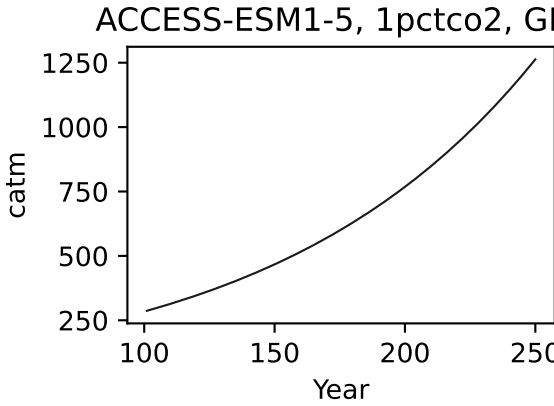
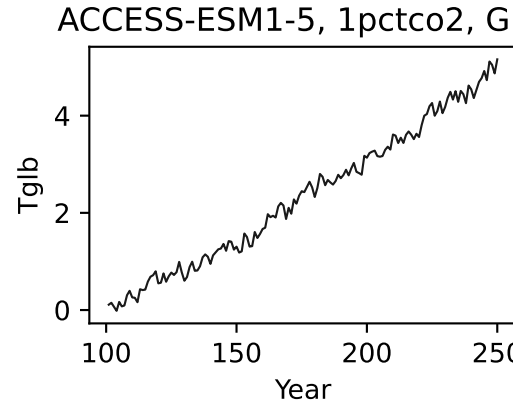
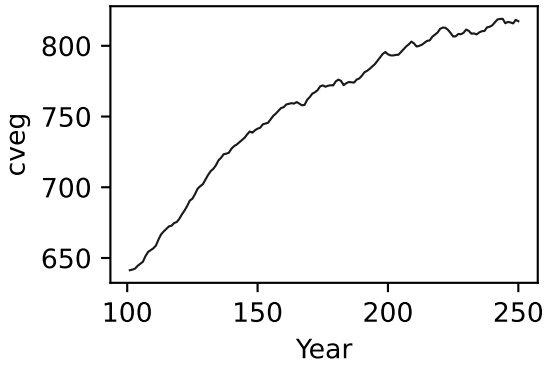
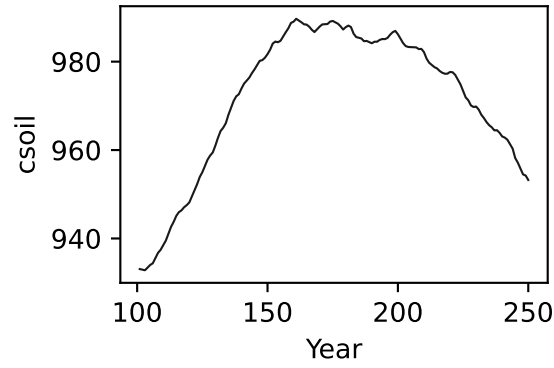
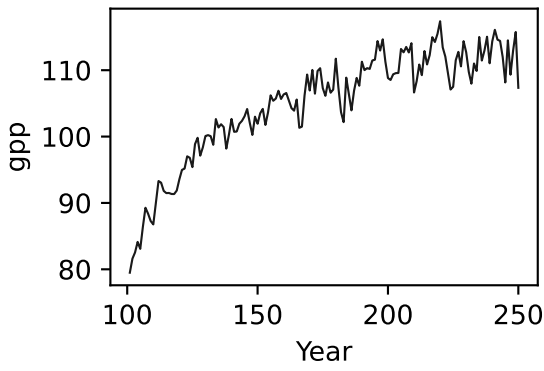
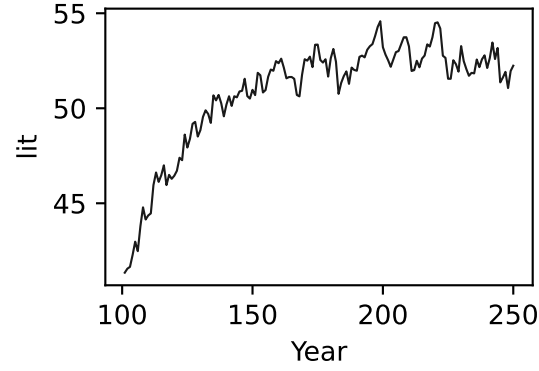

