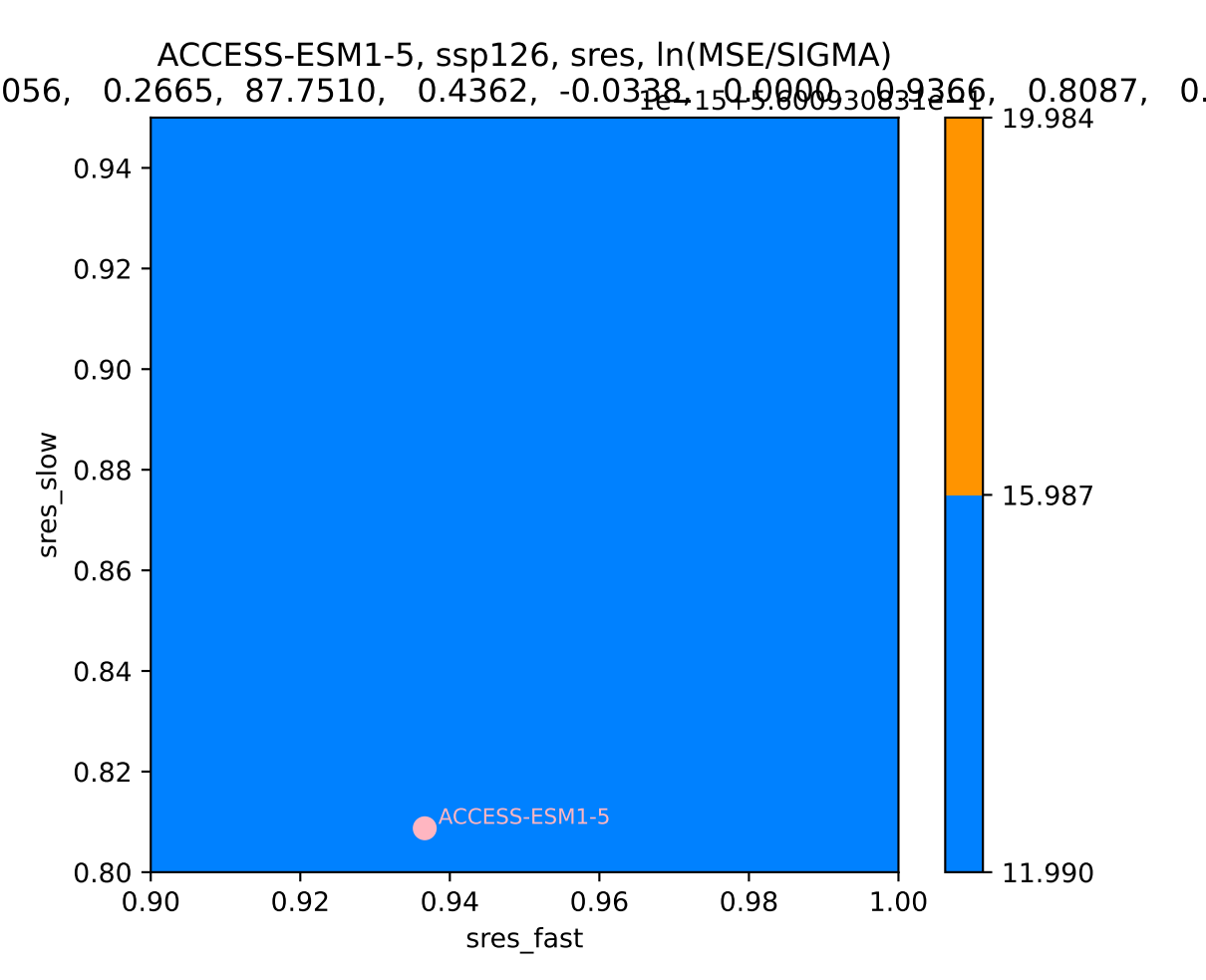

ACCESS-ESM1-5, ssp126, sres
ESM-Fit
sres, ESM - FIT
c_atm

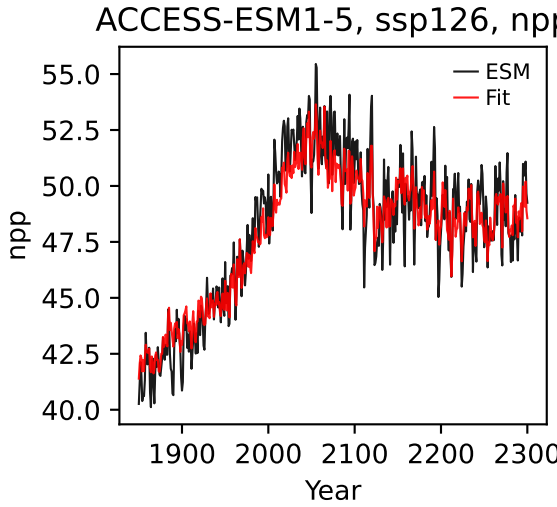

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
056, 0.2665, 87.7510, 0.4362, -0.0338, 0.0000, 0.9366, 0.8087, 0.
ACCESS-ESM1-5
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
11.6
10.4
9.2
8.0
6.8
5.6
4.4
3.2
2.0

