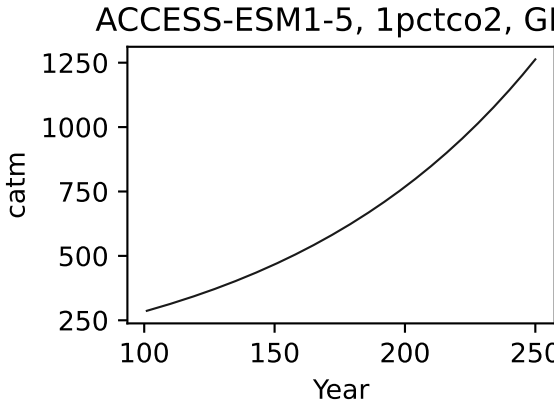
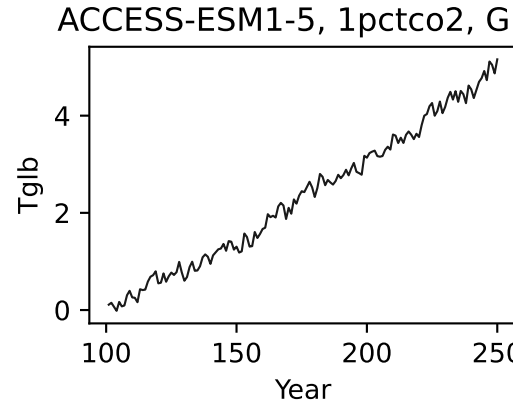
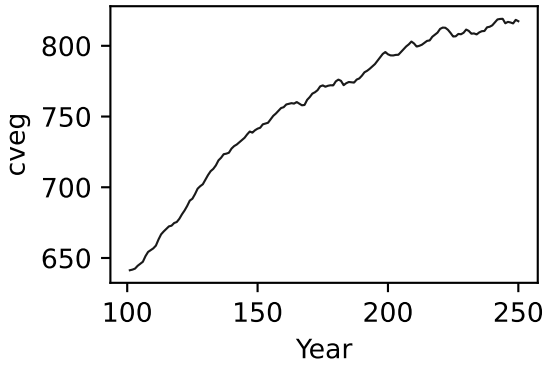
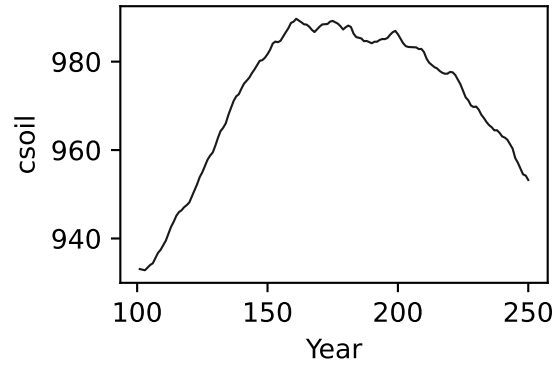
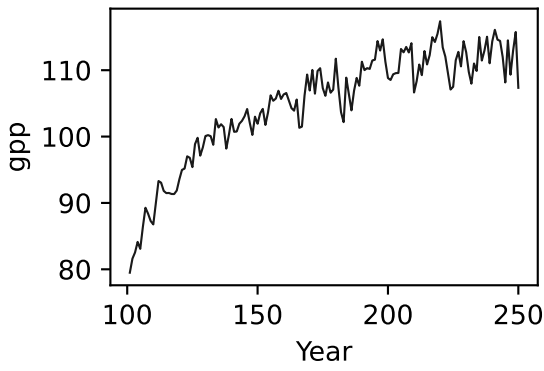
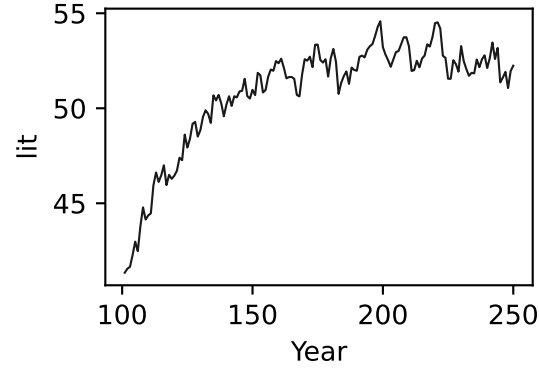