ACCESS-ESM1-5, 1pctco2, GPP
catm
Year

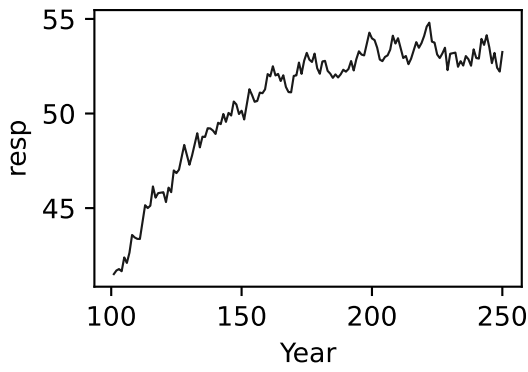

ACCESS-ESM1-5, 1pctco2, GPP
Tglb
Year

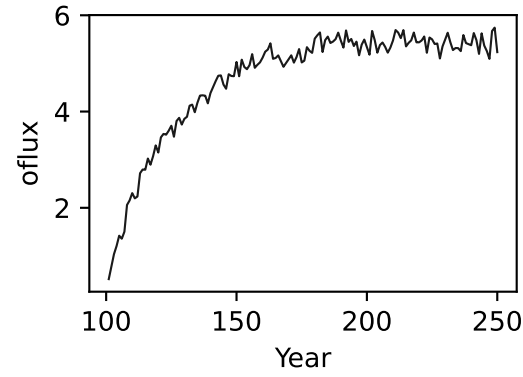

cveg
Year

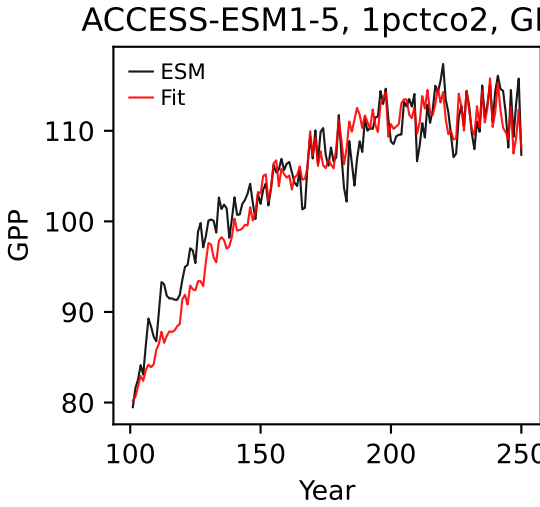

csoil
Year

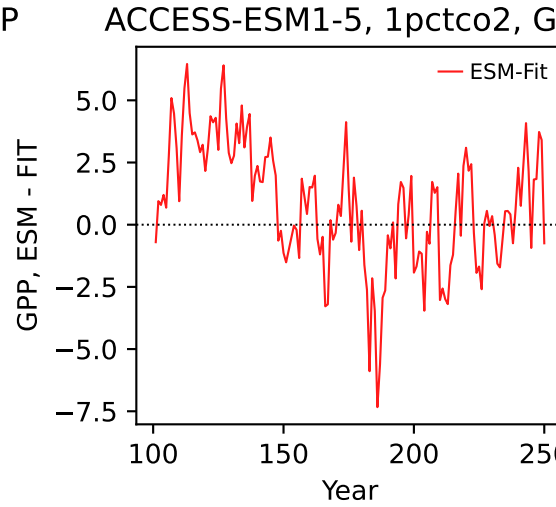

gpp
Year

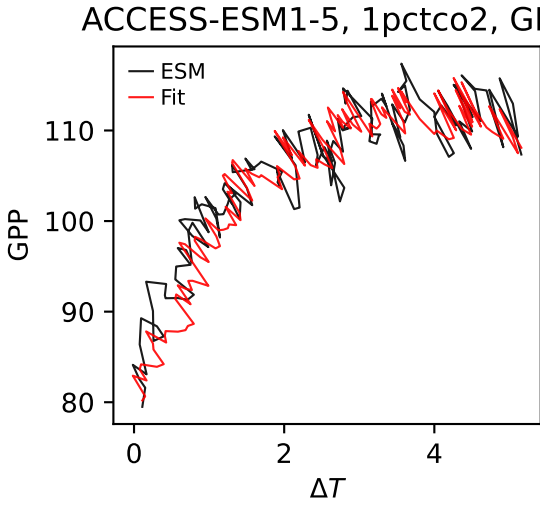

lit
Year

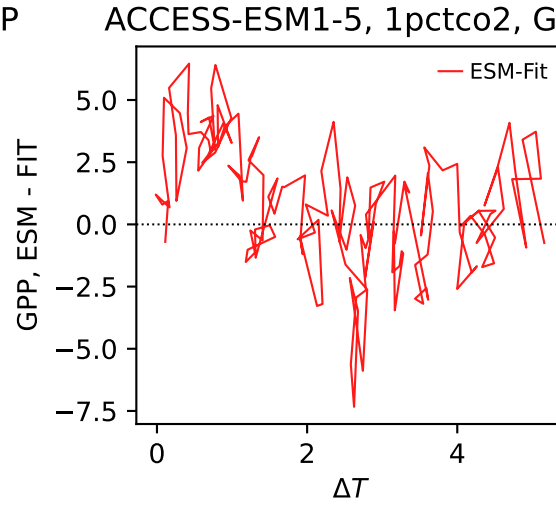

resp
Year

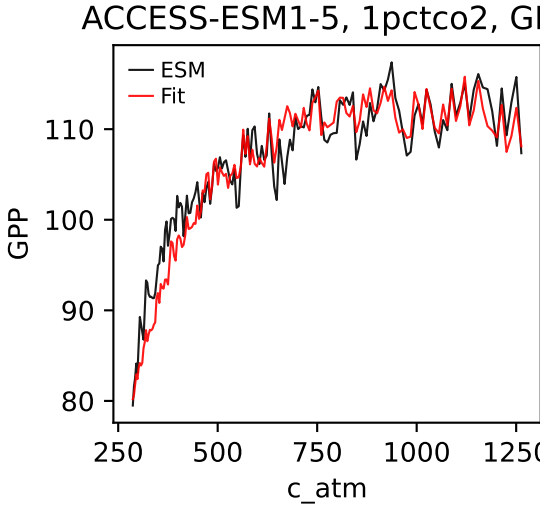

oflux
Year

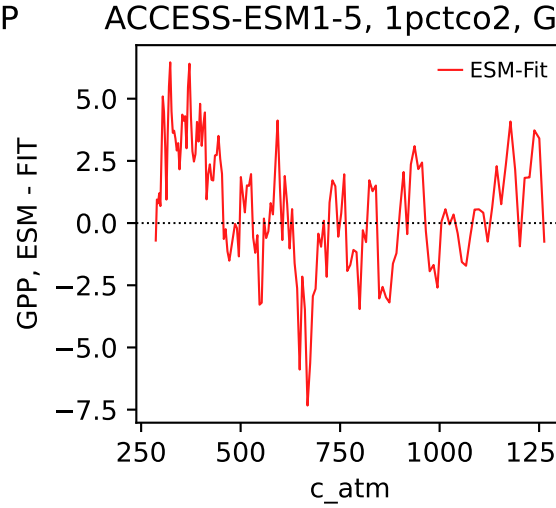

ACCESS-ESM1-5, 1pctco2, GPP
ESM
Fit
GPP
Year

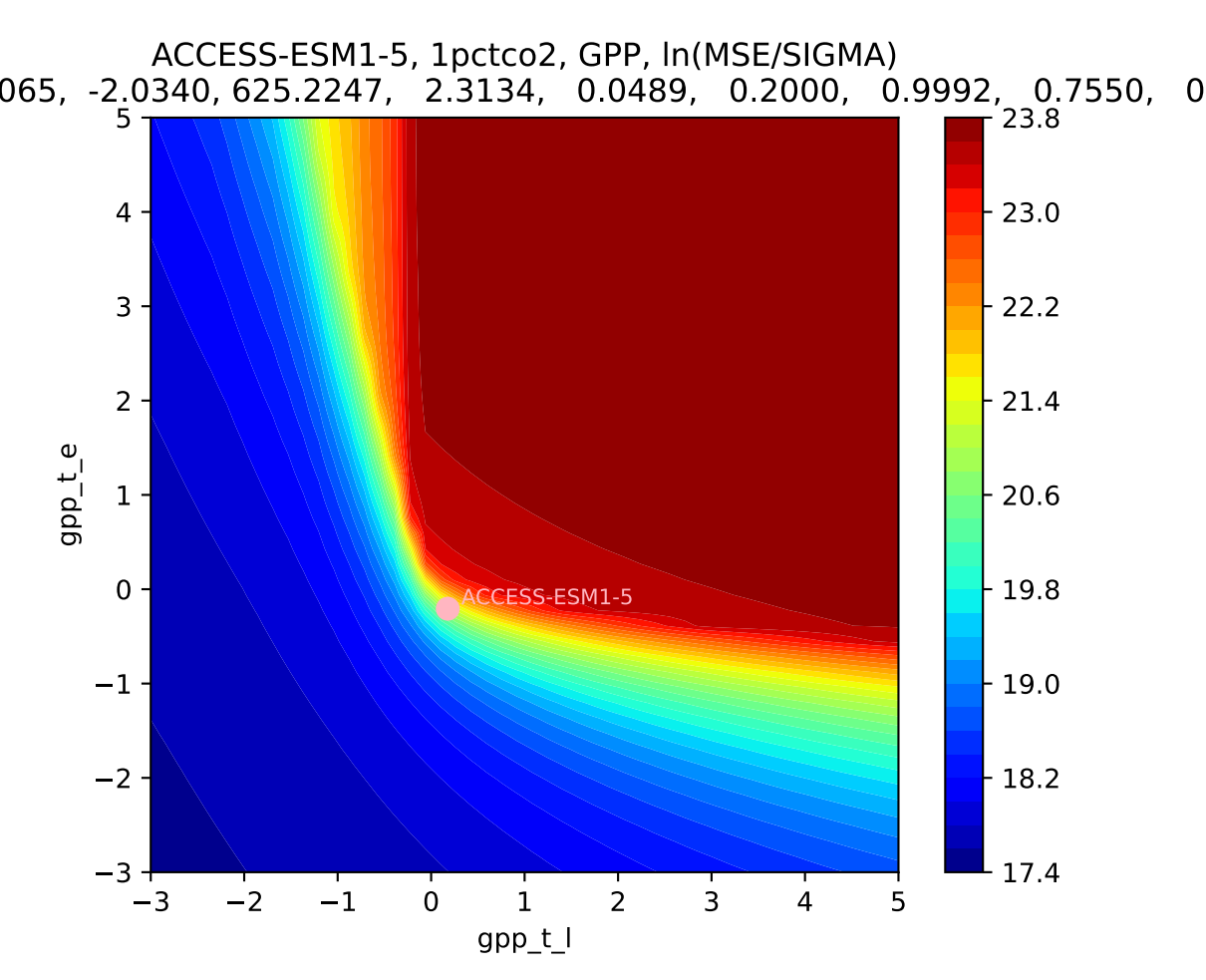

ACCESS-ESM1-5, 1pctco2, GPP
ESM-Fit
GPP, ESM - FIT
Year

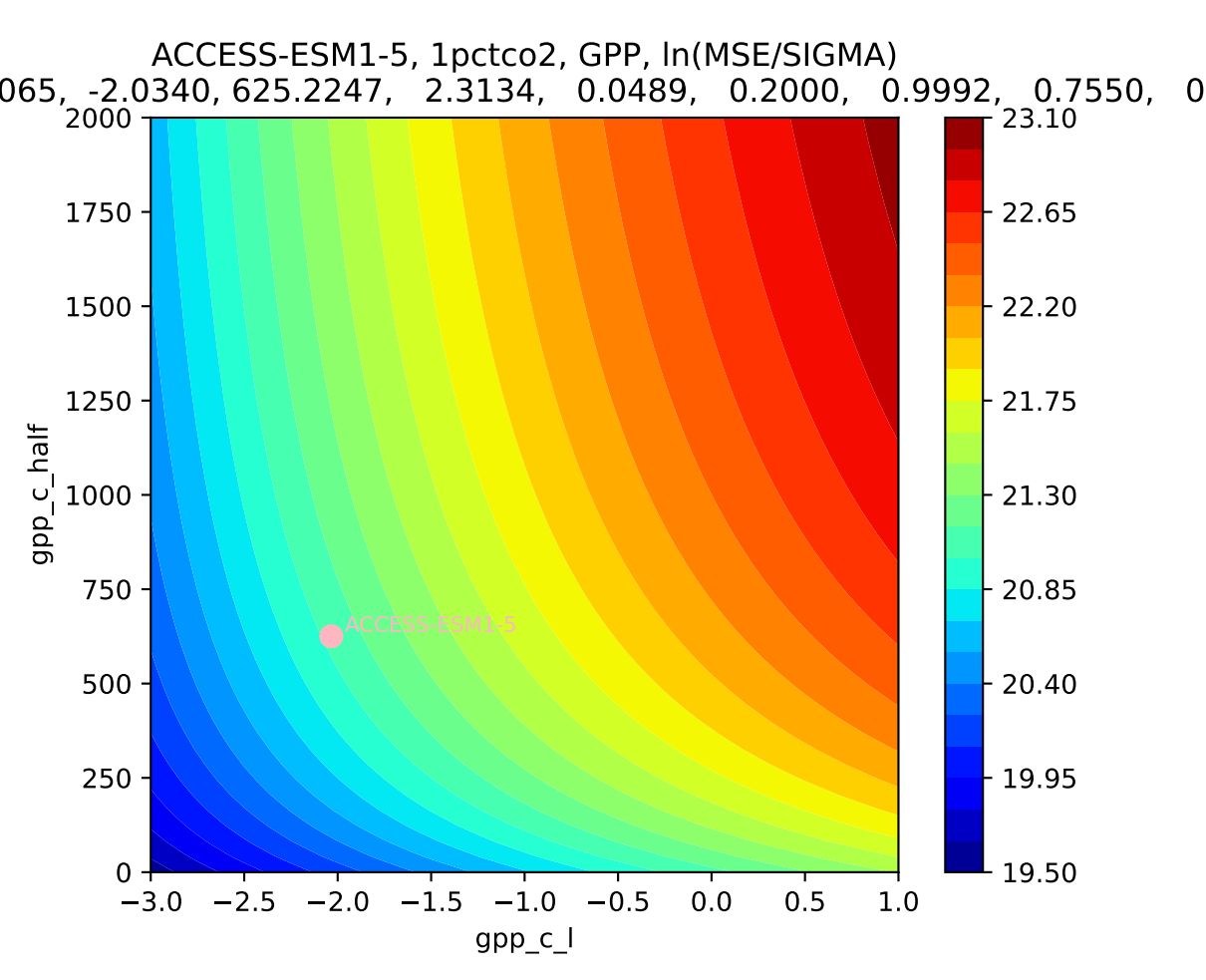

ACCESS-ESM1-5, 1pctco2, GPP
ESM
Fit
GPP
ΔT

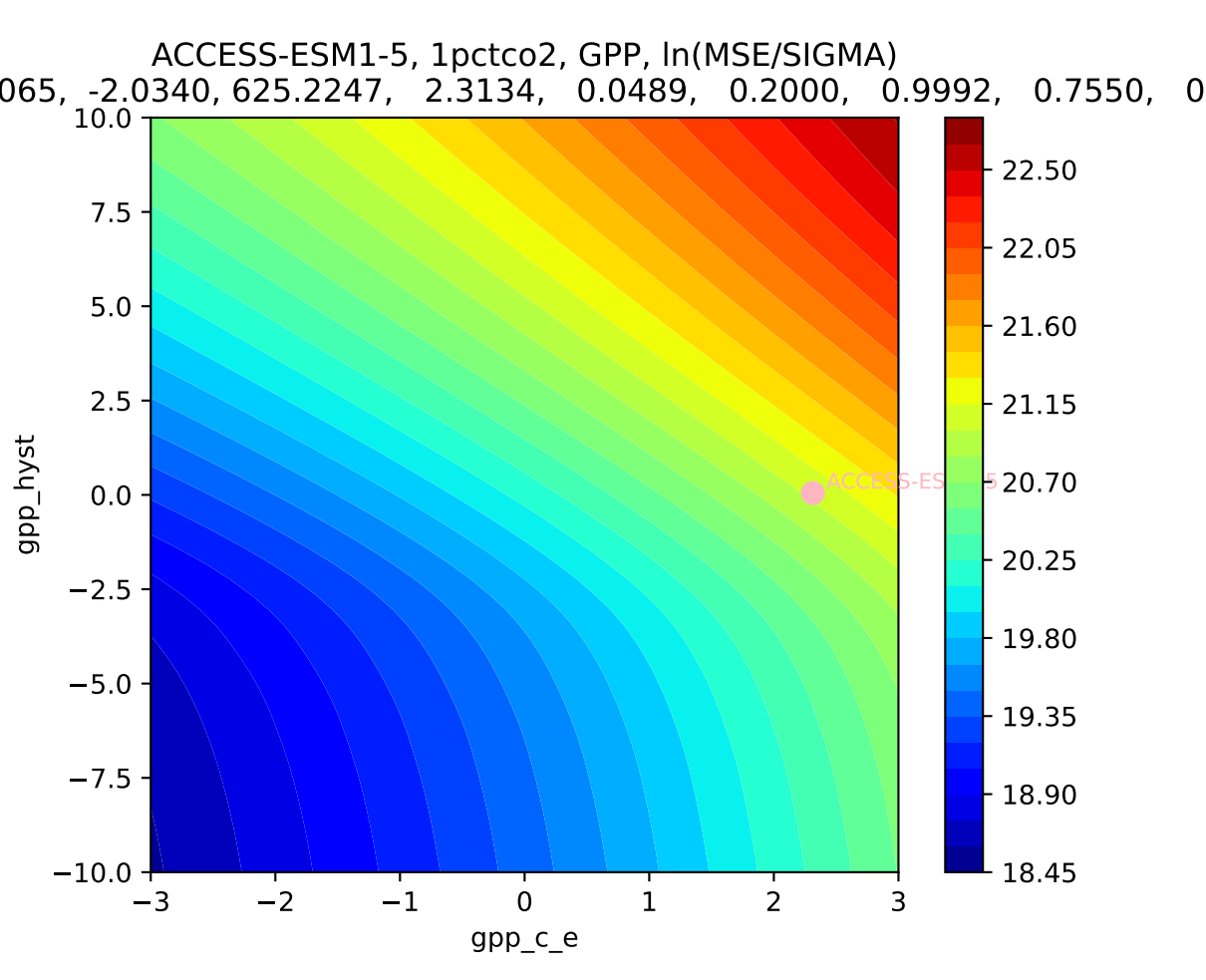

ACCESS-ESM1-5, 1pctco2, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

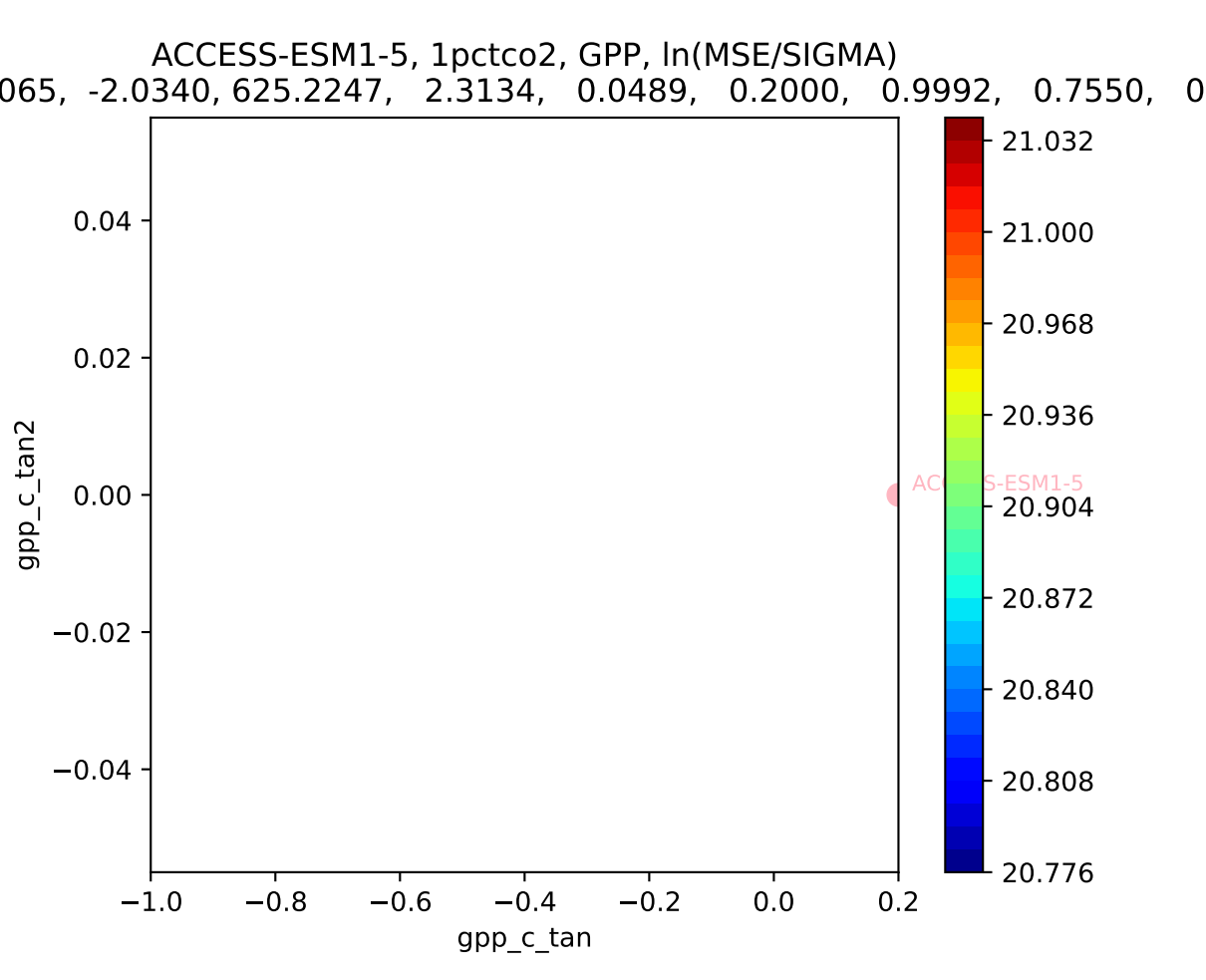

ACCESS-ESM1-5, 1pctco2, GPP
ESM
Fit
GPP
c_atm

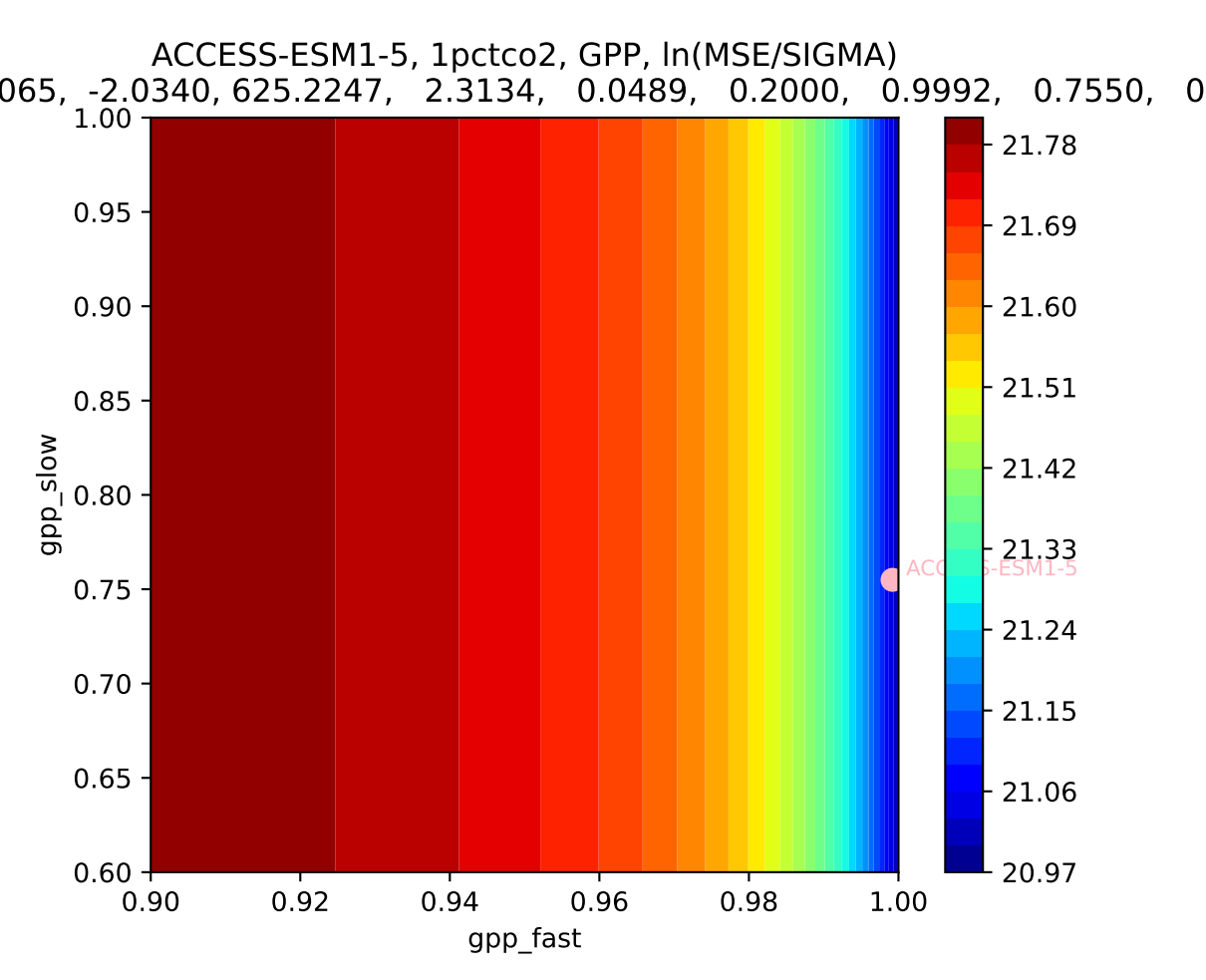

ACCESS-ESM1-5, 1pctco2, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

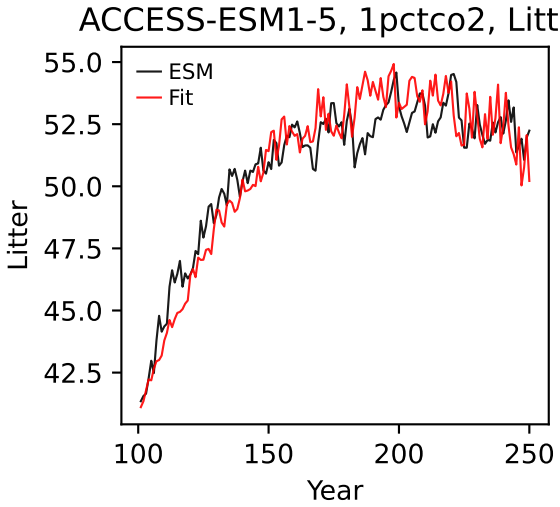

ACCESS-ESM1-5, 1pctco2, GPP, ln(MSE/SIGMA)
065, -2.0340, 625.2247, 2.3134, 0.0489, 0.2000, 0.9992, 0.7550, 0
ACCESS-ESM1-5