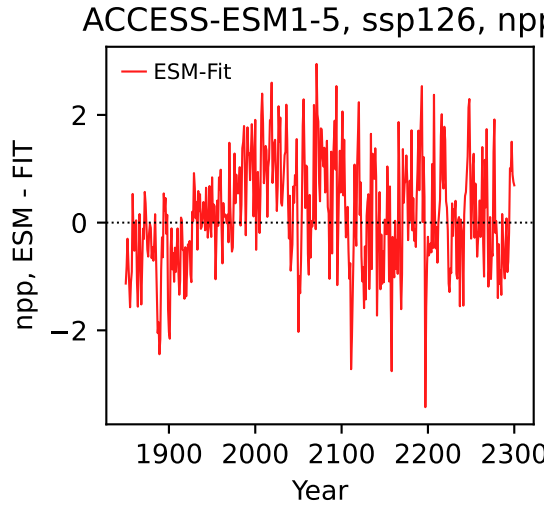

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
056, 0.2665, 87.7510, 0.4362, -0.0338, 0.0000, 0.9366, 0.8087, 0.
2000
1750
1500
1250
1000
750
500
250
0
sres_c_half
0.0
0.5
1.0
1.5
2.0
2.5
3.0
sres_c_l
ACCESS-ESM1-5
8.25
7.25
6.25
5.25
4.25
3.25
2.25
1.25
0.25

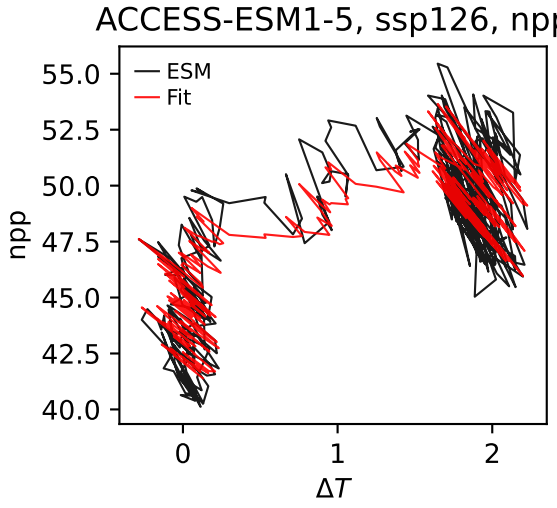

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
056, 0.2665, 87.7510, 0.4362, -0.0338, 0.0000, 0.9366, 0.8087, 0.
ACCESS-ESM1-5
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
12.0
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4

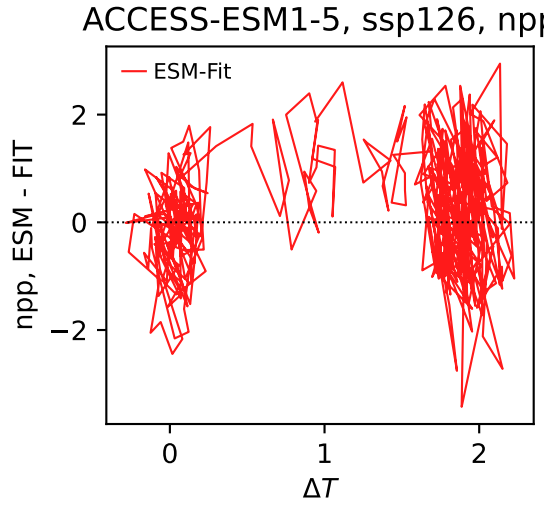

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
056, 0.2665, 87.7510, 0.4362, -0.0338, 0.0000, 0.9366, 0.8087, 0.
1e+15 5.000930831e-1
19.984
15.987
11.990
ACCESS-ESM1-5
sres_c_tan2
sres_c_tan
0.04
0.02
0.00
−0.02
−0.04
−0.04
−0.02
0.00
0.02
0.04

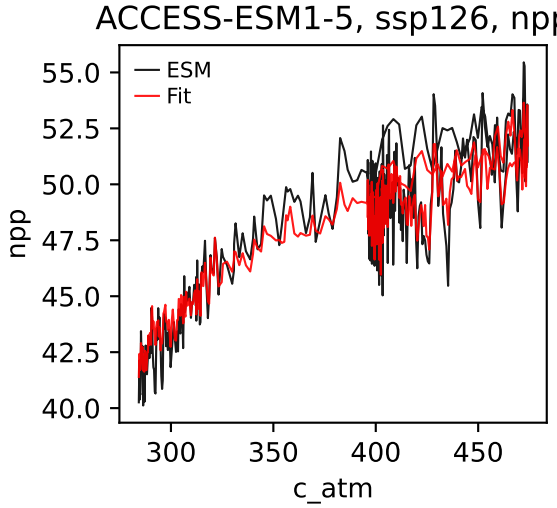

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
056, 0.2665, 87.7510, 0.4362, -0.0338, 0.0000, 0.9366, 0.8087, 0.
1e+15+5.000930831e-1
19.984
15.987
11.990
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
sres_slow
ACCESS-ESM1-5
0.90
0.92
0.94
0.96
0.98
1.00
sres_fast