ACCESS-ESM1-5, 1pctco2, GPP
catm
Year

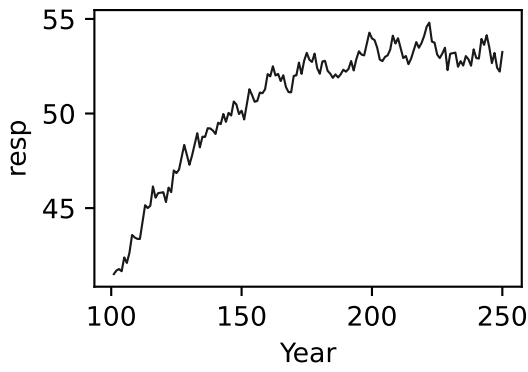

ACCESS-ESM1-5, 1pctco2, GPP
Tglb
Year

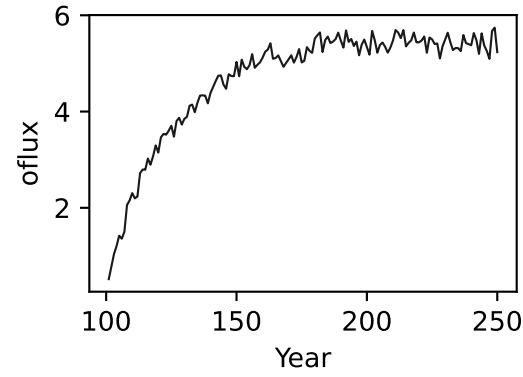

cveg
Year

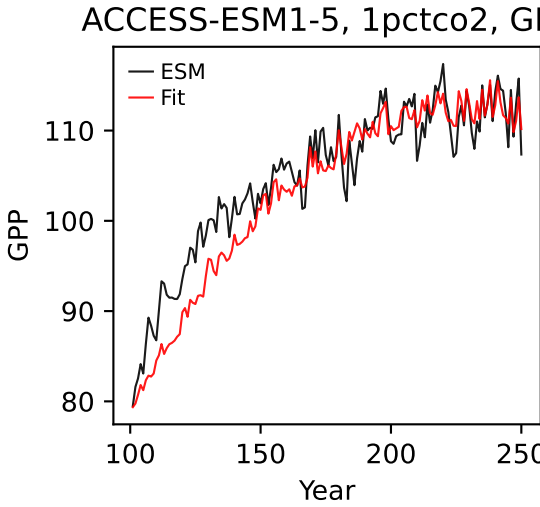

csoil
Year

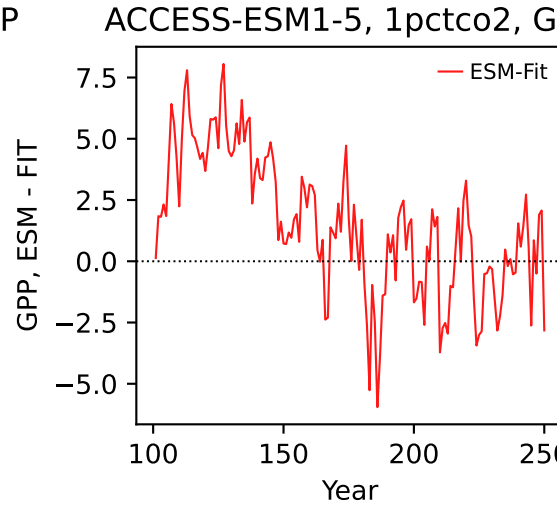

gpp
Year

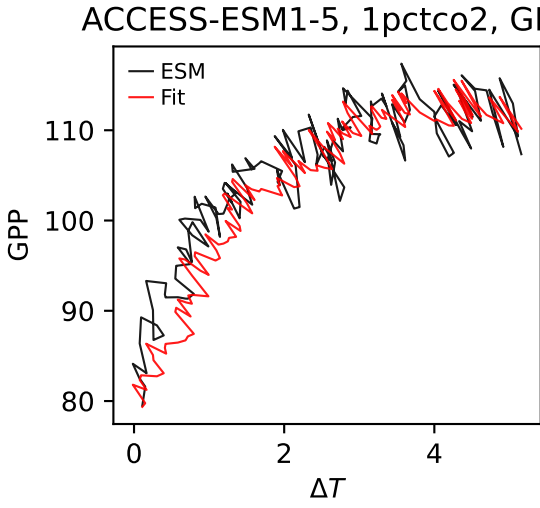

lit
Year

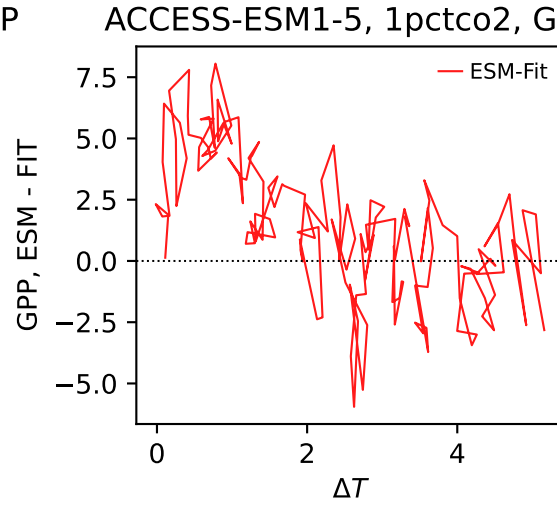

resp
Year

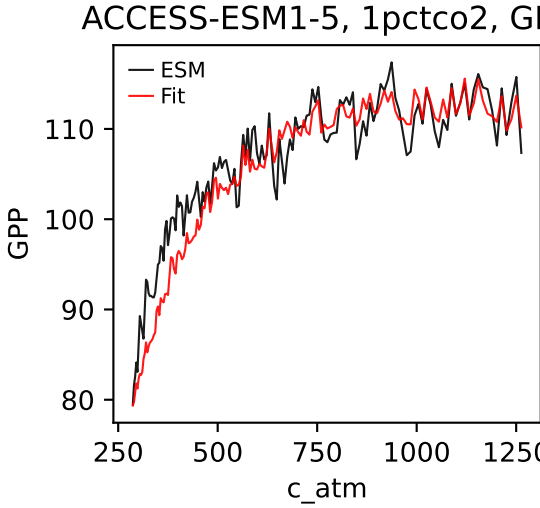

oflux
Year

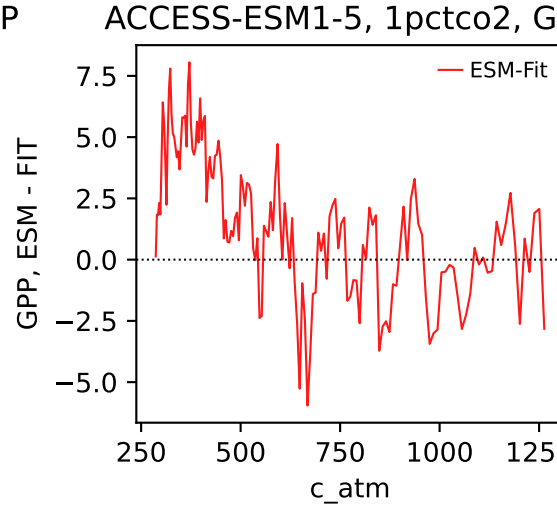

ACCESS-ESM1-5, 1pctco2, GPP
ESM
Fit
GPP
Year

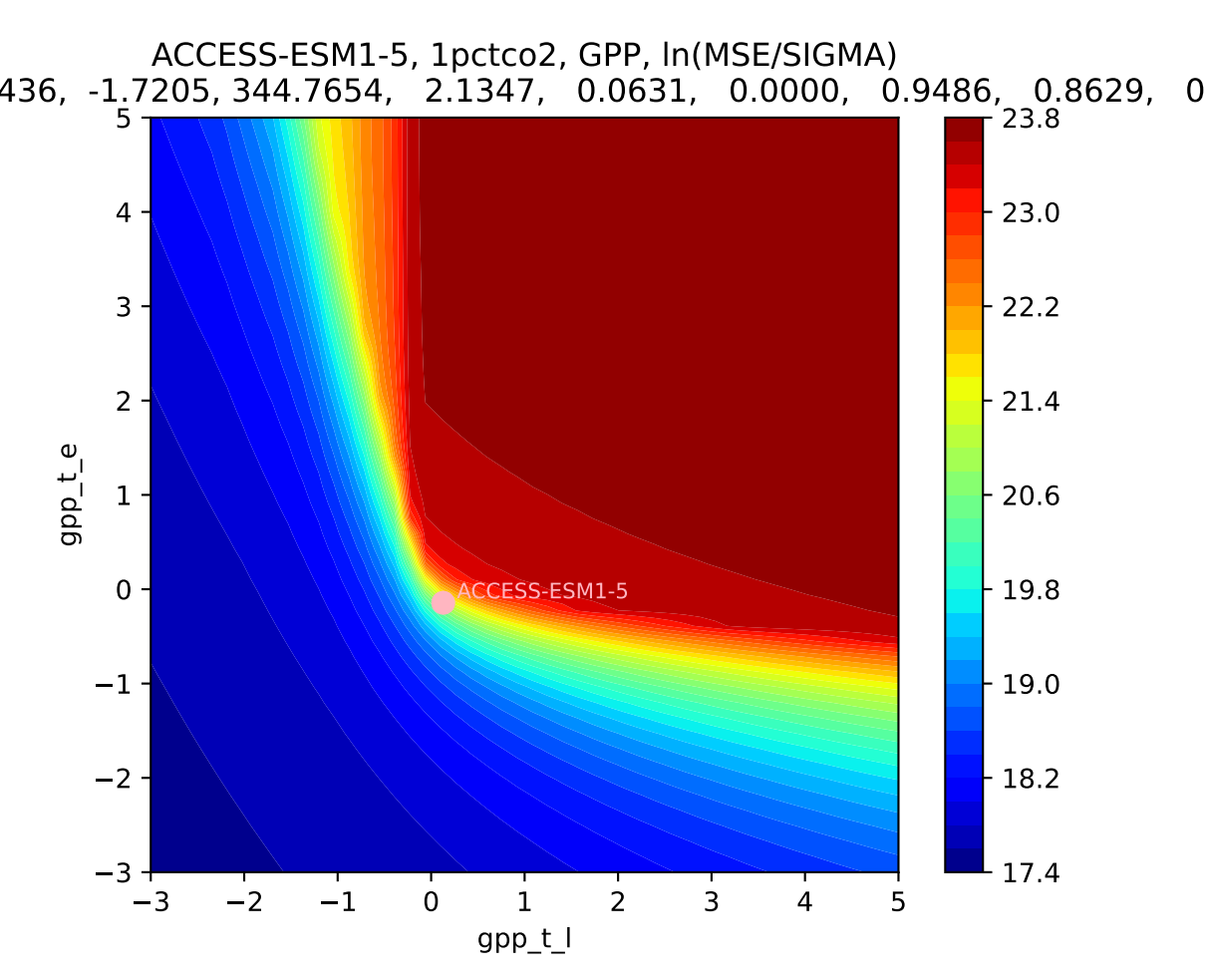

ACCESS-ESM1-5, 1pctco2, GPP
ESM-Fit
GPP, ESM - FIT
Year

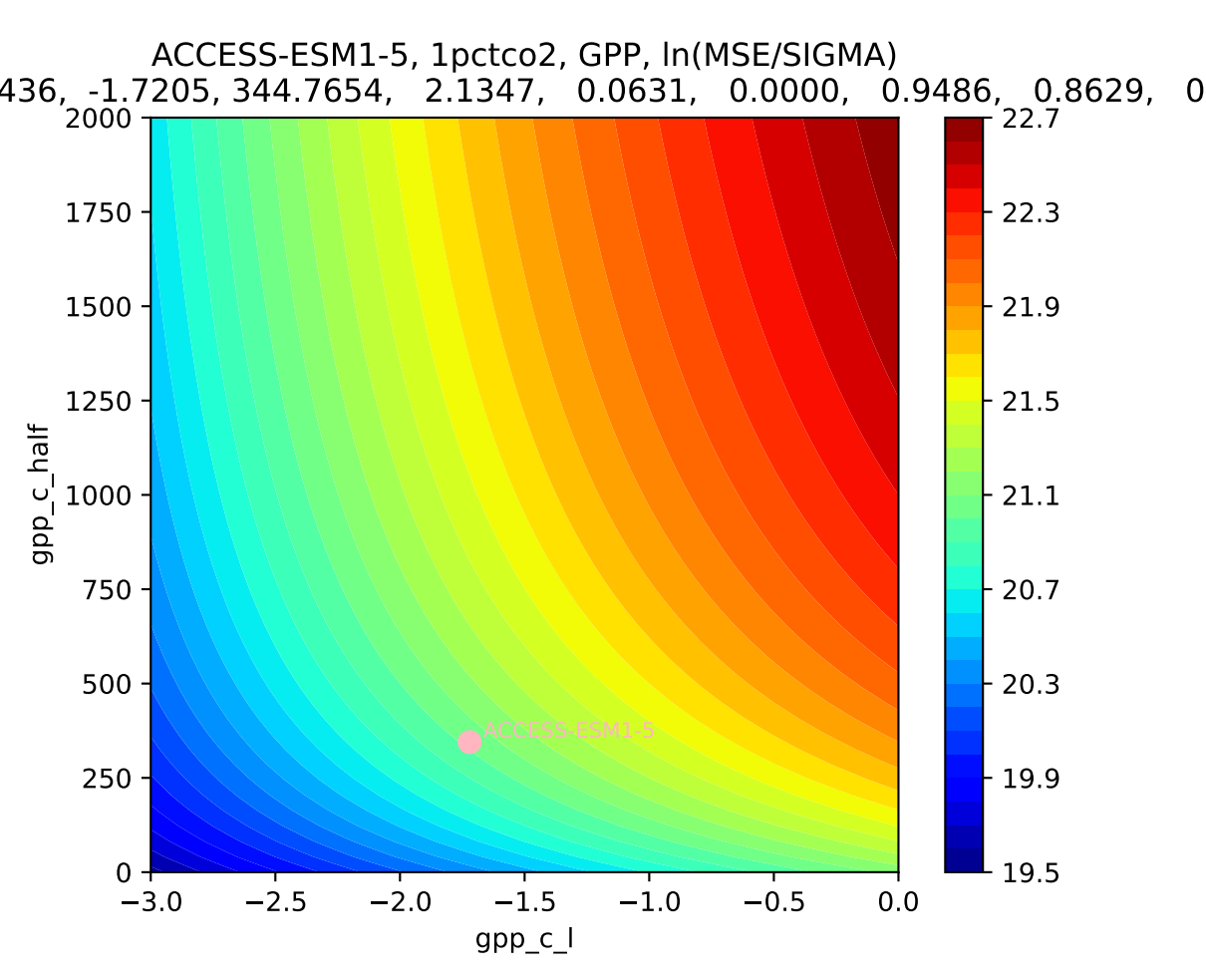

ACCESS-ESM1-5, 1pctco2, GPP
ESM
Fit
GPP
ΔT

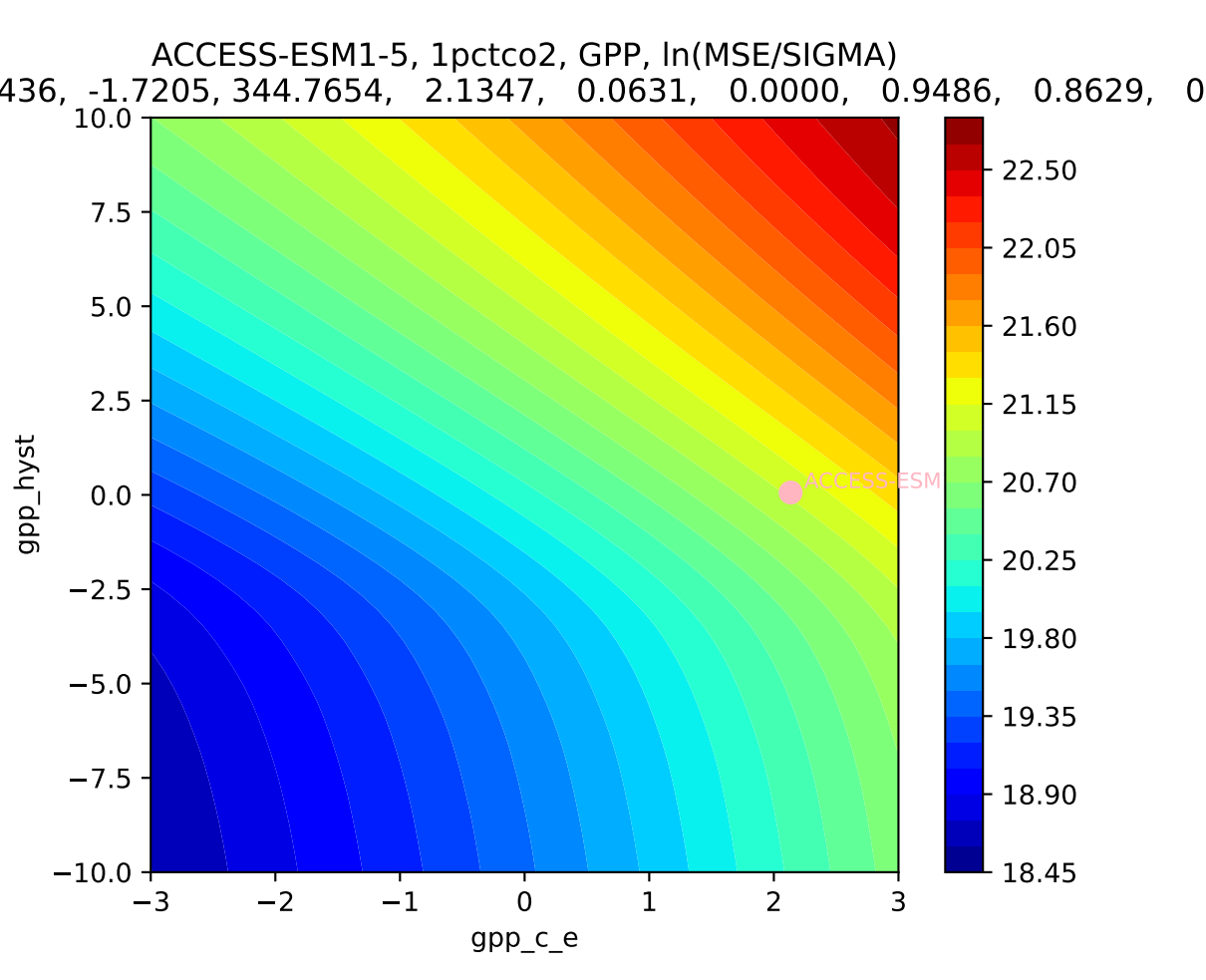

ACCESS-ESM1-5, 1pctco2, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

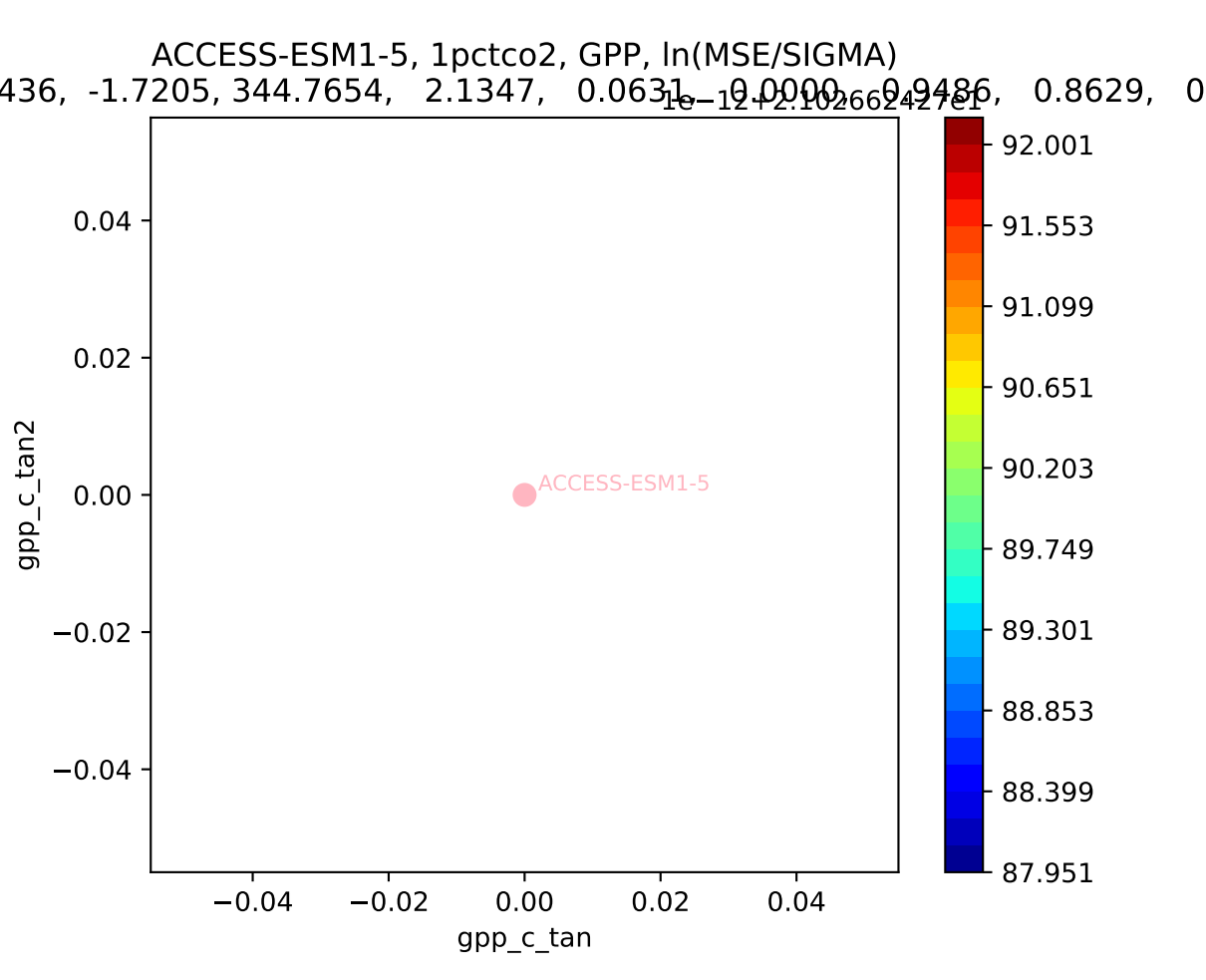

ACCESS-ESM1-5, 1pctco2, GPP
ESM
Fit
GPP
c_atm

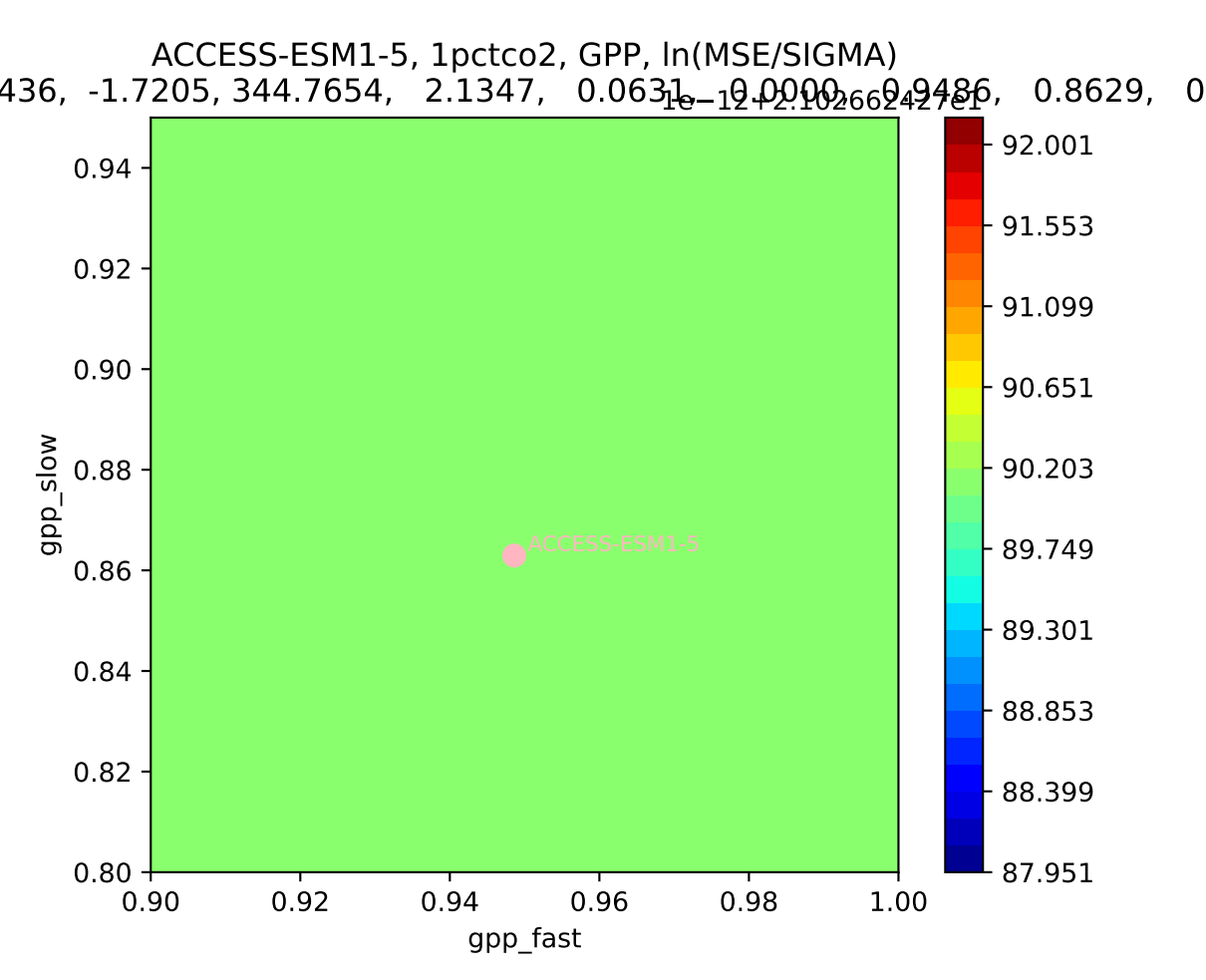

ACCESS-ESM1-5, 1pctco2, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

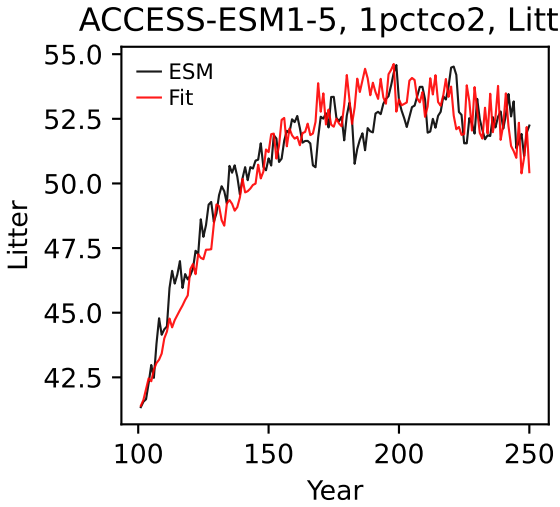

ACCESS-ESM1-5, 1pctco2, GPP, ln(MSE/SIGMA)
436, -1.7205, 344.7654, 2.1347, 0.0631, 0.0000, 0.9486, 0.8629, 0
ACCESS-ESM1-5
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
23.8
23.0
