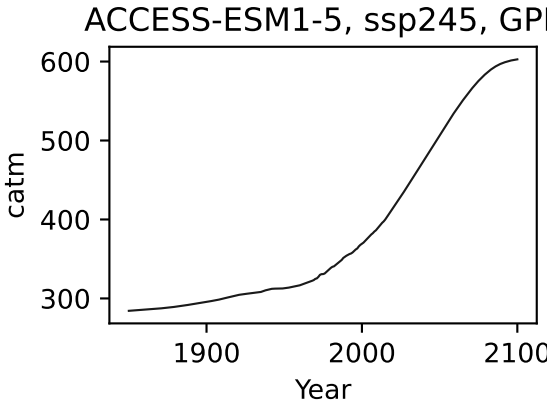
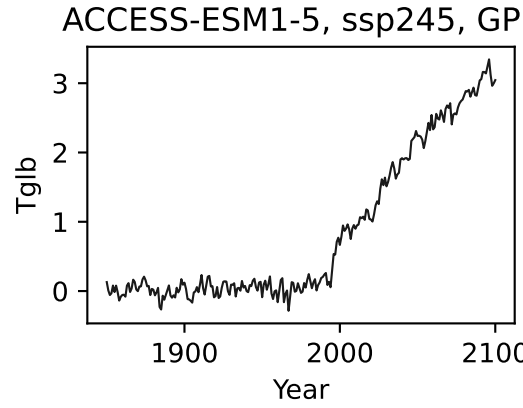

ACCESS-ESM1-5, ssp245, GPP
catm
600
500
400
300
1900
2000
2100
Year


ACCESS-ESM1-5, ssp245, GPP
Tglb
3
2
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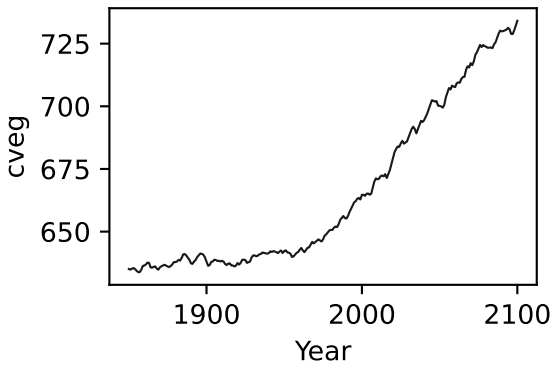
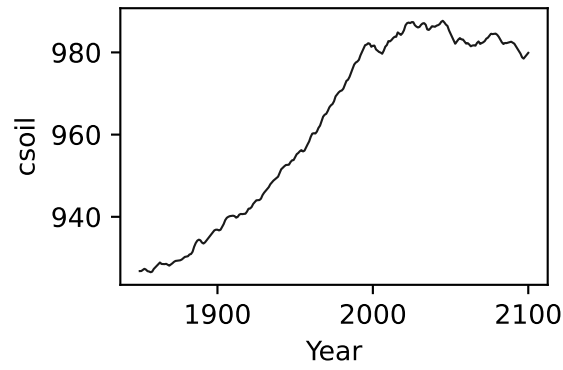
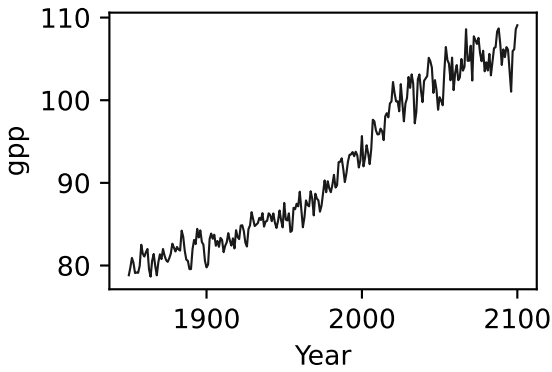
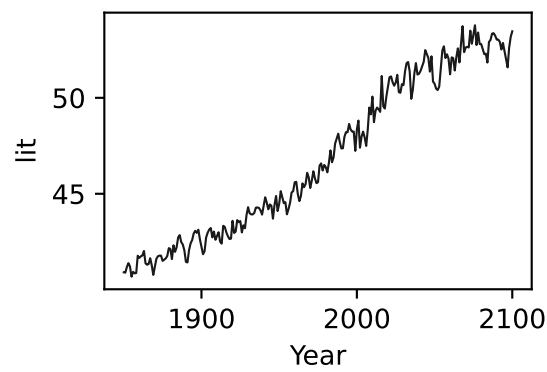
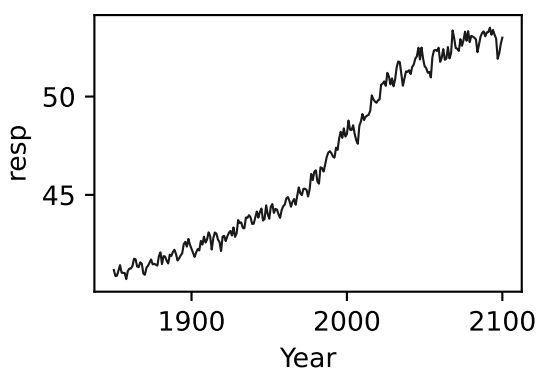
0
1900
2000
2100
Year