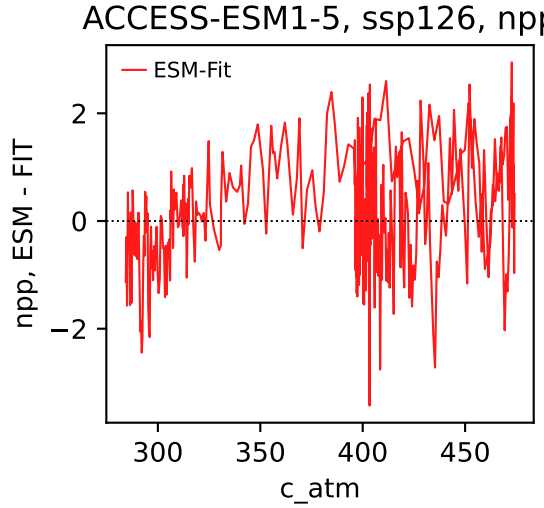

ACCESS-ESM1-5, ssp126, npp
ESM
Fit
npp
55.0
52.5
50.0
47.5
45.0
42.5
40.0
1900
2000
2100
2200
2300
Year

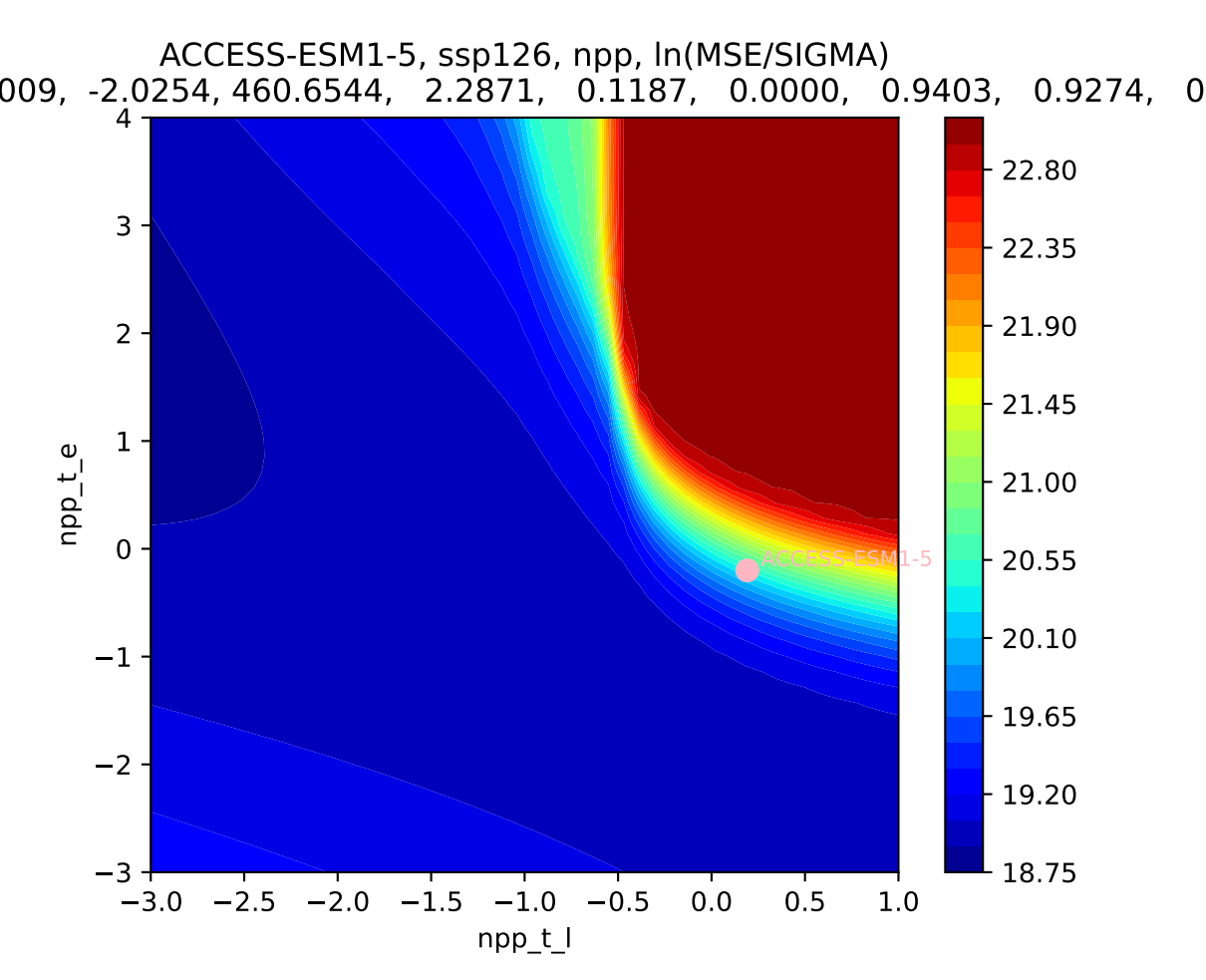

ACCESS-ESM1-5, ssp126, npp
ESM-Fit
npp, ESM - FIT
2
0
−2
1900
2000
2100
2200
2300
Year