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
23.8
23.0
22.2
21.4
20.6
19.8
19.0
18.2
17.4

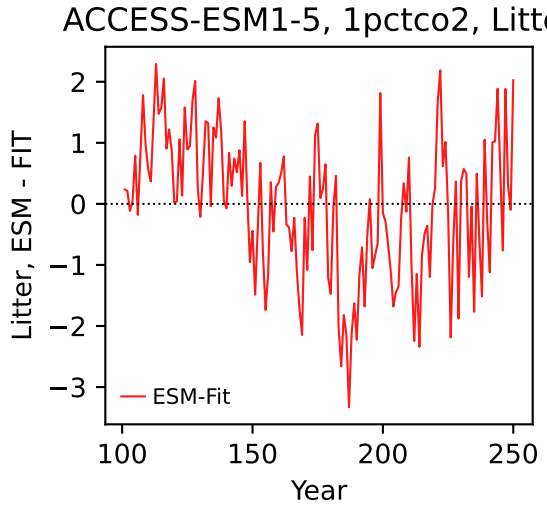

ACCESS-ESM1-5, 1pctco2, GPP, ln(MSE/SIGMA)
065, -2.0340, 625.2247, 2.3134, 0.0489, 0.2000, 0.9992, 0.7550, 0
gpp_c_half
gpp_c_l
ACCESS-ESM1-5
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
23.10
22.65
22.20
21.75
21.30
20.85
20.40
19.95
19.50

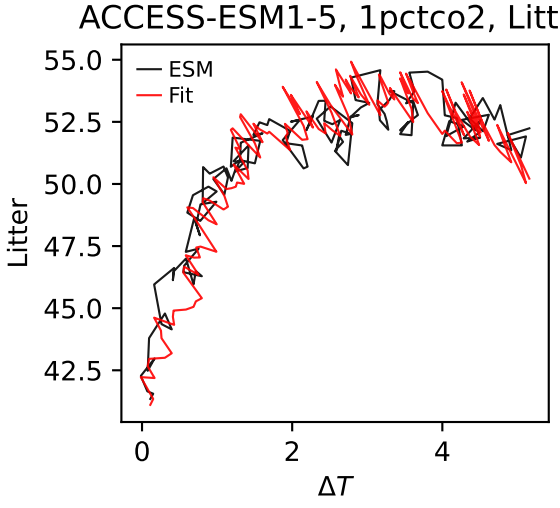

ACCESS-ESM1-5, 1pctco2, GPP, ln(MSE/SIGMA)
065, -2.0340, 625.2247, 2.3134, 0.0489, 0.2000, 0.9992, 0.7550, 0
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.50
22.05
21.60
21.15
20.70
20.25
19.80
19.35
18.90
18.45

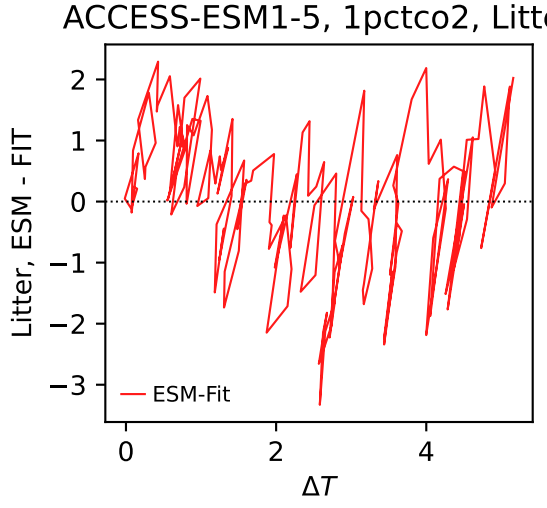

ACCESS-ESM1-5, 1pctco2, GPP, ln(MSE/SIGMA)
065, -2.0340, 625.2247, 2.3134, 0.0489, 0.2000, 0.9992, 0.7550, 0
gpp_c_tan2
gpp_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
21.032
21.000
20.968
20.936
20.904
20.872
20.840
20.808
20.776

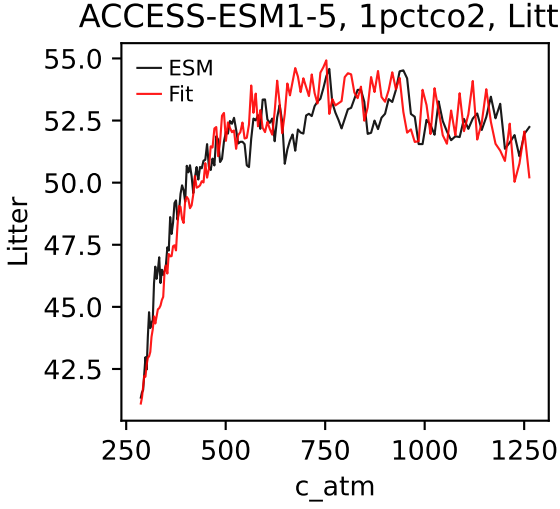

ACCESS-ESM1-5, 1pctco2, GPP, ln(MSE/SIGMA)
065, -2.0340, 625.2247, 2.3134, 0.0489, 0.2000, 0.9992, 0.7550, 0
gpp_slow
gpp_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
21.78
21.69
21.60
21.51
21.42
21.33
21.24
21.15
21.06
20.97