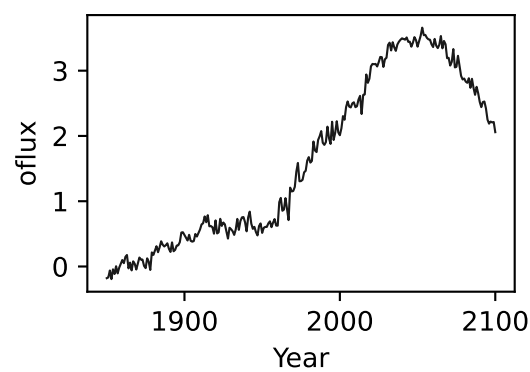

cveg
725
700
675
650
1900
2000
2100
Year

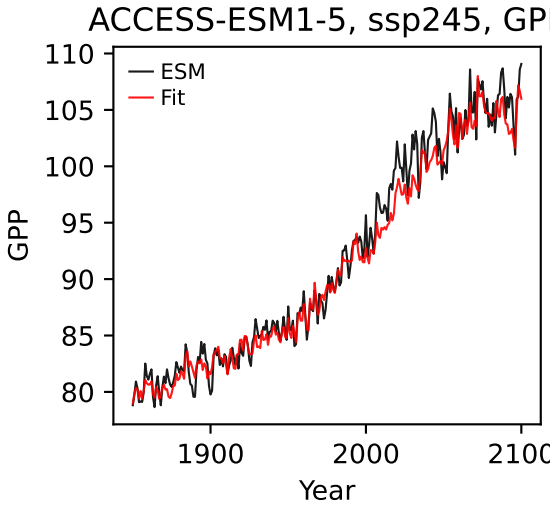

csoil
980
960
940
1900
2000
2100
Year

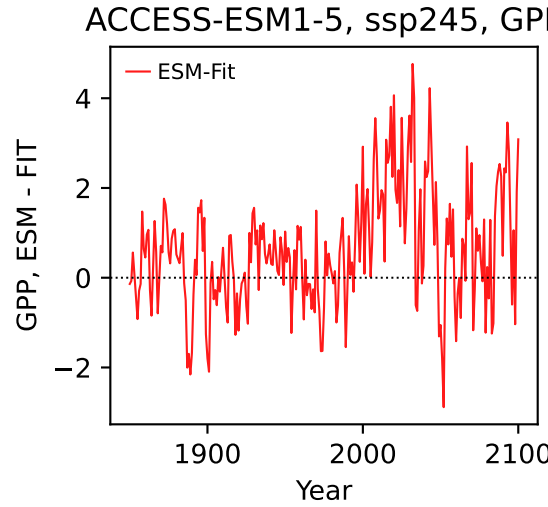

gpp
110
100
90
80
1900
2000
2100
Year

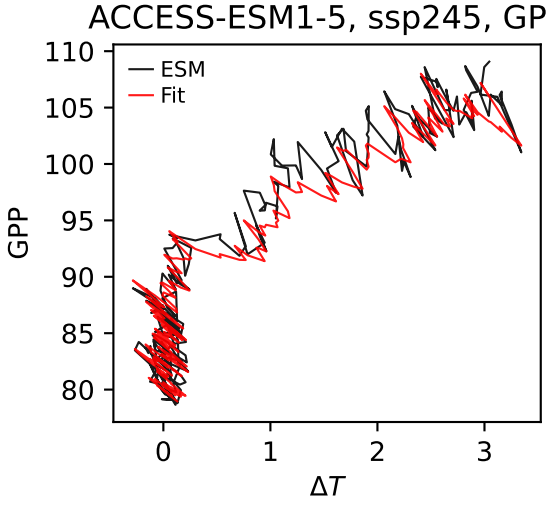

lit
50
45
1900
2000
2100
Year

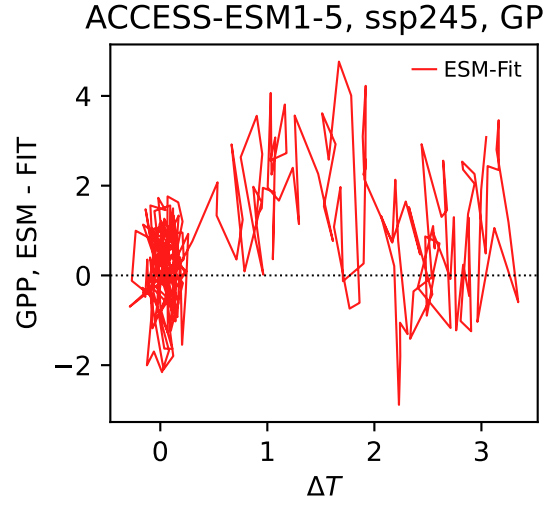

resp
50
45
1900
2000
2100
Year

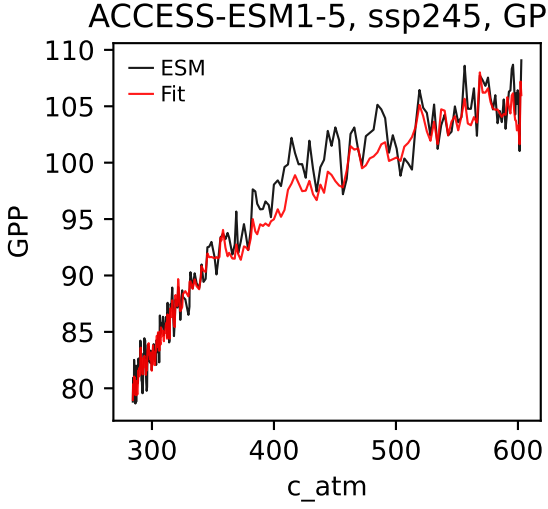

oflux
3
2
1
0
1900
2000
2100
Year

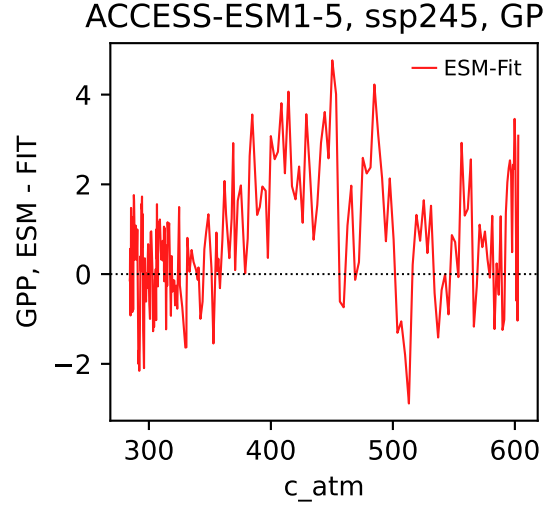

ACCESS-ESM1-5, ssp245, GPP
ESM
Fit
GPP
Year

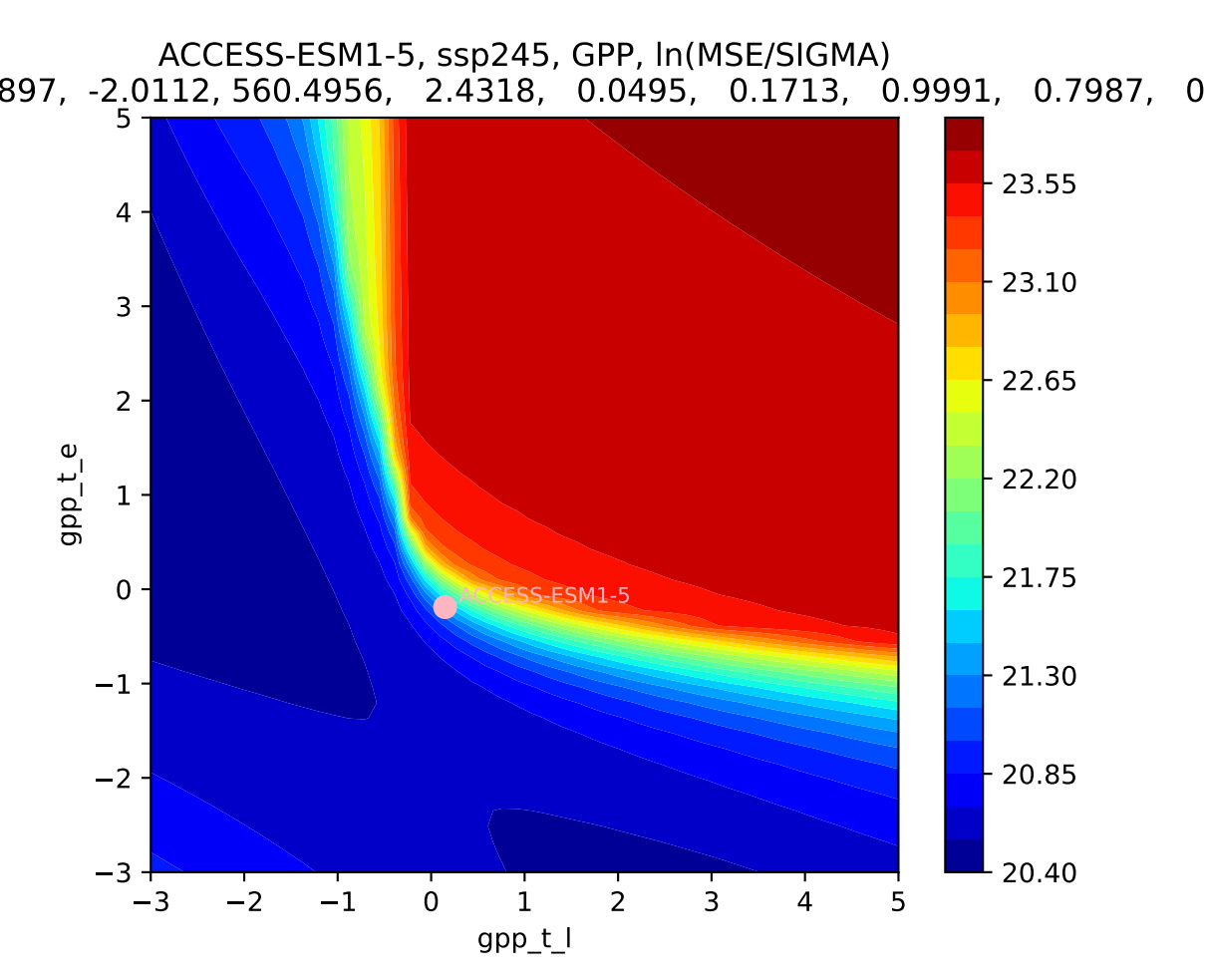

ACCESS-ESM1-5, ssp245, GPP
ESM-Fit
GPP, ESM - FIT
Year

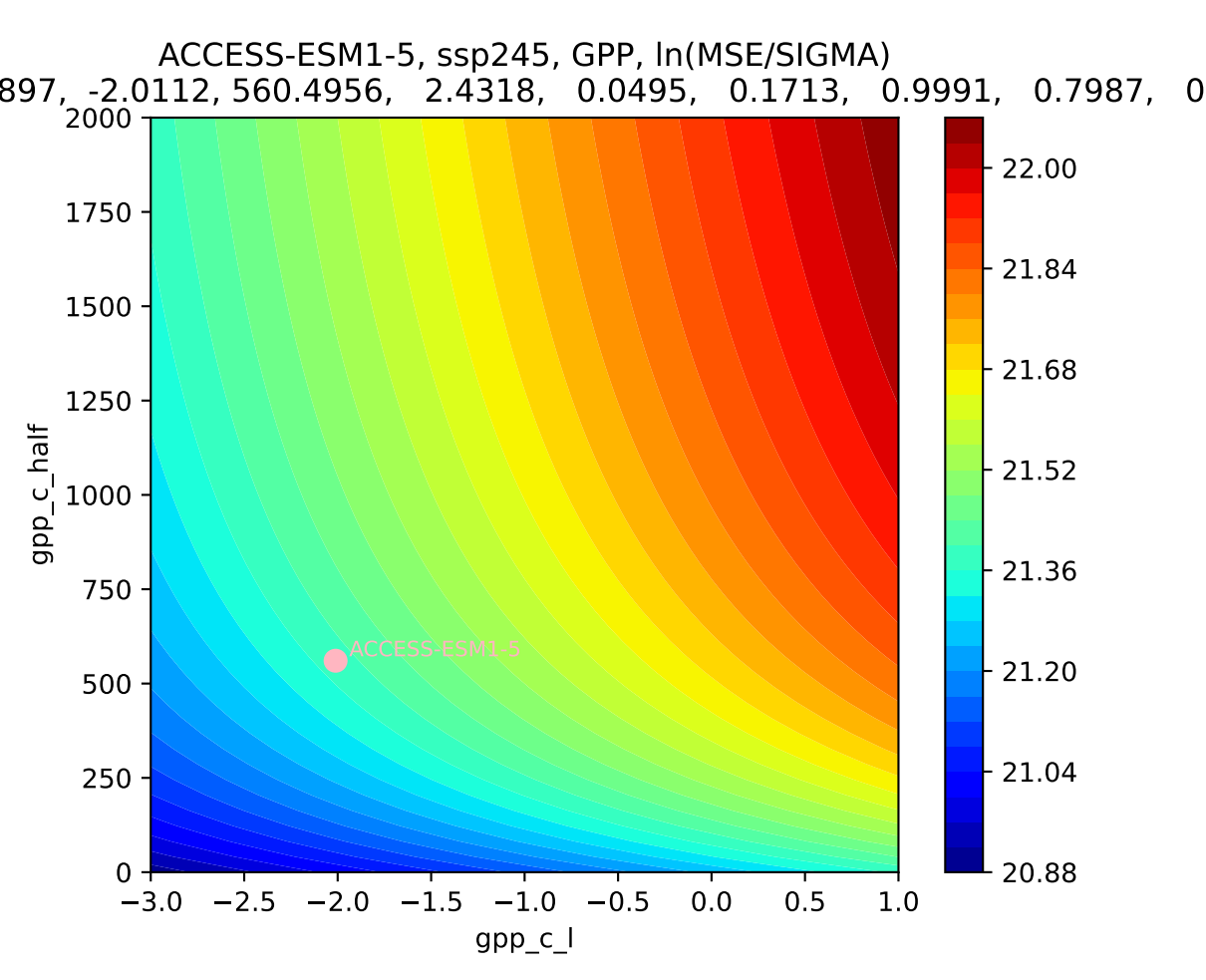

ACCESS-ESM1-5, ssp245, GPP
ESM
Fit
GPP
ΔT

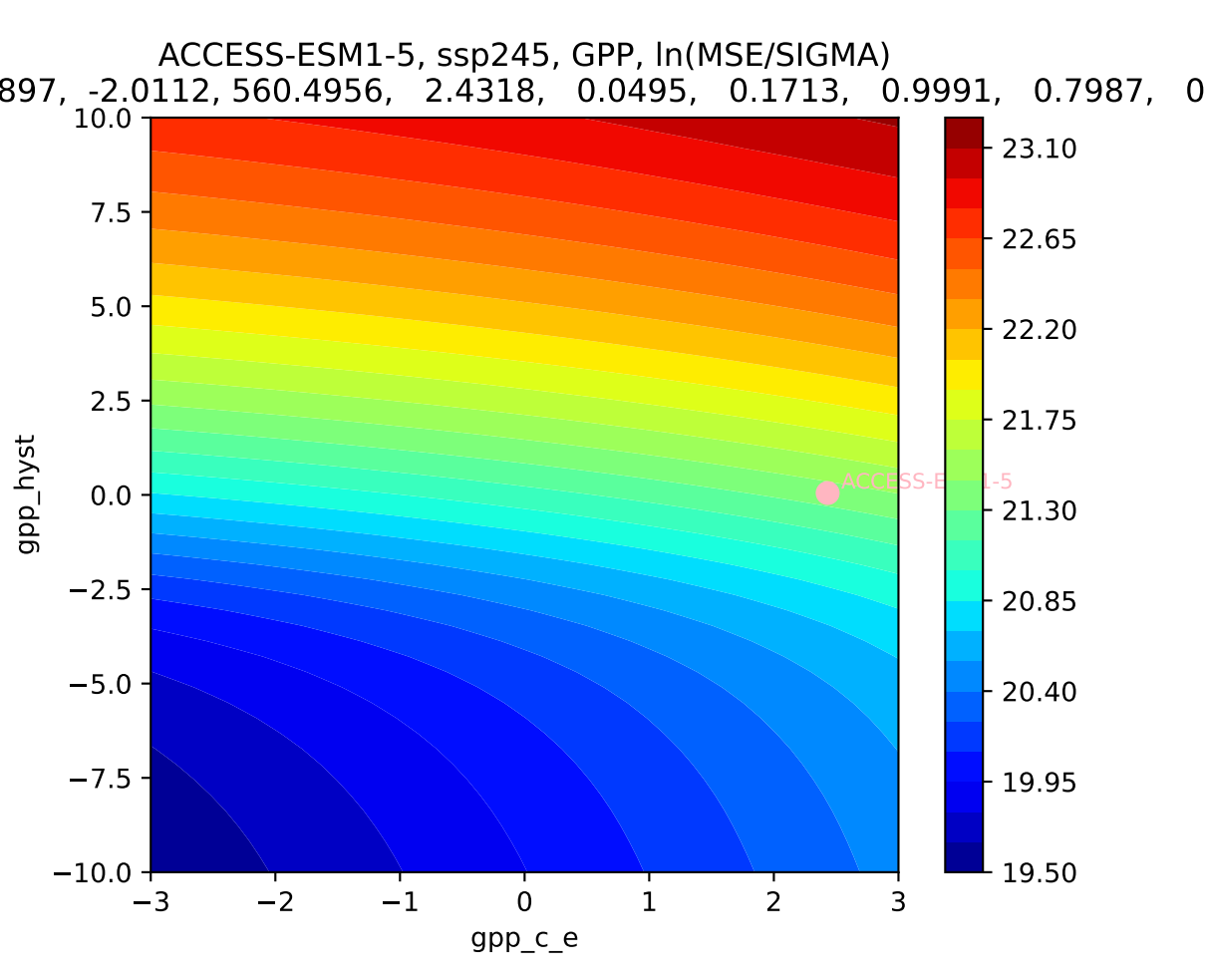

ACCESS-ESM1-5, ssp245, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

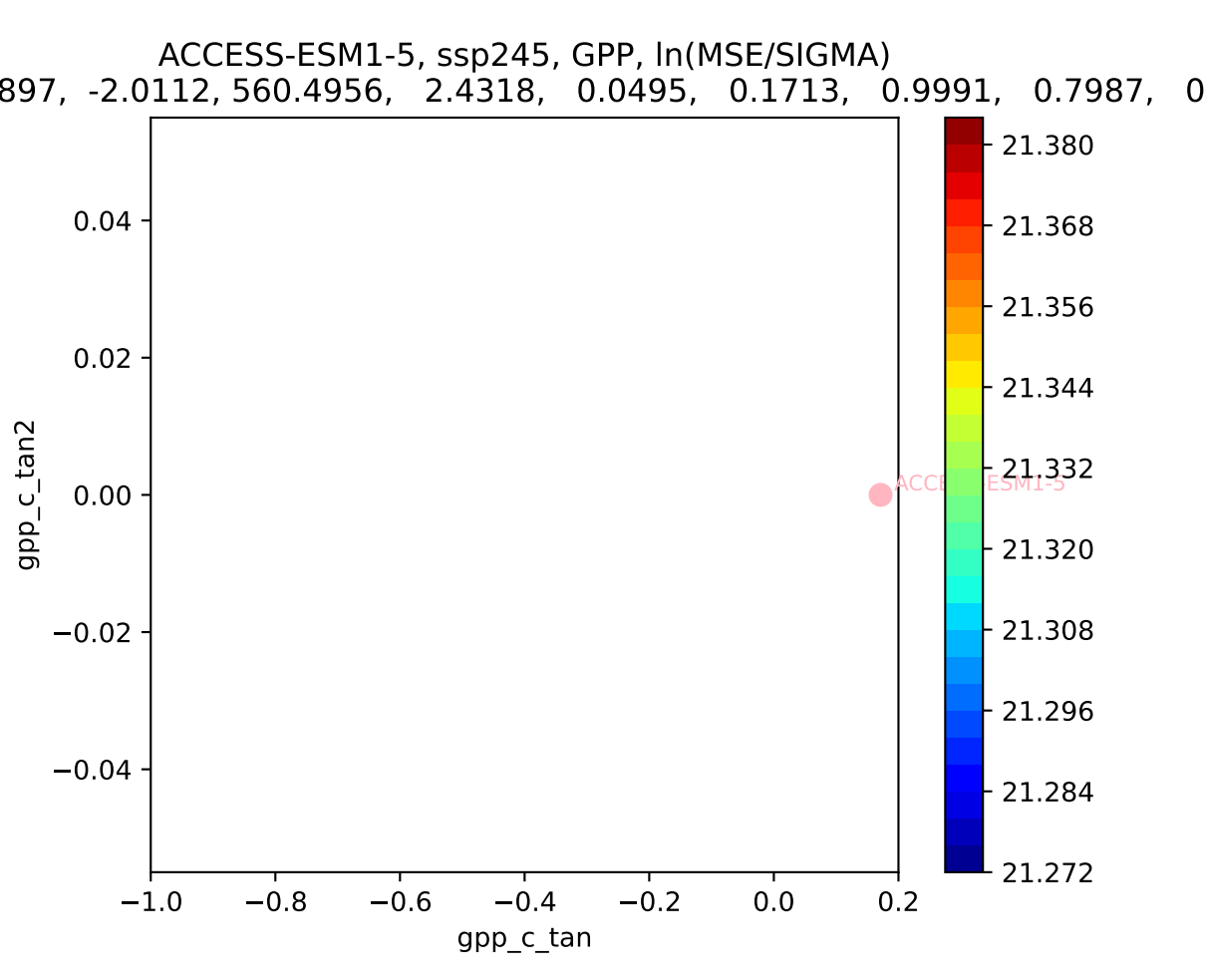

ACCESS-ESM1-5, ssp245, GPP
ESM
Fit
GPP
c_atm

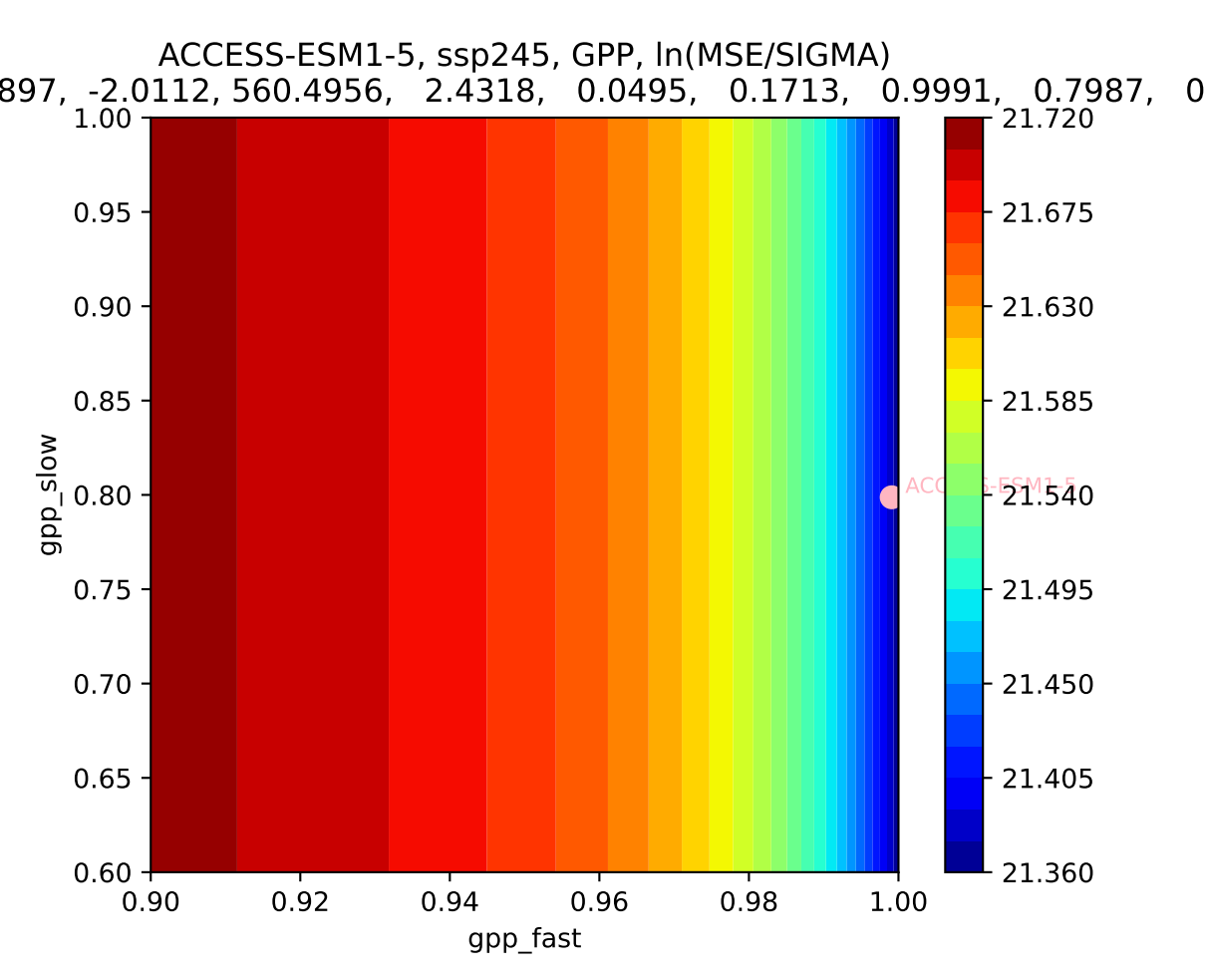

ACCESS-ESM1-5, ssp245, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

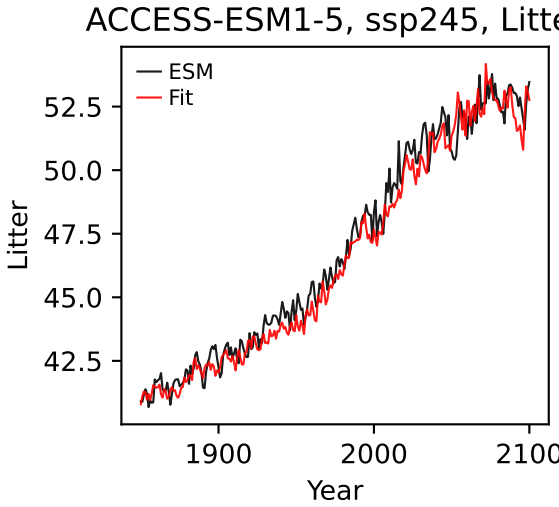

ACCESS-ESM1-5, ssp245, GPP, ln(MSE/SIGMA)
897, -2.0112, 560.4956, 2.4318, 0.0495, 0.1713, 0.9991, 0.7987, 0
ACCESS-ESM1-5