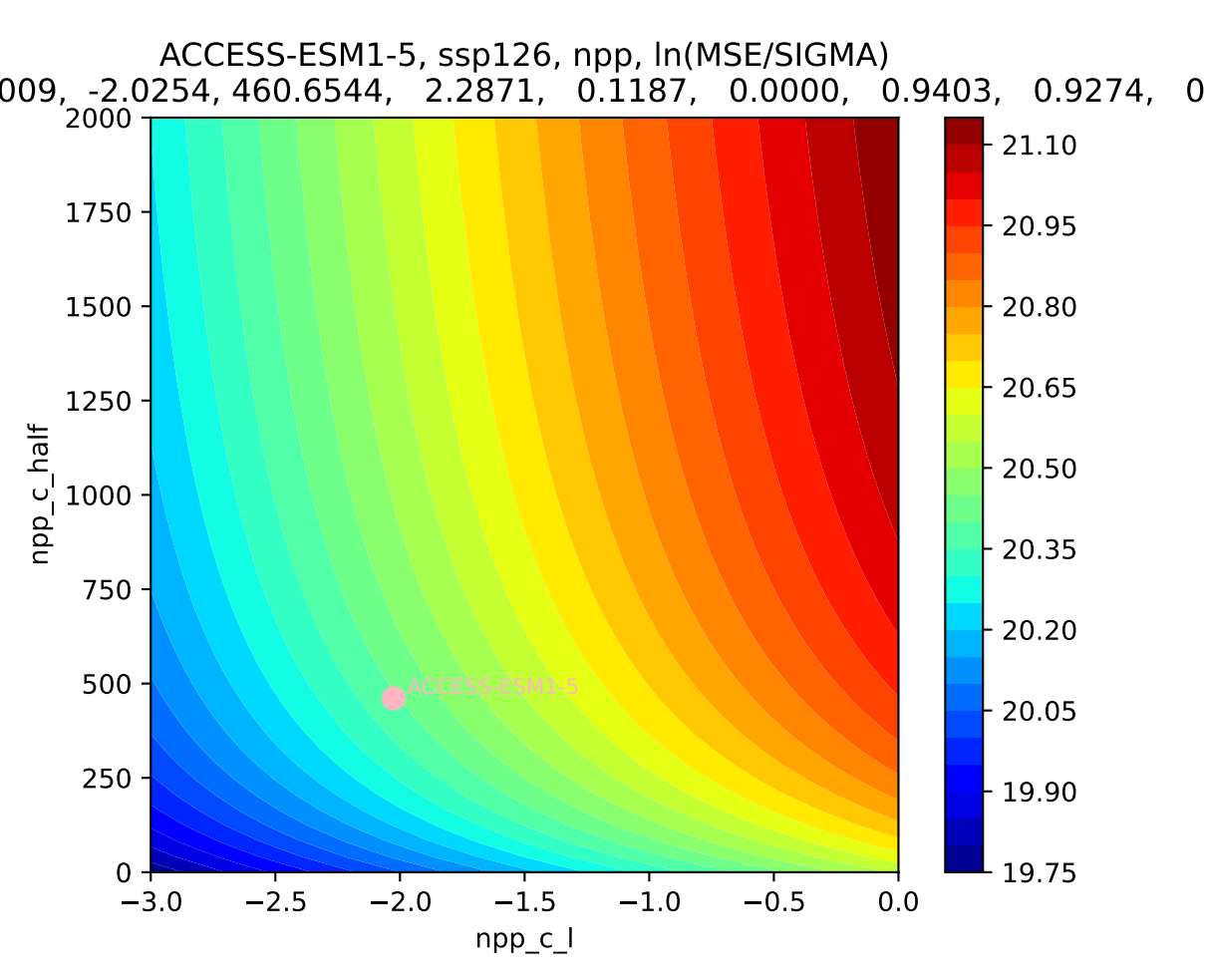

ACCESS-ESM1-5, ssp126, npp
ESM
Fit
npp
55.0
52.5
50.0
47.5
45.0
42.5
40.0
0
1
2
ΔT