22.2
21.4
20.6
19.8
19.0
18.2
17.4

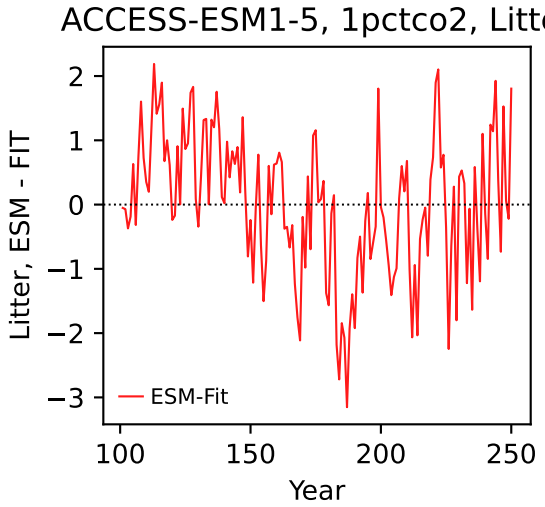

ACCESS-ESM1-5, 1pctco2, GPP, ln(MSE/SIGMA)
436, -1.7205, 344.7654, 2.1347, 0.0631, 0.0000, 0.9486, 0.8629, 0
gpp_c_half
gpp_c_l
ACCESS-ESM1-5
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
22.7
22.3
21.9
21.5
21.1
20.7
20.3
19.9
19.5

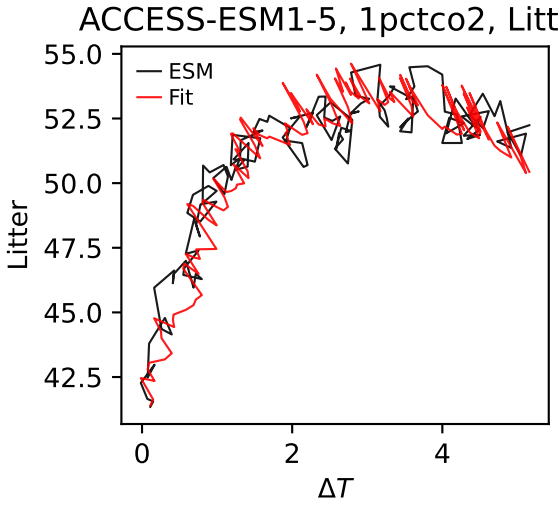

ACCESS-ESM1-5, 1pctco2, GPP, ln(MSE/SIGMA)
436, -1.7205, 344.7654, 2.1347, 0.0631, 0.0000, 0.9486, 0.8629, 0
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.50
22.05
21.60
21.15
20.70
20.25
19.80
19.35
18.90
18.45
ACCESS-ESM

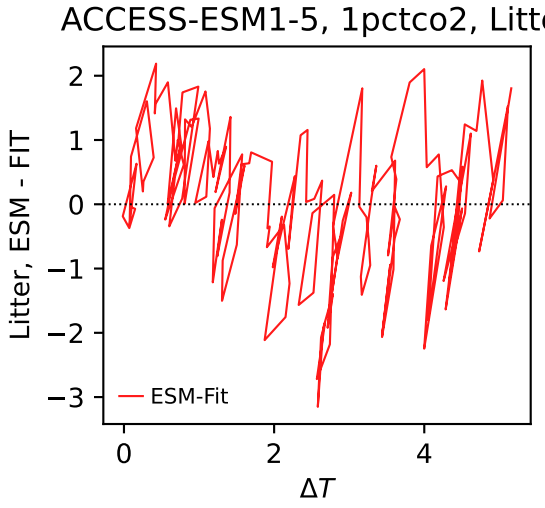

ACCESS-ESM1-5, 1pctco2, GPP, ln(MSE/SIGMA)
436, -1.7205, 344.7654, 2.1347, 0.0631, 0.0000, 0.9486, 0.8629, 0
1e−12+2.102662427e1
92.001
91.553
91.099
90.651
90.203
89.749
89.301
88.853
88.399
87.951
ACCESS-ESM1-5
0.04
0.02
0.00
−0.02
−0.04
gpp_c_tan2
−0.04
−0.02
0.00
0.02
0.04
gpp_c_tan

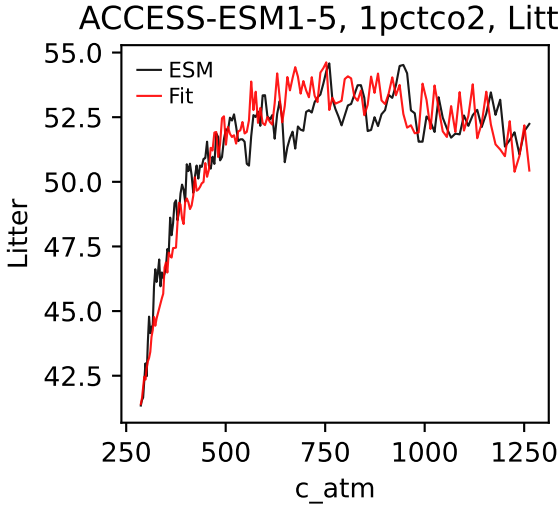

ACCESS-ESM1-5, 1pctco2, GPP, ln(MSE/SIGMA)
436, -1.7205, 344.7654, 2.1347, 0.0631, 0.0000, 0.9486, 0.8629, 0
1e−12+2.102662427e1
ACCESS-ESM1-5
gpp_slow
gpp_fast
0.80
0.82
0.84
0.86
0.88
0.90
0.92
0.94
0.90
0.92
0.94
0.96
0.98
1.00
92.001
91.553
91.099
90.651
90.203
89.749
89.301
88.853
88.399
87.951