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
23.55
23.10
22.65
22.20
21.75
21.30
20.85
20.40

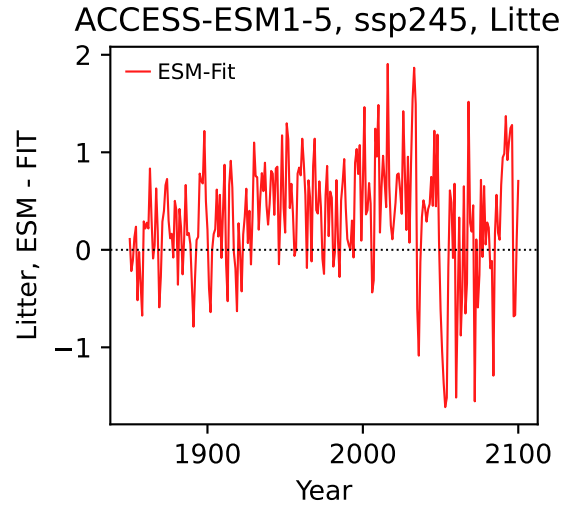

ACCESS-ESM1-5, ssp245, GPP, ln(MSE/SIGMA)
897, -2.0112, 560.4956, 2.4318, 0.0495, 0.1713, 0.9991, 0.7987, 0
gpp_c_half
gpp_c_l
ACCESS-ESM1-5
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
22.00
21.84
21.68
21.52
21.36
21.20
21.04
20.88

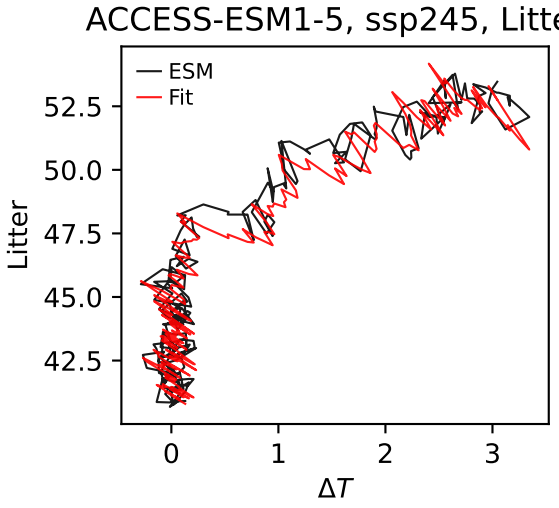

ACCESS-ESM1-5, ssp245, GPP, ln(MSE/SIGMA)
897, -2.0112, 560.4956, 2.4318, 0.0495, 0.1713, 0.9991, 0.7987, 0
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
23.10
22.65
22.20
21.75
21.30
20.85
20.40
19.95
19.50

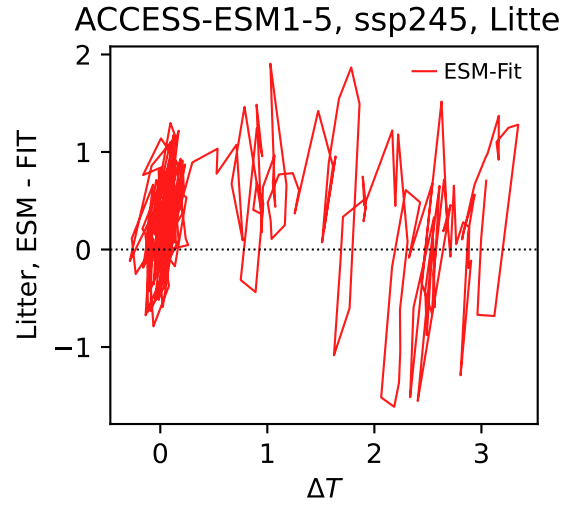

ACCESS-ESM1-5, ssp245, GPP, ln(MSE/SIGMA)
897, -2.0112, 560.4956, 2.4318, 0.0495, 0.1713, 0.9991, 0.7987, 0
gpp_c_tan2
gpp_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
21.380
21.368
21.356
21.344
21.332
21.320
21.308
21.296
21.284
21.272

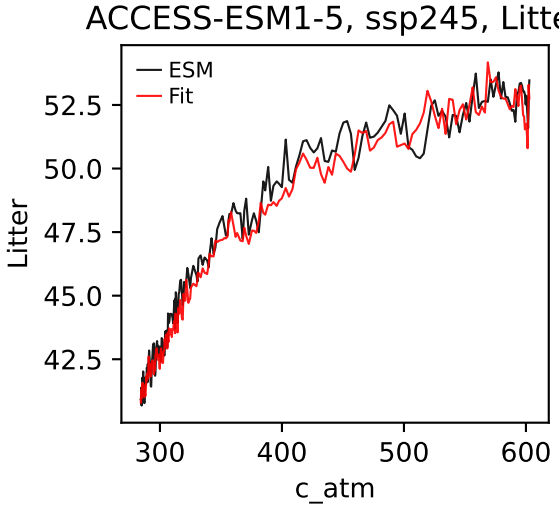

ACCESS-ESM1-5, ssp245, GPP, ln(MSE/SIGMA)
897, -2.0112, 560.4956, 2.4318, 0.0495, 0.1713, 0.9991, 0.7987, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
gpp_slow
0.90
0.92
0.94
0.96
0.98
1.00
gpp_fast
21.720
21.675
21.630
21.585
21.540
21.495
21.450
21.405
21.360