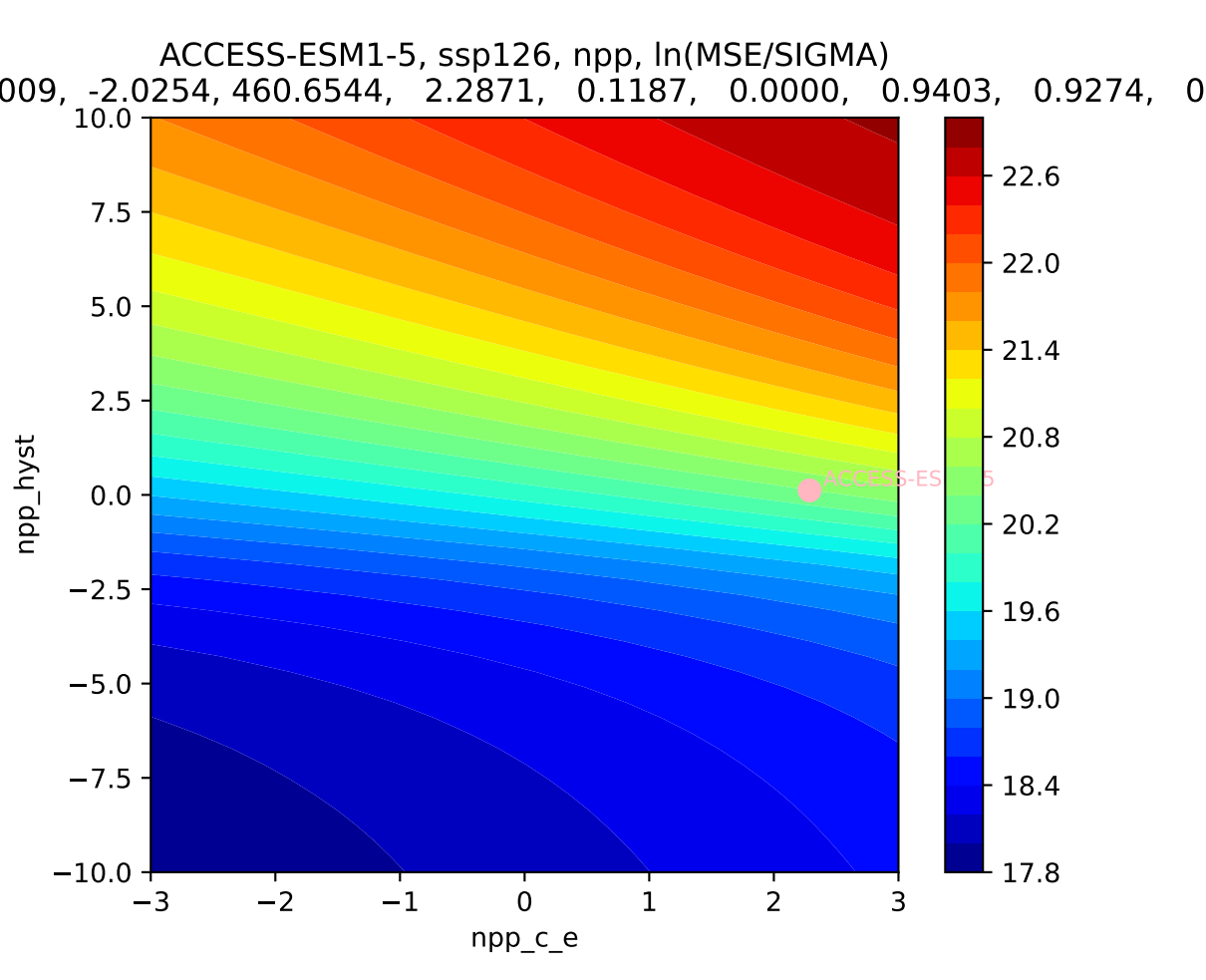

ACCESS-ESM1-5, ssp126, npp
ESM-Fit
npp, ESM - FIT
2
0
−2
0
1
2
ΔT

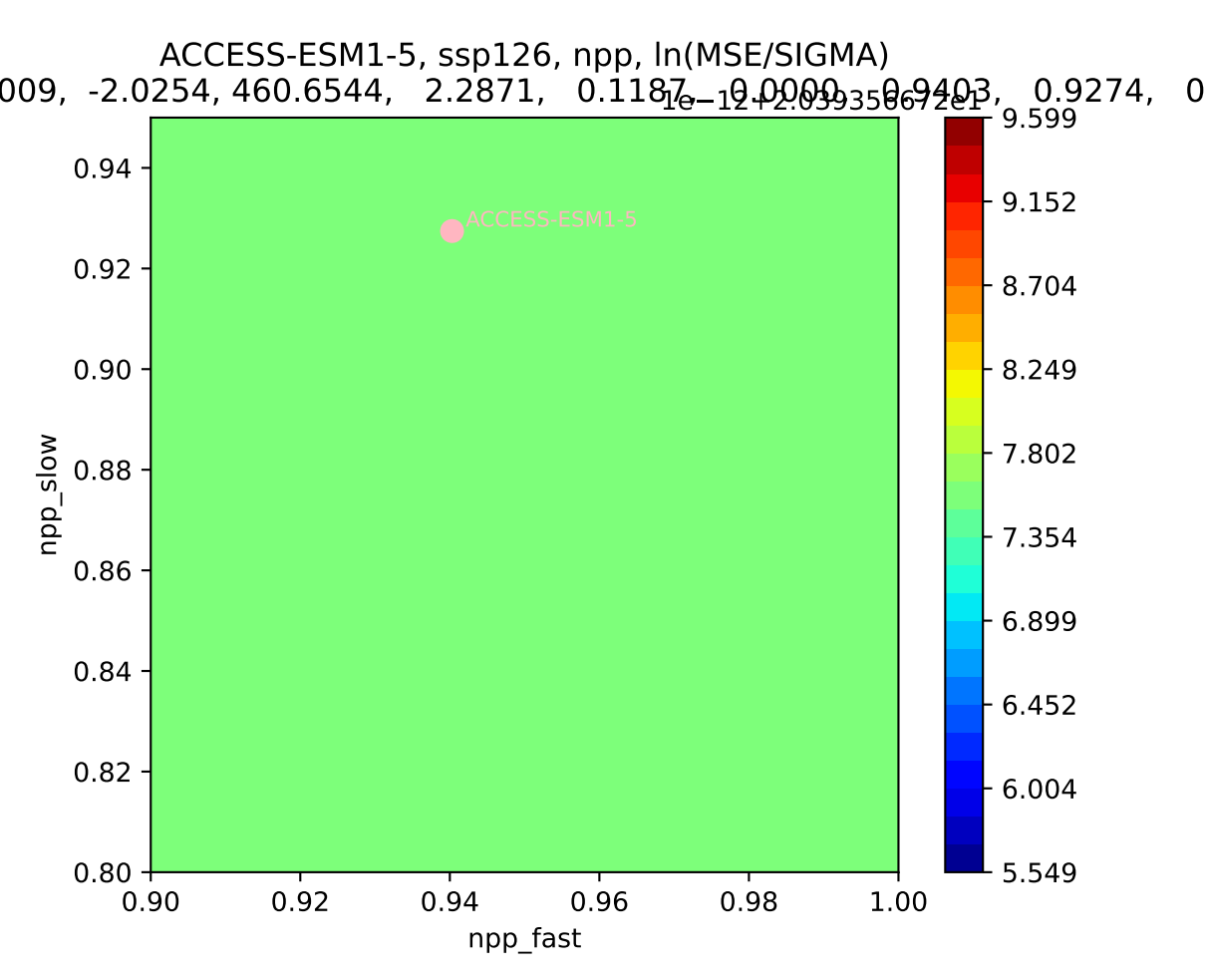

ACCESS-ESM1-5, ssp126, npp
ESM
Fit
npp
55.0
52.5
50.0
47.5
45.0
42.5
40.0
300
350
400
450
c_atm