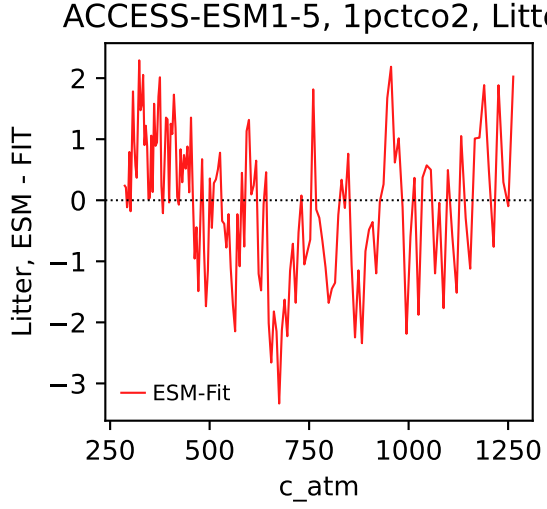

ACCESS-ESM1-5, 1pctco2, Litter
ESM
Fit
Litter
Year

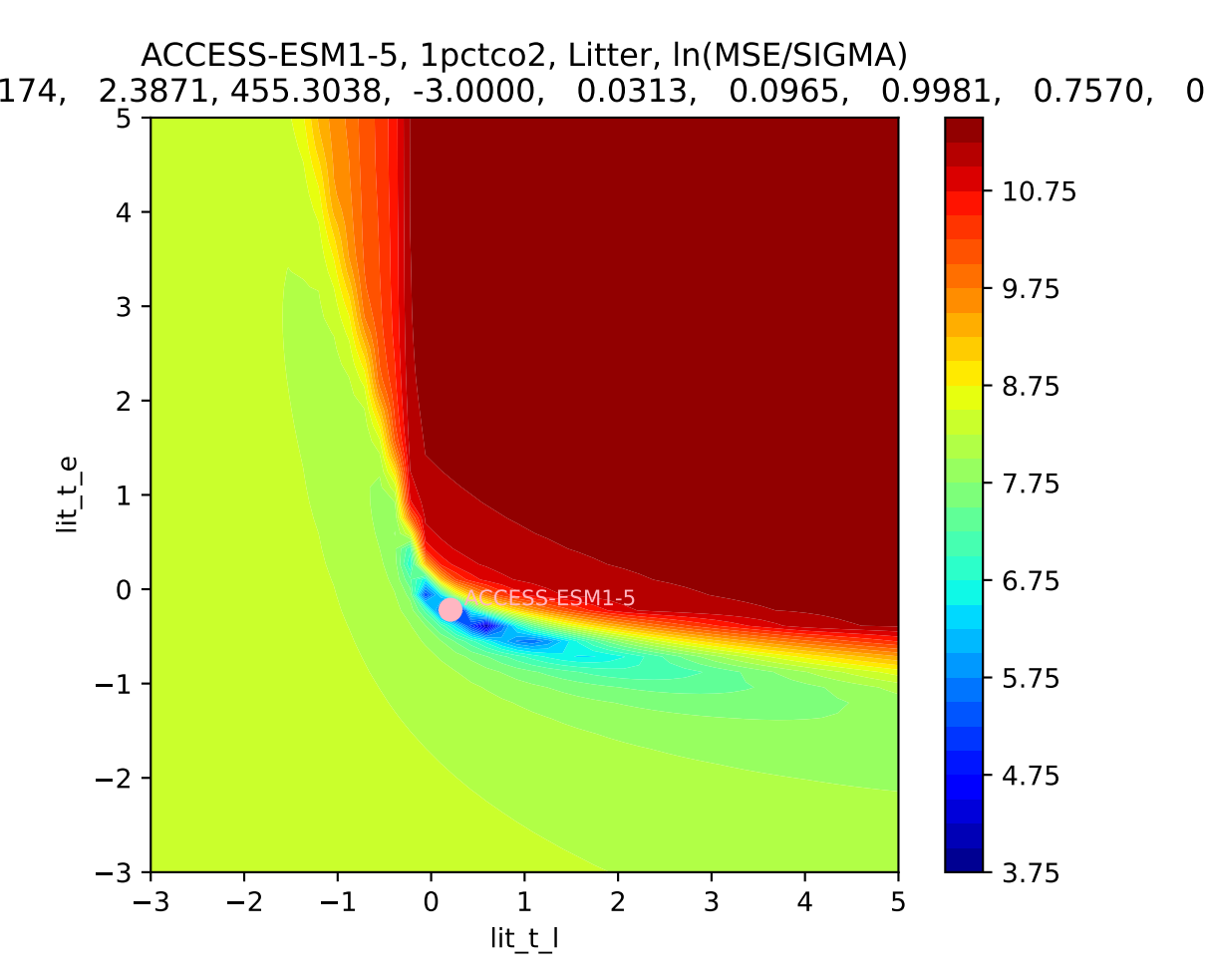

ACCESS-ESM1-5, 1pctco2, Litter
Litter, ESM - FIT
ESM-Fit
Year

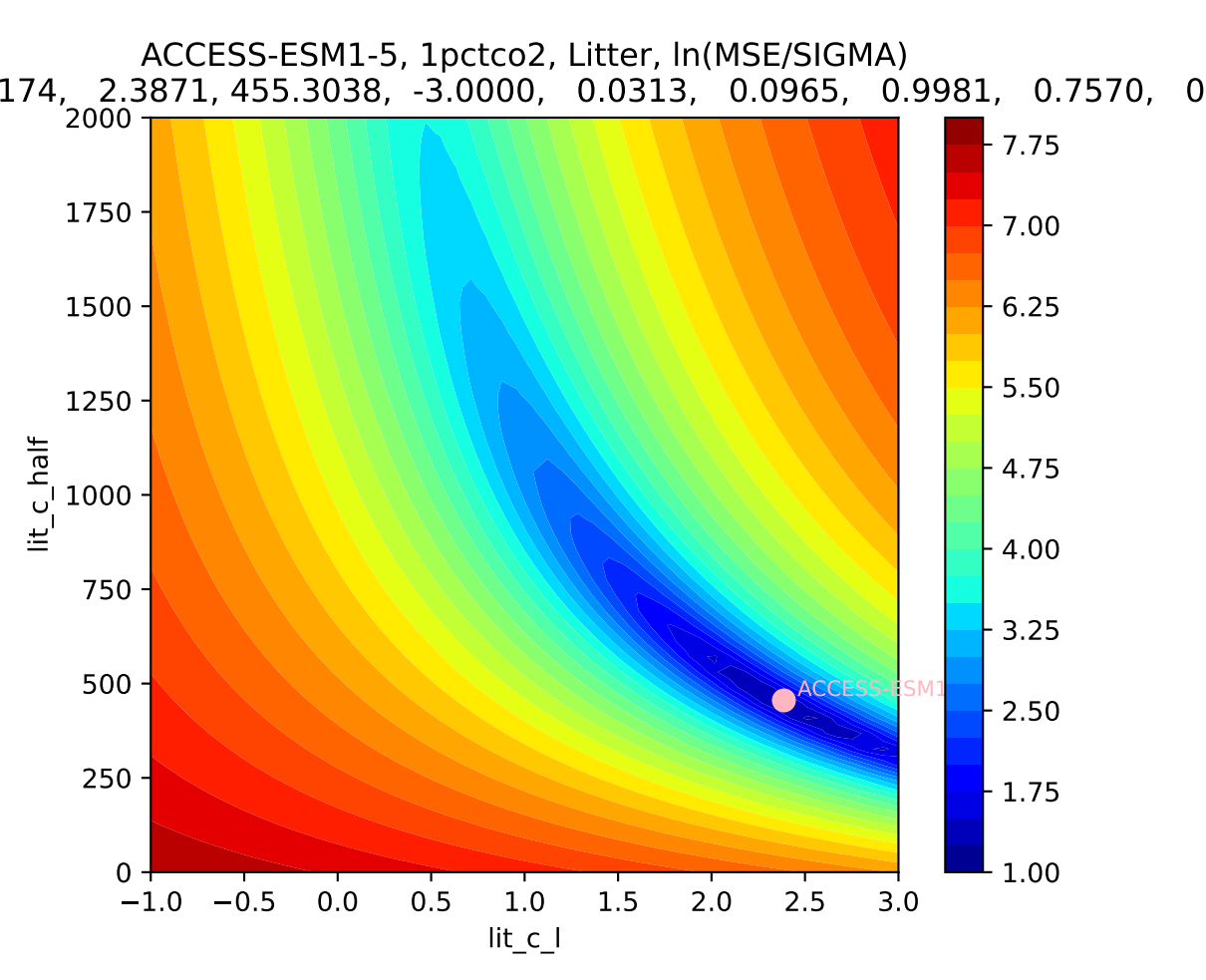

ACCESS-ESM1-5, 1pctco2, Litter
ESM
Fit
Litter
ΔT

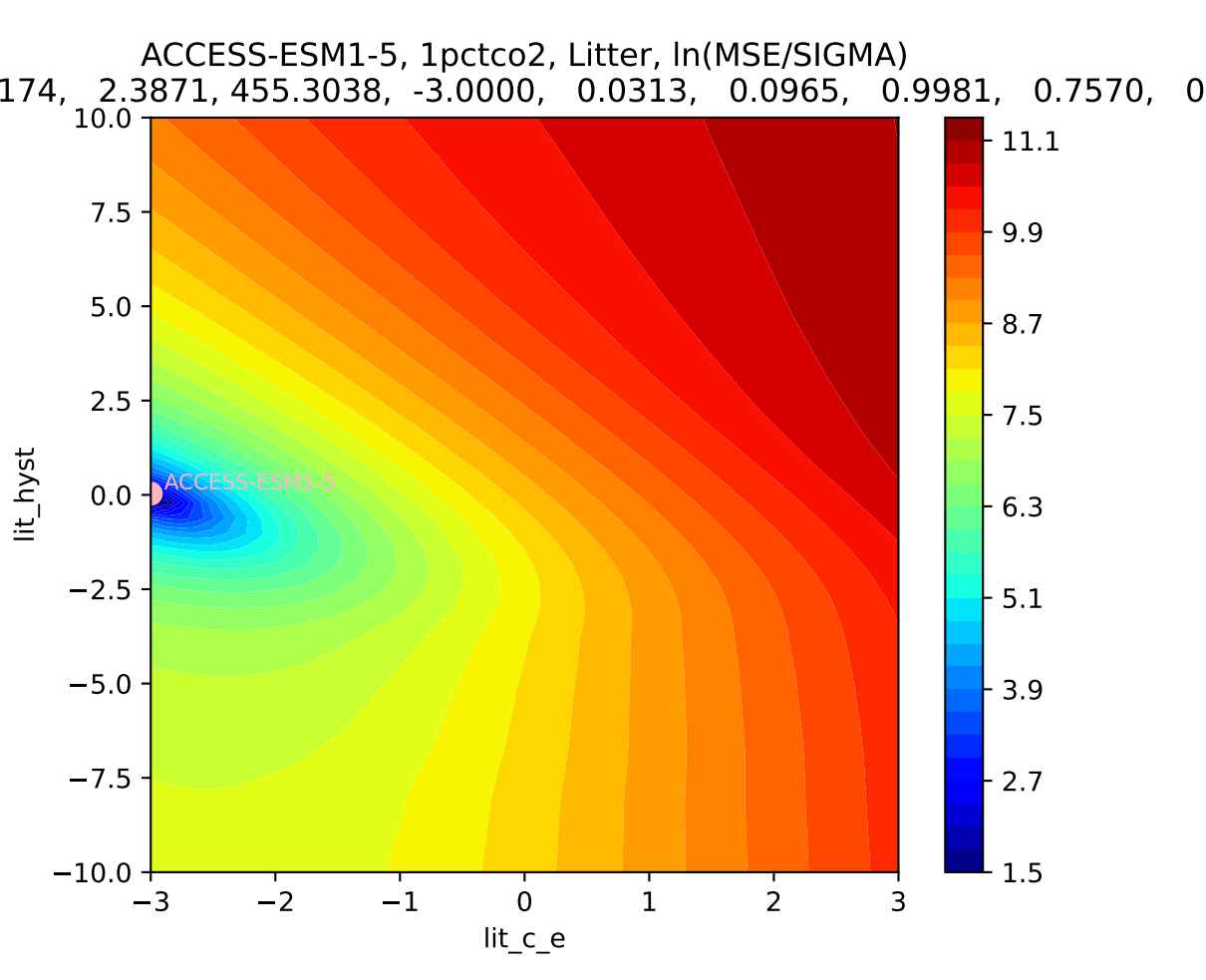

ACCESS-ESM1-5, 1pctco2, Litter
Litter, ESM - FIT
ESM-Fit
ΔT

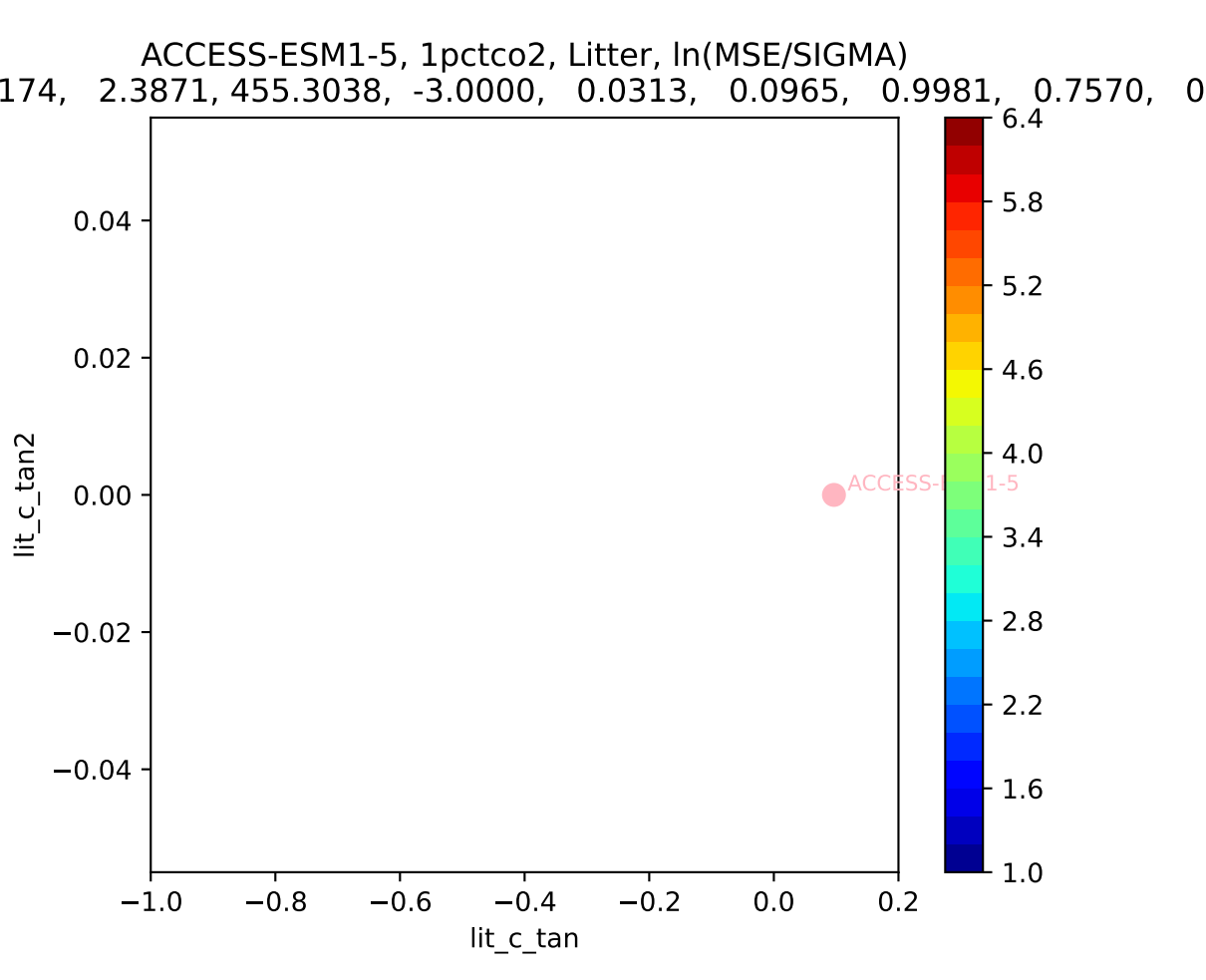

ACCESS-ESM1-5, 1pctco2, Litter
ESM
Fit
Litter
c_atm

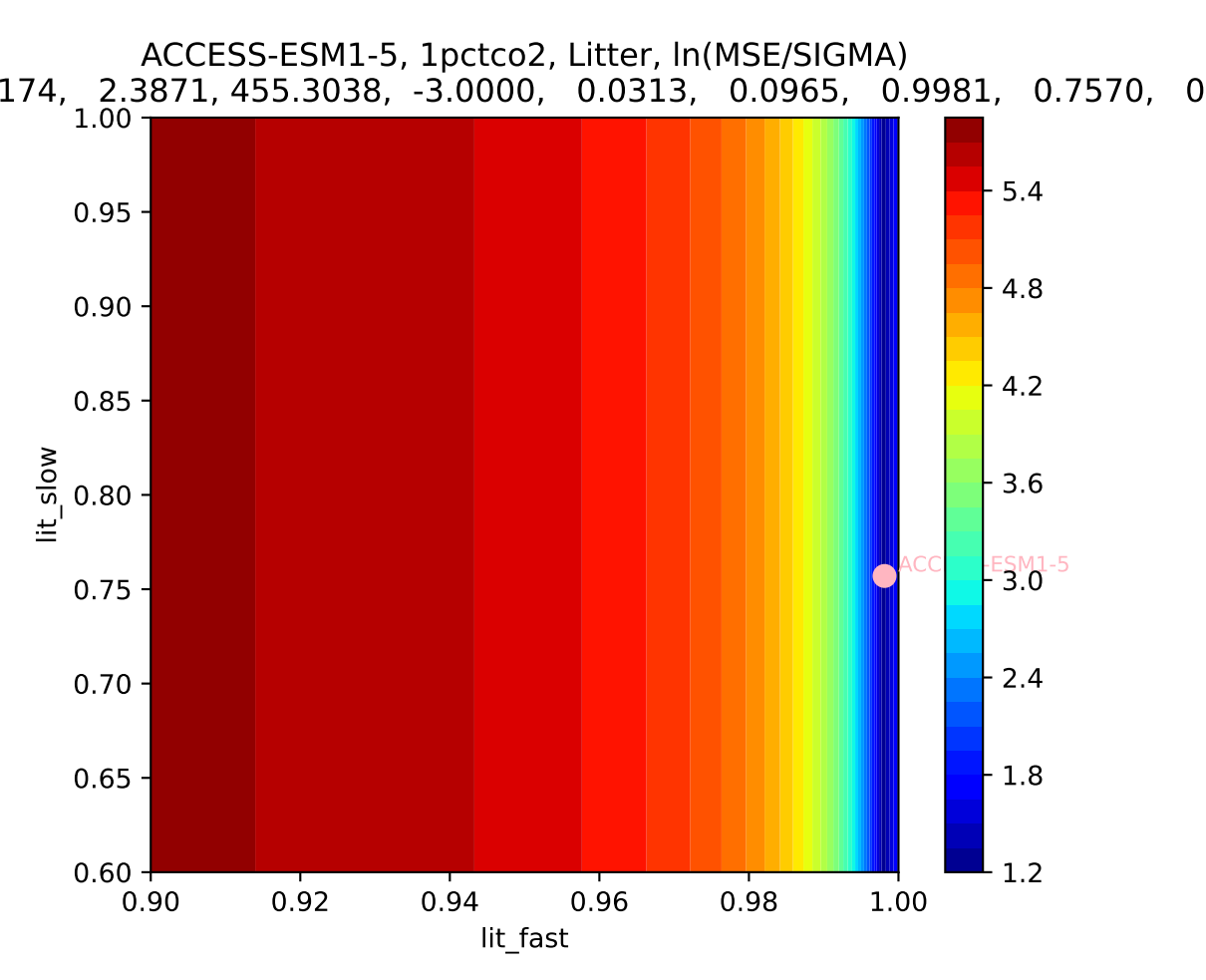

ACCESS-ESM1-5, 1pctco2, Litter
Litter, ESM - FIT
ESM-Fit
c_atm

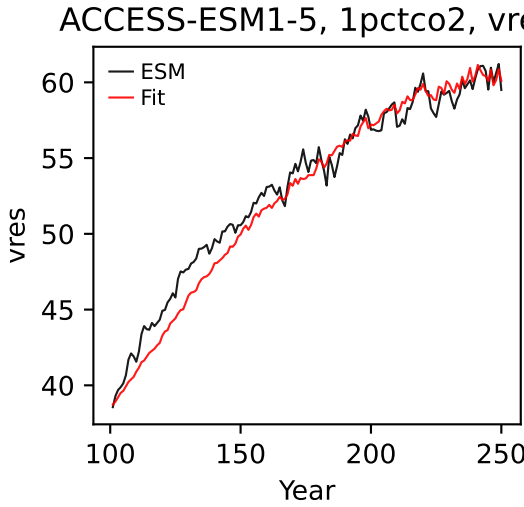

ACCESS-ESM1-5, 1pctco2, Litter, ln(MSE/SIGMA)
174, 2.3871, 455.3038, -3.0000, 0.0313, 0.0965, 0.9981, 0.7570, 0
ACCESS-ESM1-5
lit_t_e
lit_t_l
10.75
9.75
8.75
7.75
6.75
5.75
4.75
3.75

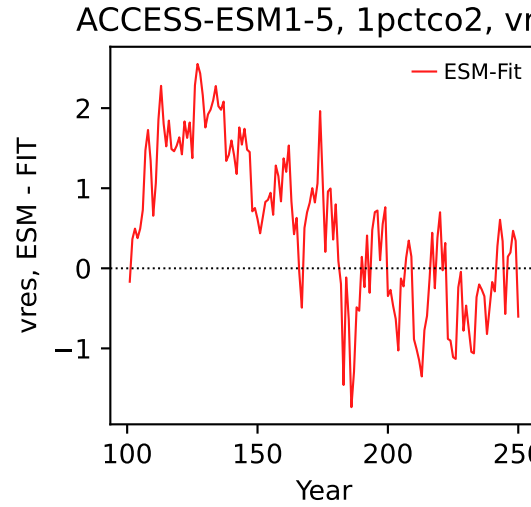

ACCESS-ESM1-5, 1pctco2, Litter, ln(MSE/SIGMA)
174, 2.3871, 455.3038, -3.0000, 0.0313, 0.0965, 0.9981, 0.7570, 0
lit_c_half
lit_c_l
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7.75
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00
ACCESS-ESM1

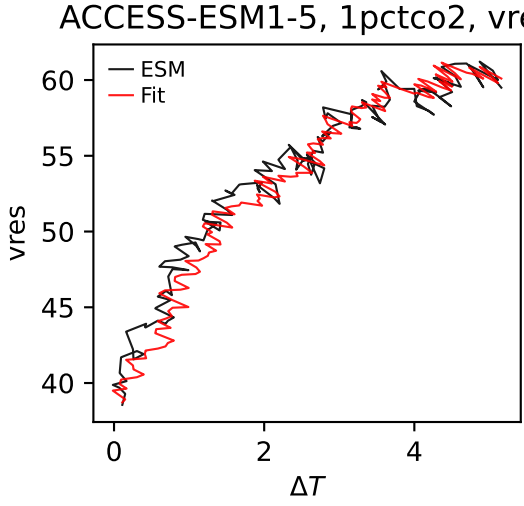

ACCESS-ESM1-5, 1pctco2, Litter, ln(MSE/SIGMA)
174, 2.3871, 455.3038, -3.0000, 0.0313, 0.0965, 0.9981, 0.7570, 0
ACCESS-ESM1-5
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.1
9.9
8.7
7.5
6.3
5.1
3.9
2.7
1.5

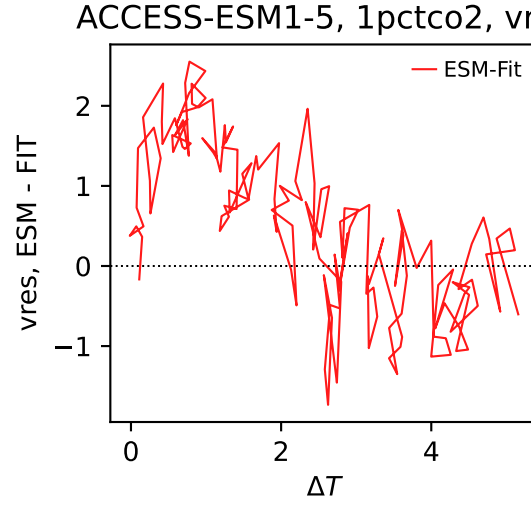

ACCESS-ESM1-5, 1pctco2, Litter, ln(MSE/SIGMA)
174, 2.3871, 455.3038, -3.0000, 0.0313, 0.0965, 0.9981, 0.7570, 0
lit_c_tan2
lit_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
6.4
5.8
5.2
4.6
4.0
3.4
2.8
2.2
1.6
1.0

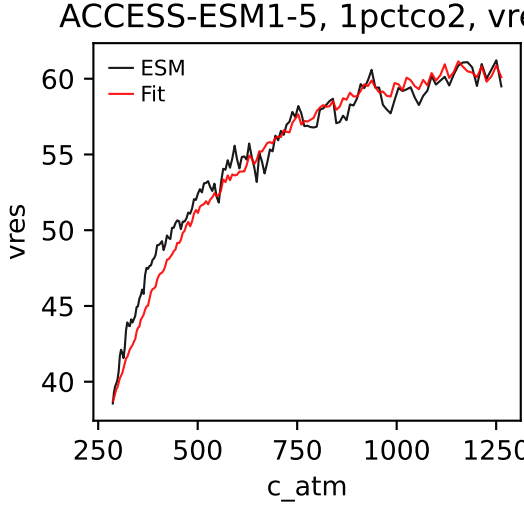

ACCESS-ESM1-5, 1pctco2, Litter, ln(MSE/SIGMA)
174, 2.3871, 455.3038, -3.0000, 0.0313, 0.0965, 0.9981, 0.7570, 0
lit_slow
lit_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
5.4
4.8
4.2
3.6
3.0
2.4
1.8
1.2