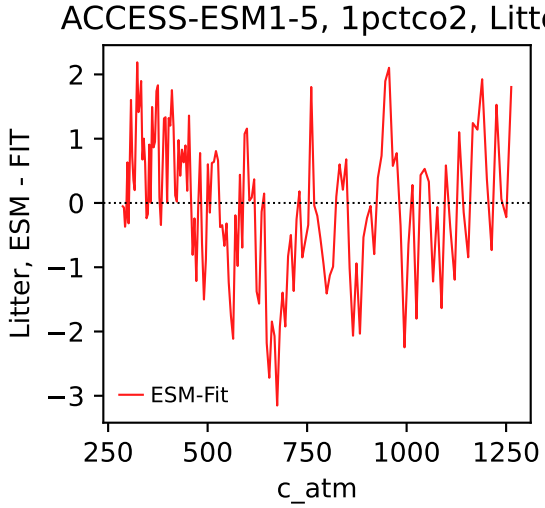

ACCESS-ESM1-5, 1pctco2, Litter
ESM
Fit
Litter
Year

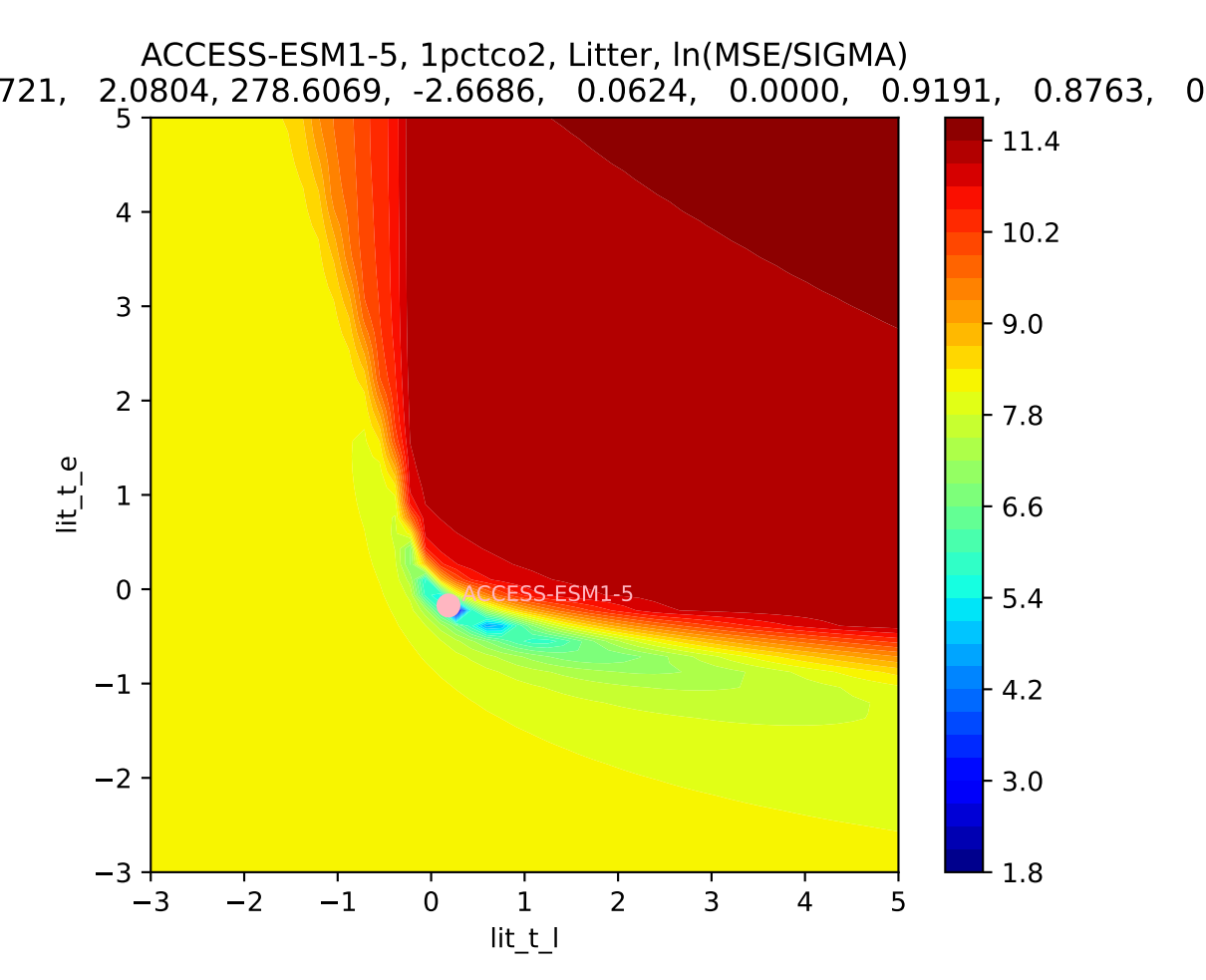

ACCESS-ESM1-5, 1pctco2, Litter
Litter, ESM - FIT
ESM-Fit
Year

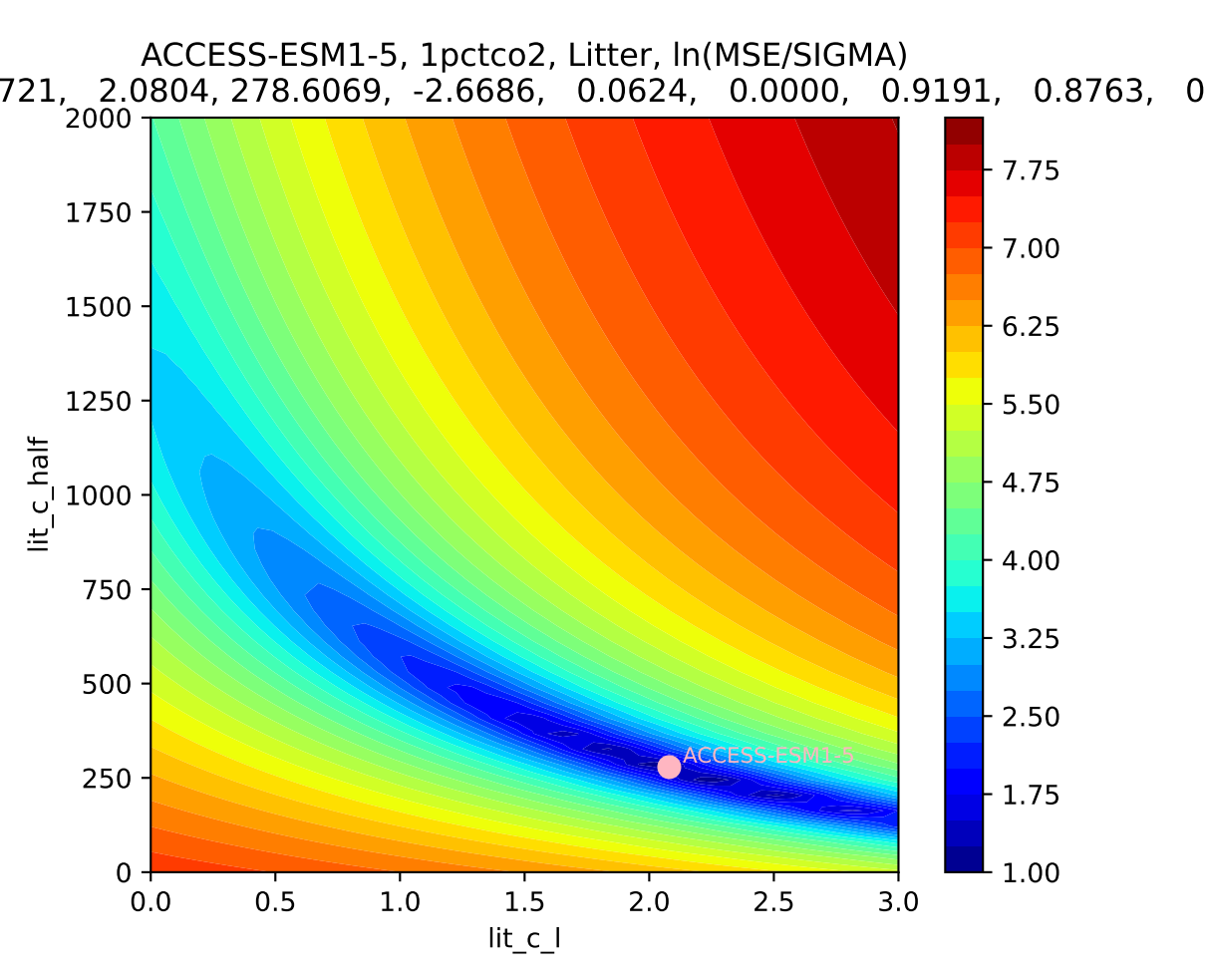

ACCESS-ESM1-5, 1pctco2, Litter
ESM
Fit
Litter
ΔT

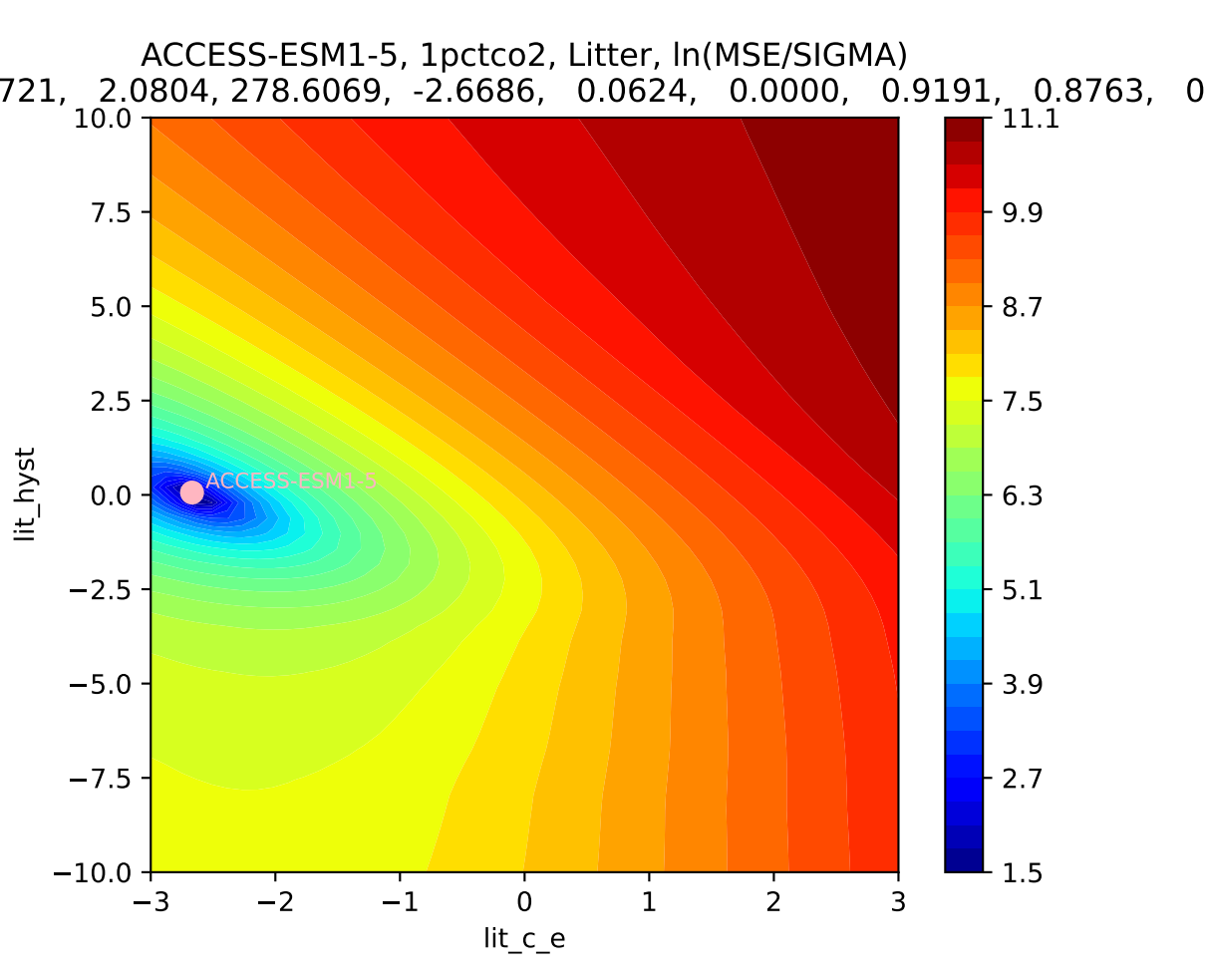

ACCESS-ESM1-5, 1pctco2, Litter
Litter, ESM - FIT
ESM-Fit
ΔT

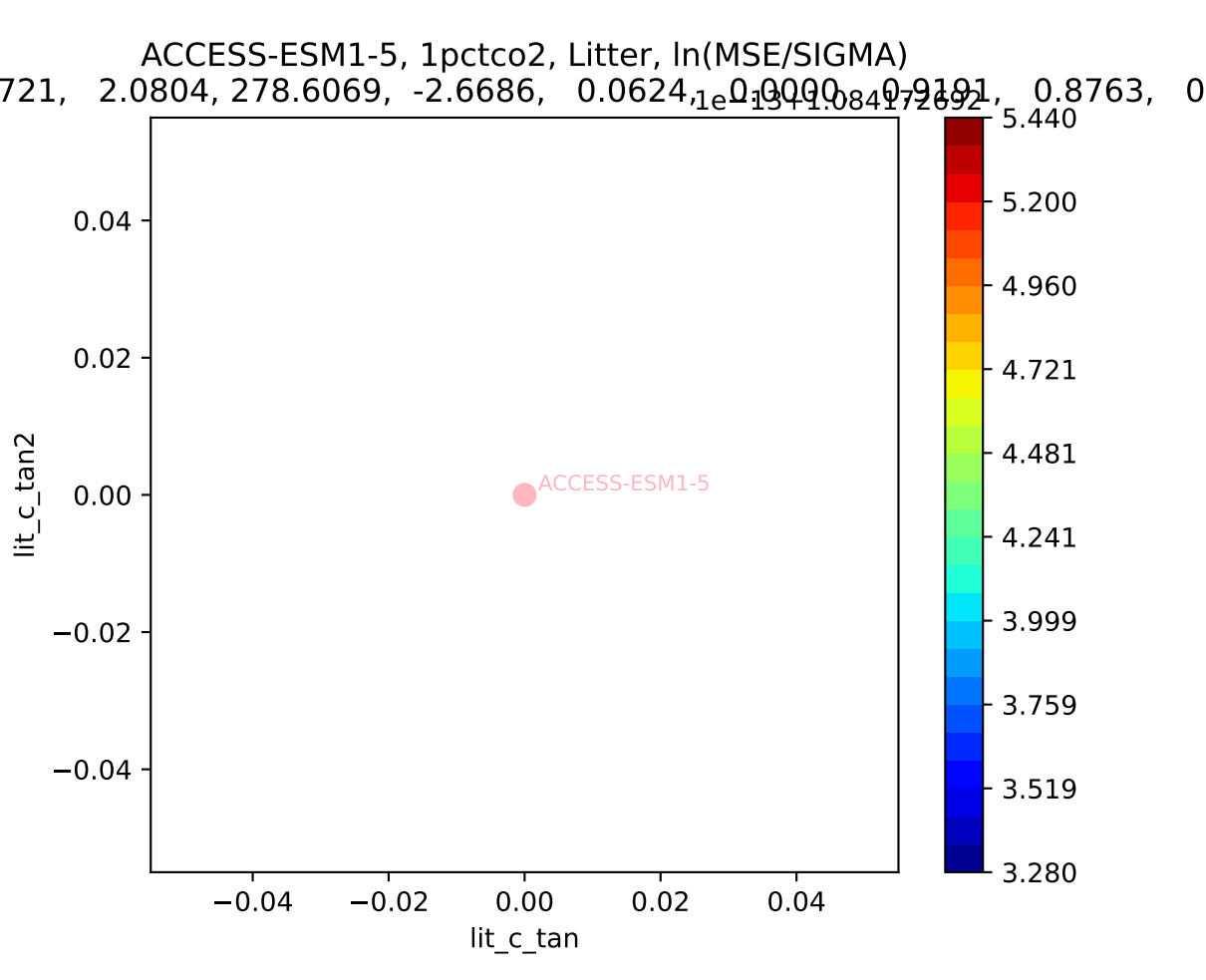

ACCESS-ESM1-5, 1pctco2, Litter
ESM
Fit
Litter
c_atm

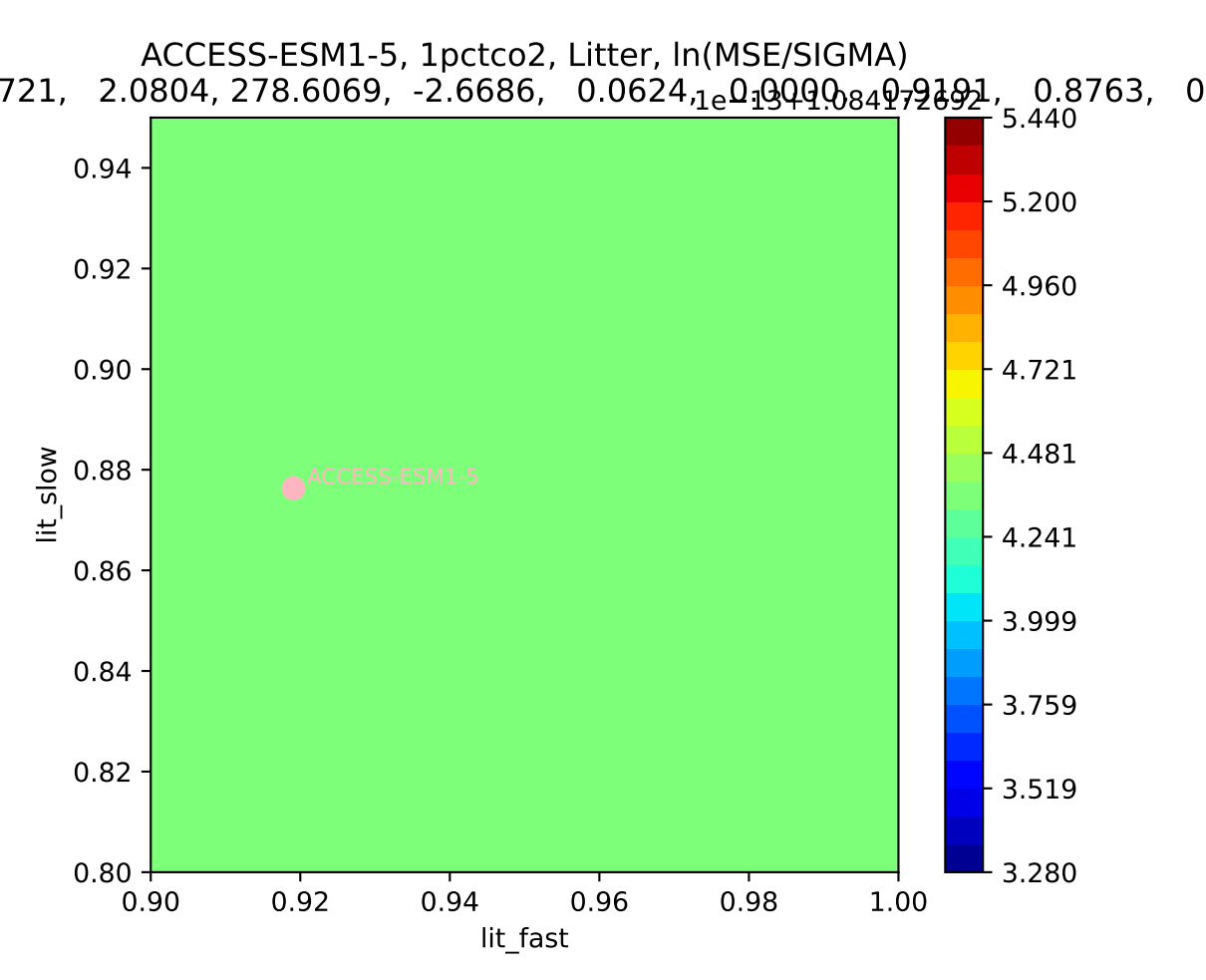

ACCESS-ESM1-5, 1pctco2, Litter
Litter, ESM - FIT
ESM-Fit
c_atm

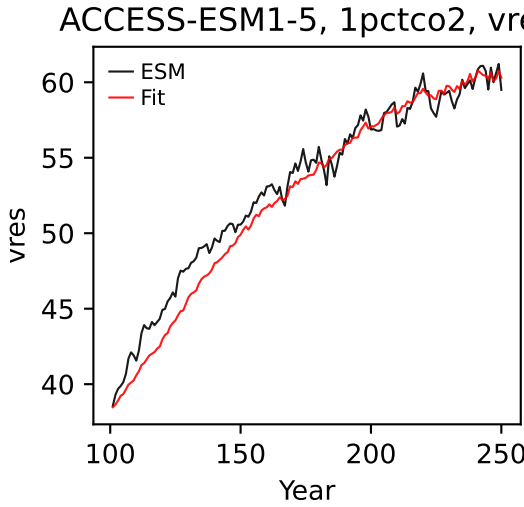

ACCESS-ESM1-5, 1pctco2, Litter, ln(MSE/SIGMA)
721, 2.0804, 278.6069, -2.6686, 0.0624, 0.0000, 0.9191, 0.8763, 0
ACCESS-ESM1-5
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
11.4
10.2
9.0
7.8
6.6
5.4
4.2
3.0
1.8

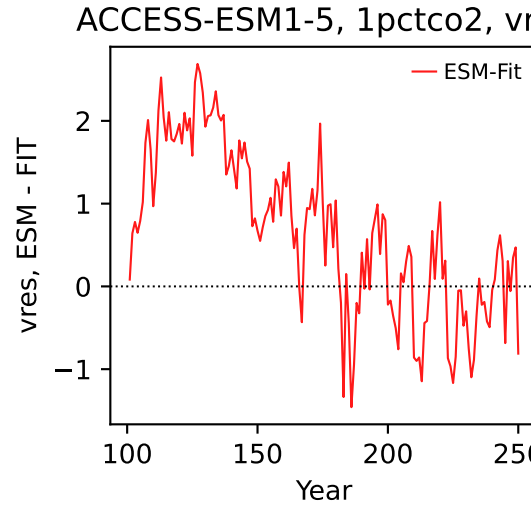

ACCESS-ESM1-5, 1pctco2, Litter, ln(MSE/SIGMA)
721, 2.0804, 278.6069, -2.6686, 0.0624, 0.0000, 0.9191, 0.8763, 0
lit_c_half
lit_c_l
ACCESS-ESM1-5
0
250
500
750
1000
1250
1500
1750
2000
0.0
0.5
1.0
1.5
2.0
2.5
3.0
1.00
1.75
2.50
3.25
4.00
4.75
5.50
6.25
7.00
7.75

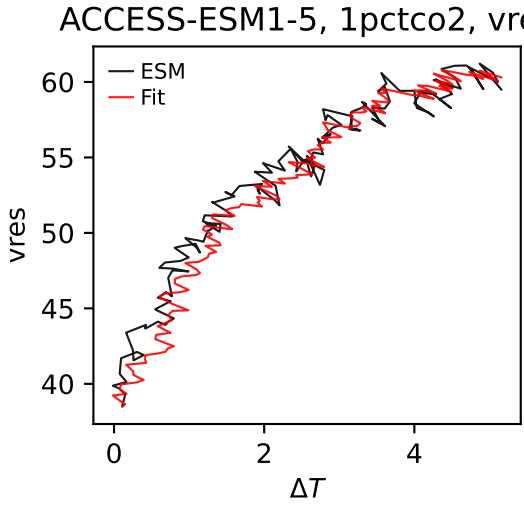

ACCESS-ESM1-5, 1pctco2, Litter, ln(MSE/SIGMA)
721, 2.0804, 278.6069, -2.6686, 0.0624, 0.0000, 0.9191, 0.8763, 0
ACCESS-ESM1-5
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.1
9.9
8.7
7.5
6.3
5.1
3.9
2.7
1.5

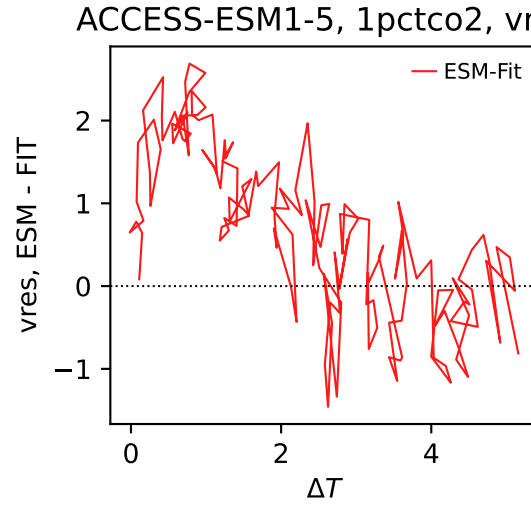

ACCESS-ESM1-5, 1pctco2, Litter, ln(MSE/SIGMA)
721, 2.0804, 278.6069, -2.6686, 0.0624, 0.0000, 0.9191, 0.8763, 0
1e-131+1.084172692
ACCESS-ESM1-5
lit_c_tan2
lit_c_tan
0.04
0.02
0.00
−0.02
−0.04
5.440
5.200
4.960
4.721
4.481
4.241
3.999
3.759
3.519
3.280

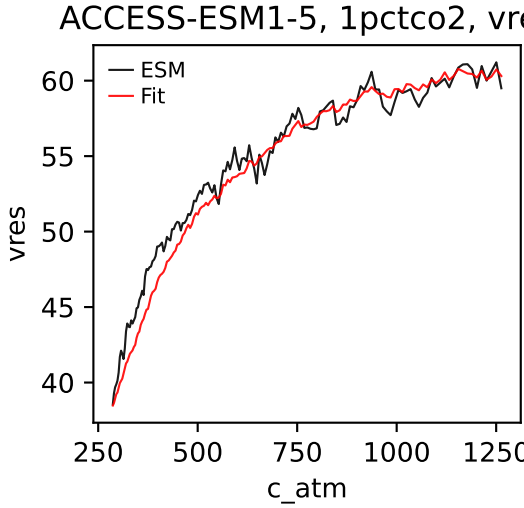

ACCESS-ESM1-5, 1pctco2, Litter, ln(MSE/SIGMA)
721, 2.0804, 278.6069, -2.6686, 0.0624, 0.0000, 0.9191, 0.8763, 0
1e-13+1.084172692
5.440
5.200
4.960
4.721
4.481
4.241
3.999
3.759
3.519
3.280
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
lit_slow
ACCESS-ESM1-5
0.90
0.92
0.94
0.96
0.98
1.00
lit_fast