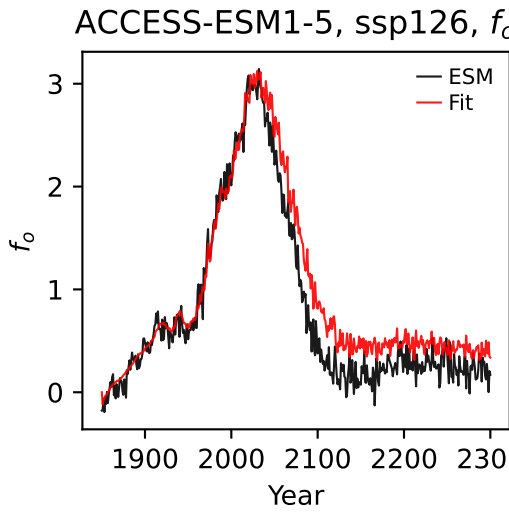

ACCESS-ESM1-5, ssp126, npp
ESM-Fit
npp, ESM - FIT
2
0
−2
300
350
400
450
c_atm

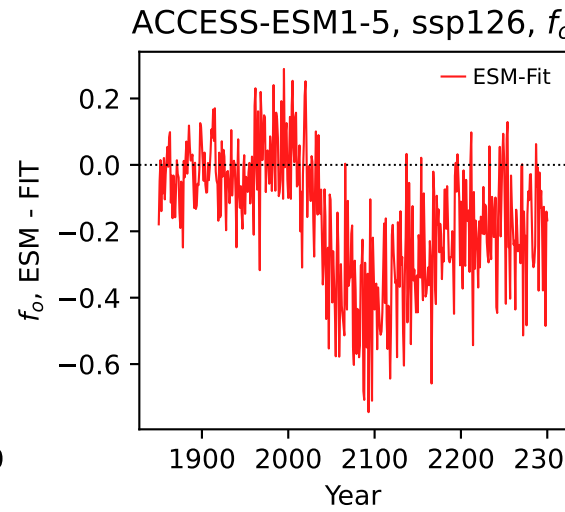

ACCESS-ESM1-5, ssp126, npp, ln(MSE/SIGMA)
009, -2.0254, 460.6544, 2.2871, 0.1187, 0.0000, 0.9403, 0.9274, 0
ACCESS-ESM1-5
npp_t_e
npp_t_l
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
22.80
22.35
21.90
21.45
21.00
20.55
20.10
19.65
19.20
18.75

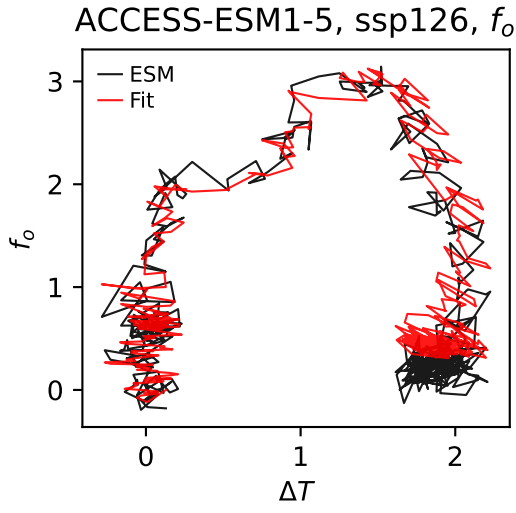

ACCESS-ESM1-5, ssp126, npp, ln(MSE/SIGMA)
009, -2.0254, 460.6544, 2.2871, 0.1187, 0.0000, 0.9403, 0.9274, 0
2000
1750
1500
1250
1000
750
500
250
0
npp_c_half
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
npp_c_l
ACCESS-ESM1-5
21.10
20.95
20.80
20.65
20.50
20.35
20.20
20.05
19.90
19.75

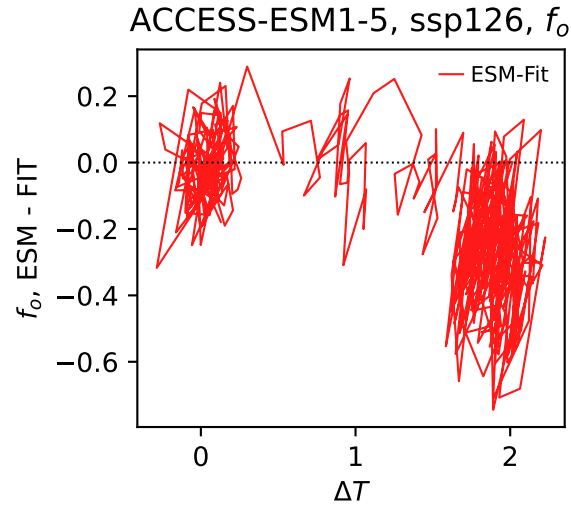

ACCESS-ESM1-5, ssp126, npp, ln(MSE/SIGMA)
009, -2.0254, 460.6544, 2.2871, 0.1187, 0.0000, 0.9403, 0.9274, 0
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
npp_hyst
−3
−2
−1
0
1
2
3
npp_c_e
22.6
22.0
21.4
20.8
20.2
19.6
19.0
18.4
17.8