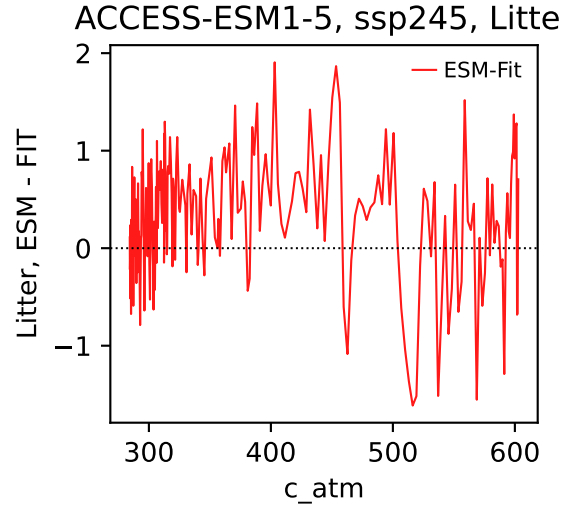

ACCESS-ESM1-5, ssp245, Litter
ESM
Fit
Litter
Year

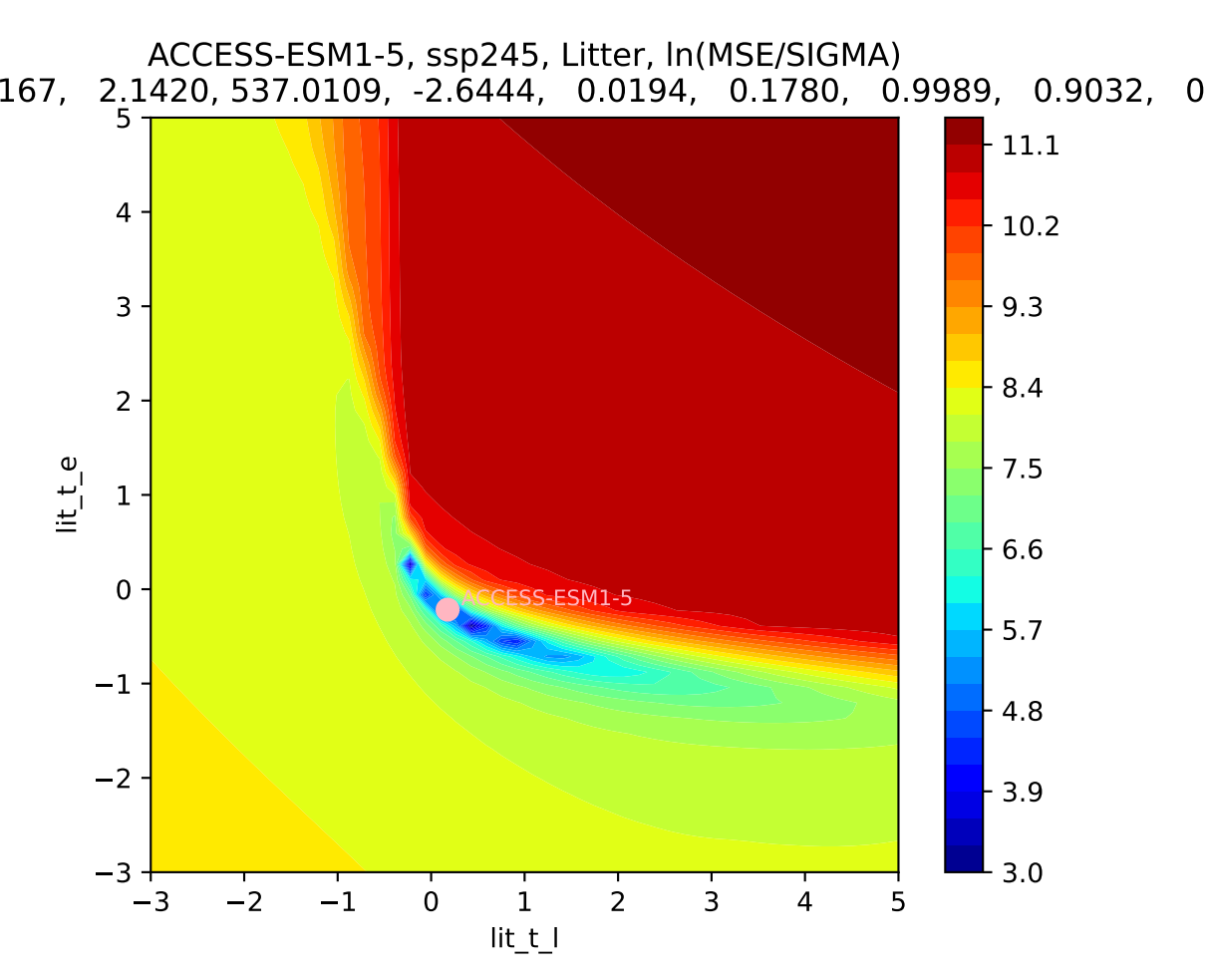

ACCESS-ESM1-5, ssp245, Litter
ESM-Fit
Litter, ESM - FIT
Year

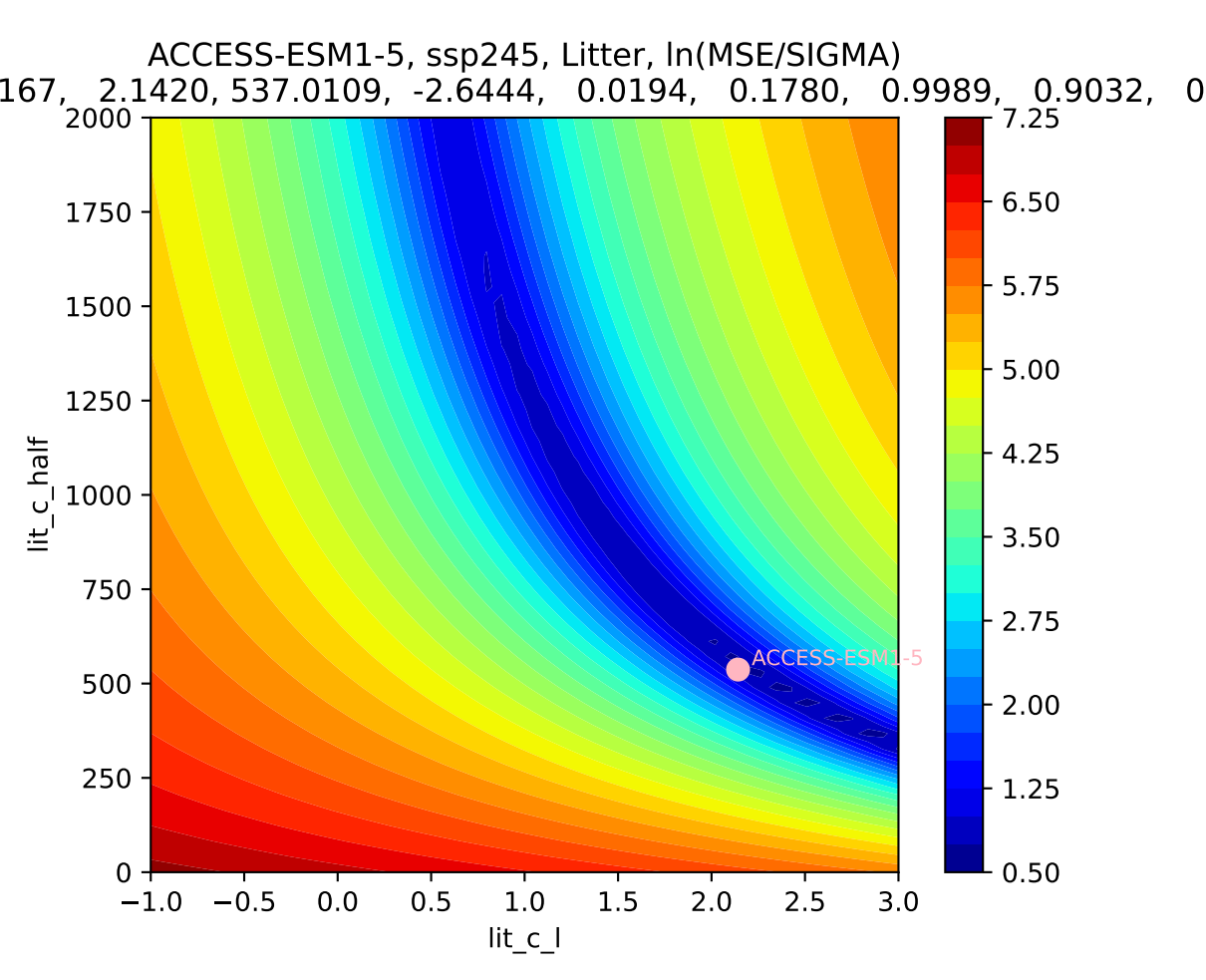

ACCESS-ESM1-5, ssp245, Litter
ESM
Fit
Litter
ΔT

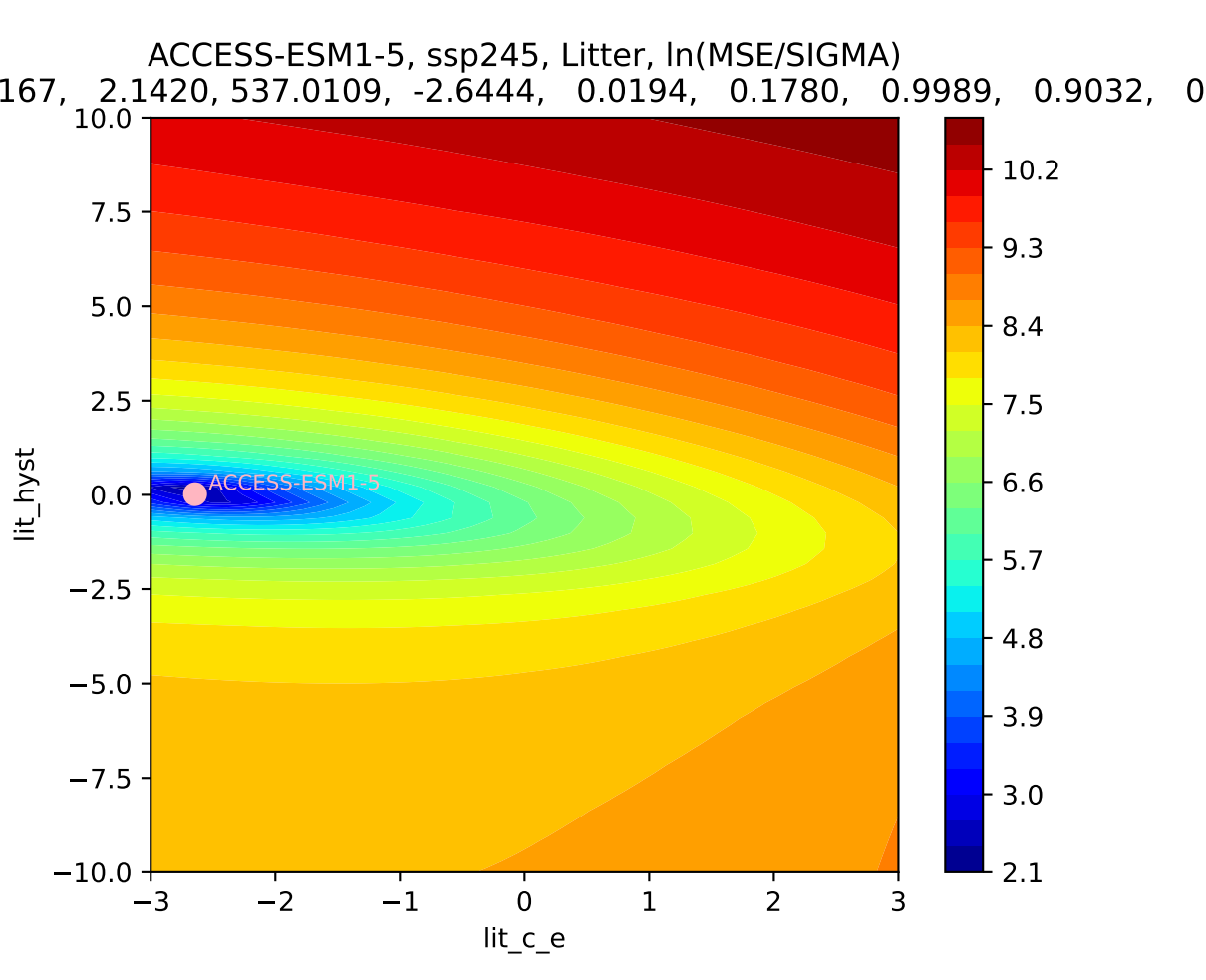

ACCESS-ESM1-5, ssp245, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

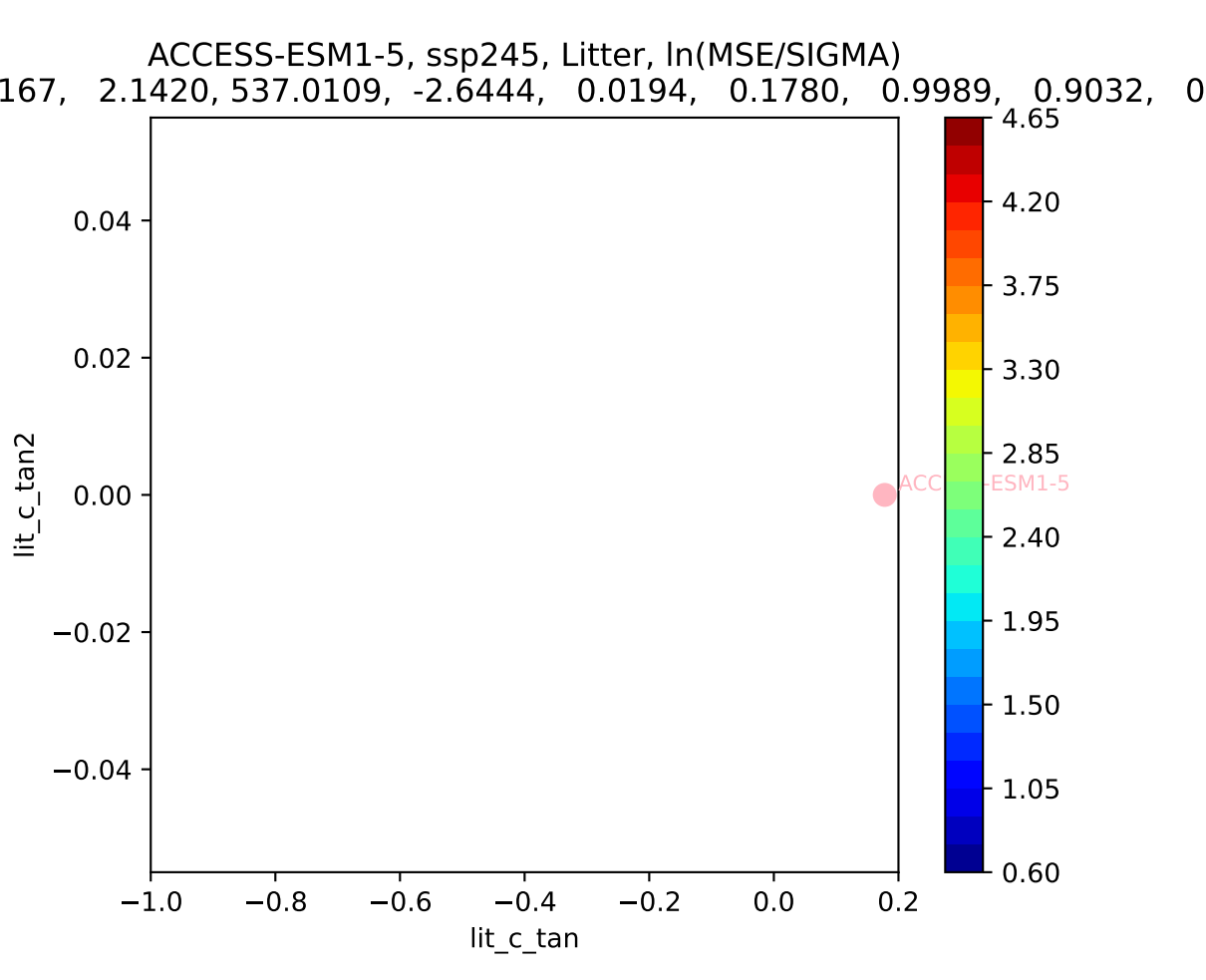

ACCESS-ESM1-5, ssp245, Litter
ESM
Fit
Litter
c_atm

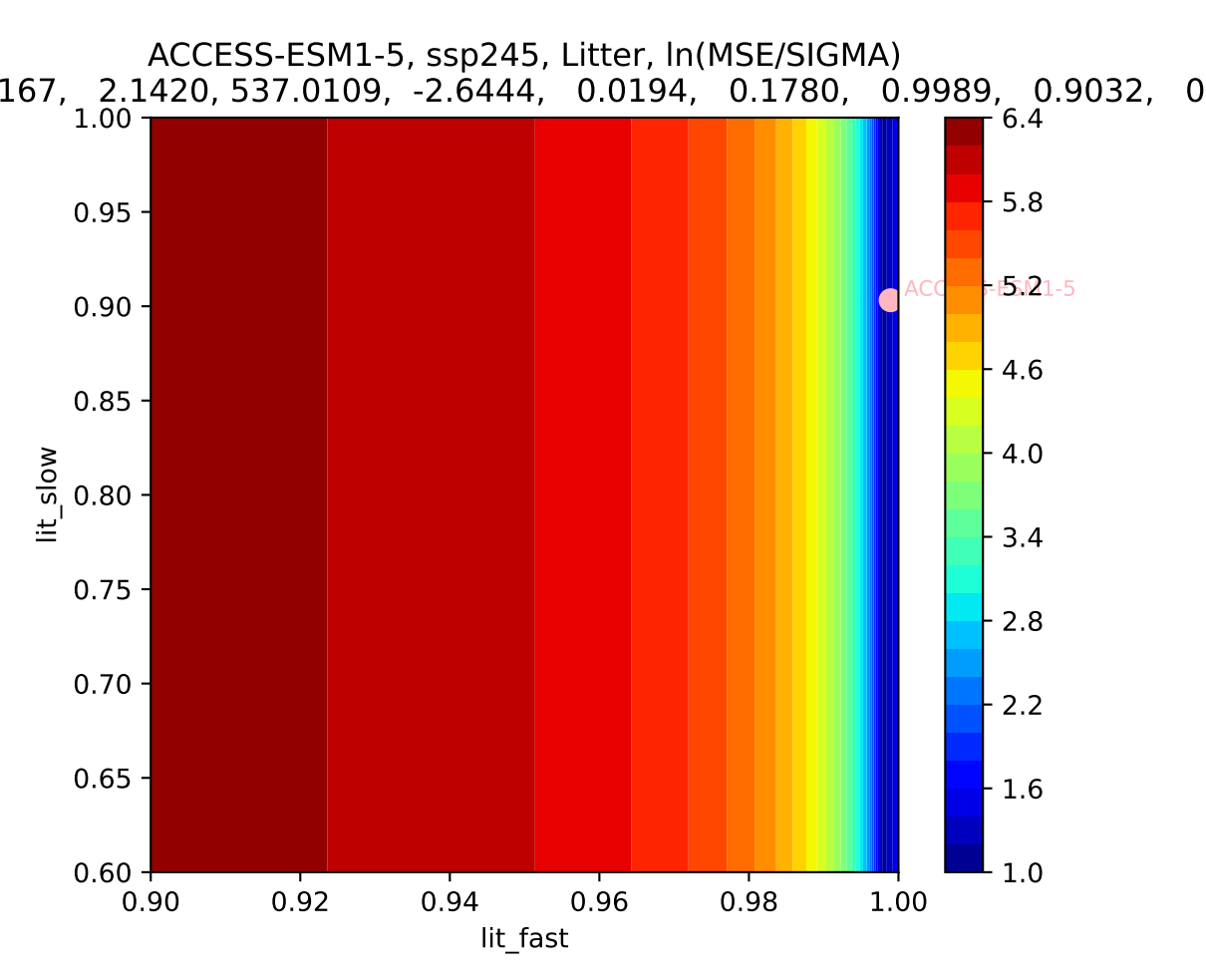

ACCESS-ESM1-5, ssp245, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

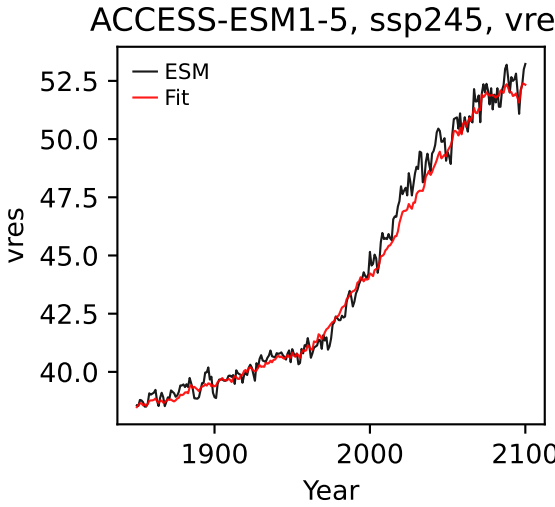

ACCESS-ESM1-5, ssp245, Litter, ln(MSE/SIGMA)
167, 2.1420, 537.0109, -2.6444, 0.0194, 0.1780, 0.9989, 0.9032, 0
lit_t_e
lit_t_l
ACCESS-ESM1-5
11.1
10.2
9.3
8.4
7.5
6.6
5.7
4.8
3.9
3.0