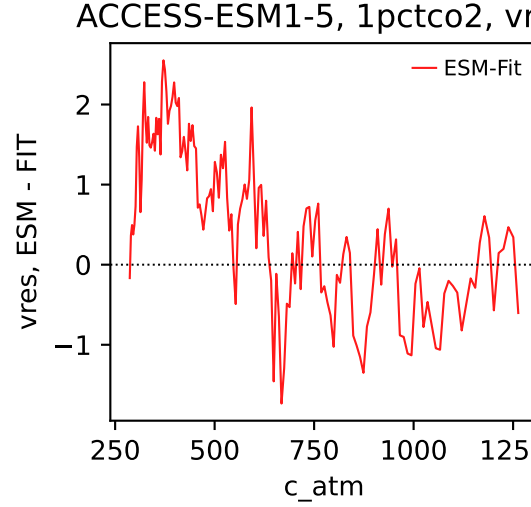

ACCESS-ESM1-5, 1pctco2, vres
ESM
Fit
vres
Year

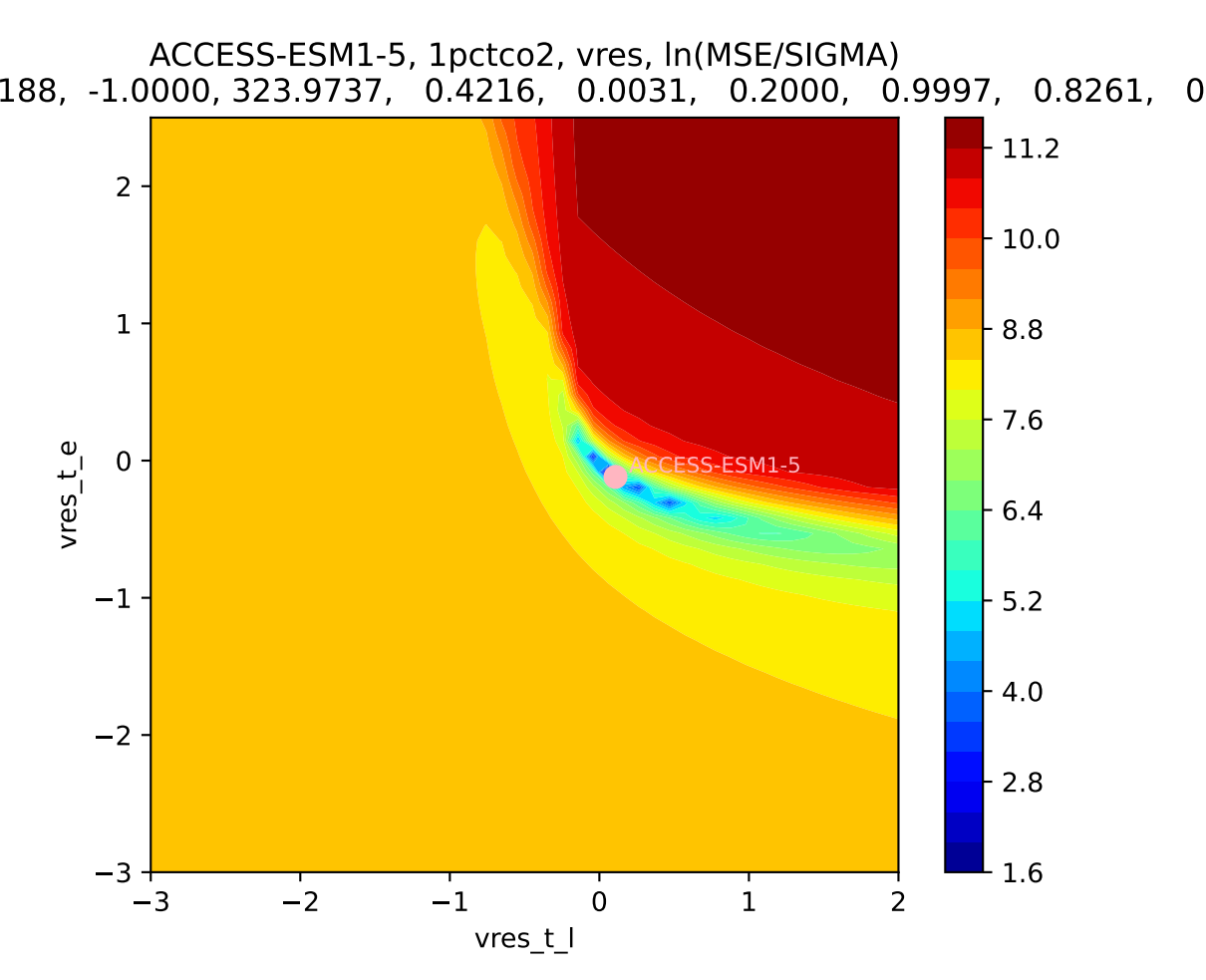

ACCESS-ESM1-5, 1pctco2, vres
ESM-Fit
vres, ESM - FIT
Year

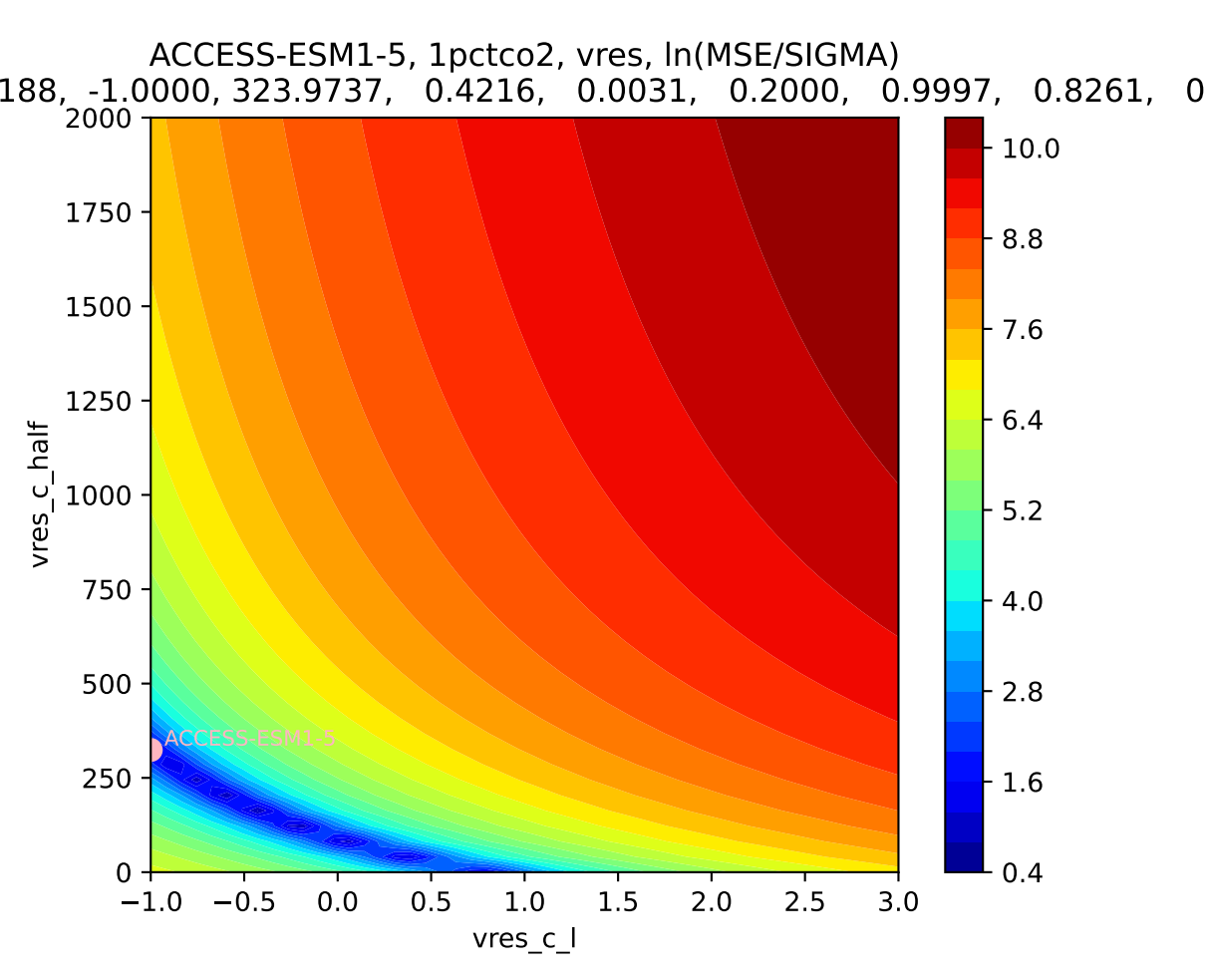

ACCESS-ESM1-5, 1pctco2, vres
ESM
Fit
vres
ΔT

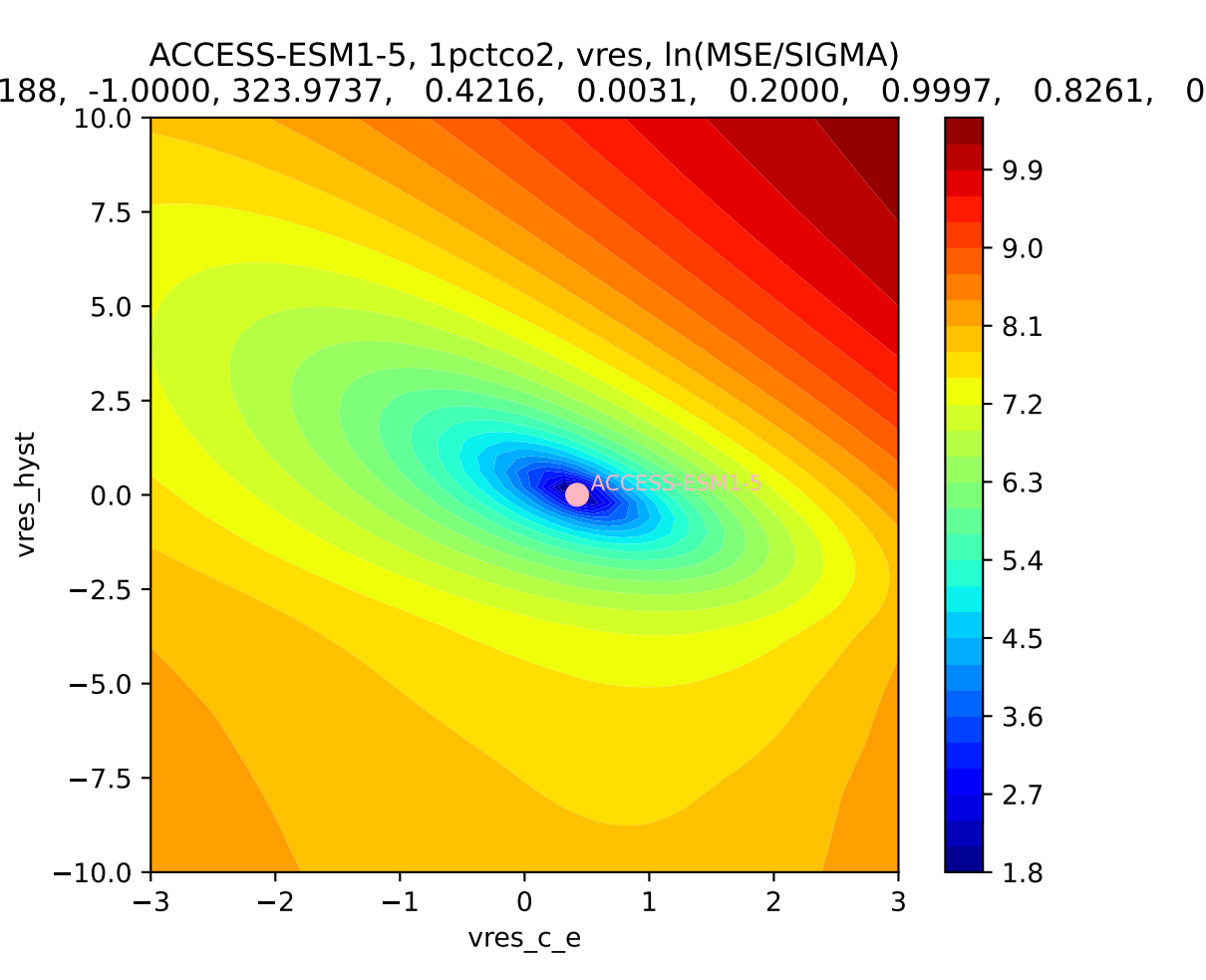

ACCESS-ESM1-5, 1pctco2, vres
ESM-Fit
vres, ESM - FIT
ΔT

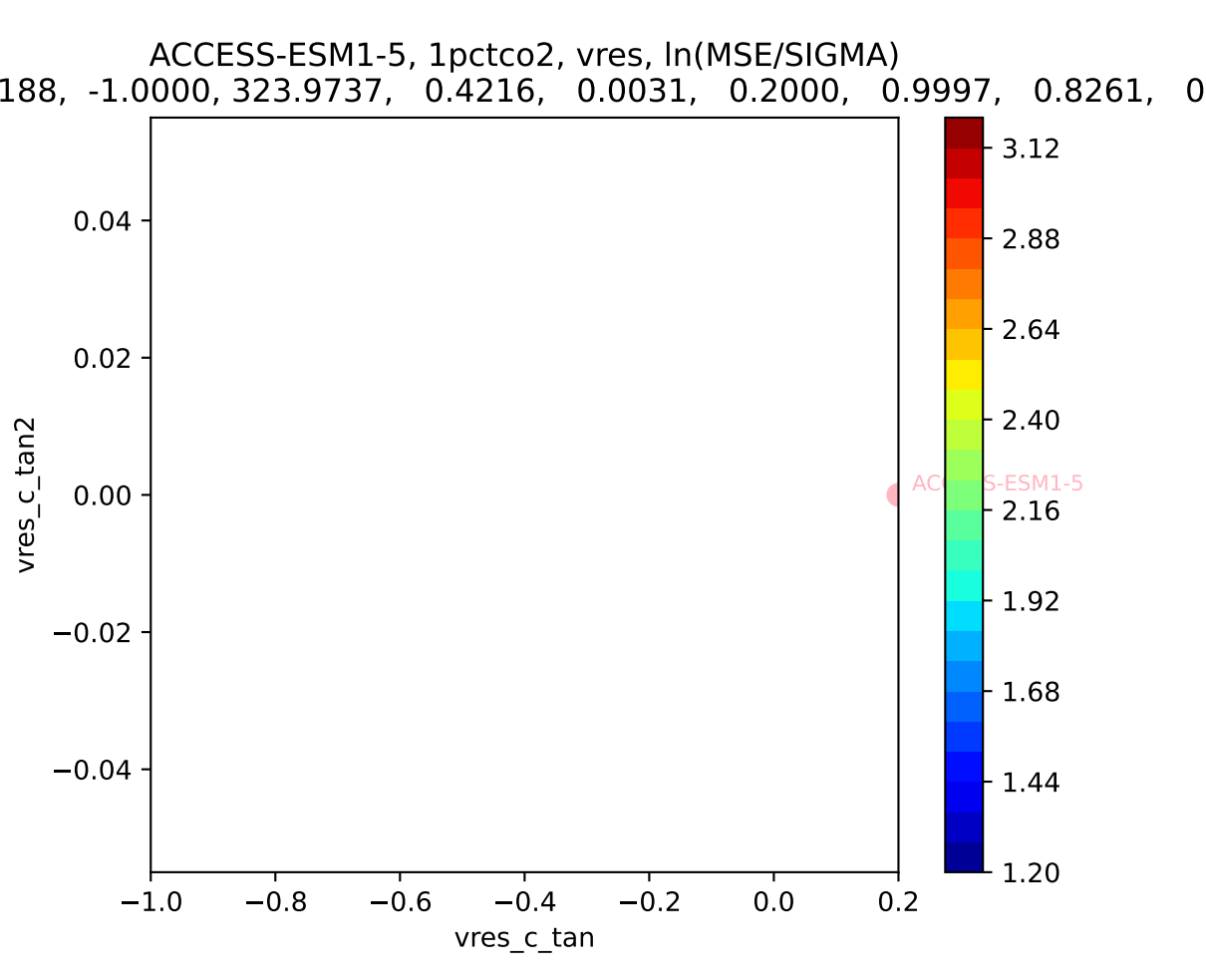

ACCESS-ESM1-5, 1pctco2, vres
ESM
Fit
vres
c_atm

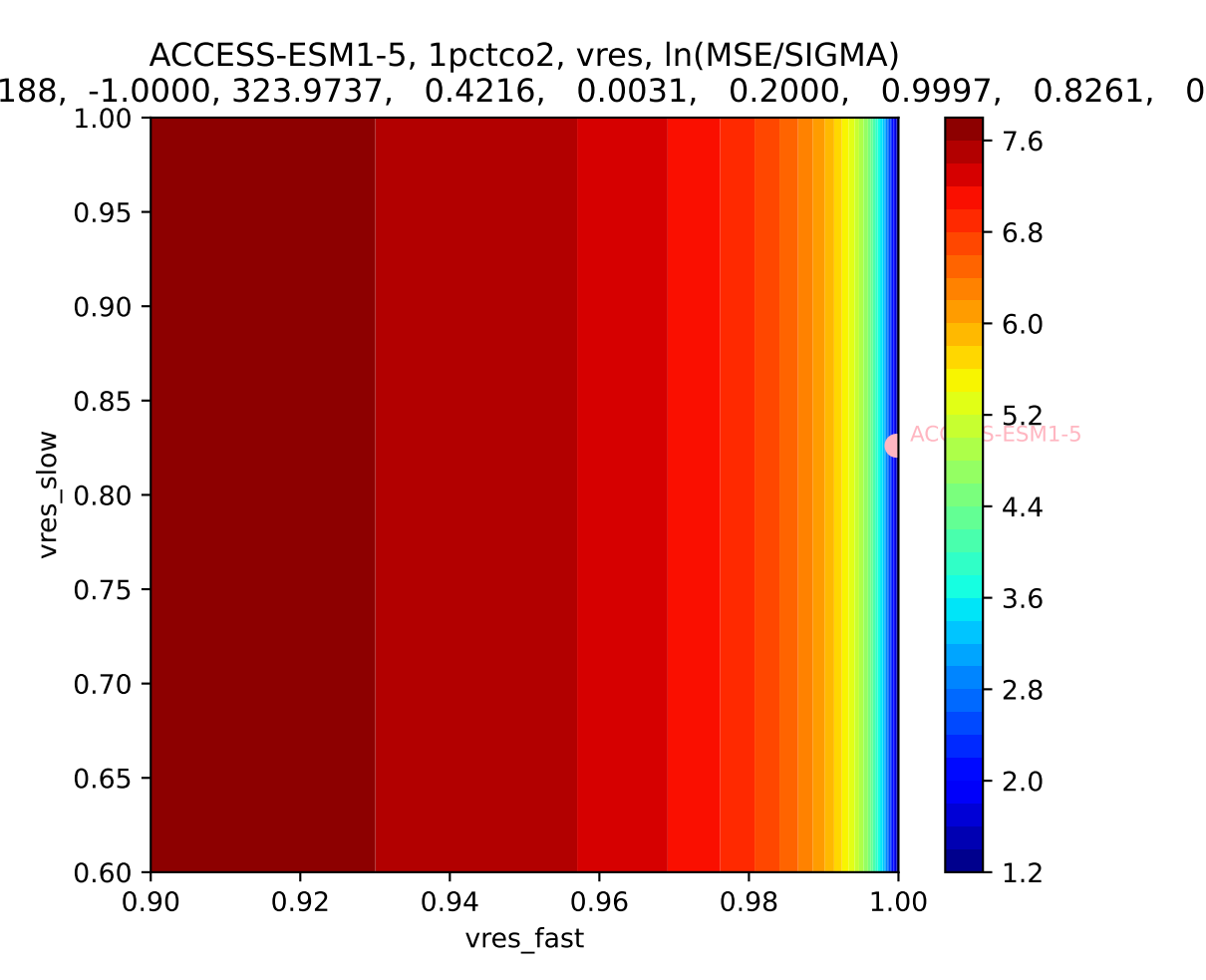

ACCESS-ESM1-5, 1pctco2, vres
ESM-Fit
vres, ESM - FIT
c_atm

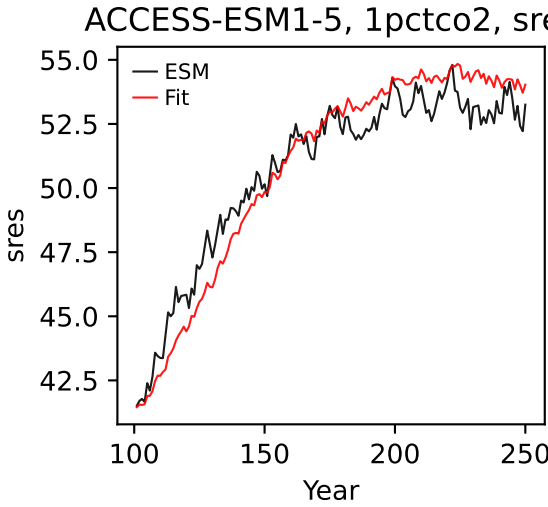

ACCESS-ESM1-5, 1pctco2, vres, ln(MSE/SIGMA)
188, -1.0000, 323.9737, 0.4216, 0.0031, 0.2000, 0.9997, 0.8261, 0
ACCESS-ESM1-5
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6

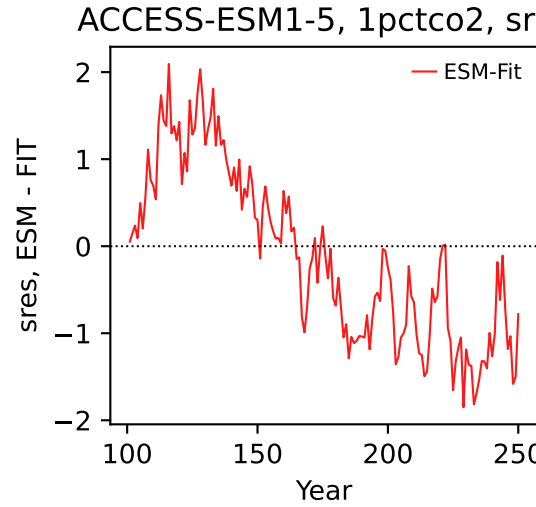

ACCESS-ESM1-5, 1pctco2, vres, ln(MSE/SIGMA)
188, -1.0000, 323.9737, 0.4216, 0.0031, 0.2000, 0.9997, 0.8261, 0
vres_c_half
vres_c_l
ACCESS-ESM1-5
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

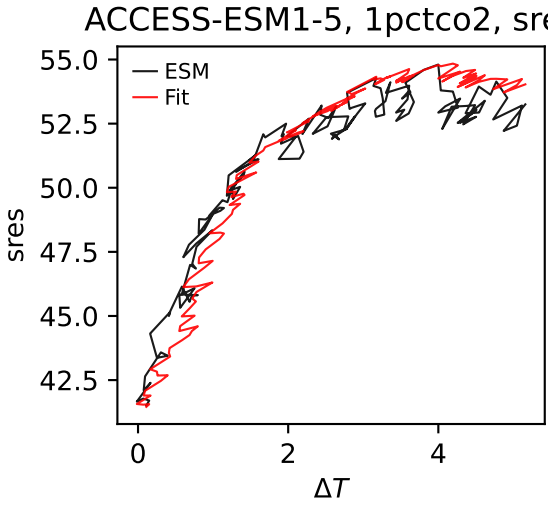

ACCESS-ESM1-5, 1pctco2, vres, ln(MSE/SIGMA)
188, -1.0000, 323.9737, 0.4216, 0.0031, 0.2000, 0.9997, 0.8261, 0
ACCESS-ESM1-5
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
9.9
9.0
8.1
7.2
6.3
5.4
4.5
3.6
2.7
1.8

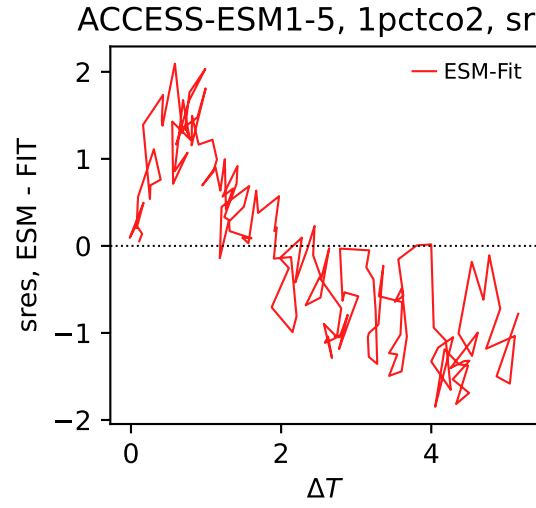

ACCESS-ESM1-5, 1pctco2, vres, ln(MSE/SIGMA)
188, -1.0000, 323.9737, 0.4216, 0.0031, 0.2000, 0.9997, 0.8261, 0
0.04
0.02
0.00
−0.02
−0.04
vres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
vres_c_tan
3.12
2.88
2.64
2.40
2.16
1.92
1.68
1.44
1.20

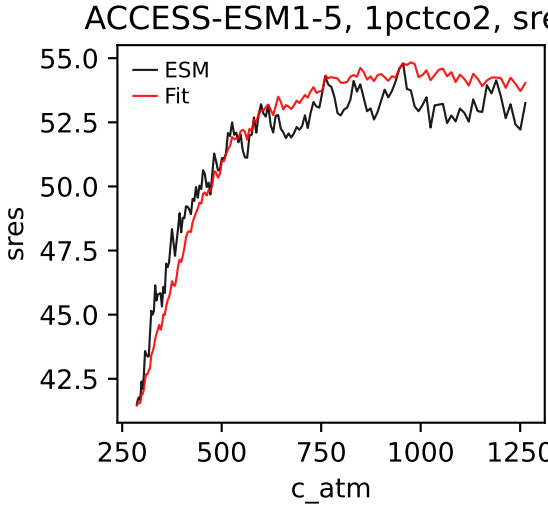

ACCESS-ESM1-5, 1pctco2, vres, ln(MSE/SIGMA)
188, -1.0000, 323.9737, 0.4216, 0.0031, 0.2000, 0.9997, 0.8261, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
0.90
0.92
0.94
0.96
0.98
1.00
vres_fast
7.6
6.8
6.0
5.2
4.4
3.6
2.8
2.0
1.2