ACCESS-ESM1-5, ssp126, npp, ln(MSE/SIGMA)
009, -2.0254, 460.6544, 2.2871, 0.1187, 0.0000, 0.9403, 0.9274, 0
1e−12+2.039358672e1
ACCESS-ESM1-5
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
npp_slow
0.90
0.92
0.94
0.96
0.98
1.00
npp_fast
9.599
9.152
8.704
8.249
7.802
7.354
6.899
6.452
6.004
5.549


ACCESS-ESM1-5, ssp126, f_o
ESM
Fit
f_o
Year


ACCESS-ESM1-5, ssp126, f_o
ESM-Fit
f_o, ESM - FIT
Year


ACCESS-ESM1-5, ssp126, f_o
ESM
Fit
f_o
ΔT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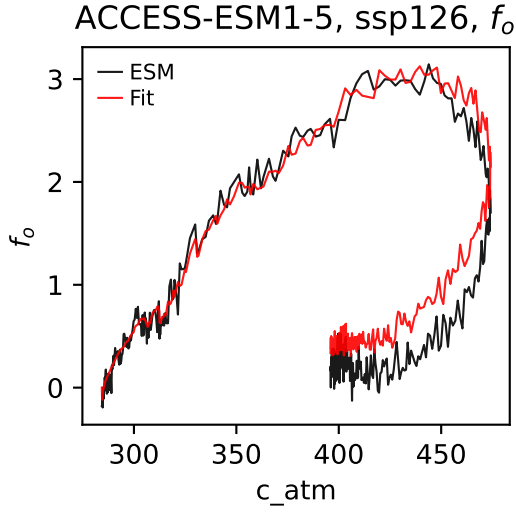
ESM-Fit
f_o, ESM - FIT
ΔT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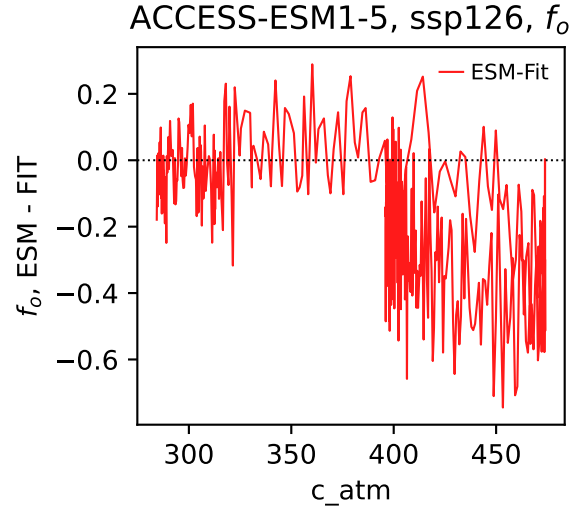
ESM
Fit
f_o
c_atm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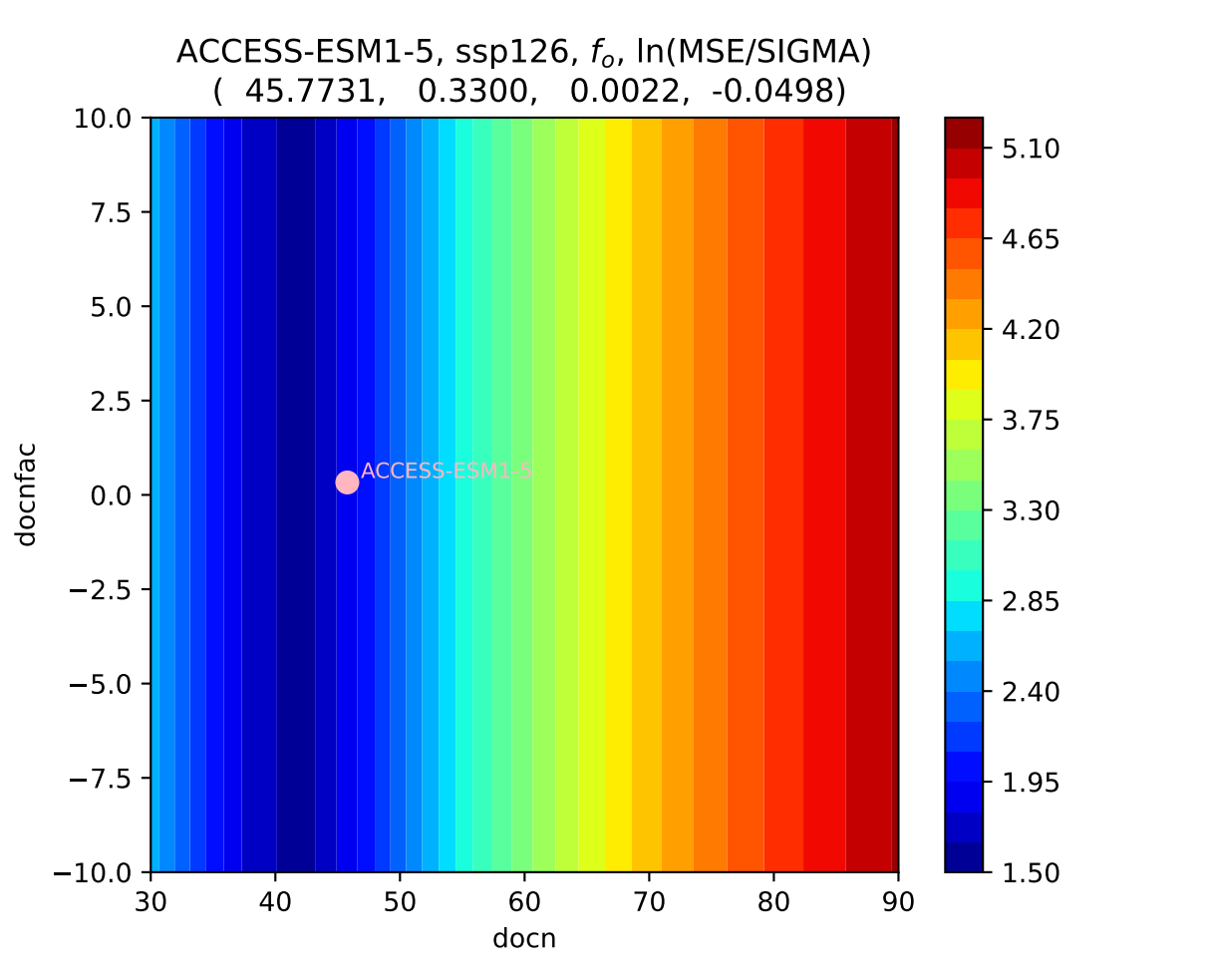
ESM-Fit
f_o, ESM - FIT
c_atm