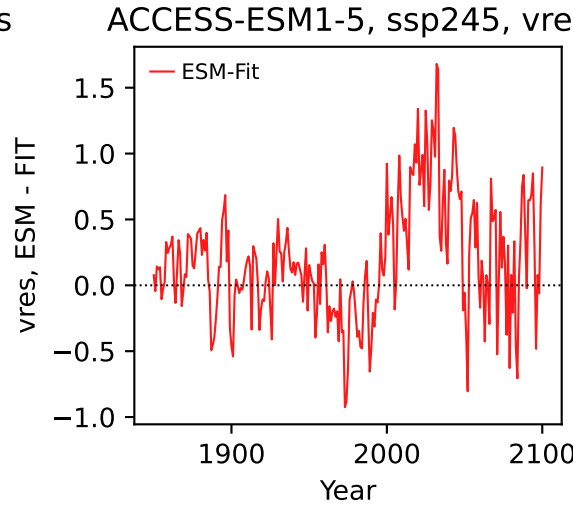

ACCESS-ESM1-5, ssp245, Litter, ln(MSE/SIGMA)
167, 2.1420, 537.0109, -2.6444, 0.0194, 0.1780, 0.9989, 0.9032, 0
lit_c_half
lit_c_l
ACCESS-ESM1-5
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7.25
6.50
5.75
5.00
4.25
3.50
2.75
2.00
1.25
0.50

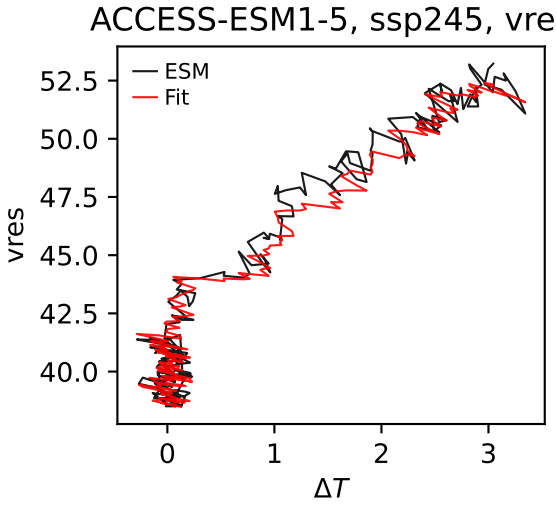

ACCESS-ESM1-5, ssp245, Litter, ln(MSE/SIGMA)
167, 2.1420, 537.0109, -2.6444, 0.0194, 0.1780, 0.9989, 0.9032, 0
ACCESS-ESM1-5
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.2
9.3
8.4
7.5
6.6
5.7
4.8
3.9
3.0
2.1

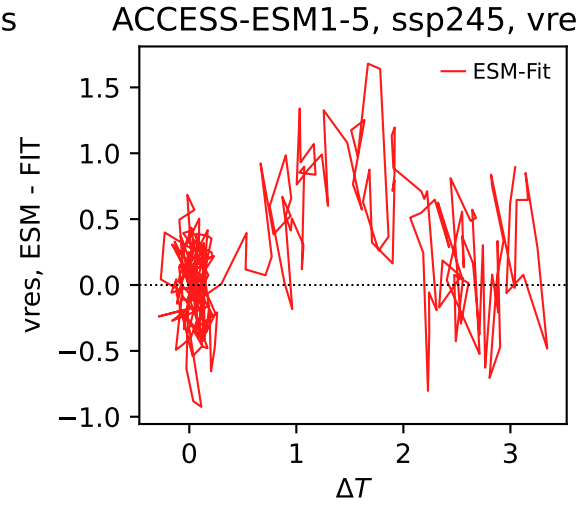

ACCESS-ESM1-5, ssp245, Litter, ln(MSE/SIGMA)
167, 2.1420, 537.0109, -2.6444, 0.0194, 0.1780, 0.9989, 0.9032, 0
lit_c_tan2
lit_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
4.65
4.20
3.75
3.30
2.85
2.40
1.95
1.50
1.05
0.60
ACC
-ESM1-5

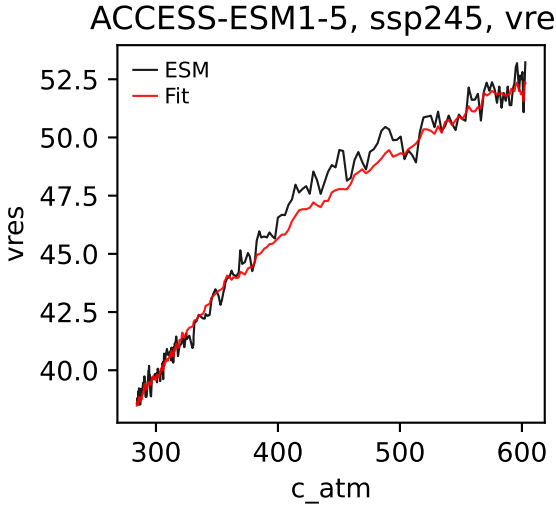

ACCESS-ESM1-5, ssp245, Litter, ln(MSE/SIGMA)
167, 2.1420, 537.0109, -2.6444, 0.0194, 0.1780, 0.9989, 0.9032, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
0.90
0.92
0.94
0.96
0.98
1.00
lit_fast
6.4
5.8
5.2
4.6
4.0
3.4
2.8
2.2
1.6
1.0