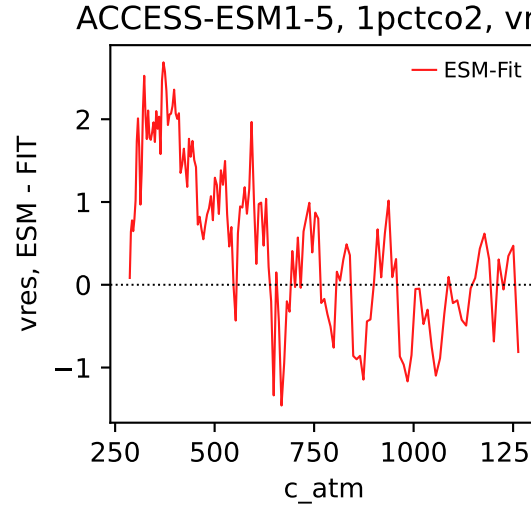

ACCESS-ESM1-5, 1pctco2, vres
ESM
Fit
vres
Year

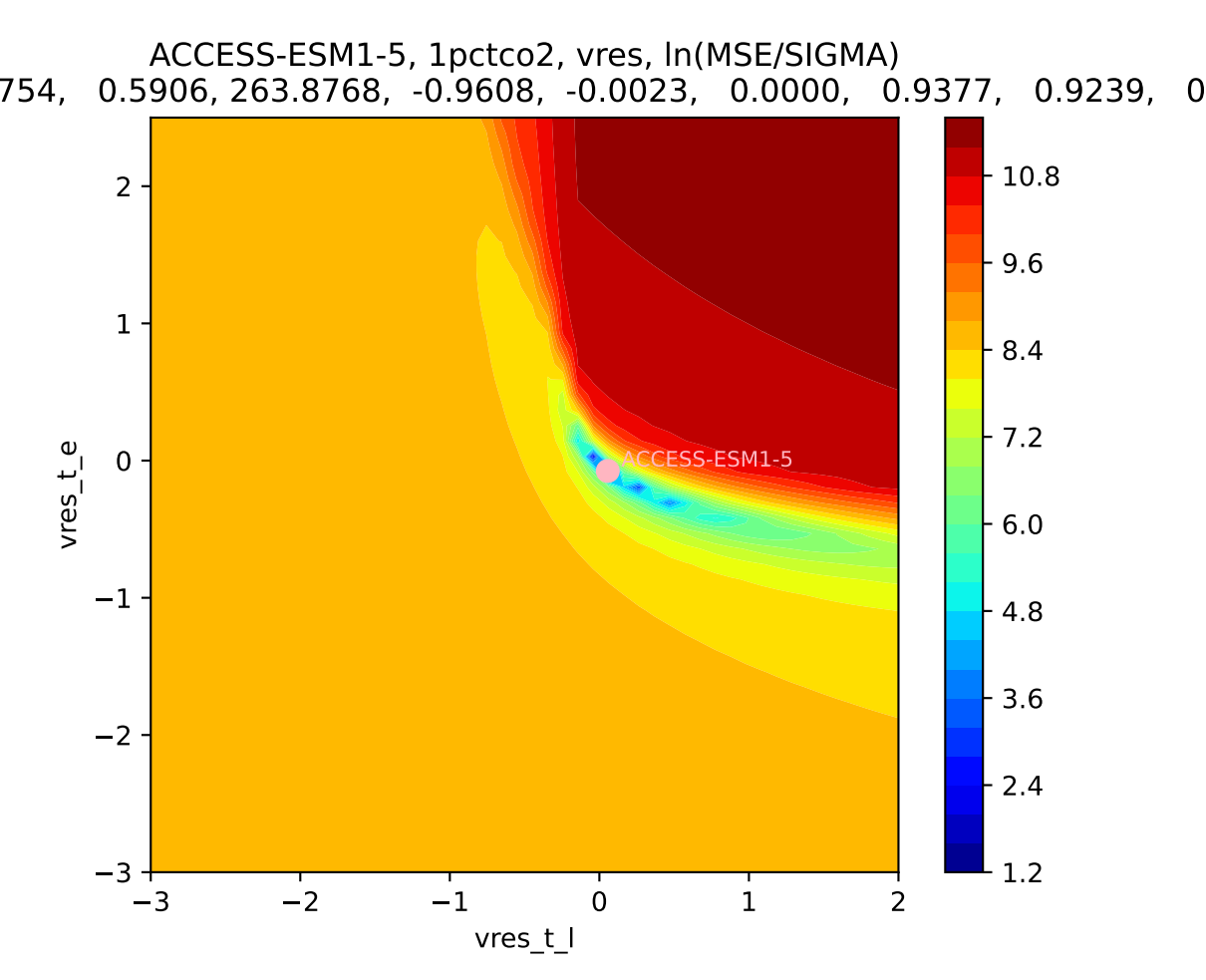

ACCESS-ESM1-5, 1pctco2, vres
ESM-Fit
vres, ESM - FIT
Year

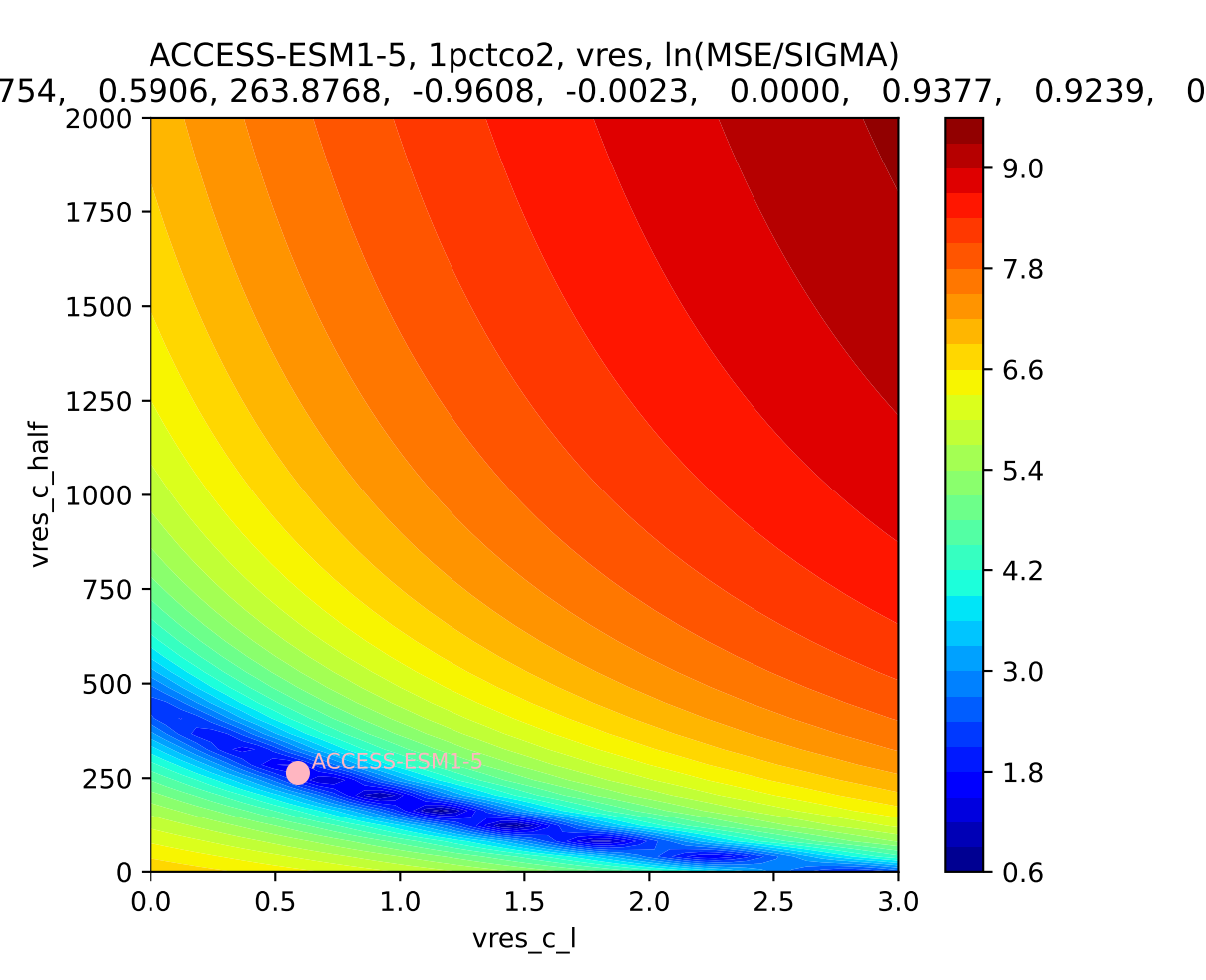

ACCESS-ESM1-5, 1pctco2, vres
ESM
Fit
vres
ΔT

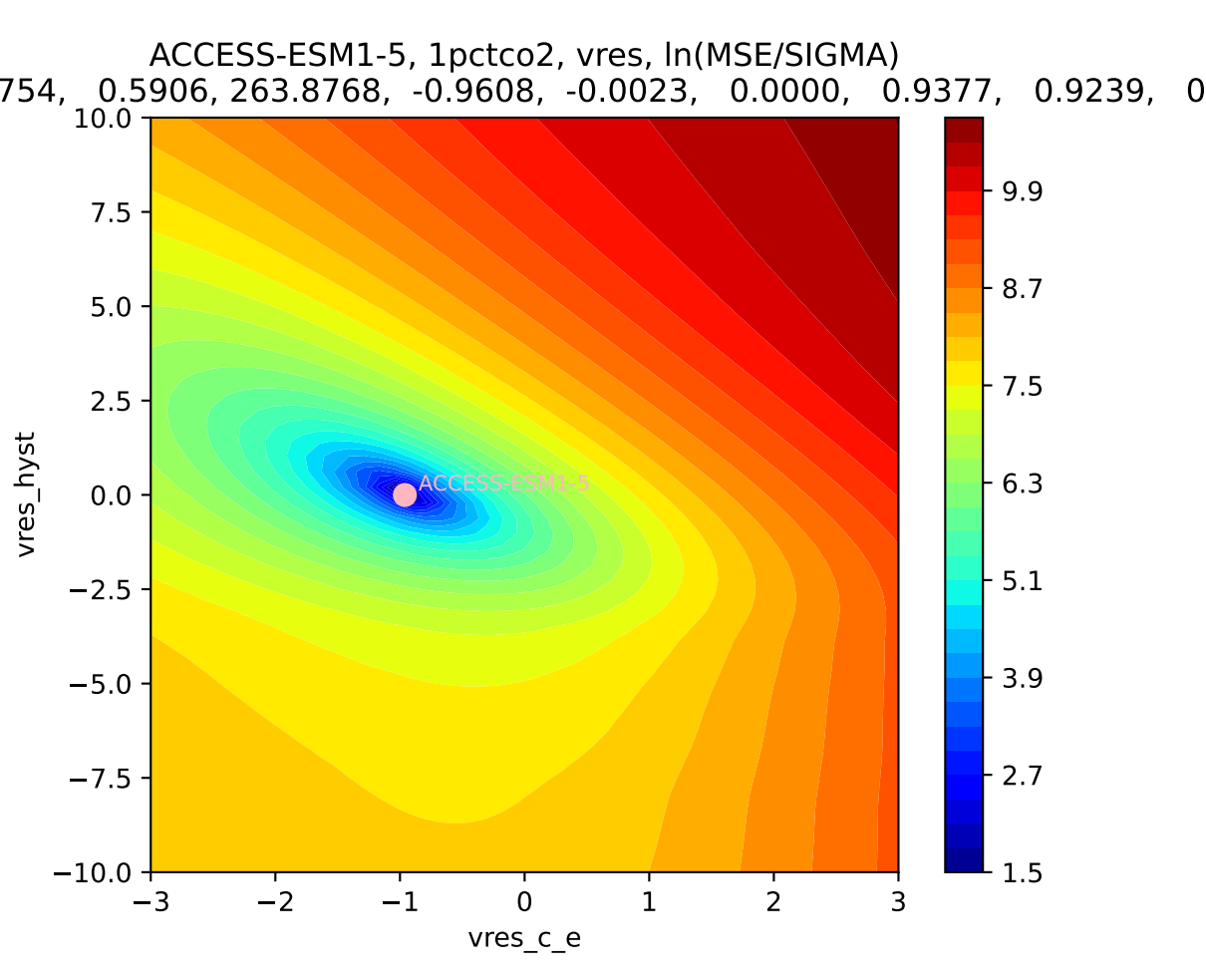

ACCESS-ESM1-5, 1pctco2, vres
ESM-Fit
vres, ESM - FIT
ΔT

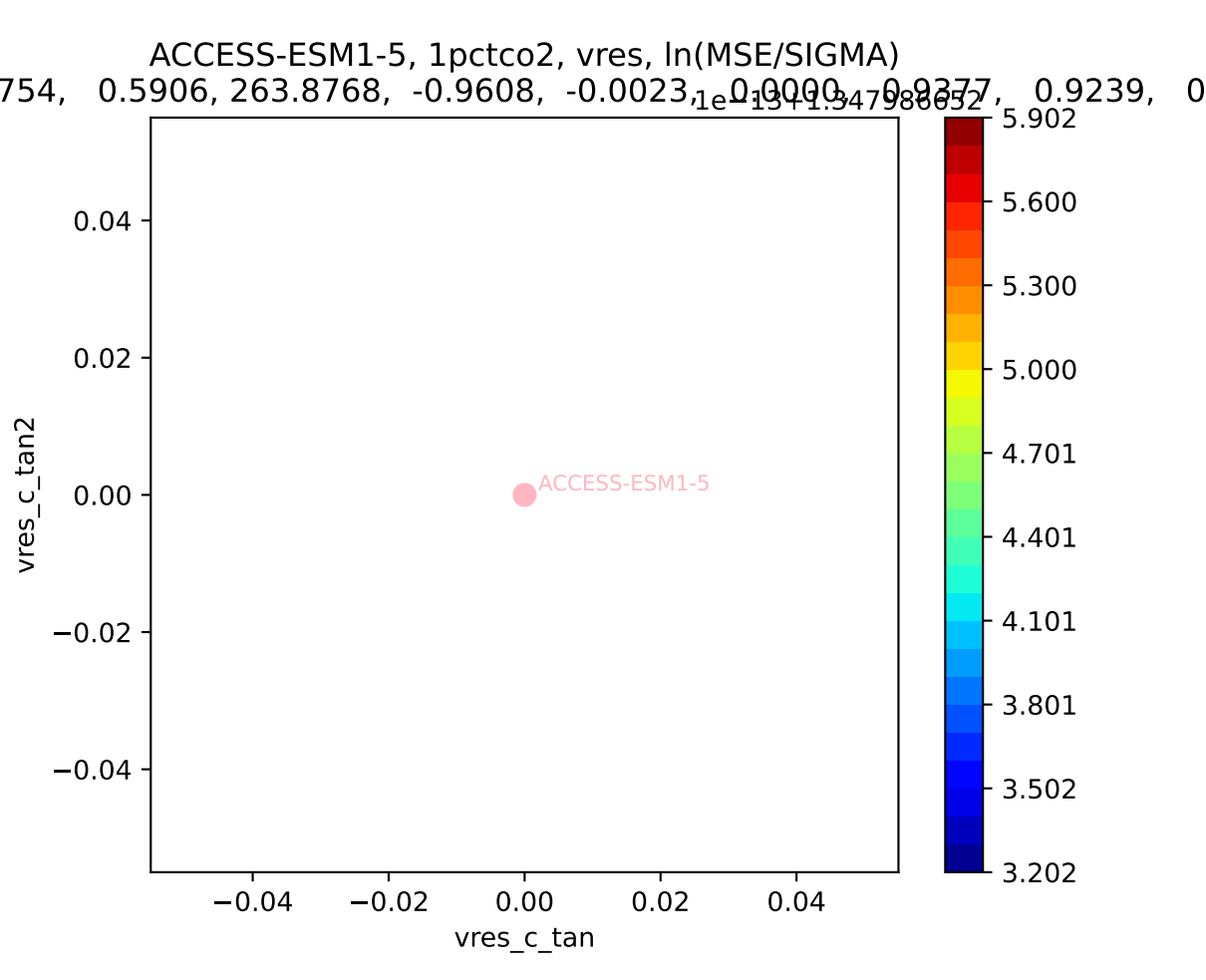

ACCESS-ESM1-5, 1pctco2, vres
ESM
Fit
vres
c_atm

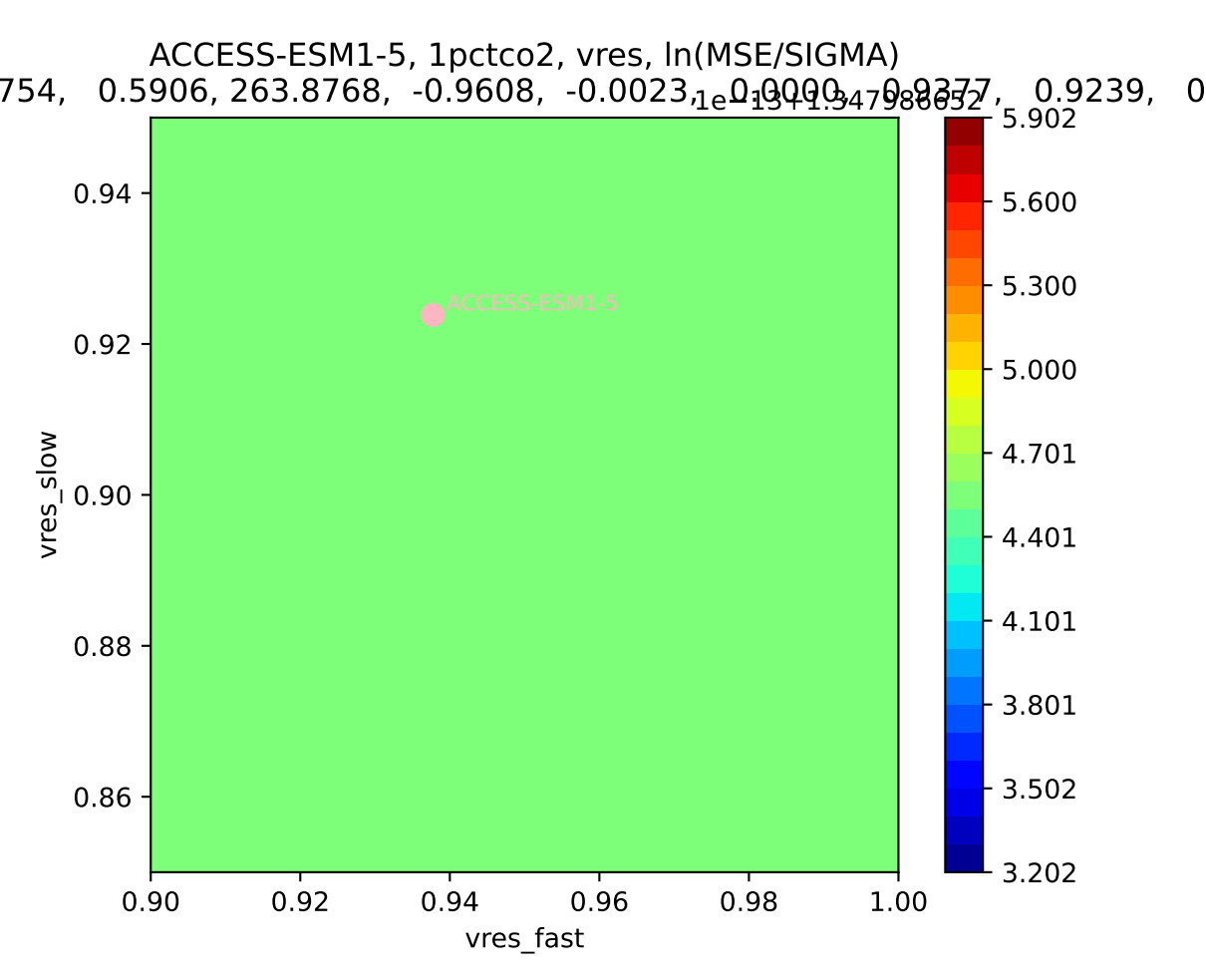

ACCESS-ESM1-5, 1pctco2, vres
ESM-Fit
vres, ESM - FIT
c_atm

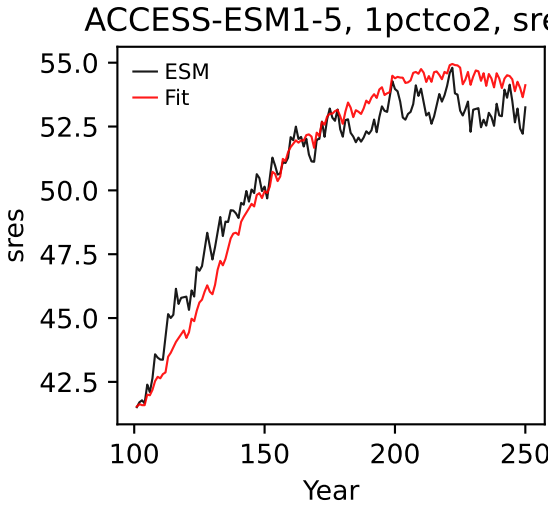

ACCESS-ESM1-5, 1pctco2, vres, ln(MSE/SIGMA)
754, 0.5906, 263.8768, -0.9608, -0.0023, 0.0000, 0.9377, 0.9239, 0
ACCESS-ESM1-5
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

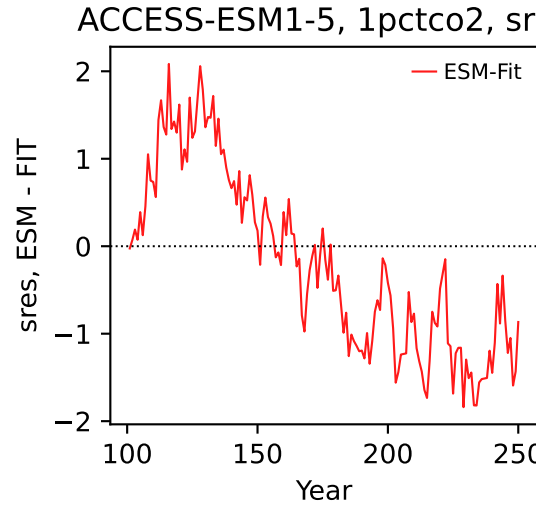

ACCESS-ESM1-5, 1pctco2, vres, ln(MSE/SIGMA)
754, 0.5906, 263.8768, -0.9608, -0.0023, 0.0000, 0.9377, 0.9239, 0
vres_c_half
vres_c_l
ACCESS-ESM1-5
2000
1750
1500
1250
1000
750
500
250
0
0.0
0.5
1.0
1.5
2.0
2.5
3.0
9.0
7.8
6.6
5.4
4.2
3.0
1.8
0.6

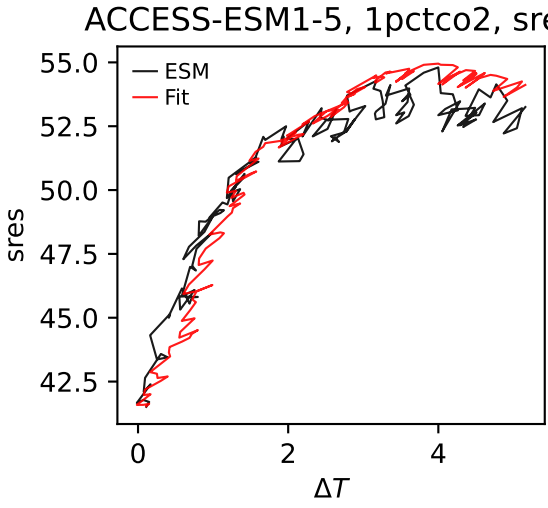

ACCESS-ESM1-5, 1pctco2, vres, ln(MSE/SIGMA)
754, 0.5906, 263.8768, -0.9608, -0.0023, 0.0000, 0.9377, 0.9239, 0
ACCESS-ESM1-5
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
9.9
8.7
7.5
6.3
5.1
3.9
2.7
1.5

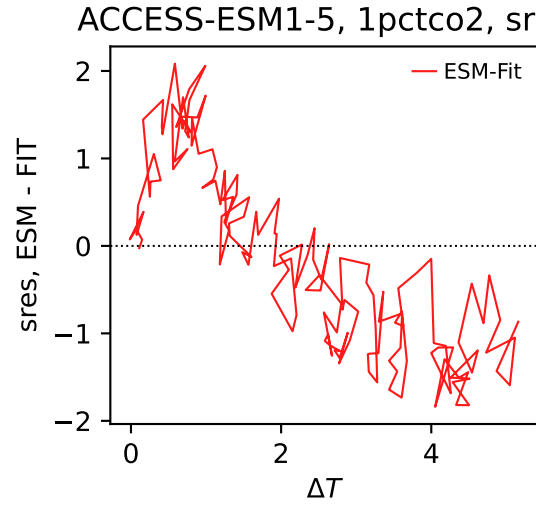

ACCESS-ESM1-5, 1pctco2, vres, ln(MSE/SIGMA)
754, 0.5906, 263.8768, -0.9608, -0.0023, 0.0000, 0.9277, 0.9239, 0
1e-13 1.347986632
ACCESS-ESM1-5
vres_c_tan2
vres_c_tan
0.04
0.02
0.00
−0.02
−0.04
5.902
5.600
5.300
5.000
4.701
4.401
4.101
3.801
3.502
3.202

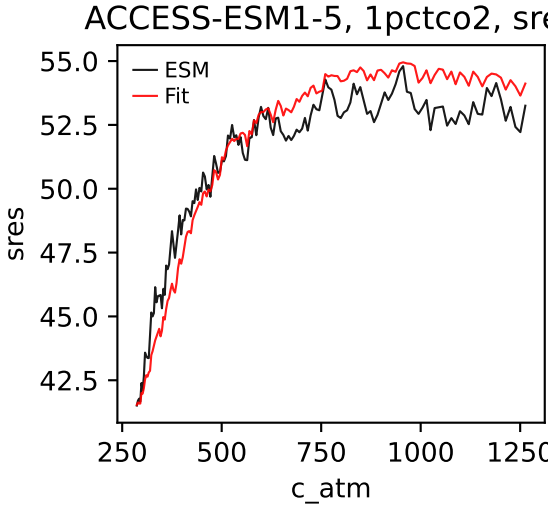

ACCESS-ESM1-5, 1pctco2, vres, ln(MSE/SIGMA)
754, 0.5906, 263.8768, -0.9608, -0.0023, 0.0000, 0.9277, 0.9239, 0
1e-13+1.347986e2
ACCESS-ESM1-5
0.94
0.92
0.90
0.88
0.86
vres_slow
0.90
0.92
0.94
0.96
0.98
1.00
vres_fast
5.902
5.600
5.300
5.000
4.701
4.401
4.101
3.801
3.502
3.202