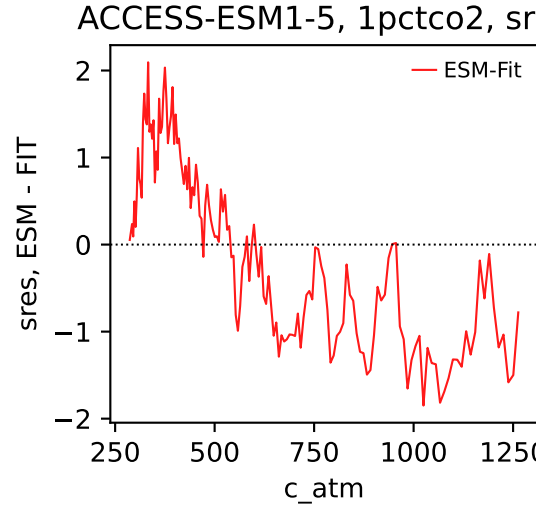

ACCESS-ESM1-5, 1pctco2, sres
ESM
Fit
sres
Year

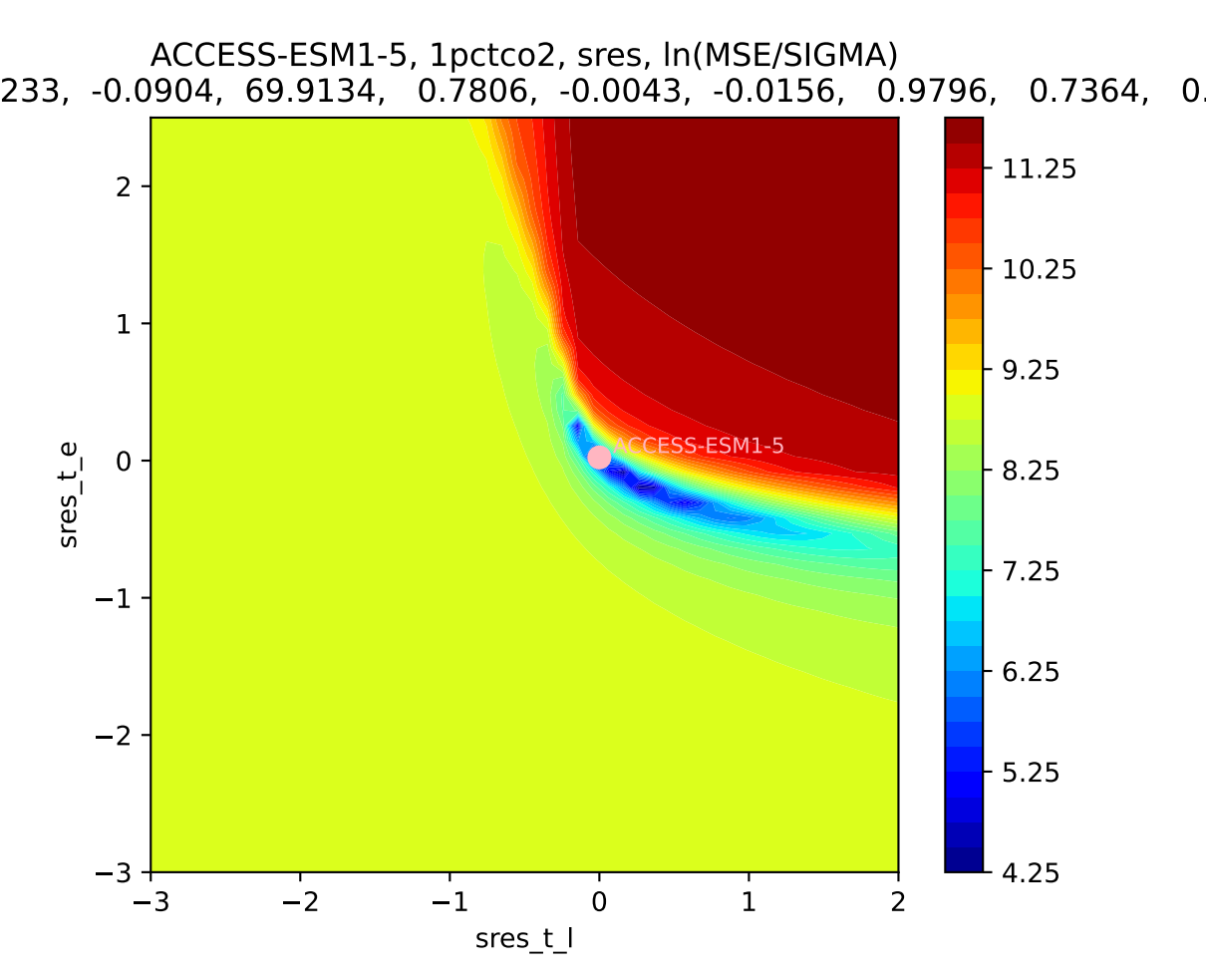

ACCESS-ESM1-5, 1pctco2, sres
ESM-Fit
sres, ESM - FIT
Year

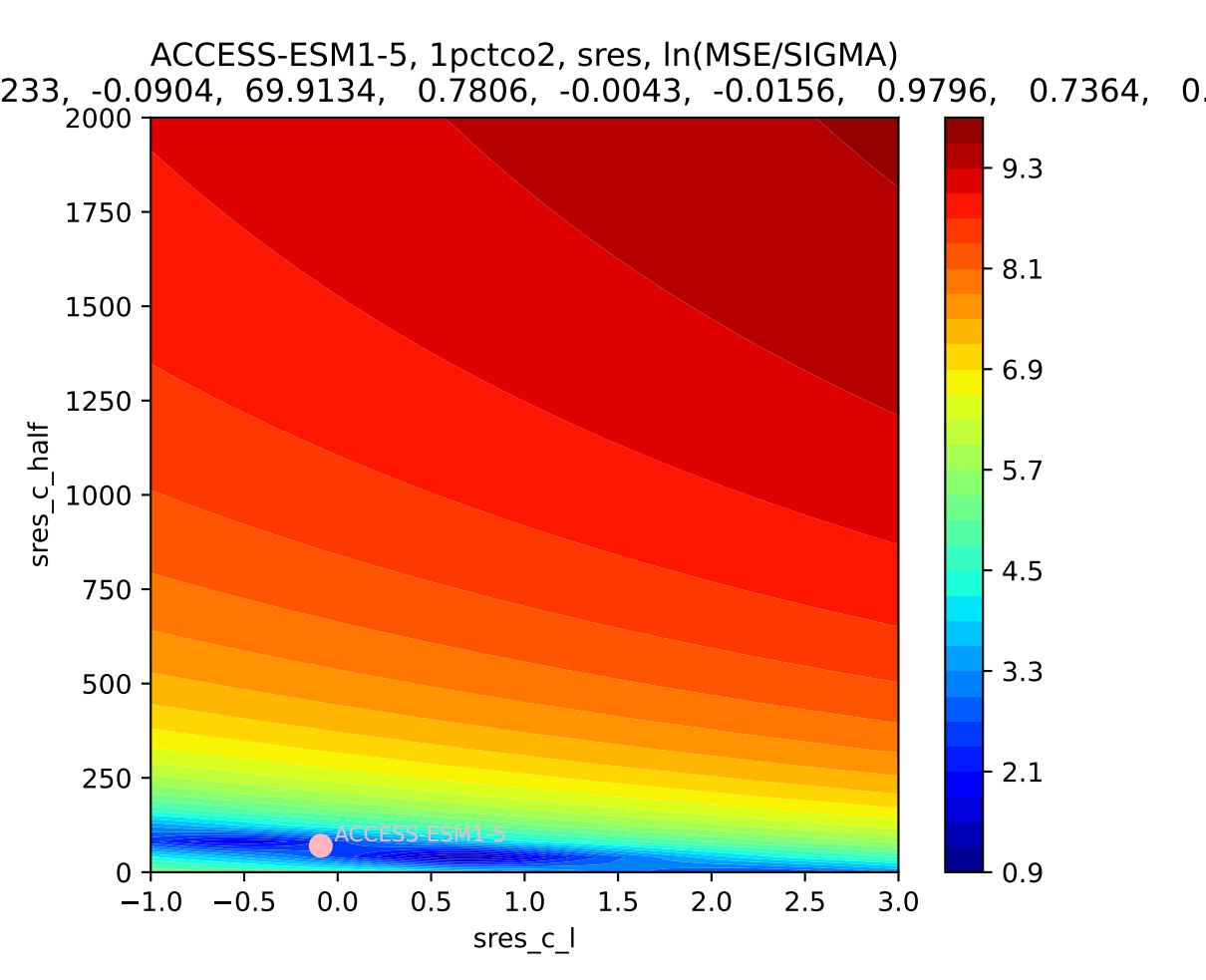

ACCESS-ESM1-5, 1pctco2, sres
ESM
Fit
sres
ΔT

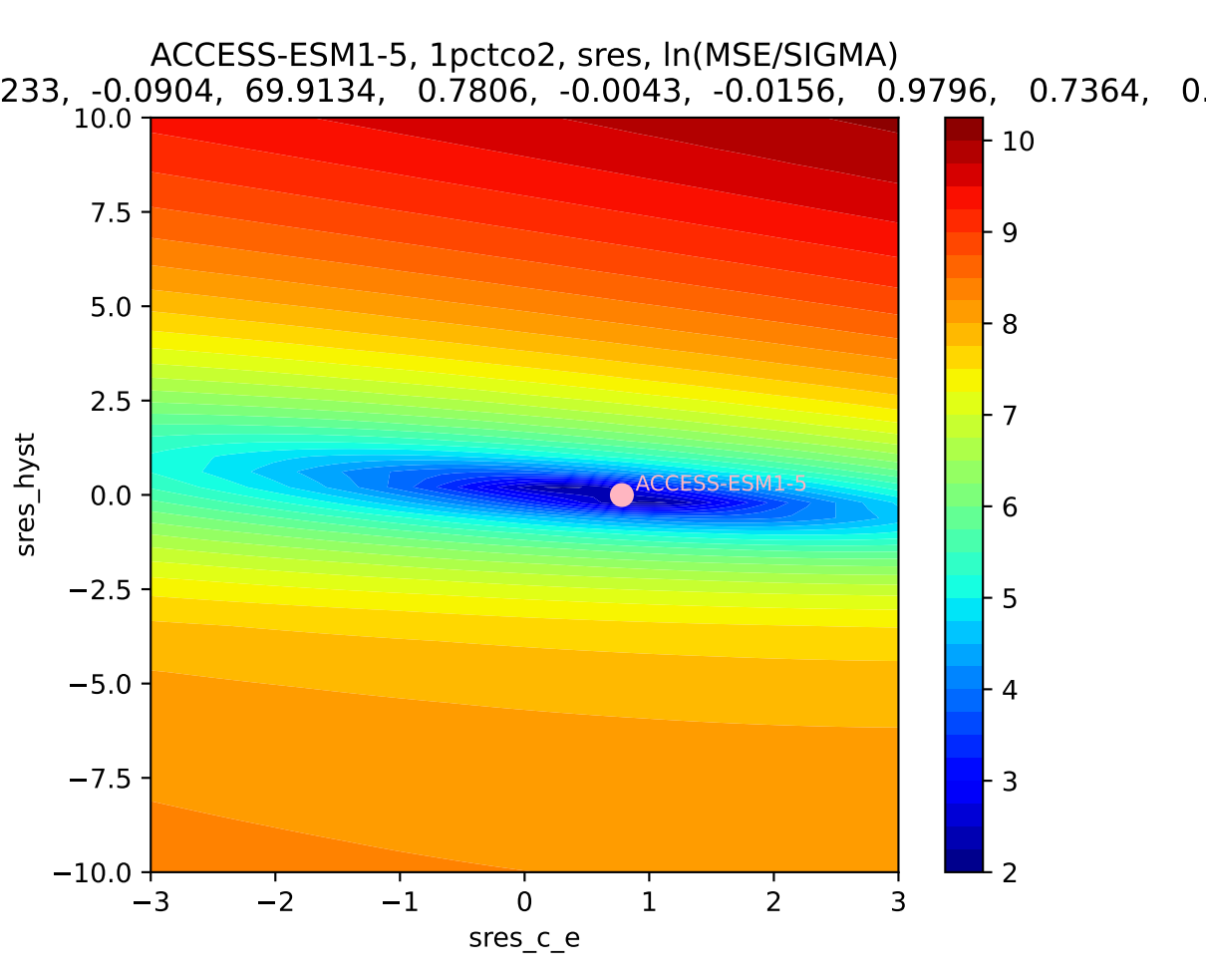

ACCESS-ESM1-5, 1pctco2, sres
ESM-Fit
sres, ESM - FIT
ΔT

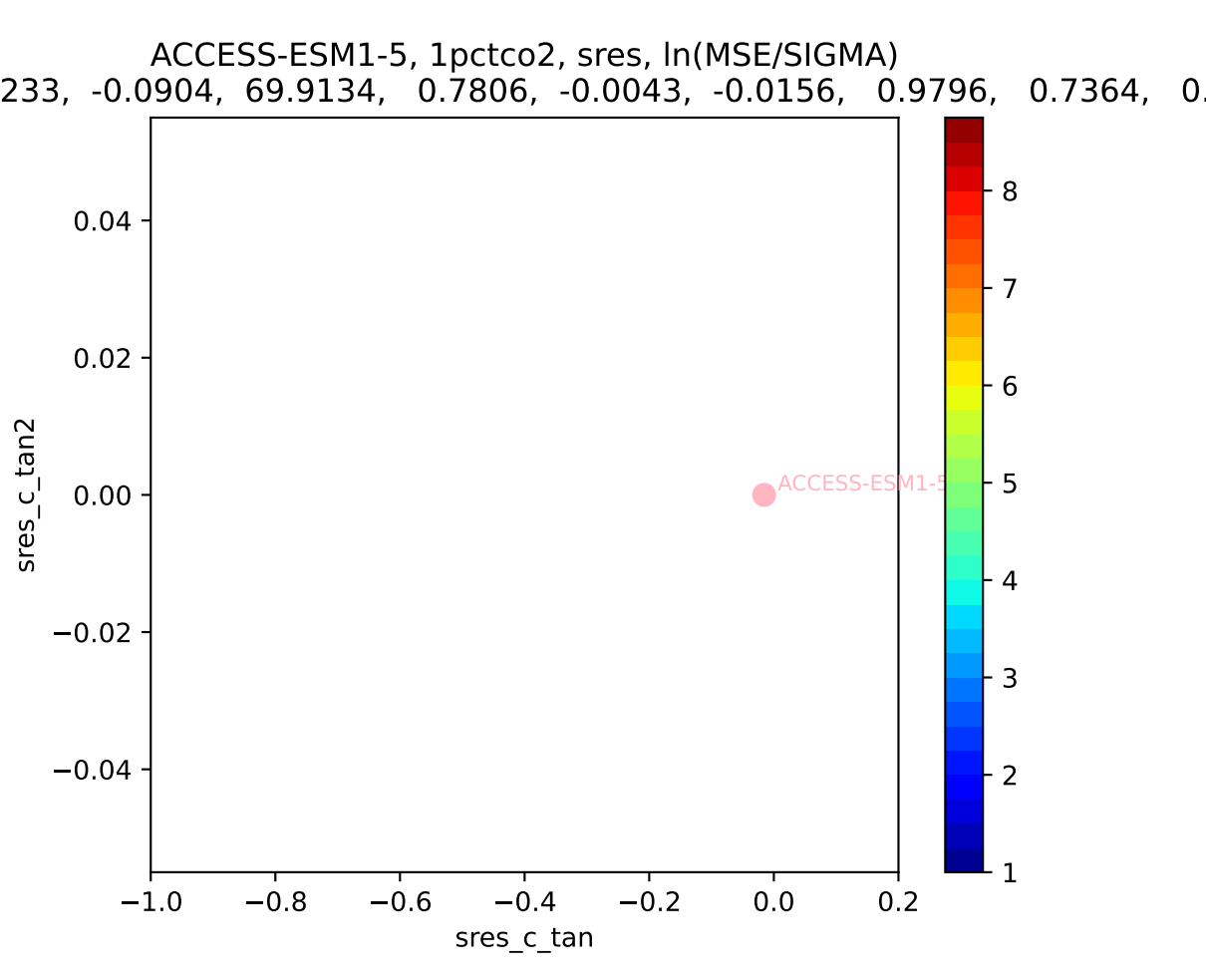

ACCESS-ESM1-5, 1pctco2, sres
ESM
Fit
sres
c_atm

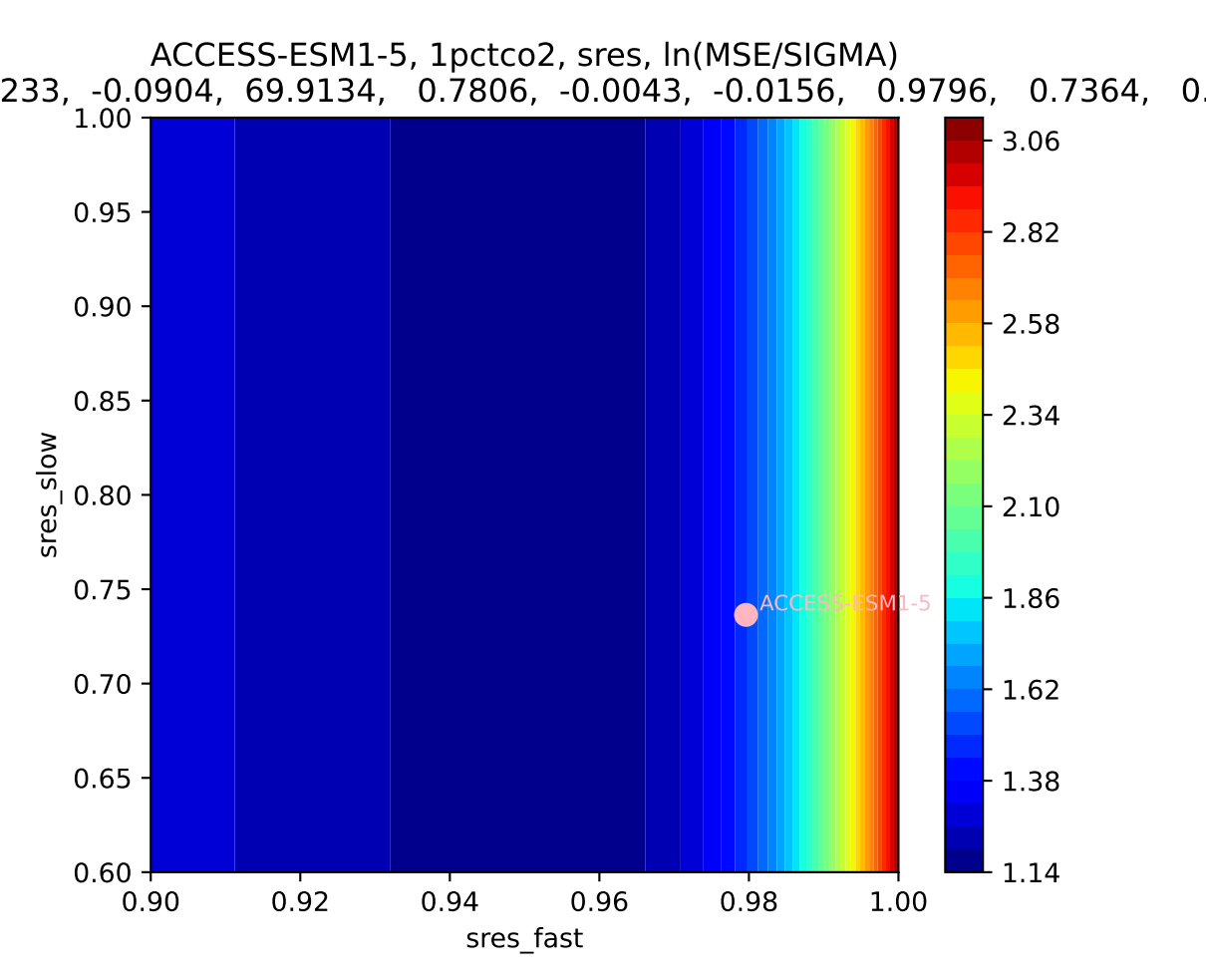

ACCESS-ESM1-5, 1pctco2, sres
ESM-Fit
sres, ESM - FIT
c_atm

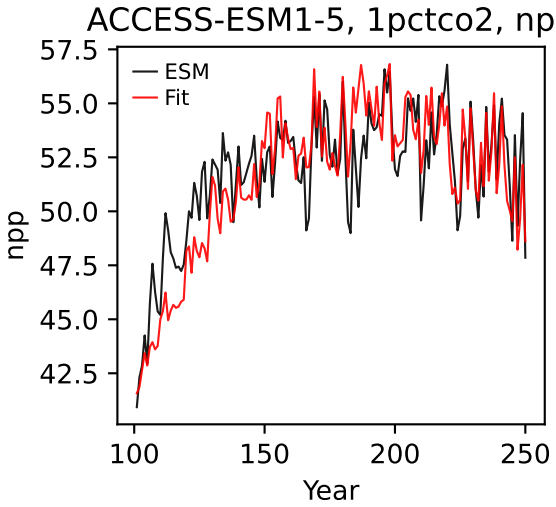

ACCESS-ESM1-5, 1pctco2, sres, ln(MSE/SIGMA)
233, -0.0904, 69.9134, 0.7806, -0.0043, -0.0156, 0.9796, 0.7364, 0.
ACCESS-ESM1-5
sres_t_e
sres_t_l
−3
−2
−1
0
1
2
11.25
10.25
9.25
8.25
7.25
6.25
5.25
4.25