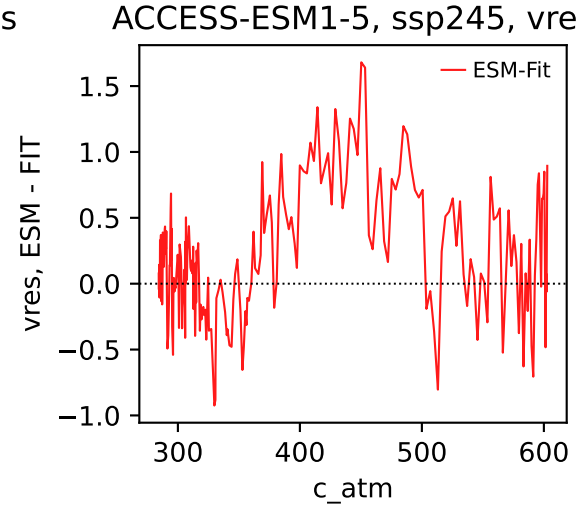

ACCESS-ESM1-5, ssp245, vres
ESM
Fit
vres
Year

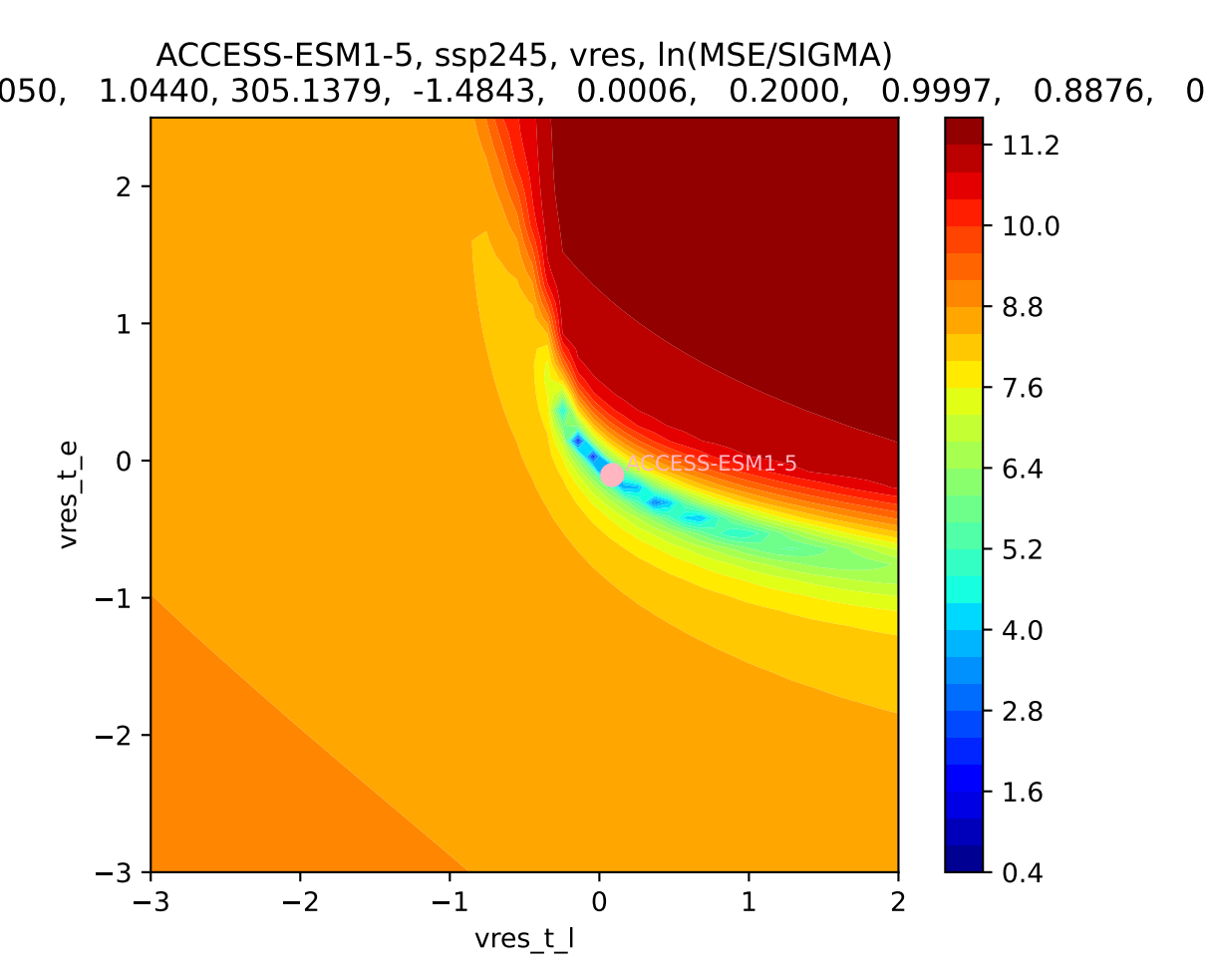

ACCESS-ESM1-5, ssp245, vres
ESM-Fit
vres, ESM - FIT
Year

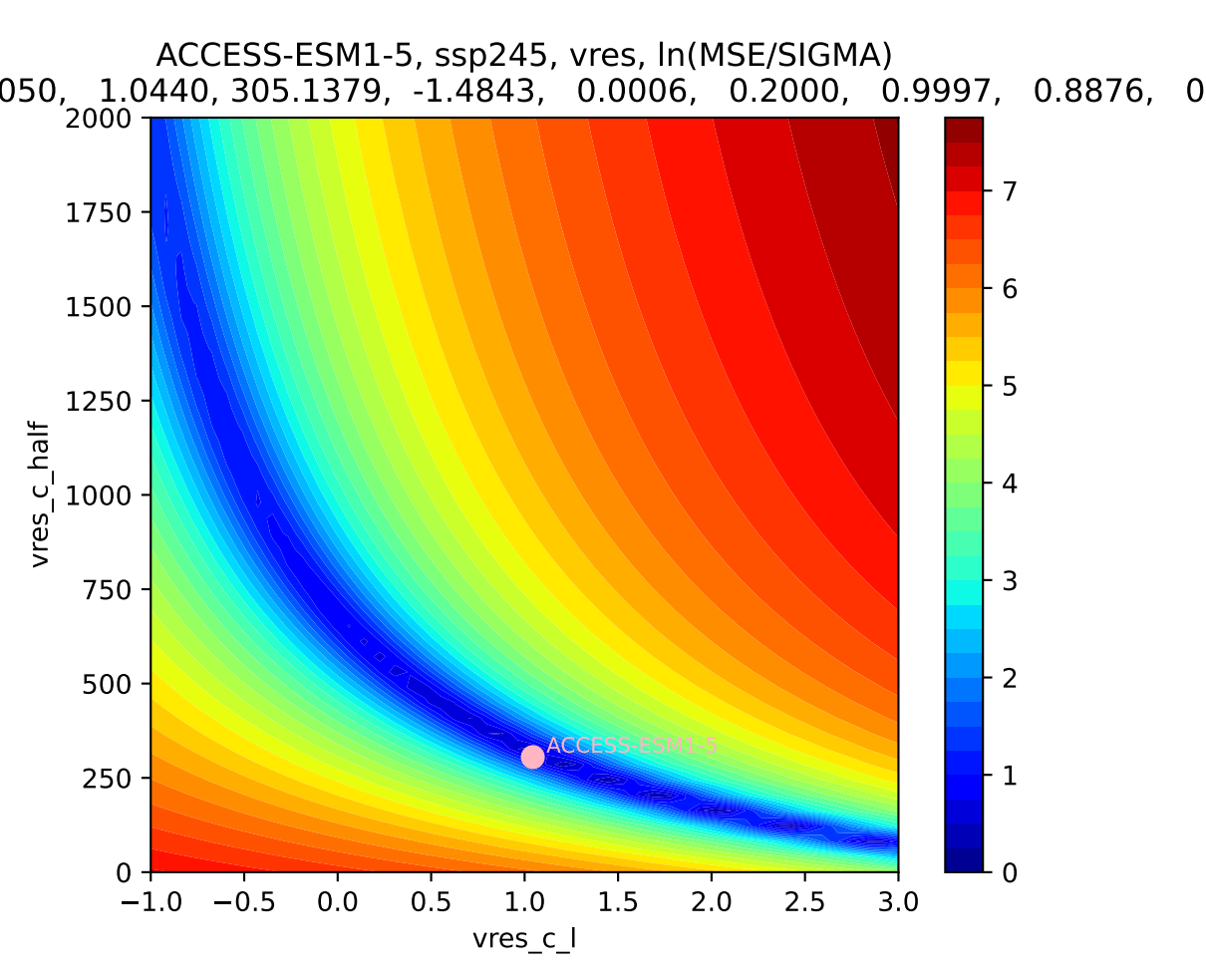

ACCESS-ESM1-5, ssp245, vres
ESM
Fit
vres
ΔT

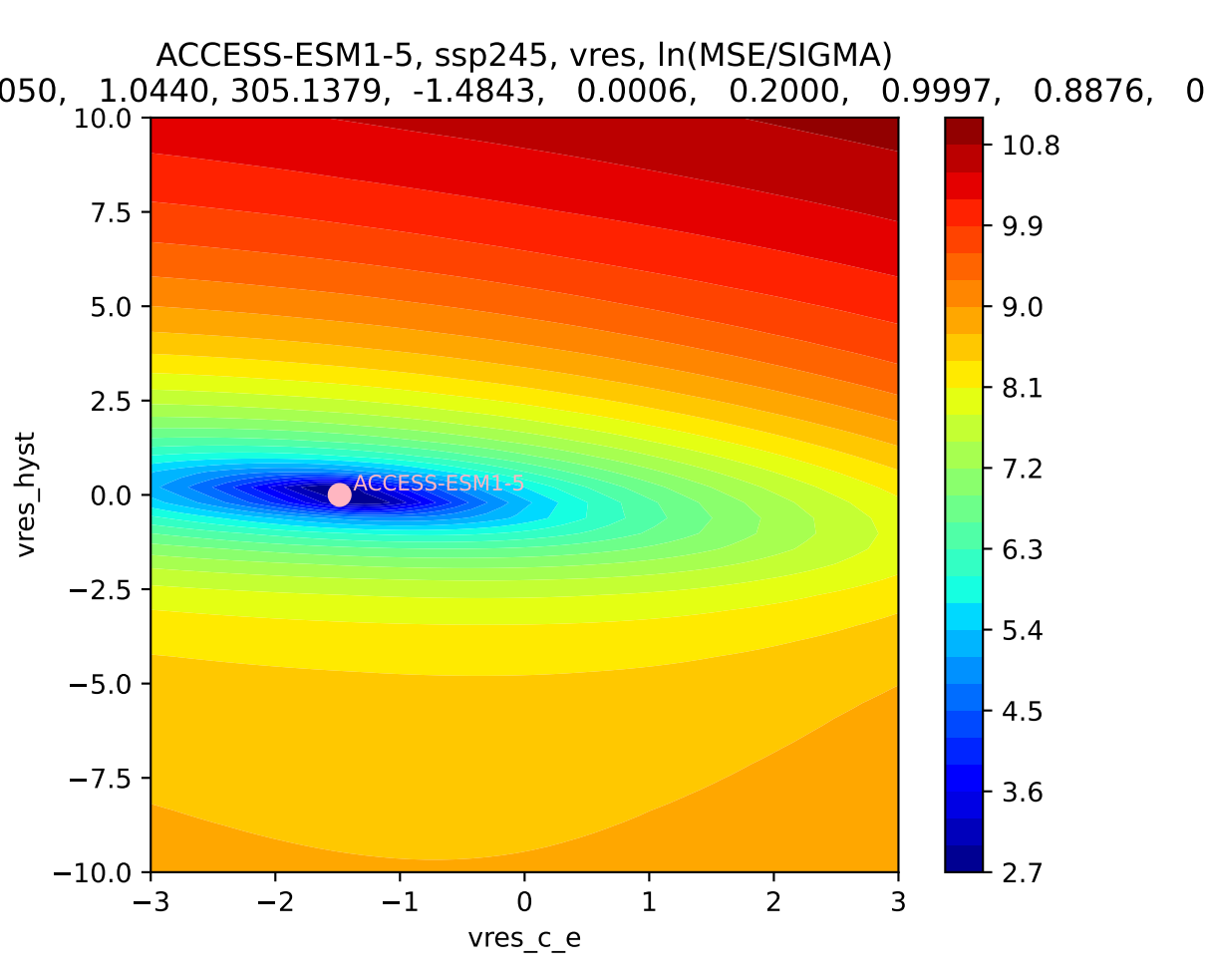

ACCESS-ESM1-5, ssp245, vres
ESM-Fit
vres, ESM - FIT
ΔT


ACCESS-ESM1-5, ssp245, vres
ESM
Fit
vres
c_atm


ACCESS-ESM1-5, ssp245, vres
ESM-Fit
vres, ESM - FIT
c_atm


ACCESS-ESM1-5, ssp245, vres, ln(MSE/SIGMA)
050, 1.0440, 305.1379, -1.4843, 0.0006, 0.2000, 0.9997, 0.8876, 0
ACCESS-ESM1-5
vres_t_e
vres_t_l
−3
−2
−1
0
1
2
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4


ACCESS-ESM1-5, ssp245, vres, ln(MSE/SIGMA)
050, 1.0440, 305.1379, -1.4843, 0.0006, 0.2000, 0.9997, 0.8876, 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
7
6
5
4
3
2
1
0


ACCESS-ESM1-5, ssp245, vres, ln(MSE/SIGMA)
050, 1.0440, 305.1379, -1.4843, 0.0006, 0.2000, 0.9997, 0.8876, 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
9.9
9.0
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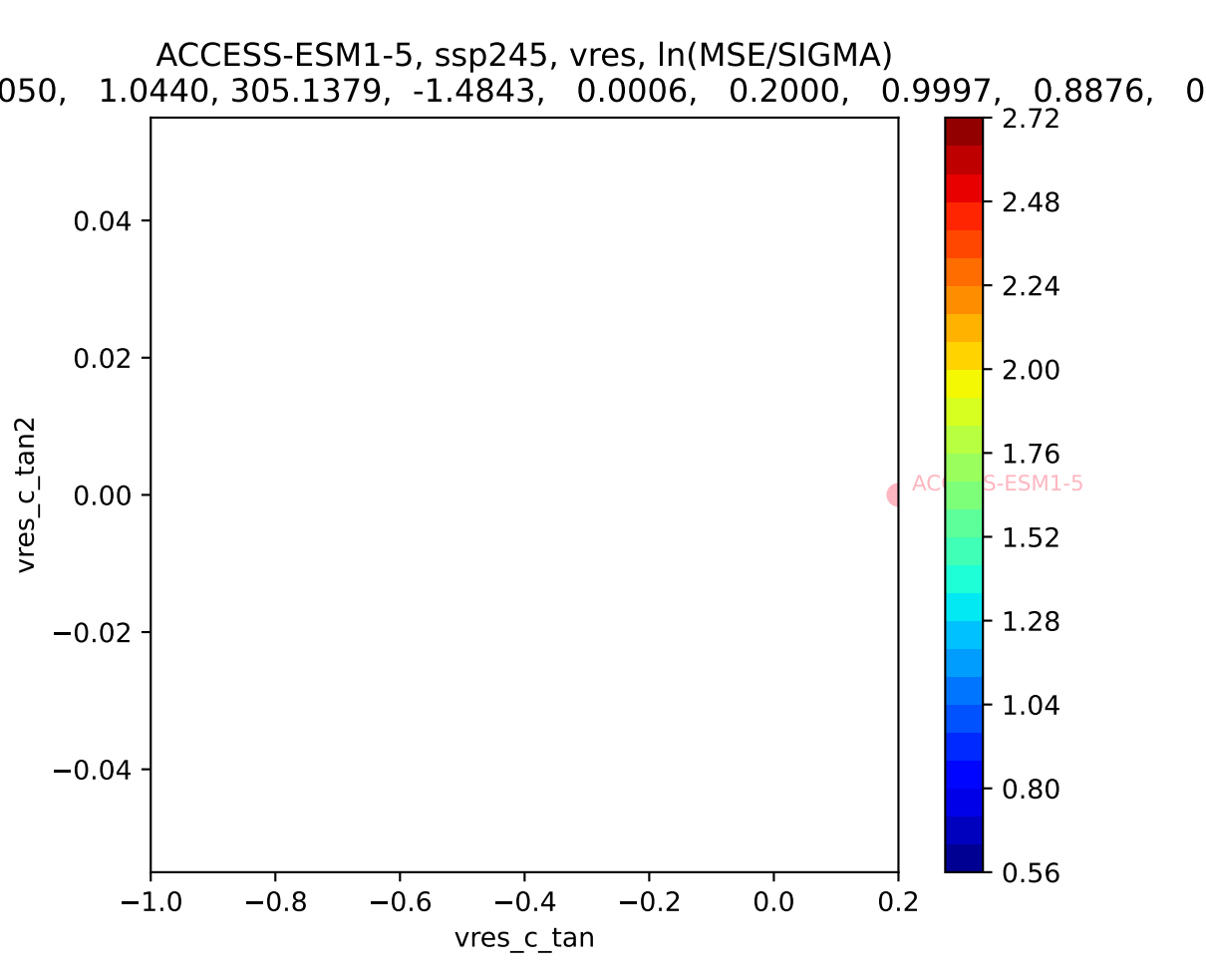
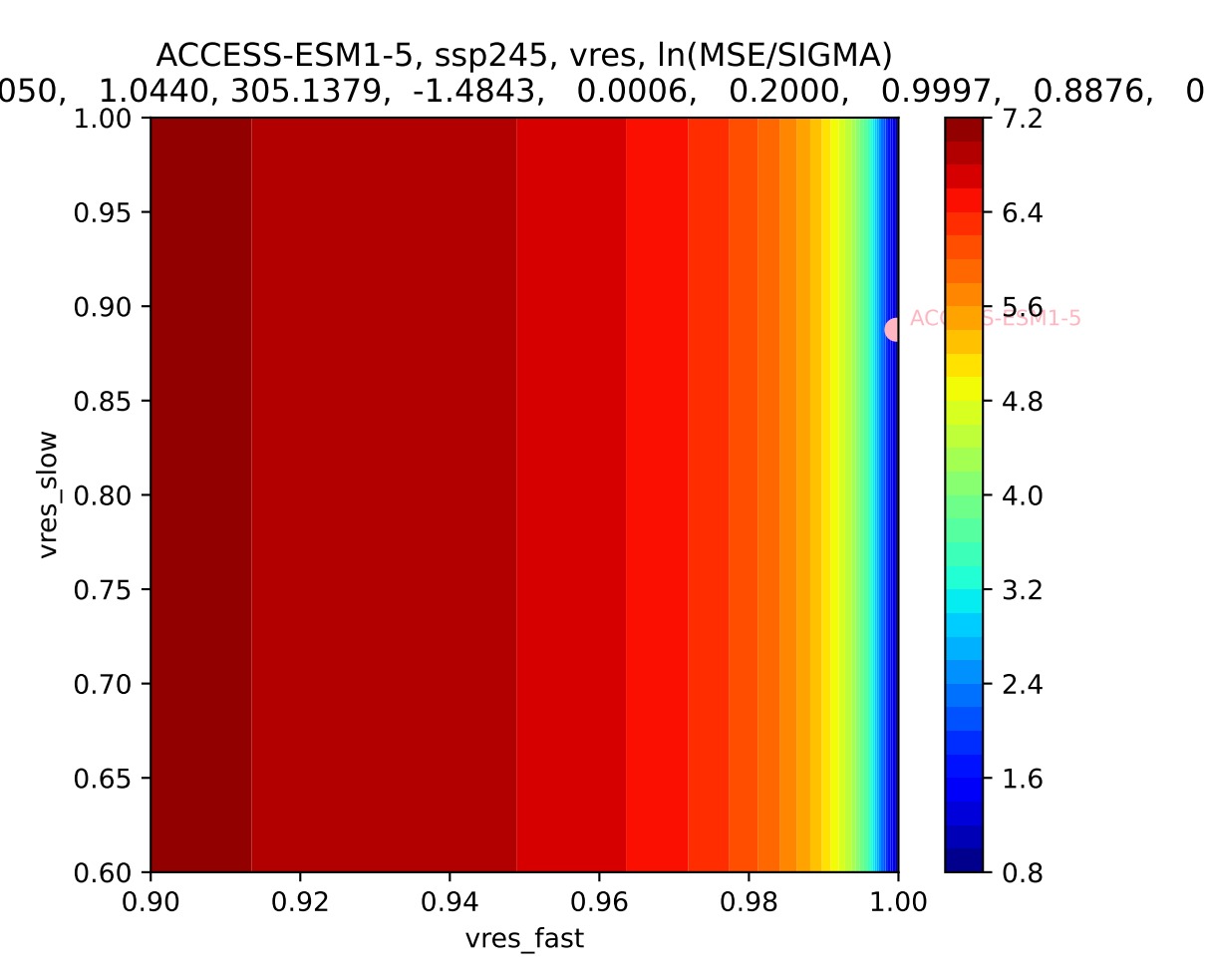
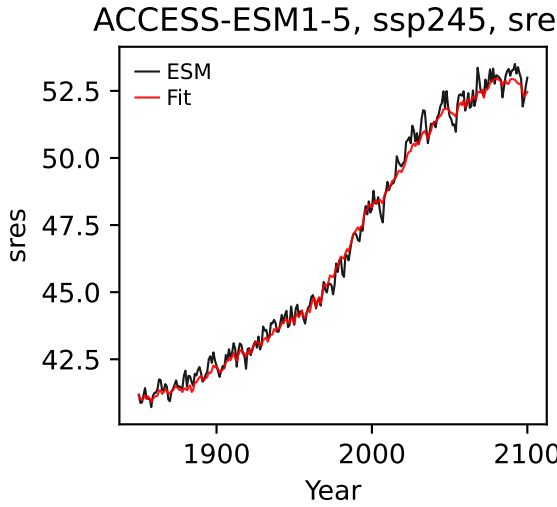
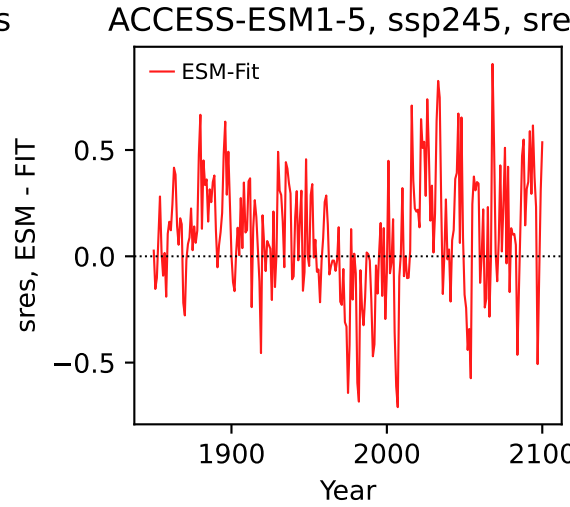
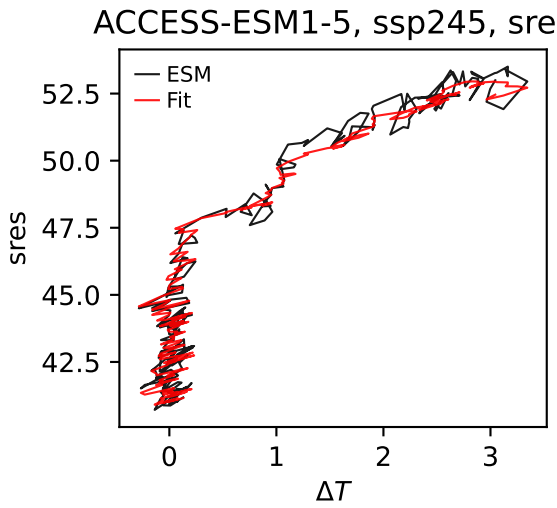
7.2
6.3
5.4
4.5
3.6
2.7