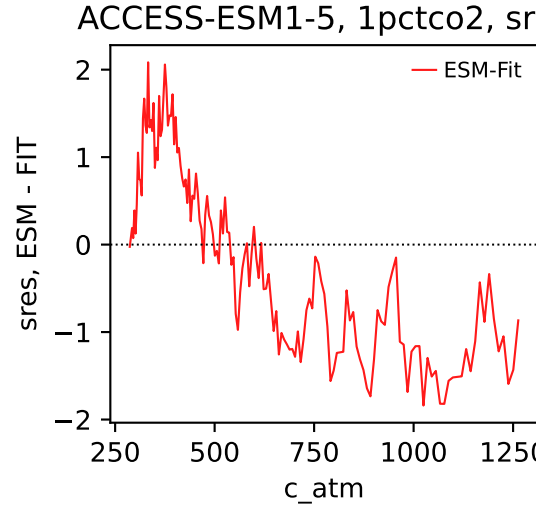

ACCESS-ESM1-5, 1pctco2, sres
ESM
Fit
sres
Year

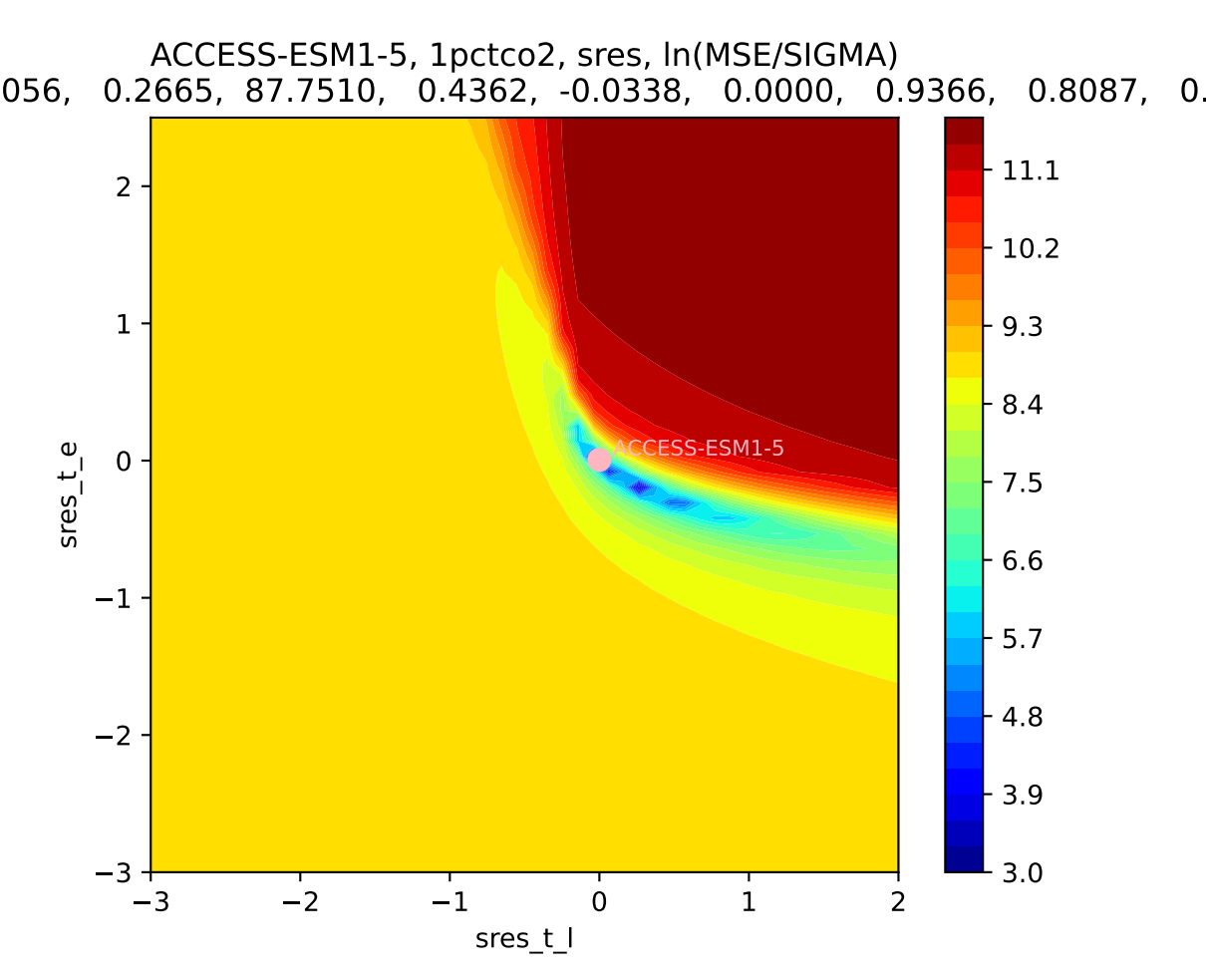

ACCESS-ESM1-5, 1pctco2, sres
ESM-Fit
sres, ESM - FIT
Year

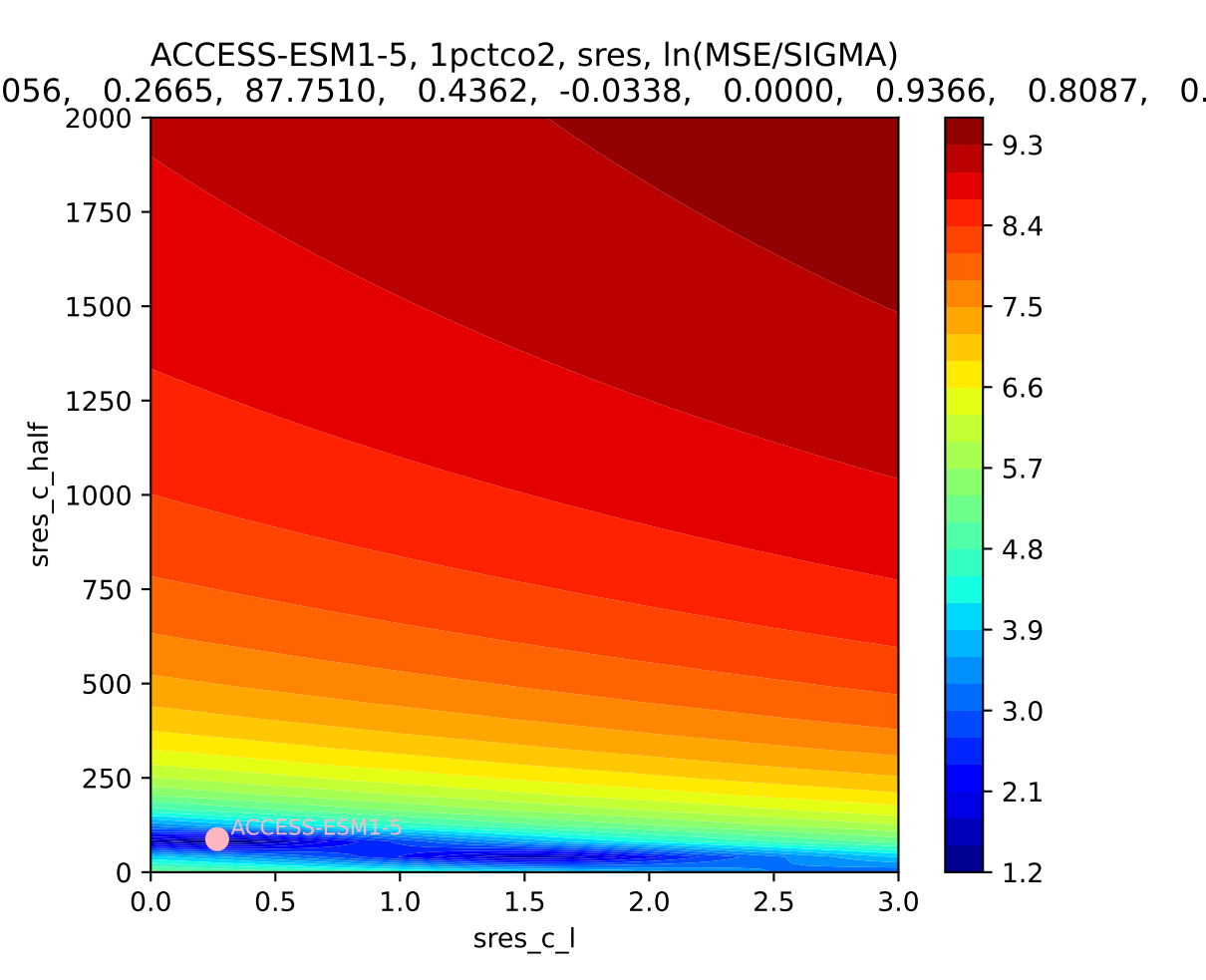

ACCESS-ESM1-5, 1pctco2, sres
ESM
Fit
sres
ΔT

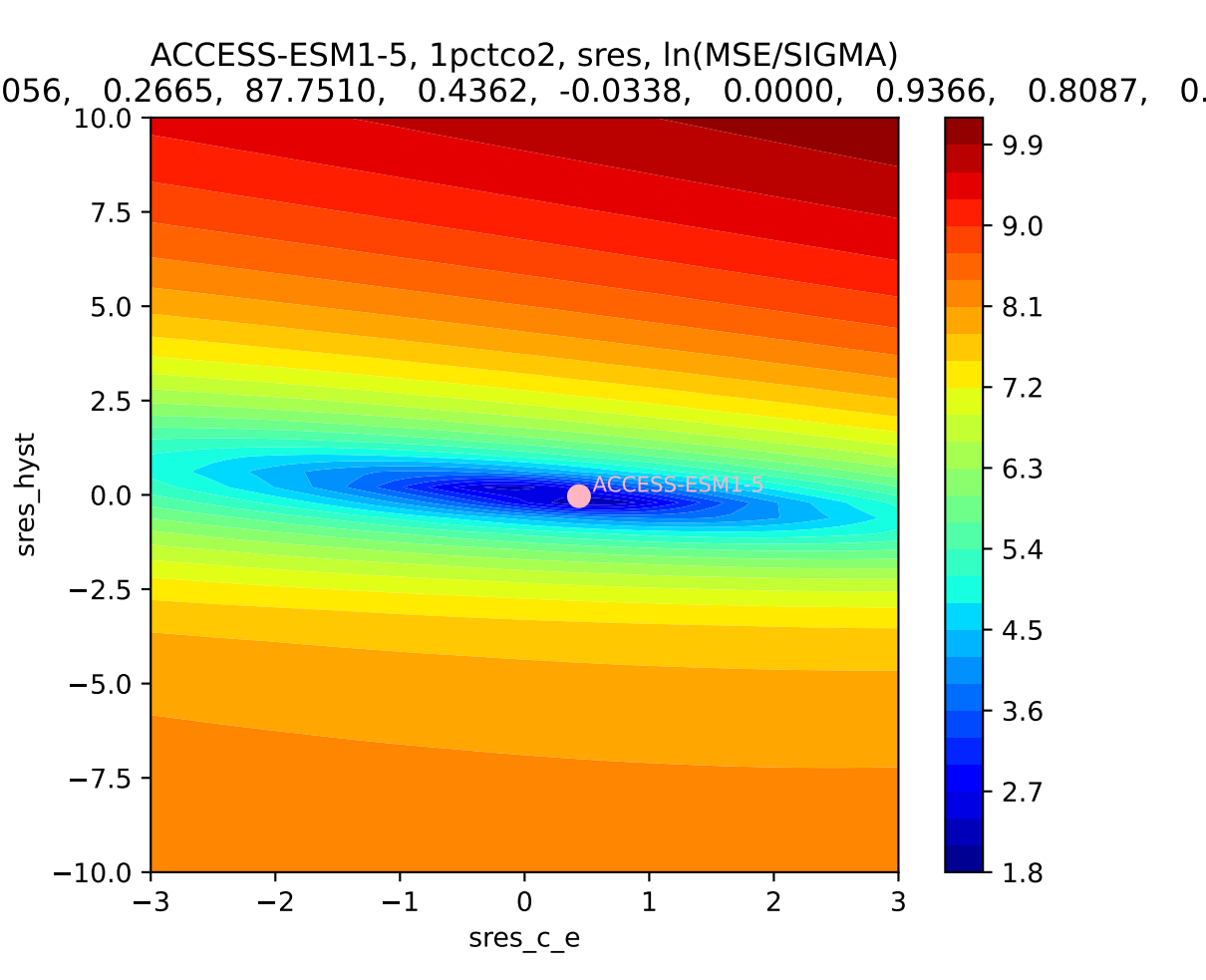

ACCESS-ESM1-5, 1pctco2, sres
ESM-Fit
sres, ESM - FIT
ΔT


ACCESS-ESM1-5, 1pctco2, sres
ESM
Fit
sres
c_atm


ACCESS-ESM1-5, 1pctco2, sres
ESM-Fit
sres, ESM - FIT
c_atm


ACCESS-ESM1-5, 1pctco2, 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
11.1
10.2
9.3
8.4
7.5
6.6
5.7
4.8
3.9
3.0


ACCESS-ESM1-5, 1pctco2, sres, ln(MSE/SIGMA)
056, 0.2665, 87.7510, 0.4362, -0.0338, 0.0000, 0.9366, 0.8087, 0.
sres_c_half
sres_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
9.3
8.4
7.5
6.6
5.7
4.8
3.9
3.0
2.1
1.2


ACCESS-ESM1-5, 1pctco2, 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
9.9
9.0
8.1
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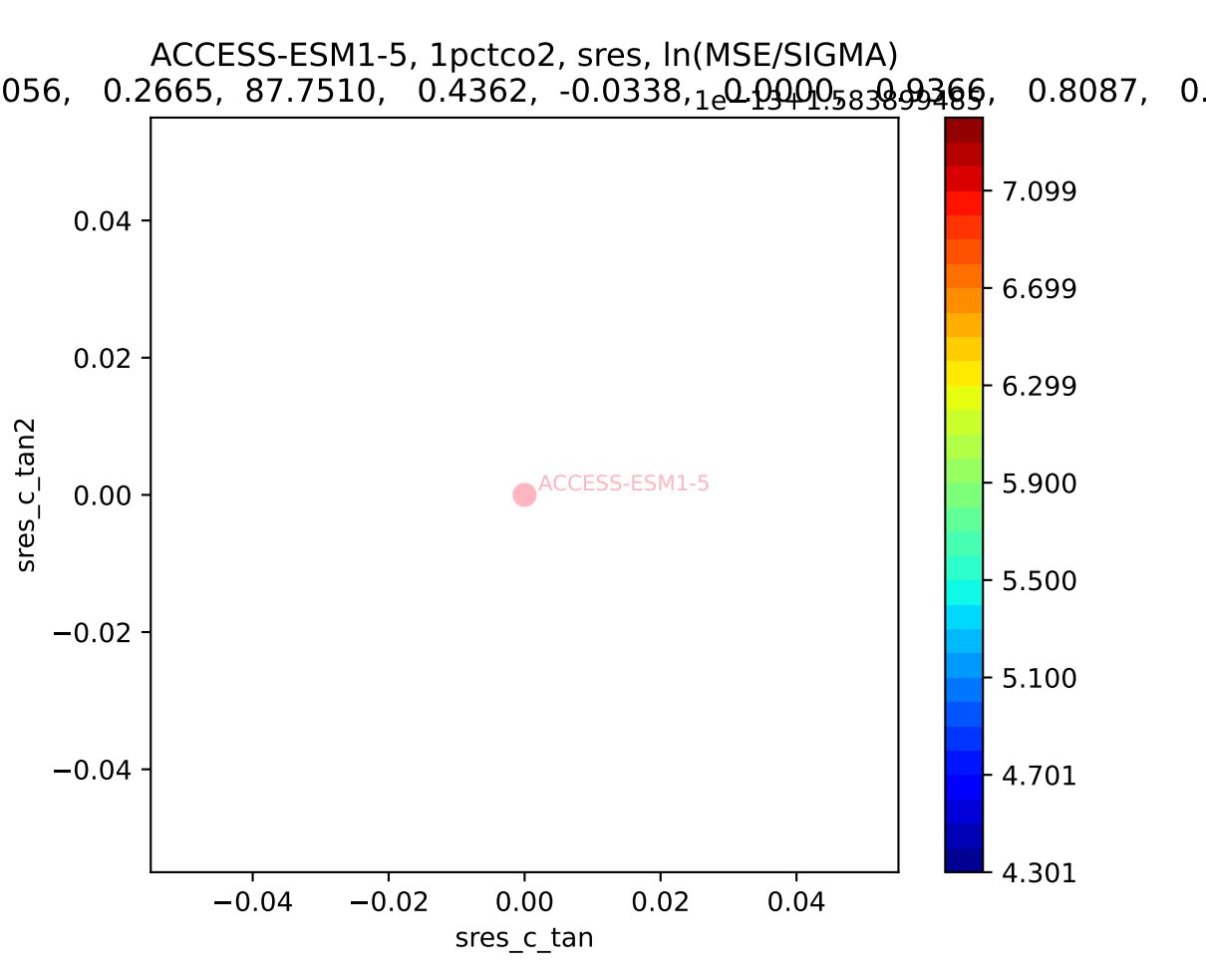
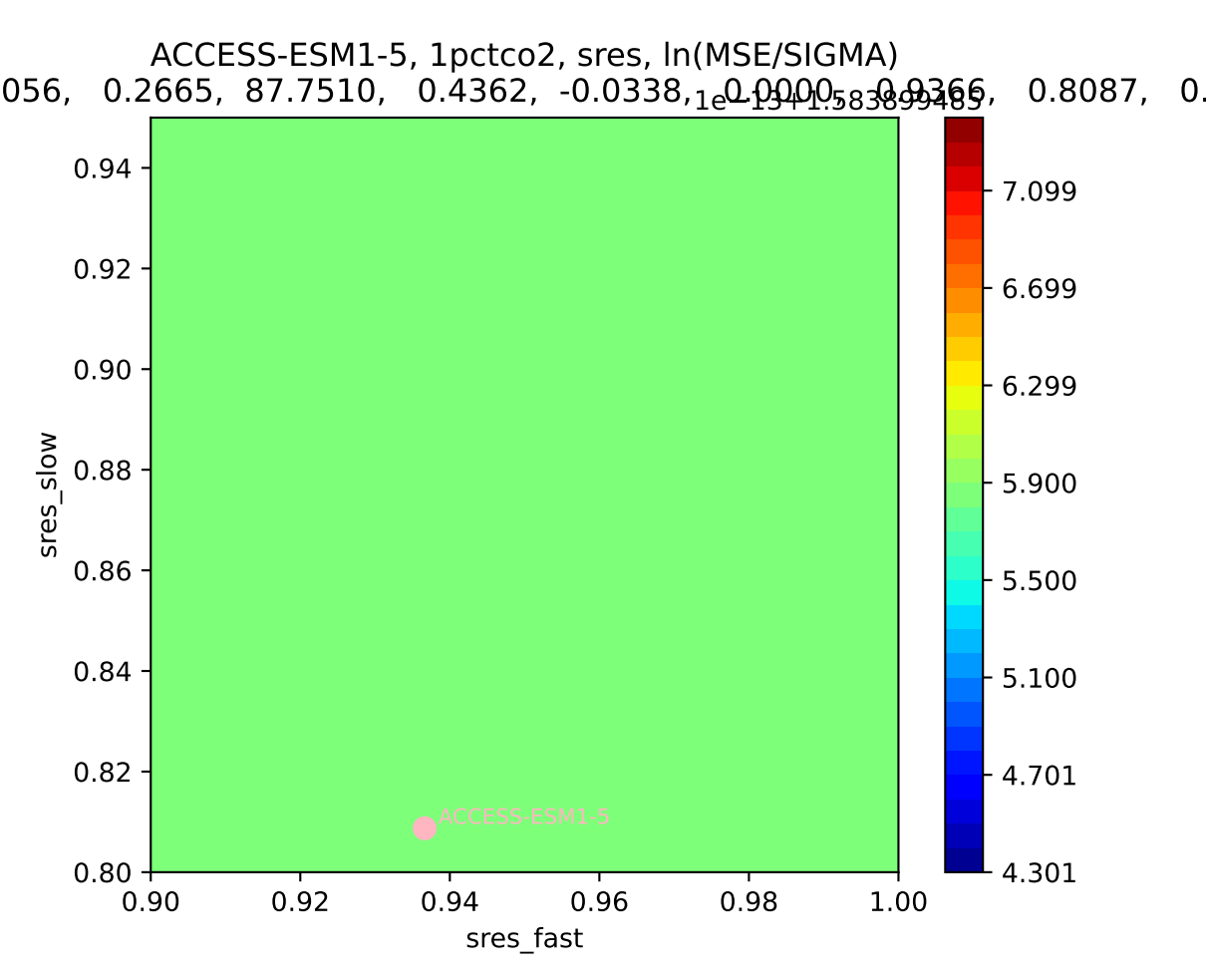
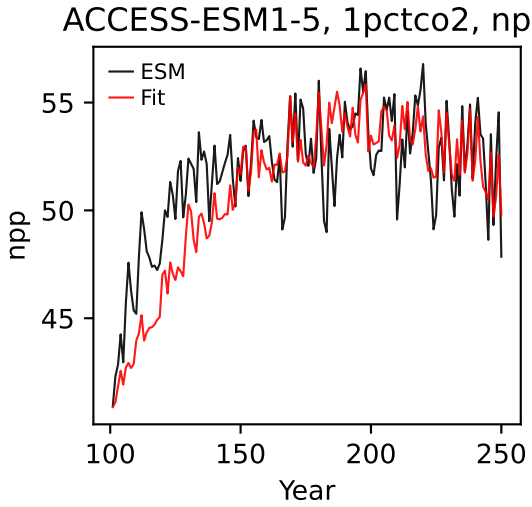
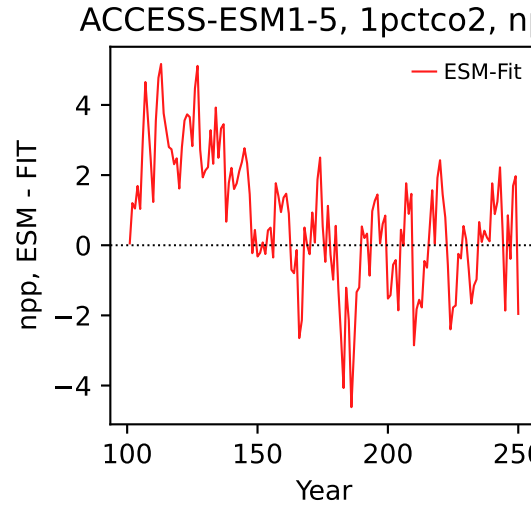
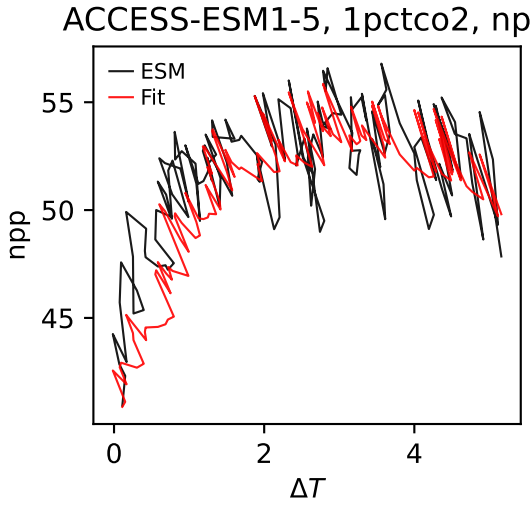
6.3
5.4
4.5
3.6
2.7
1.8