ACCESS-ESM1-5, ssp126, f_o, ln(MSE/SIGMA)
(45.7731, 0.3300, 0.0022, -0.0498)
ACCESS-ESM1-5
docnfac
docn
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
30
40
50
60
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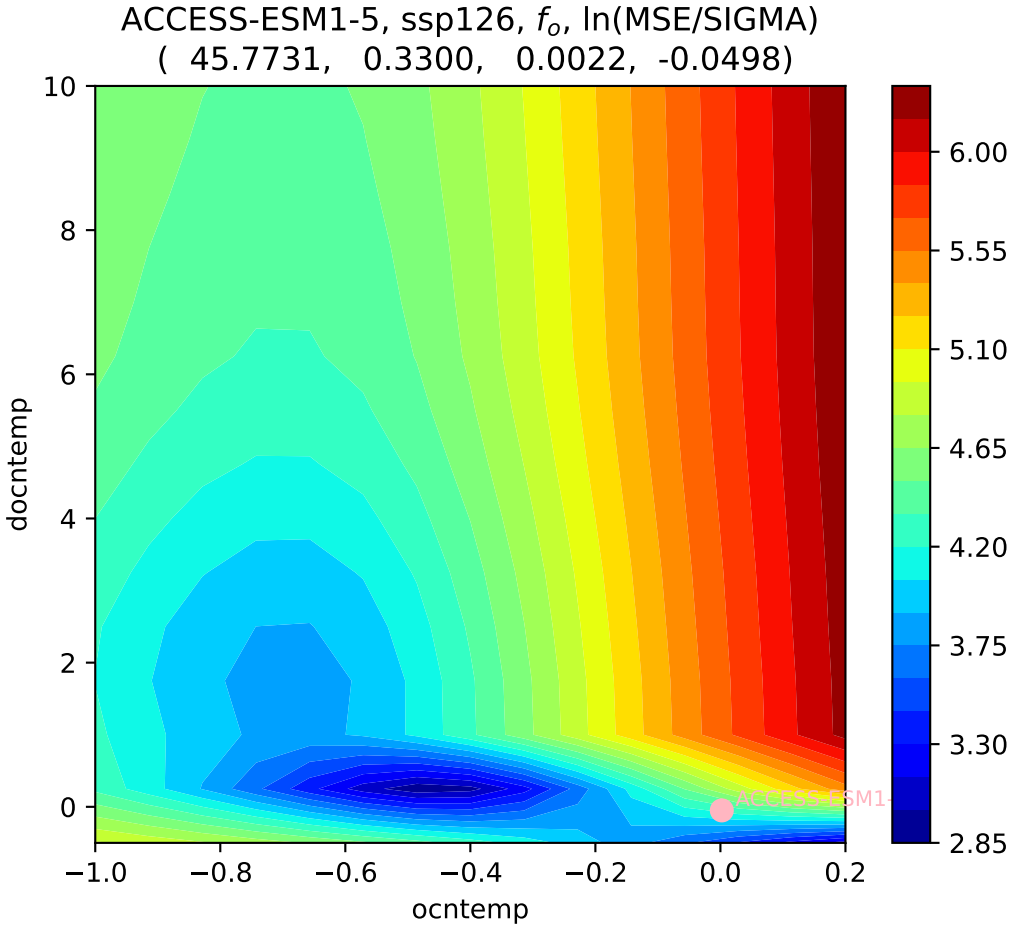
1.50


ACCESS-ESM1-5, ssp126, f_o, ln(MSE/SIGMA)
(45.7731, 0.3300, 0.0022, -0.0498)
docntemp
ocntemp
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6
4
2
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6.00
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4.20
3.75
3.30
2.85
ACCESS-ESM1-