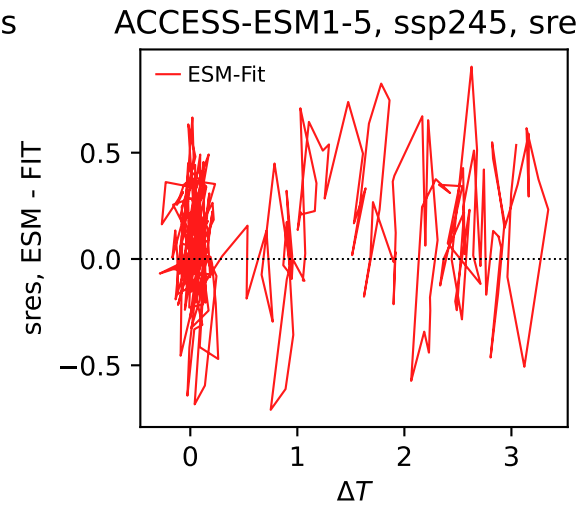

ACCESS-ESM1-5, ssp245, vres, ln(MSE/SIGMA)
050, 1.0440, 305.1379, -1.4843, 0.0006, 0.2000, 0.9997, 0.8876, 0
0.04
0.02
0.00
−0.02
−0.04
vres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
vres_c_tan
2.72
2.48
2.24
2.00
1.76
1.52
1.28
1.04
0.80
0.56

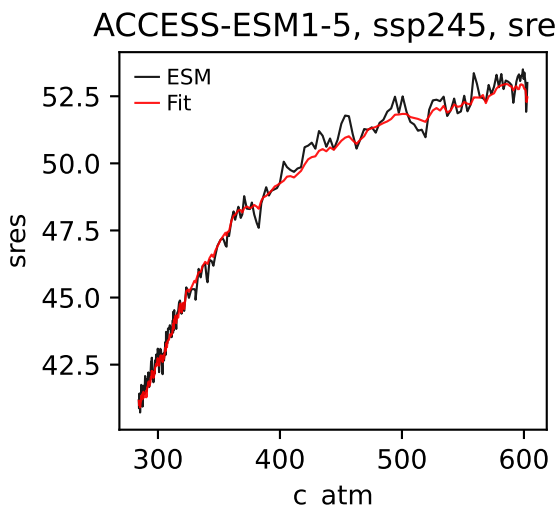

ACCESS-ESM1-5, ssp245, vres, ln(MSE/SIGMA)
050, 1.0440, 305.1379, -1.4843, 0.0006, 0.2000, 0.9997, 0.8876, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
0.90
0.92
0.94
0.96
0.98
1.00
vres_fast
7.2
6.4
5.6
4.8
4.0
3.2
2.4
1.6
0.8

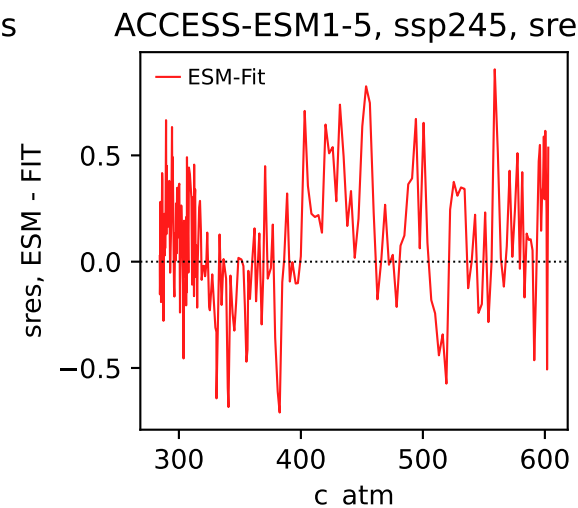

ACCESS-ESM1-5, ssp245, sres
ESM
Fit
sres
52.5
50.0
47.5
45.0
42.5
1900
2000
2100
Year

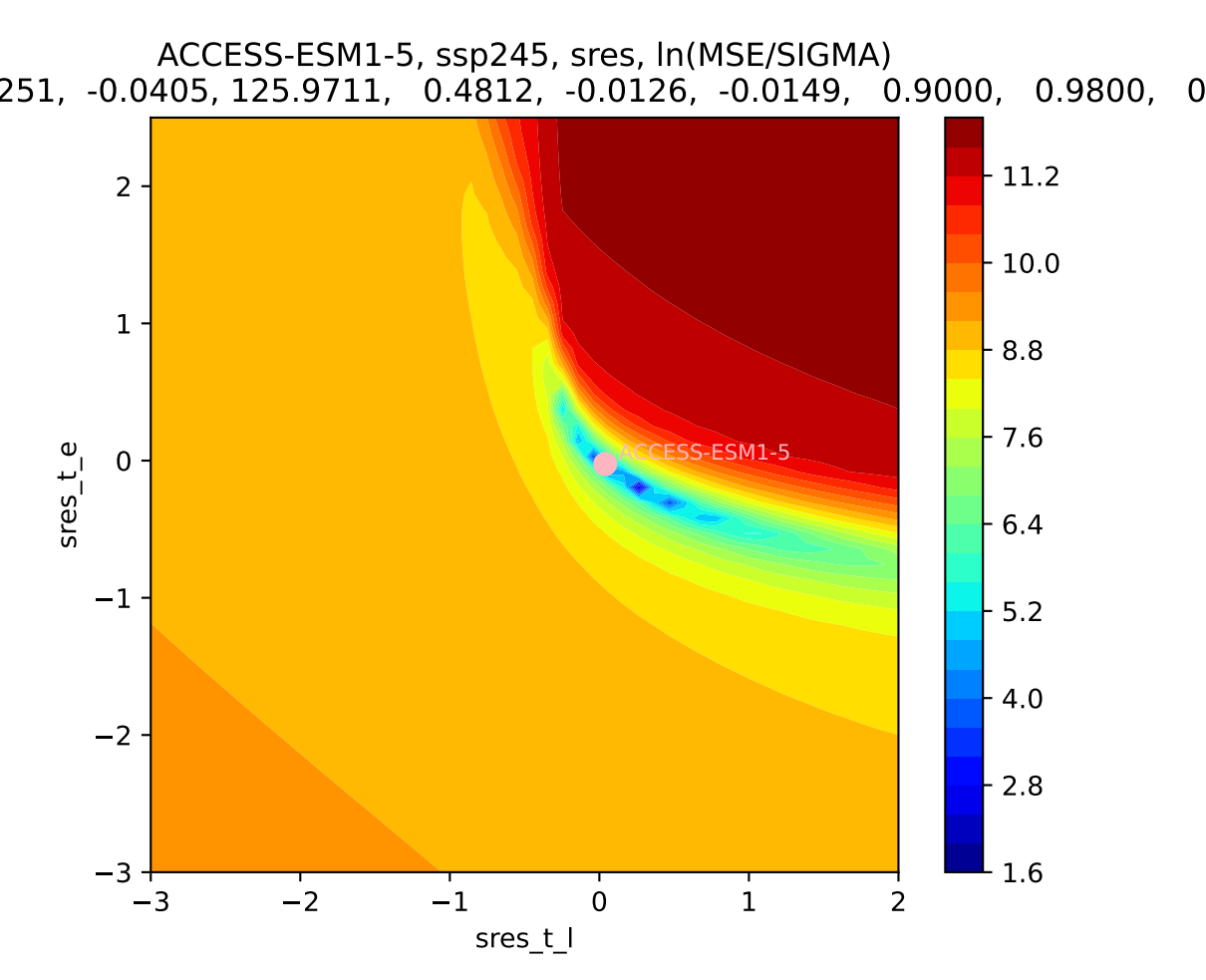

ACCESS-ESM1-5, ssp245, sres
ESM-Fit
sres, ESM - FIT
0.5
0.0
−0.5
1900
2000
2100
Year