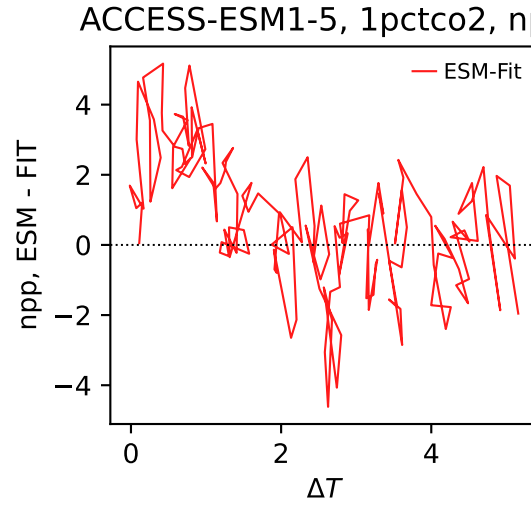

ACCESS-ESM1-5, 1pctco2, sres, ln(MSE/SIGMA)
056, 0.2665, 87.7510, 0.4362, -0.0338, 0.0000, 0.9366, 0.8087, 0.
1e-1341.583899485
ACCESS-ESM1-5
sres_c_tan2
sres_c_tan
0.04
0.02
0.00
−0.02
−0.04
7.099
6.699
6.299
5.900
5.500
5.100
4.701
4.301

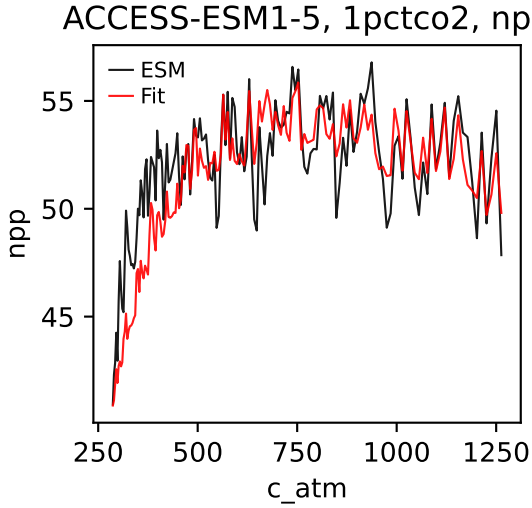

ACCESS-ESM1-5, 1pctco2, sres, ln(MSE/SIGMA)
056, 0.2665, 87.7510, 0.4362, -0.0338, 0.0000, 0.9366, 0.8087, 0.
1e−13+1.583899485
sres_slow
sres_fast
0.80
0.82
0.84
0.86
0.88
0.90
0.92
0.94
0.90
0.92
0.94
0.96
0.98
1.00
7.099
6.699
6.299
5.900
5.500
5.100
4.701
4.301
ACCESS-ESM1-5

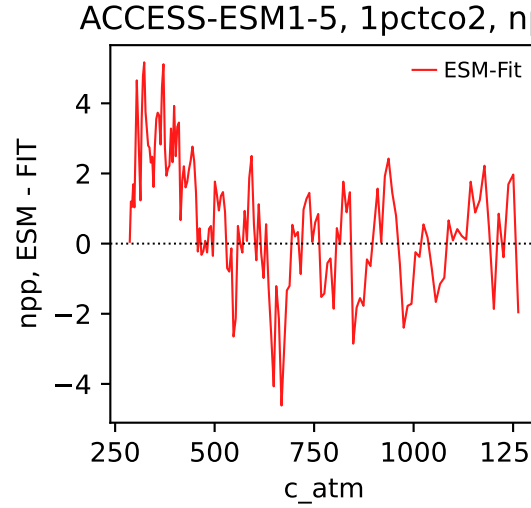

ACCESS-ESM1-5, 1pctco2, npp
ESM
Fit
npp
55
50
45
100
150
200
250
Year

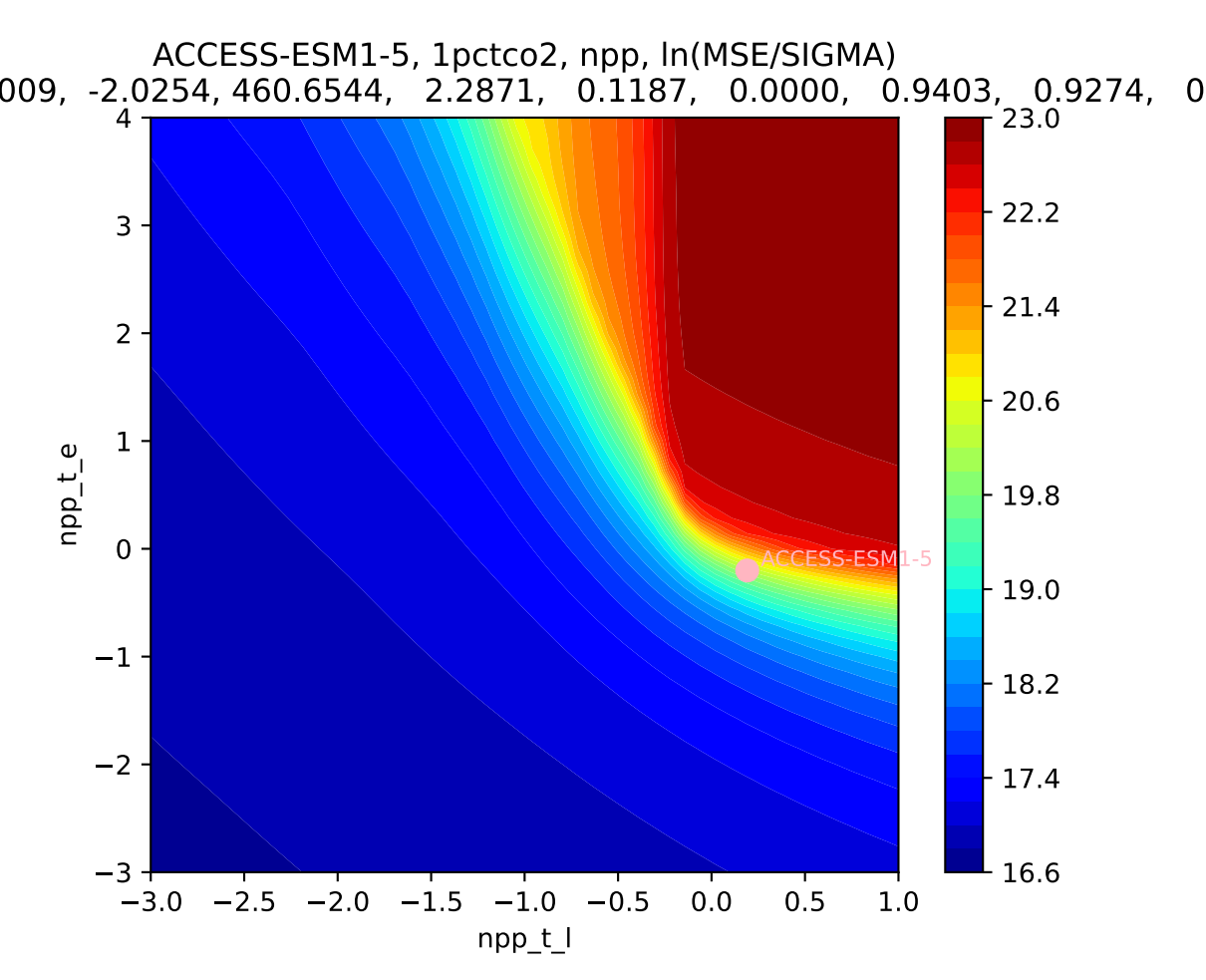

ACCESS-ESM1-5, 1pctco2, npp
ESM-Fit
npp, ESM - FIT
4
2
0
−2
−4
100
150
200
250
Year

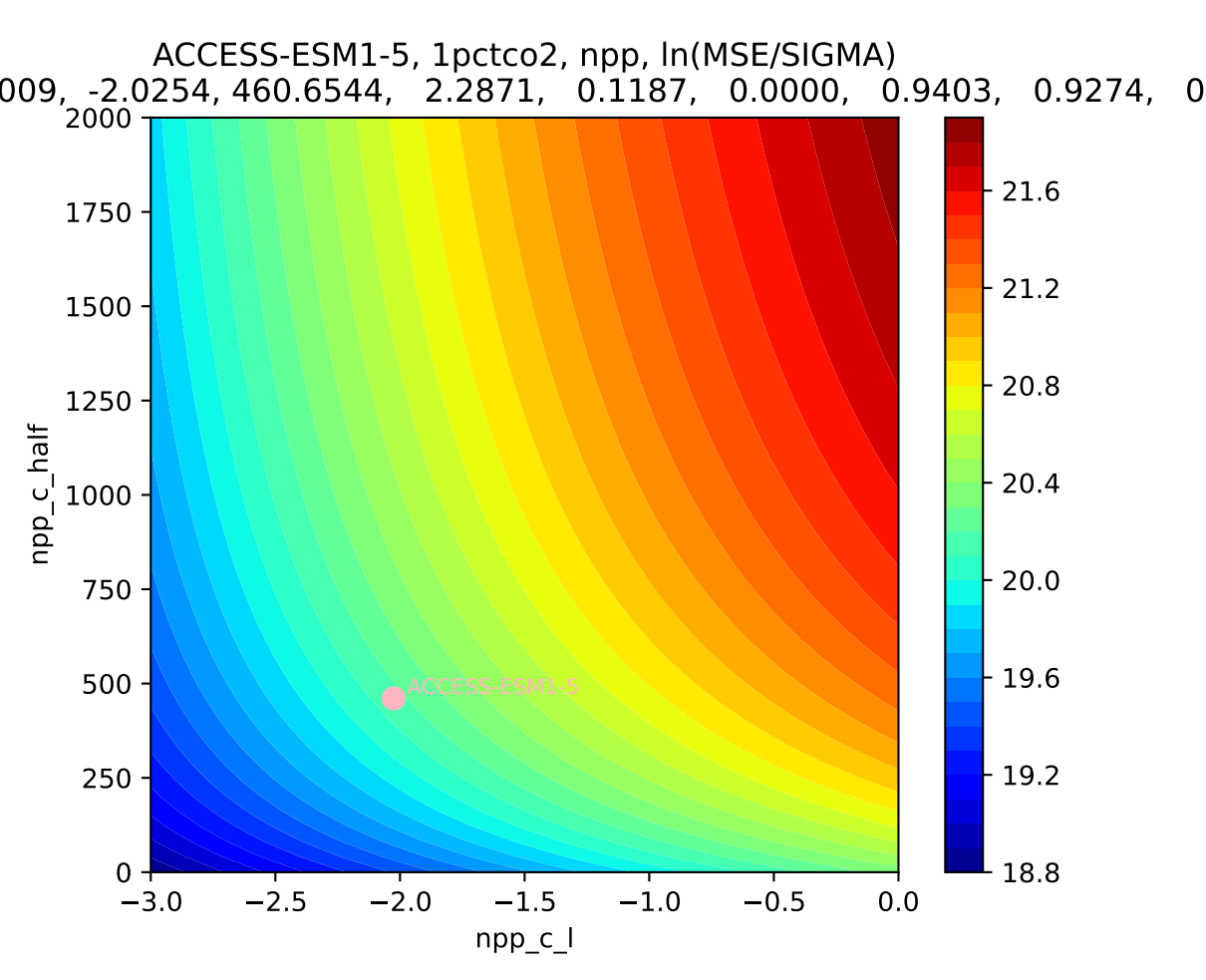

ACCESS-ESM1-5, 1pctco2, npp
ESM
Fit
npp
55
50
45
0
2
4
ΔT

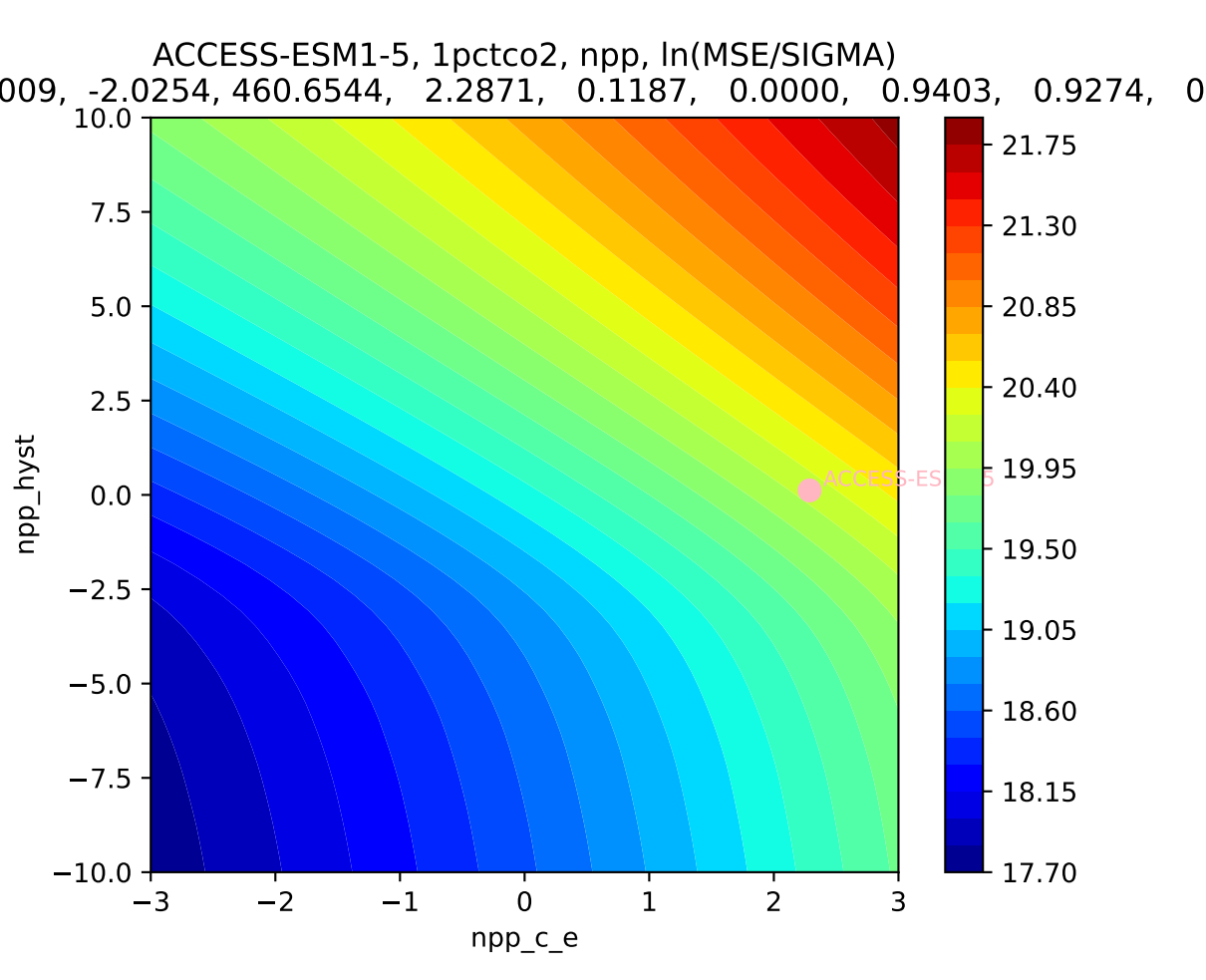

ACCESS-ESM1-5, 1pctco2, npp
ESM-Fit
npp, ESM - FIT
4
2
0
−2
−4
0
2
4
ΔT


ACCESS-ESM1-5, 1pctco2, npp
ESM
Fit
npp
55
50
45
250
500
750
1000
1250
c_atm


ACCESS-ESM1-5, 1pctco2, npp
ESM-Fit
npp, ESM - FIT
4
2
0
−2
−4
250
500
750
1000
1250
c_atm