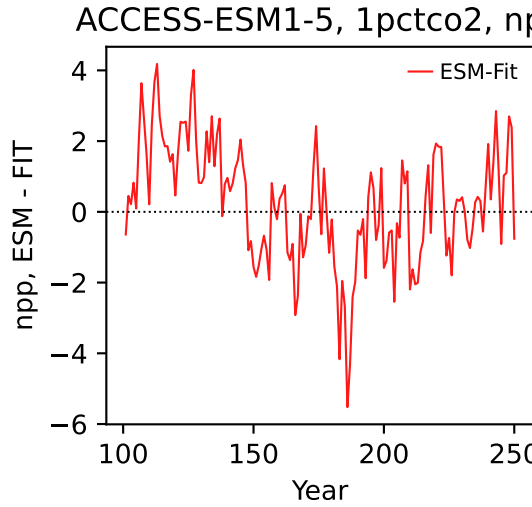

ACCESS-ESM1-5, 1pctco2, sres, ln(MSE/SIGMA)
233, -0.0904, 69.9134, 0.7806, -0.0043, -0.0156, 0.9796, 0.7364, 0.
sres_c_half
sres_c_l
ACCESS-ESM1-5
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
9.3
8.1
6.9
5.7
4.5
3.3
2.1
0.9

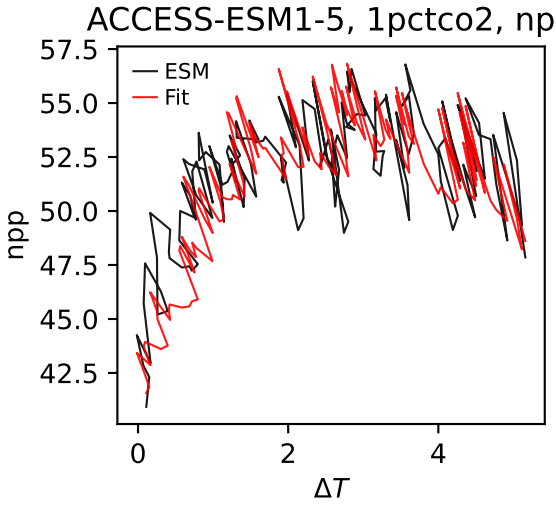

ACCESS-ESM1-5, 1pctco2, sres, ln(MSE/SIGMA)
233, -0.0904, 69.9134, 0.7806, -0.0043, -0.0156, 0.9796, 0.7364, 0.
ACCESS-ESM1-5
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10
9
8
7
6
5
4
3
2

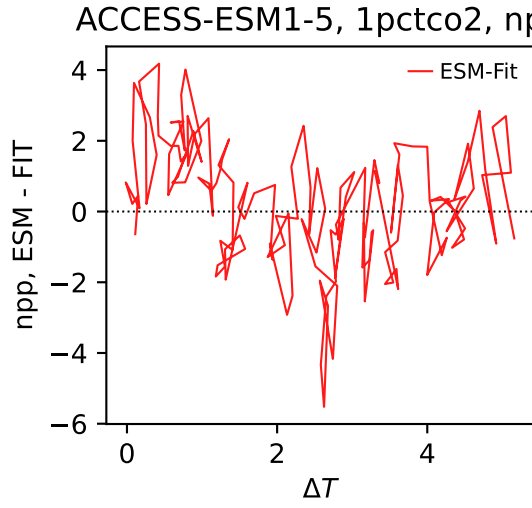

ACCESS-ESM1-5, 1pctco2, sres, ln(MSE/SIGMA)
233, -0.0904, 69.9134, 0.7806, -0.0043, -0.0156, 0.9796, 0.7364, 0.
0.04
0.02
0.00
−0.02
−0.04
sres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
sres_c_tan
ACCESS-ESM1-5
8
7
6
5
4
3
2
1

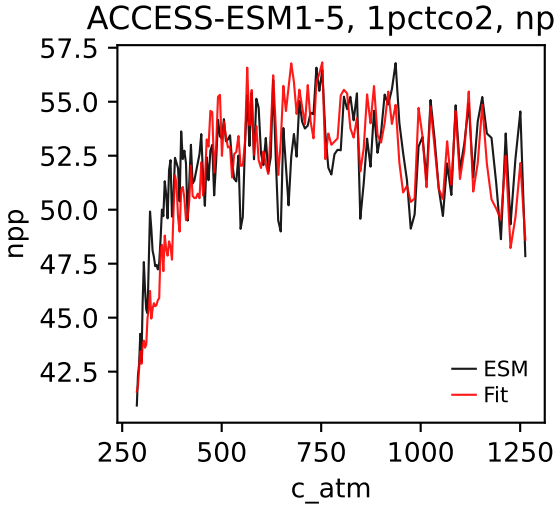

ACCESS-ESM1-5, 1pctco2, sres, ln(MSE/SIGMA)
233, -0.0904, 69.9134, 0.7806, -0.0043, -0.0156, 0.9796, 0.7364, 0.
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
ACCESS-ESM1-5
0.90
0.92
0.94
0.96
0.98
1.00
sres_fast
3.06
2.82
2.58
2.34
2.10
1.86
1.62
1.38
1.14