ACCESS-ESM1-5, 1pctco2, 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
23.0
22.2
21.4
20.6
19.8
19.0
18.2
17.4
16.6


ACCESS-ESM1-5, 1pctco2, npp, ln(MSE/SIGMA)
009, -2.0254, 460.6544, 2.2871, 0.1187, 0.0000, 0.9403, 0.9274, 0
npp_c_half
npp_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
21.6
21.2
20.8
20.4
20.0
19.6
19.2
18.8


ACCESS-ESM1-5, 1pctco2, npp, ln(MSE/SIGMA)
009, -2.0254, 460.6544, 2.2871, 0.1187, 0.0000, 0.9403, 0.9274, 0
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
21.75
21.30
20.85
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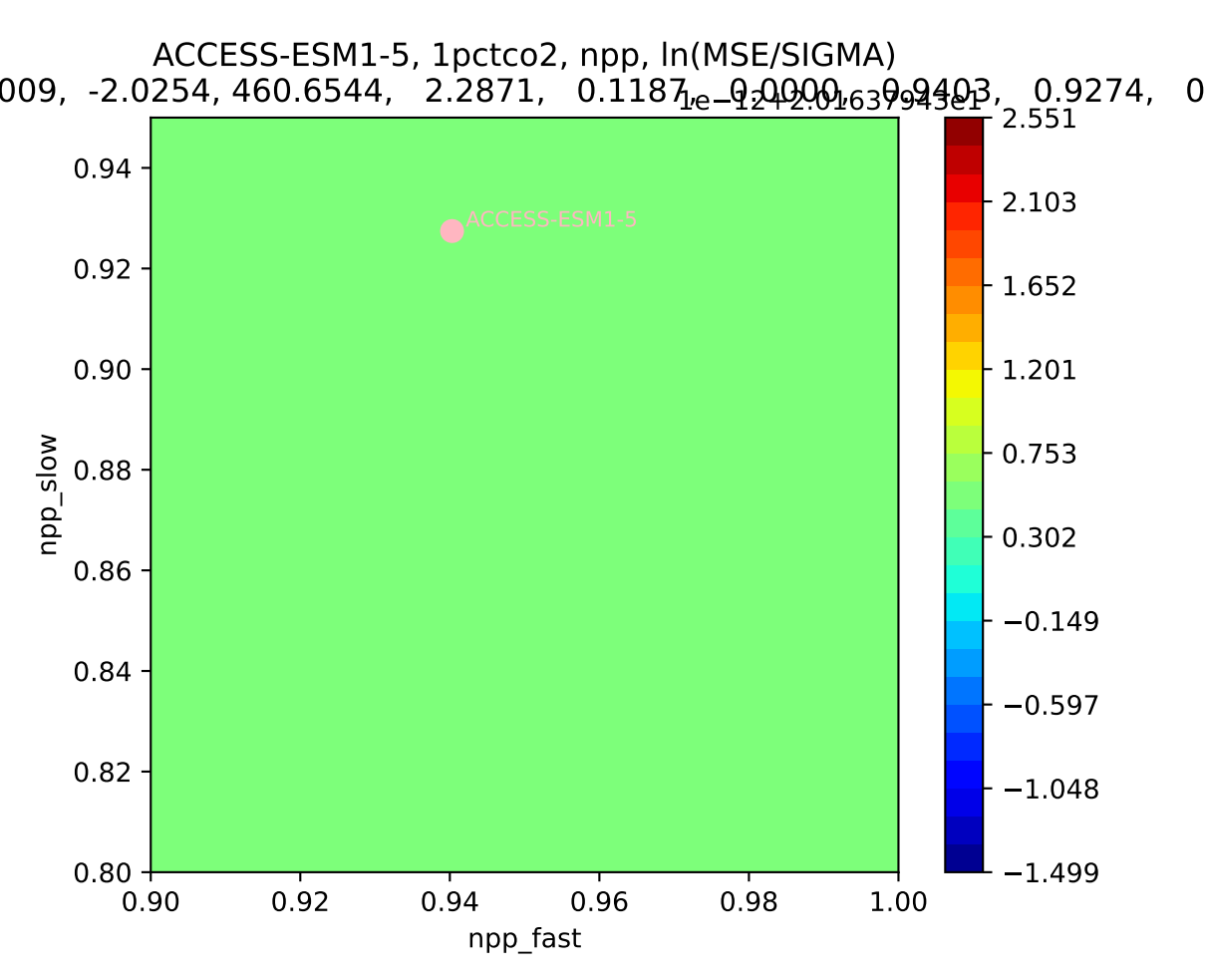
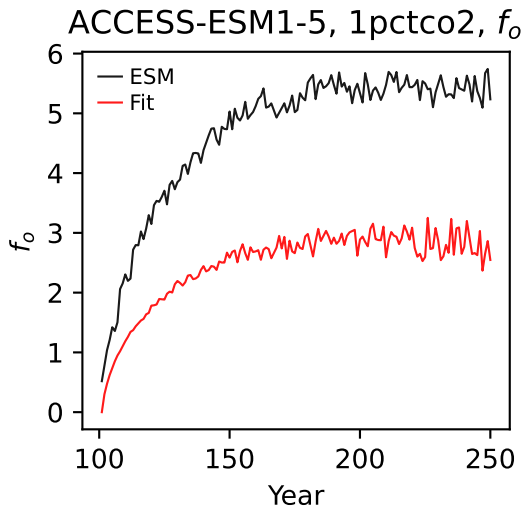
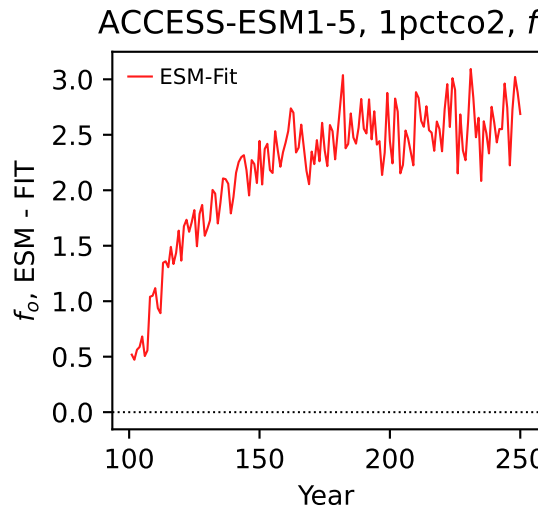
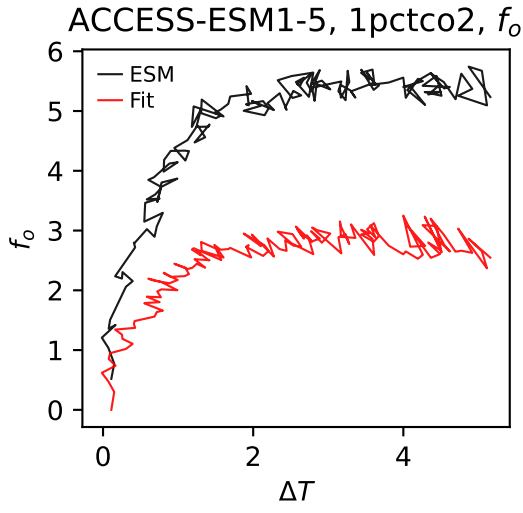
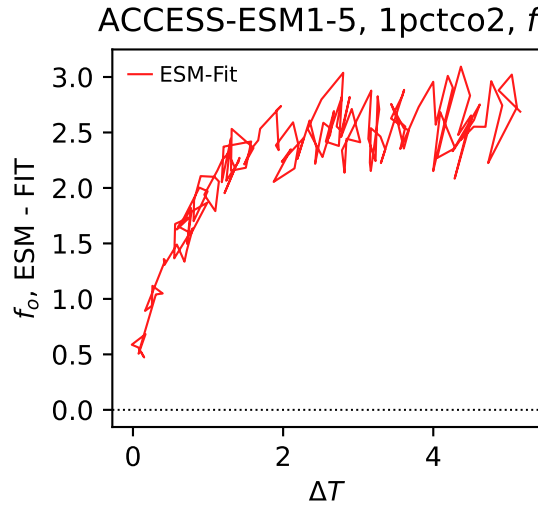
19.95
19.50
19.05
18.60
18.15
17.70


ACCESS-ESM1-5, 1pctco2, npp, ln(MSE/SIGMA)
009, -2.0254, 460.6544, 2.2871, 0.1187, 0.0000, 0.9403, 0.9274, 0
1e−12+2.016379431e1
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
2.551
2.103
1.652
1.201
0.753
0.302
−0.149
−0.597
−1.048
−1.499


ACCESS-ESM1-5, 1pctco2, f_o
ESM
Fit
f_o
Year


ACCESS-ESM1-5, 1pctco2, f_o
ESM-Fit
f_o, ESM - FIT
Year


ACCESS-ESM1-5, 1pctco2, f_o
ESM
Fit
f_o
ΔT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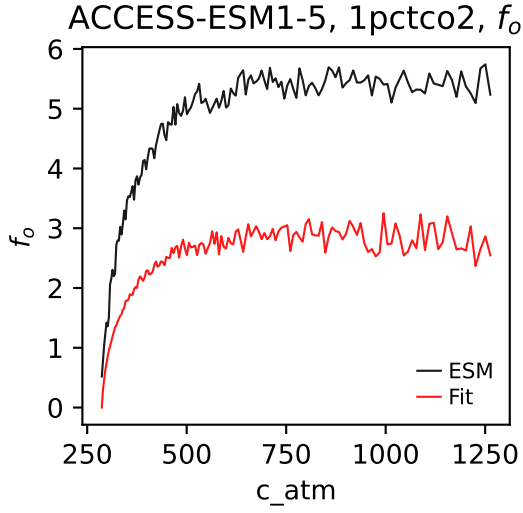
ESM-Fit
f_o, ESM - FIT
ΔT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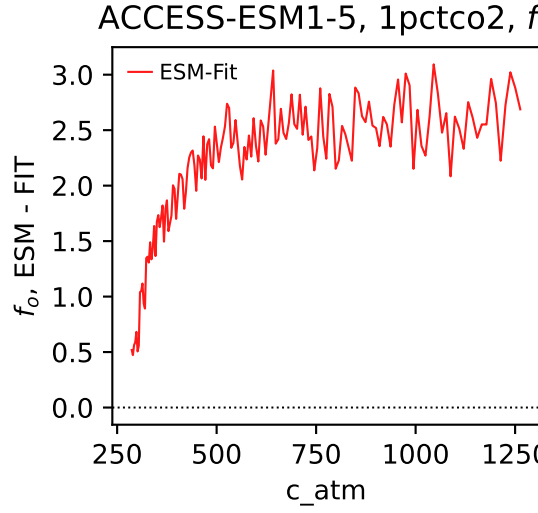
ESM
Fit
f_o
c_atm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ESM-Fit
f_o, ESM - FIT
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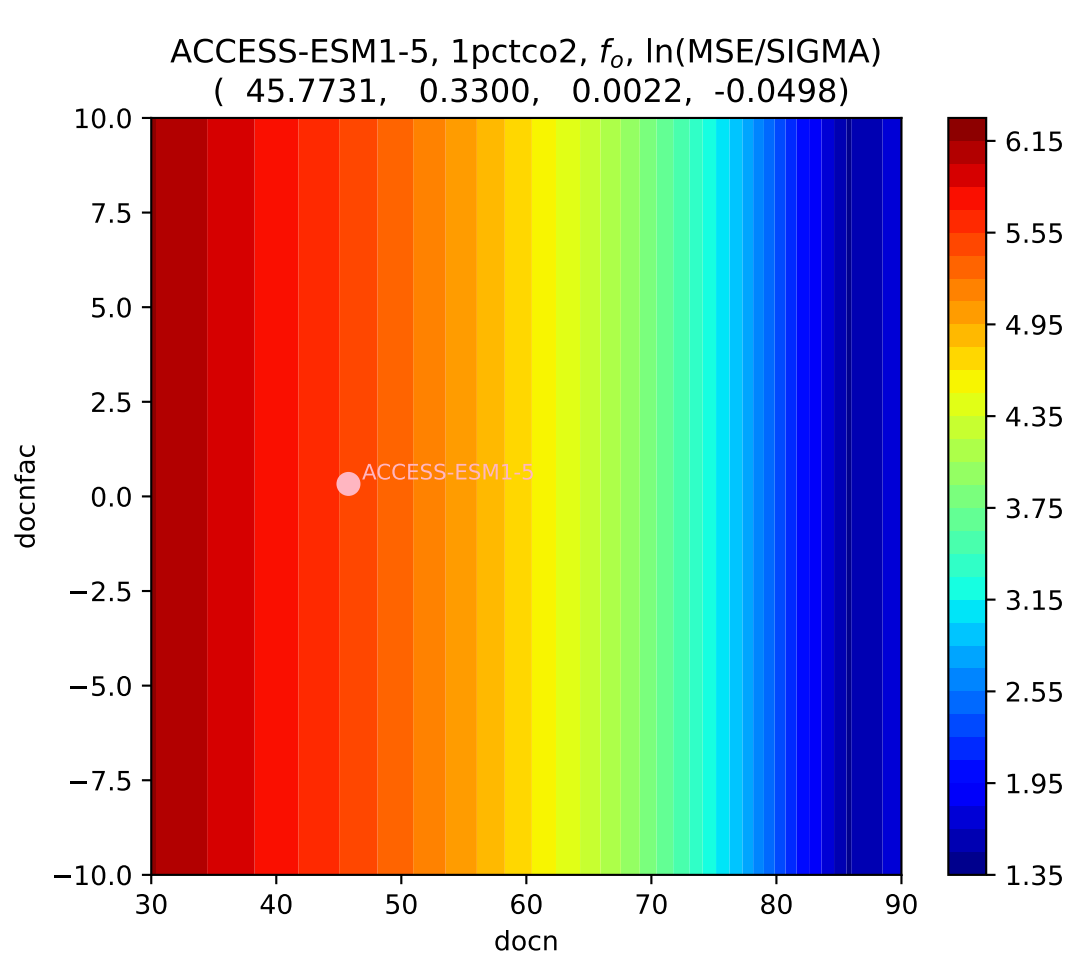
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ACCESS-ESM1-5
docnfac
docn
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
30
40
50
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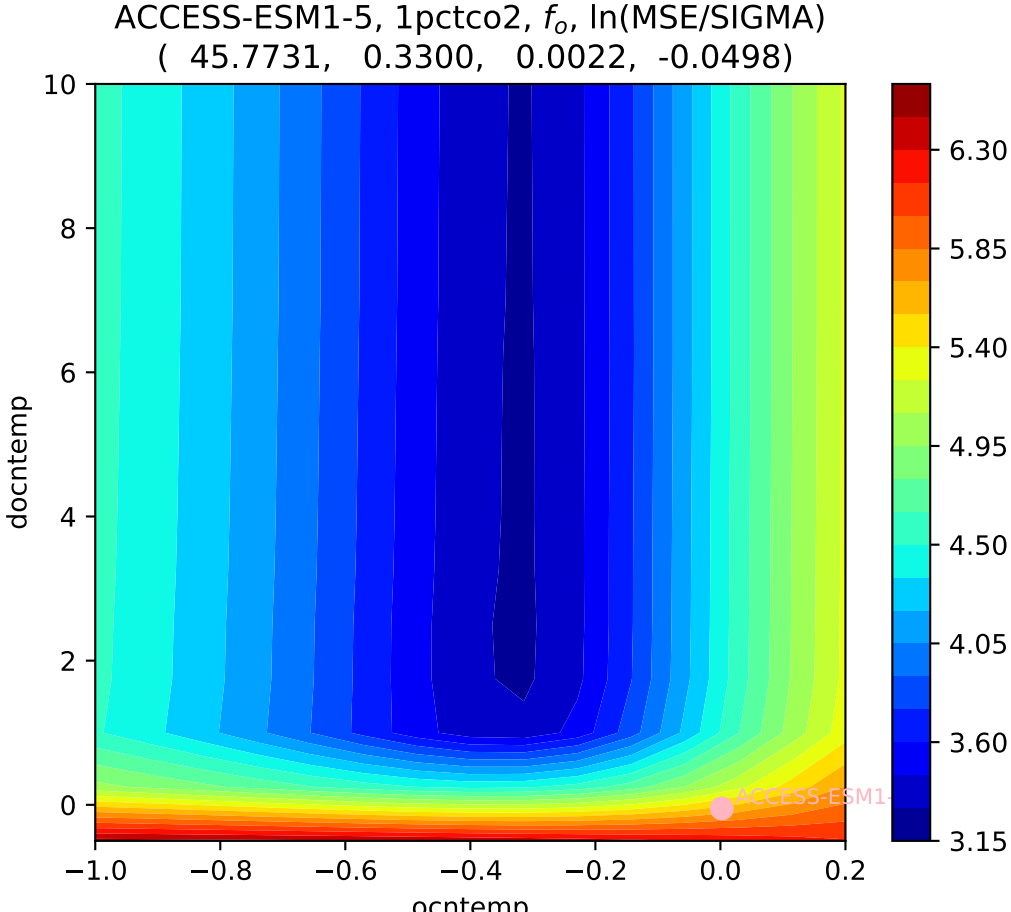
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docntemp
ocntemp
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8
6
4
2
0
−1.0
−0.8
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4.50
4.05
3.60
3.15
ACCESS-ESM1-