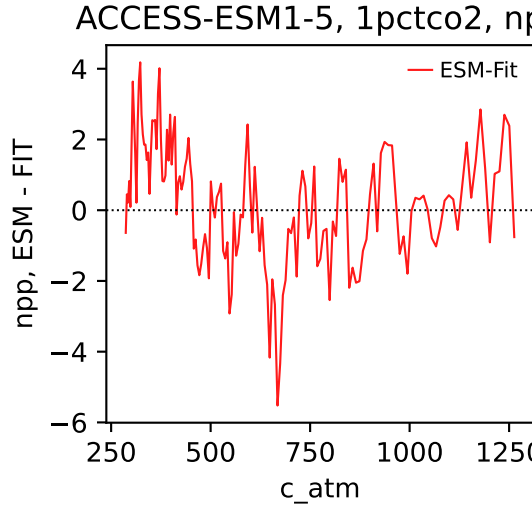

ACCESS-ESM1-5, 1pctco2, npp
ESM
Fit
npp
Year

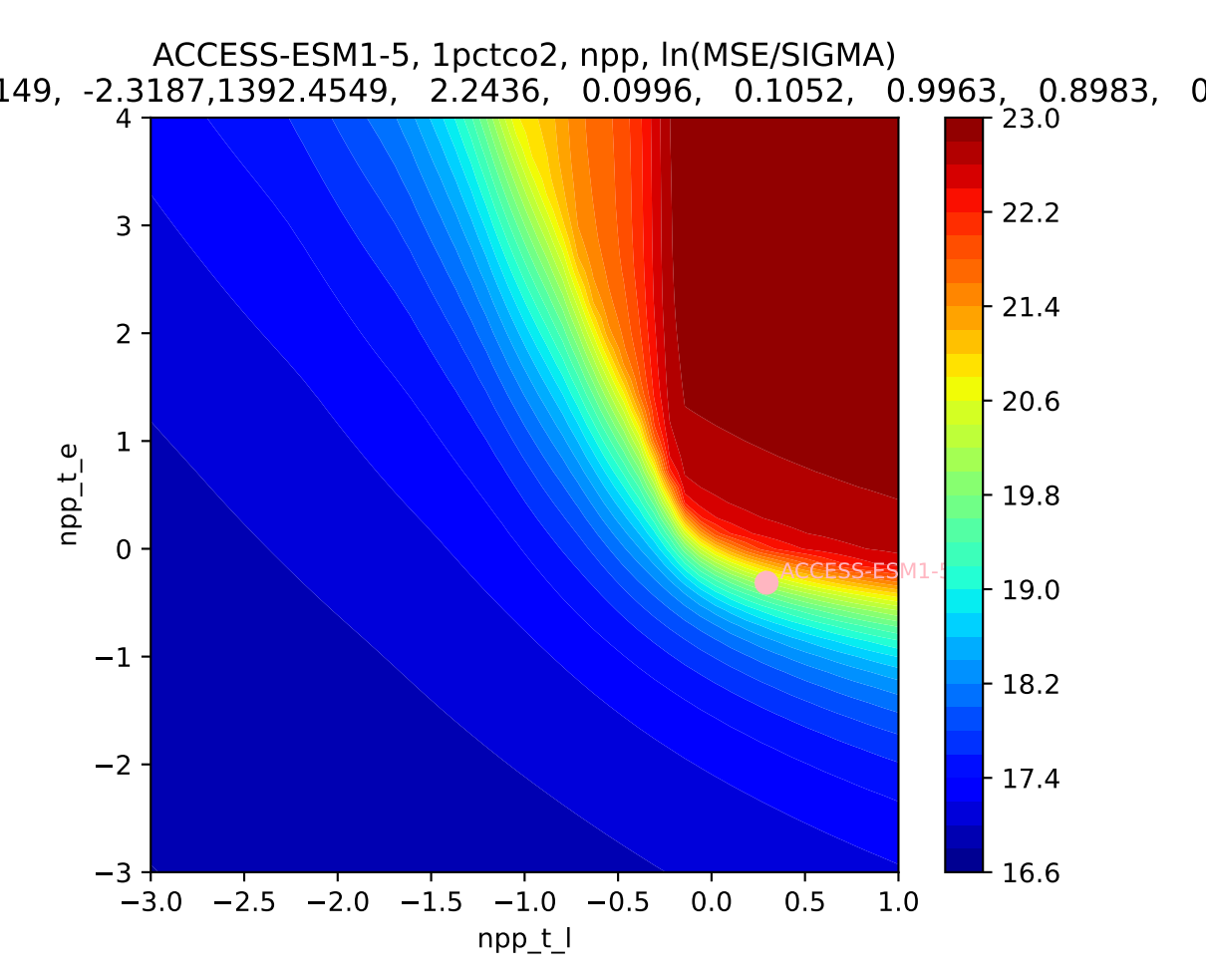

ACCESS-ESM1-5, 1pctco2, npp
ESM-Fit
npp, ESM - FIT
Year

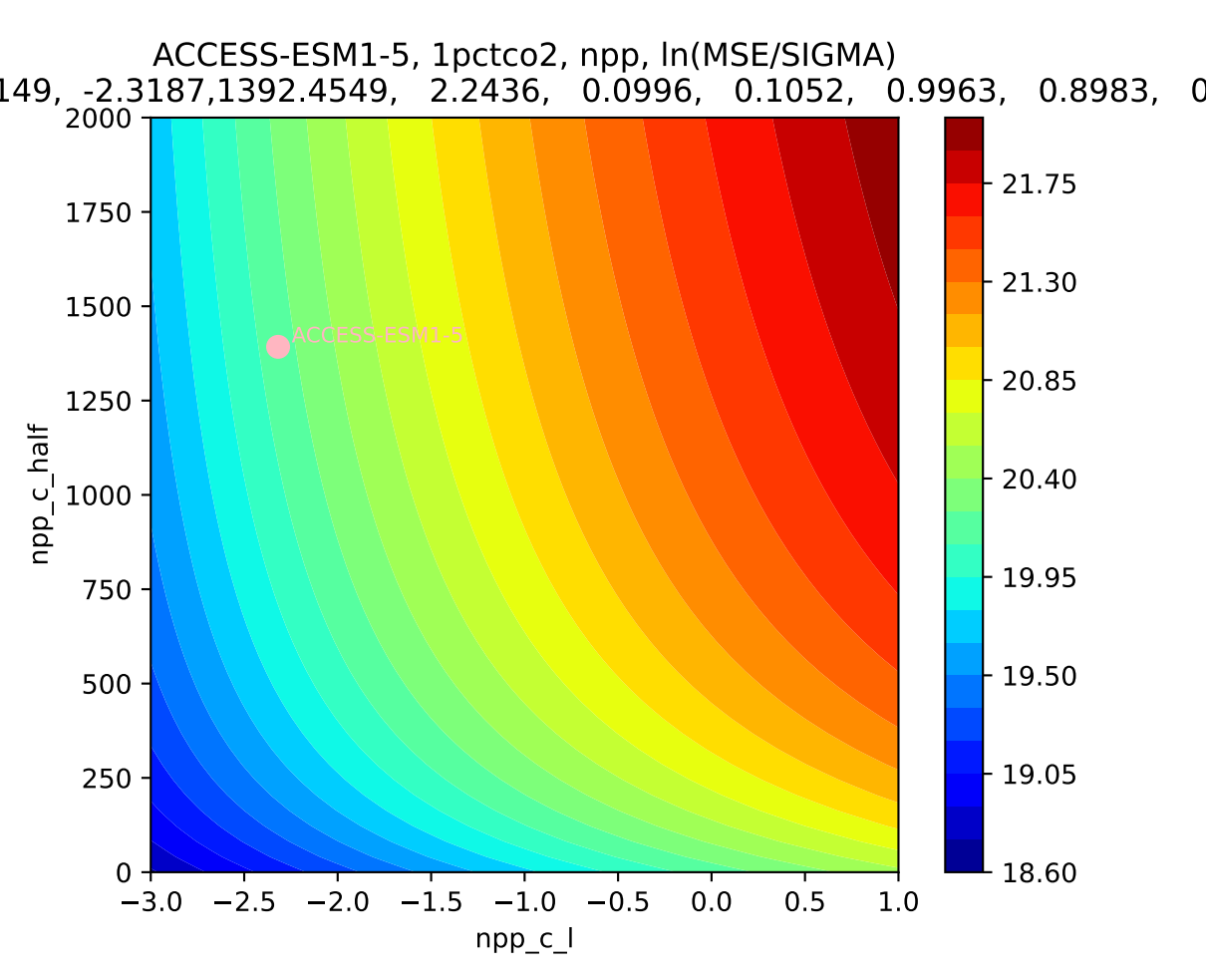

ACCESS-ESM1-5, 1pctco2, npp
ESM
Fit
npp
ΔT

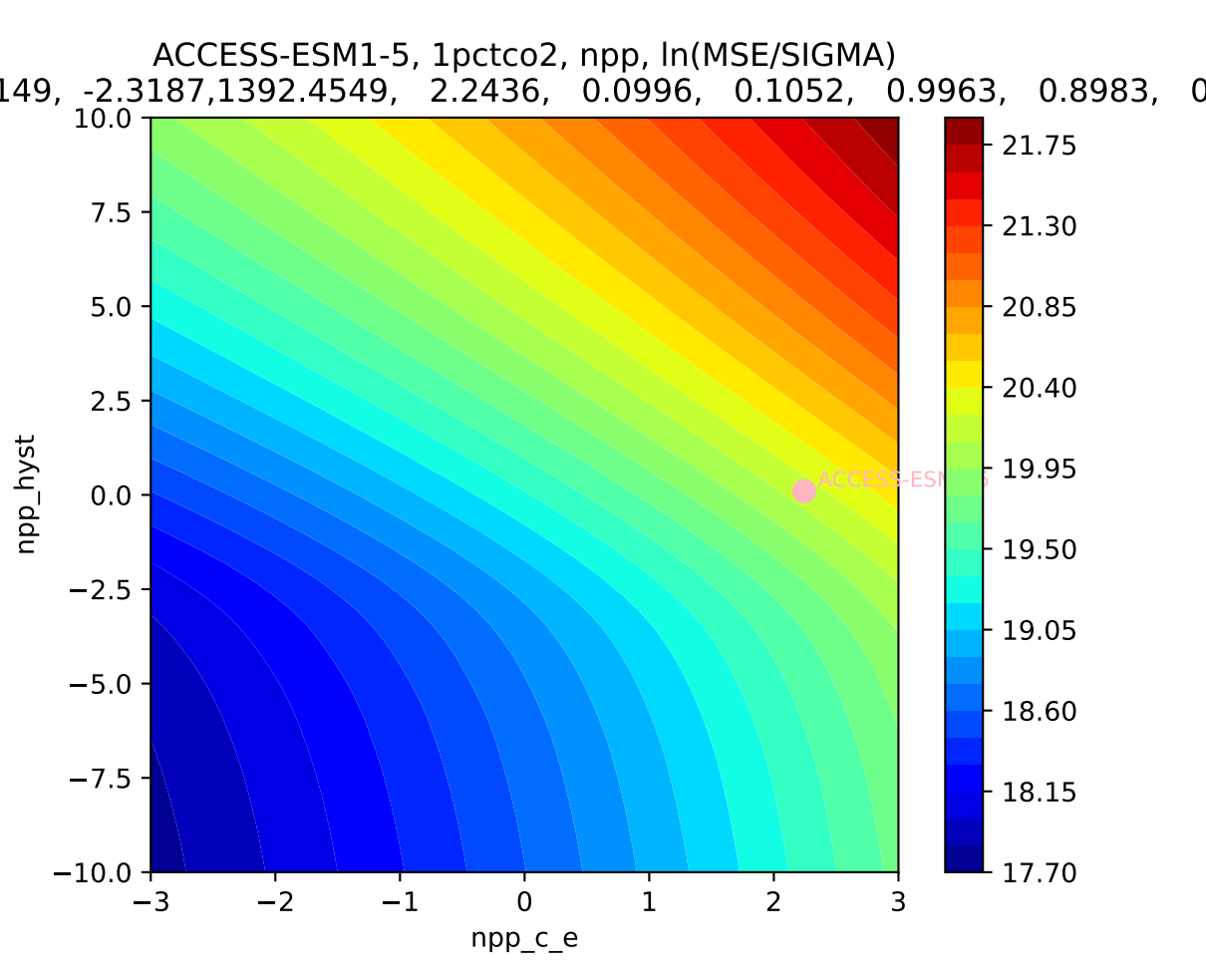

ACCESS-ESM1-5, 1pctco2, npp
ESM-Fit
npp, ESM - FIT
ΔT

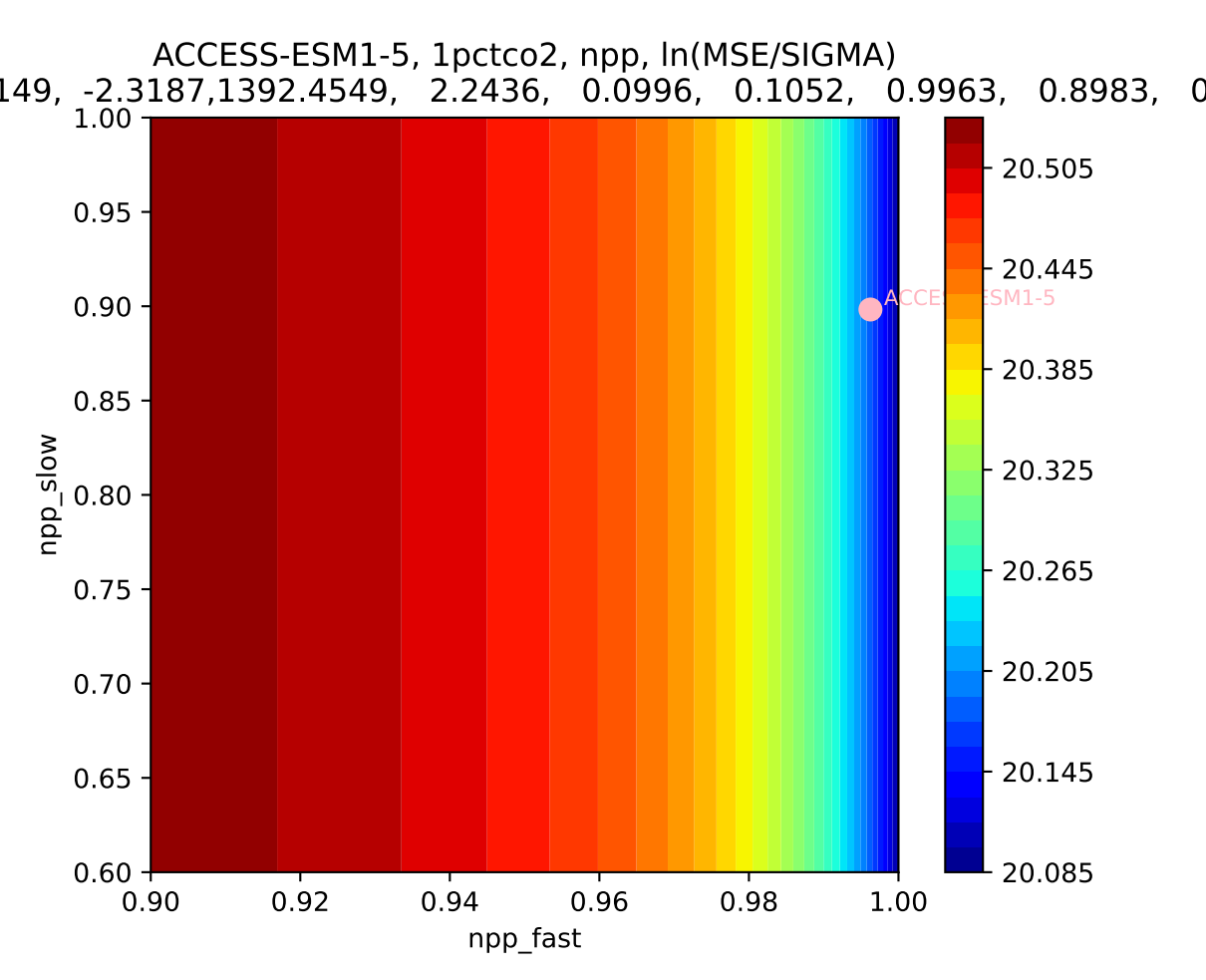

ACCESS-ESM1-5, 1pctco2, npp
ESM
Fit
npp
c_atm

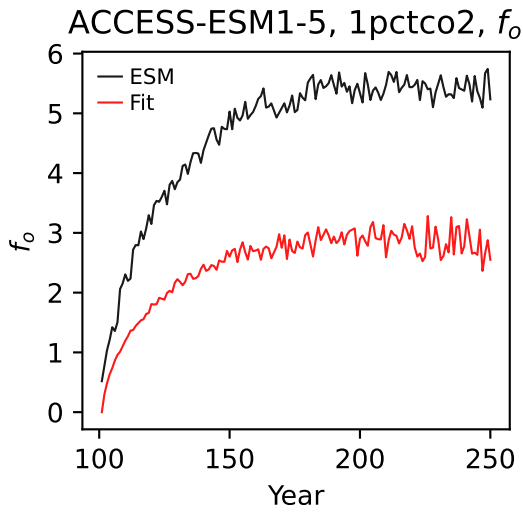

ACCESS-ESM1-5, 1pctco2, npp
ESM-Fit
npp, ESM - FIT
c_atm

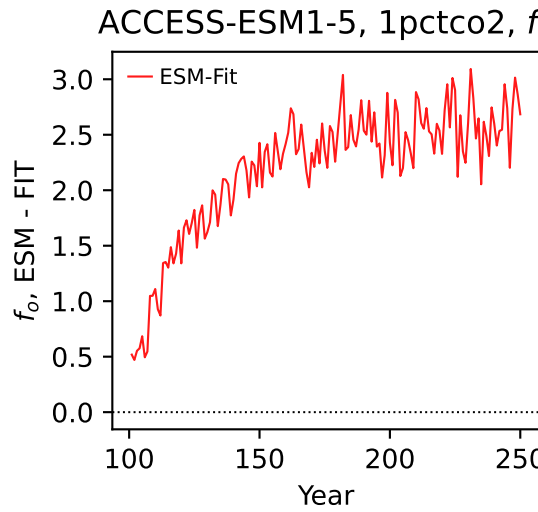

ACCESS-ESM1-5, 1pctco2, npp, ln(MSE/SIGMA)
149, -2.3187,1392.4549, 2.2436, 0.0996, 0.1052, 0.9963, 0.8983, 0
npp_t_e
npp_t_l
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
23.0
22.2
21.4
20.6
19.8
19.0
18.2
17.4
16.6

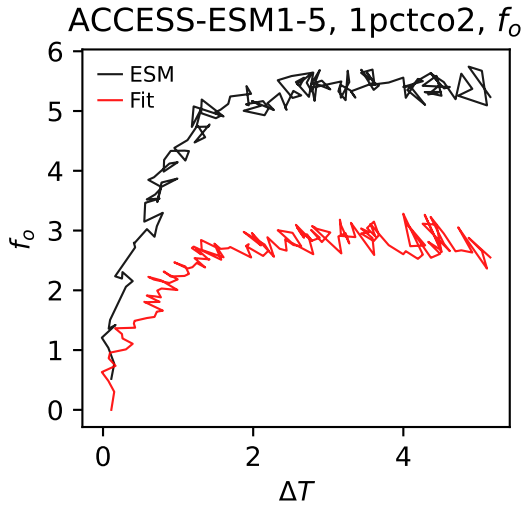

ACCESS-ESM1-5, 1pctco2, npp, ln(MSE/SIGMA)
149, -2.3187,1392.4549, 2.2436, 0.0996, 0.1052, 0.9963, 0.8983, 0
ACCESS-ESM1-5
npp_c_half
npp_c_l
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
21.75
21.30
20.85
20.40
19.95
19.50
19.05
18.60

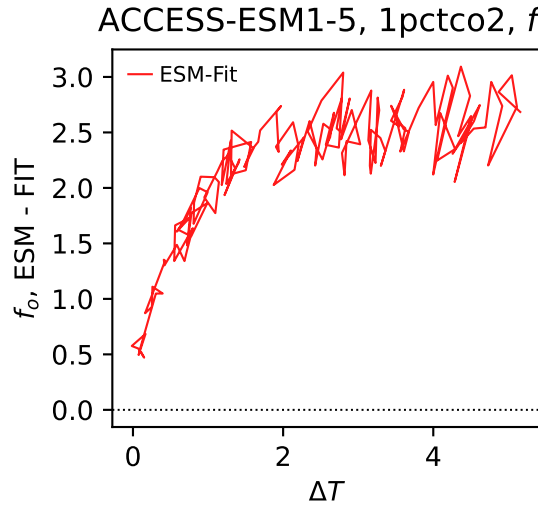

ACCESS-ESM1-5, 1pctco2, npp, ln(MSE/SIGMA)
149, -2.3187,1392.4549, 2.2436, 0.0996, 0.1052, 0.9963, 0.8983, 0
npp_hyst
npp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
21.75
21.30
20.85
20.40
19.95
19.50
19.05
18.60
18.15
17.70

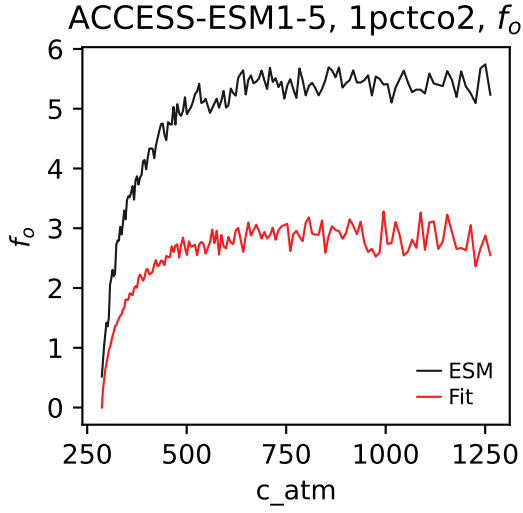

ACCESS-ESM1-5, 1pctco2, npp, ln(MSE/SIGMA)
149, -2.3187,1392.4549, 2.2436, 0.0996, 0.1052, 0.9963, 0.8983, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
0.90
0.92
0.94
0.96
0.98
1.00
npp_fast
20.505
20.445
20.385
20.325
20.265
20.205
20.145
20.085

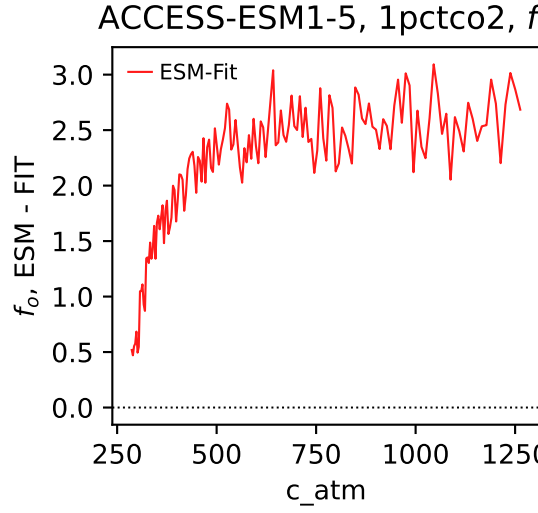

ACCESS-ESM1-5, 1pctco2, f_o
ESM
Fit
f_o
Year

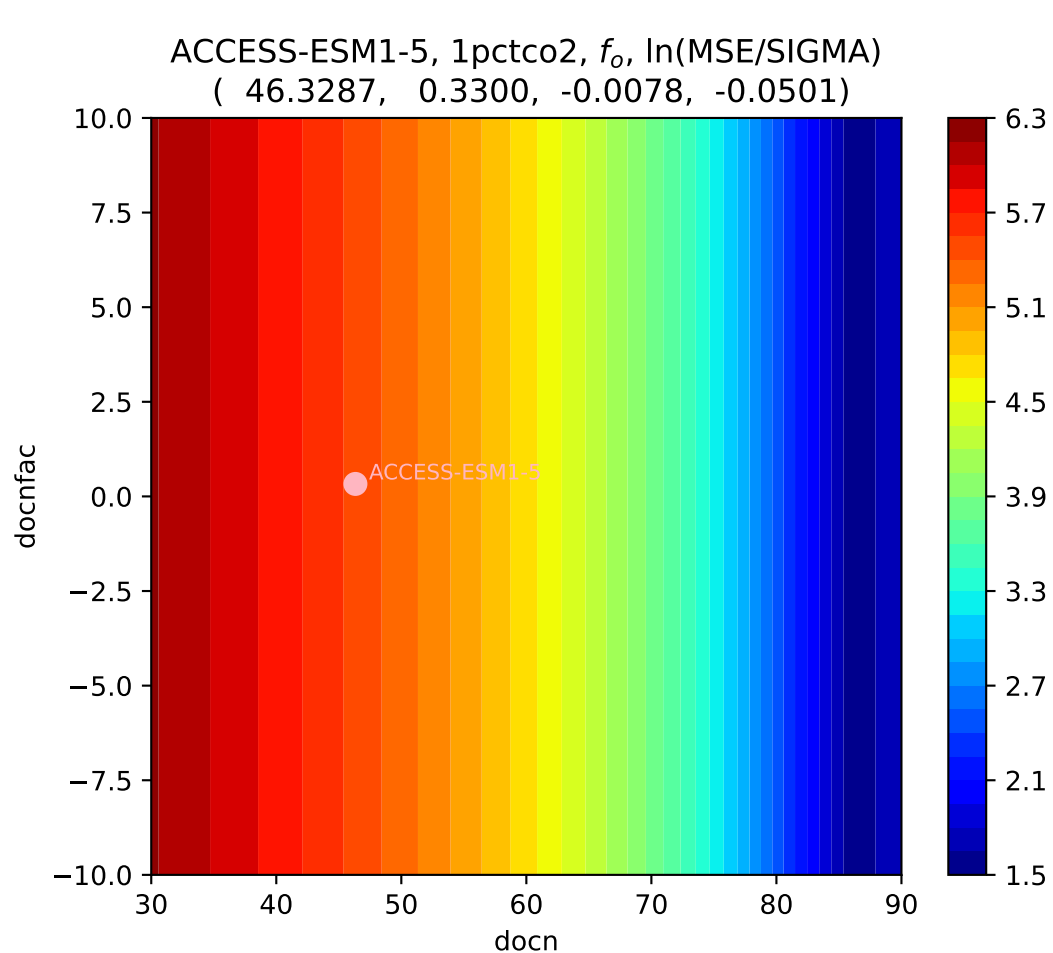

ACCESS-ESM1-5, 1pctco2, f_o
ESM-Fit
f_o, ESM - FIT
Year

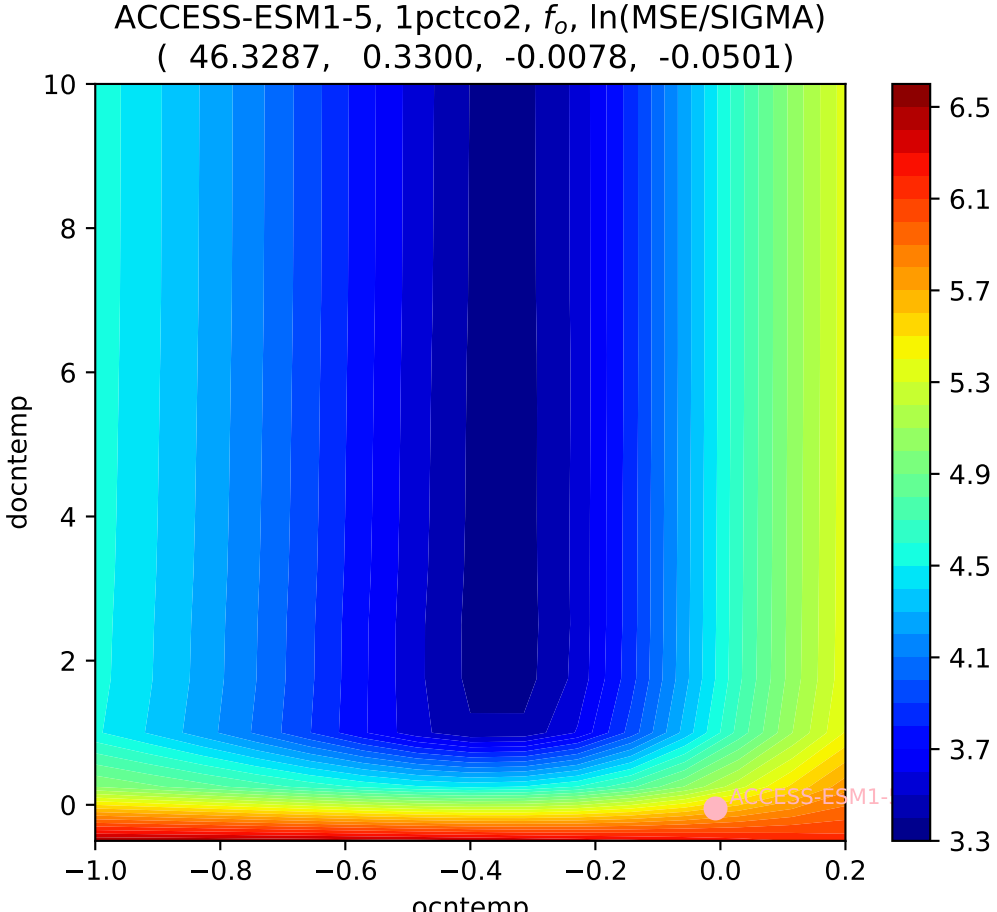

ACCESS-ESM1-5, 1pctco2, f_o
ESM
Fit
f_o
ΔT


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


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


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


ACCESS-ESM1-5, 1pctco2, f_o, ln(MSE/SIGMA)
(46.3287, 0.3300, -0.0078, -0.0501)
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
70
80
90
6.3
5.7
5.1
4.5
3.9
3.3
2.7
2.1
1.5


ACCESS-ESM1-5, 1pctco2, f_o, ln(MSE/SIGMA)
(46.3287, 0.3300, -0.0078, -0.0501)
docntemp
ocntemp
10
8
6
4
2
0
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
6.5
6.1
5.7
5.3
4.9
4.5
4.1
3.7
3.3
ACCESS-ESM1-