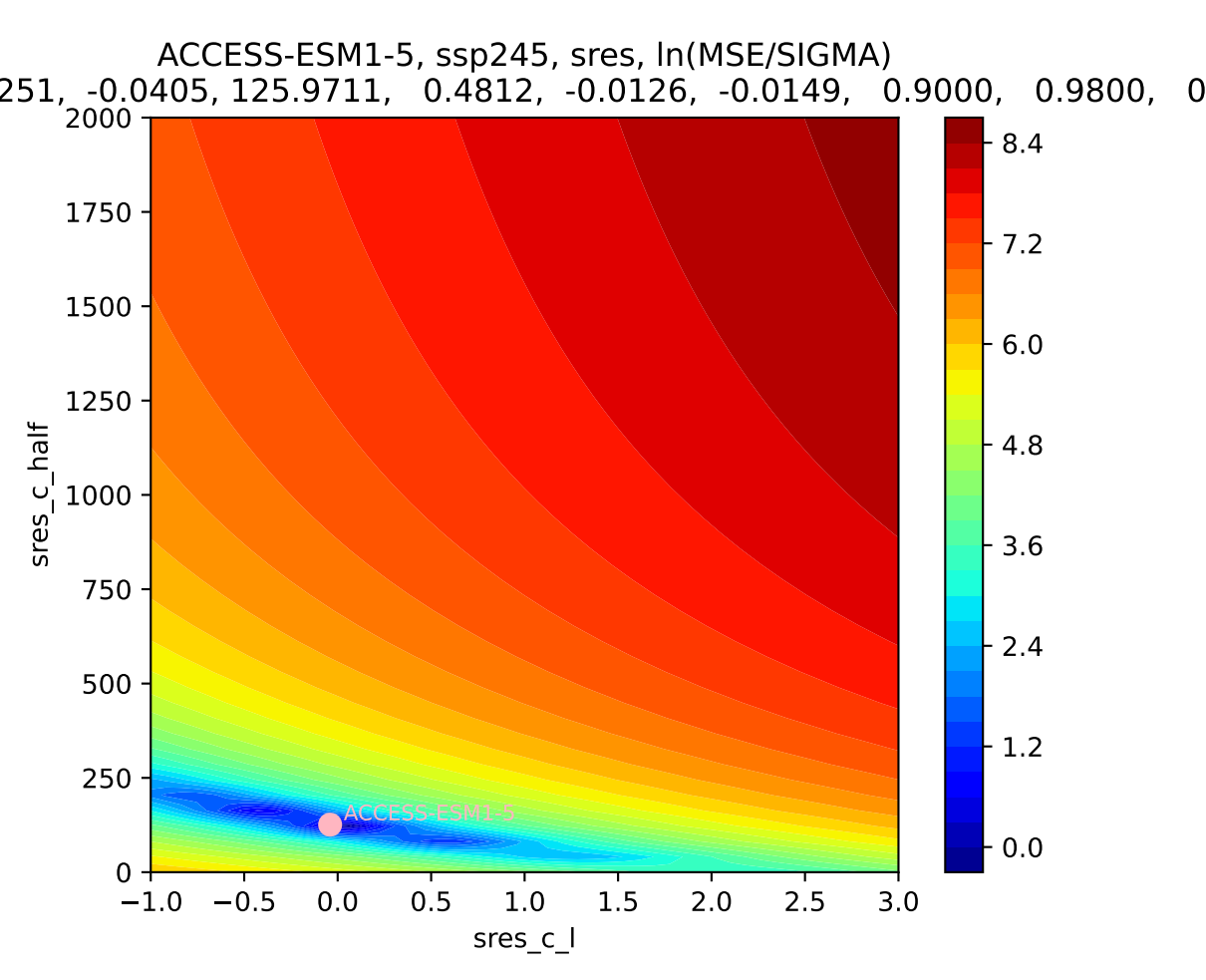

ACCESS-ESM1-5, ssp245, sres
ESM
Fit
sres
52.5
50.0
47.5
45.0
42.5
0
1
2
3
ΔT

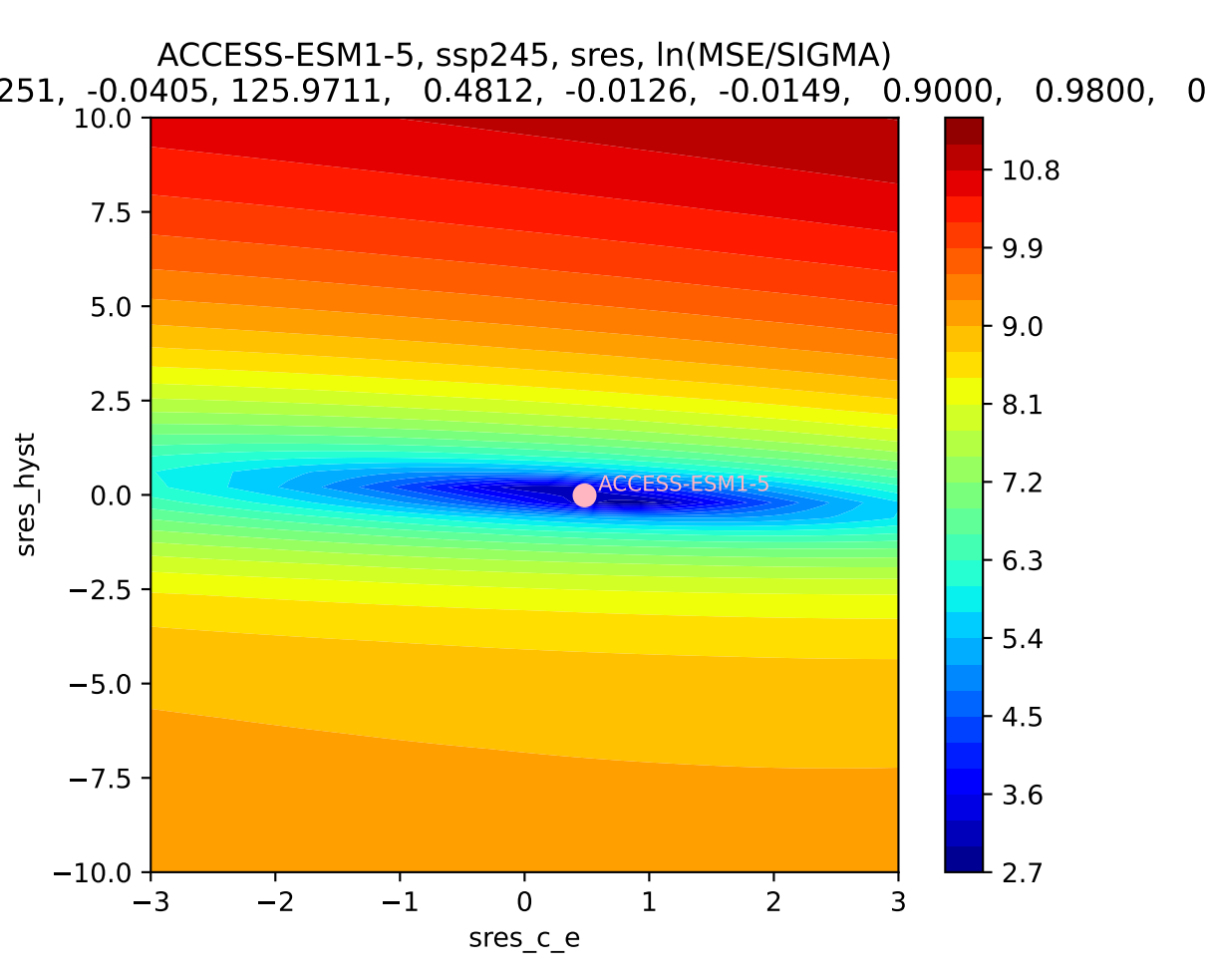

ACCESS-ESM1-5, ssp245, sres
ESM-Fit
sres, ESM - FIT
0.5
0.0
−0.5
0
1
2
3
ΔT


ACCESS-ESM1-5, ssp245, sres
ESM
Fit
sres
52.5
50.0
47.5
45.0
42.5
300
400
500
600
c_atm


ACCESS-ESM1-5, ssp245, sres
ESM-Fit
sres, ESM - FIT
0.5
0.0
−0.5
300
400
500
600
c_atm


ACCESS-ESM1-5, ssp245, sres, ln(MSE/SIGMA)
251, -0.0405, 125.9711, 0.4812, -0.0126, -0.0149, 0.9000, 0.9800, 0
ACCESS-ESM1-5
sres_t_e
sres_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, ssp245, sres, ln(MSE/SIGMA)
251, -0.0405, 125.9711, 0.4812, -0.0126, -0.0149, 0.9000, 0.9800, 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
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0


ACCESS-ESM1-5, ssp245, sres, ln(MSE/SIGMA)
251, -0.0405, 125.9711, 0.4812, -0.0126, -0.0149, 0.9000, 0.9800, 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
10.8
9.9
9.0
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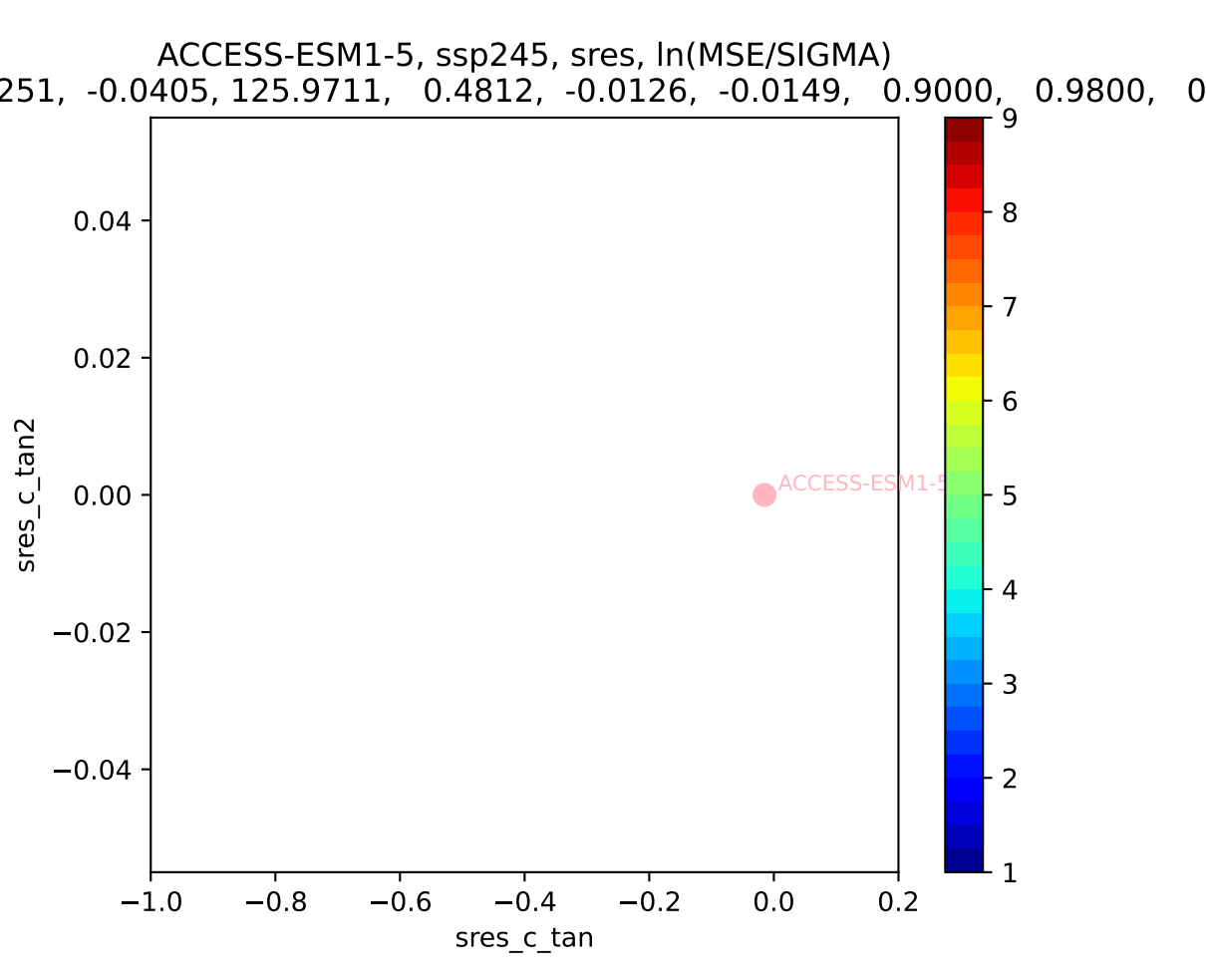
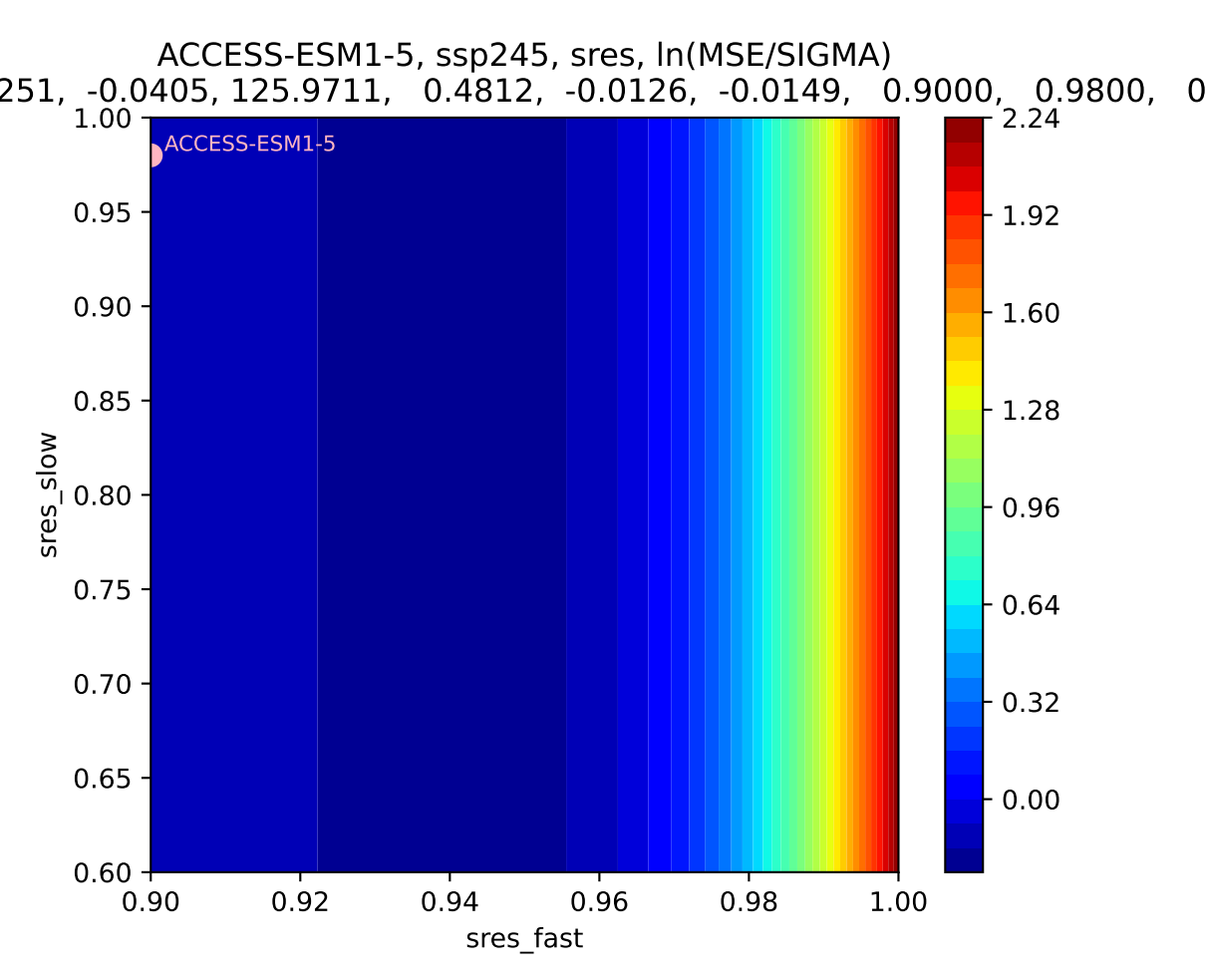
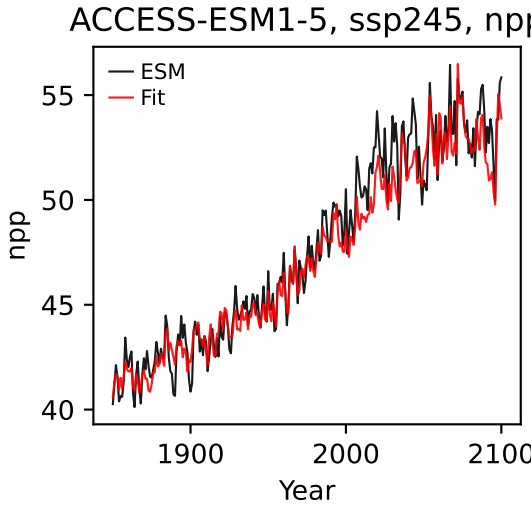
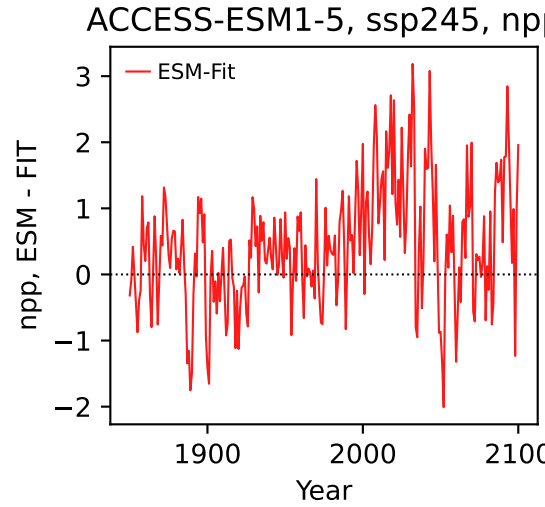
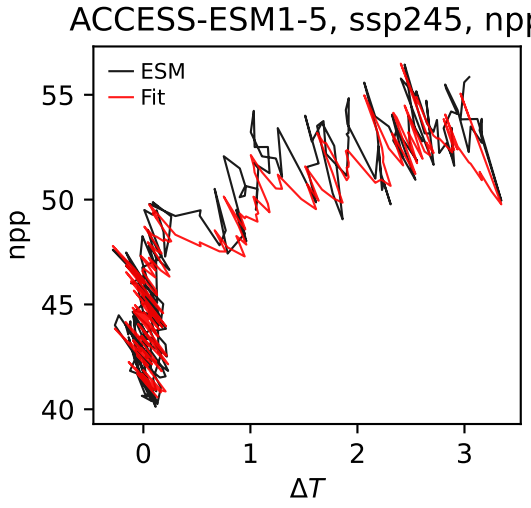
7.2
6.3
5.4
4.5
3.6
2.7

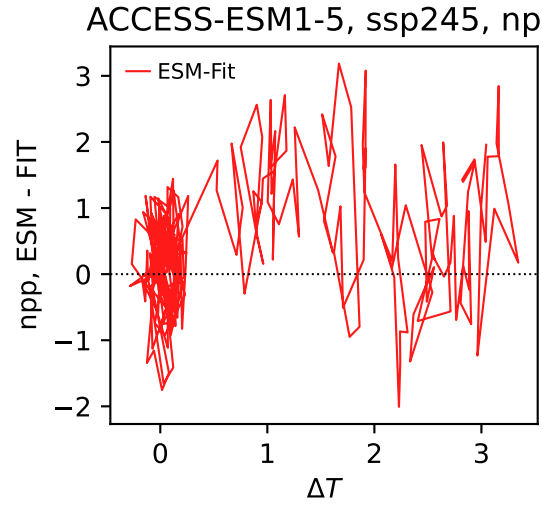

ACCESS-ESM1-5, ssp245, sres, ln(MSE/SIGMA)
251, -0.0405, 125.9711, 0.4812, -0.0126, -0.0149, 0.9000, 0.9800, 0
ACCESS-ESM1-5
sres_c_tan2
sres_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
9
8
7
6
5
4
3
2
1

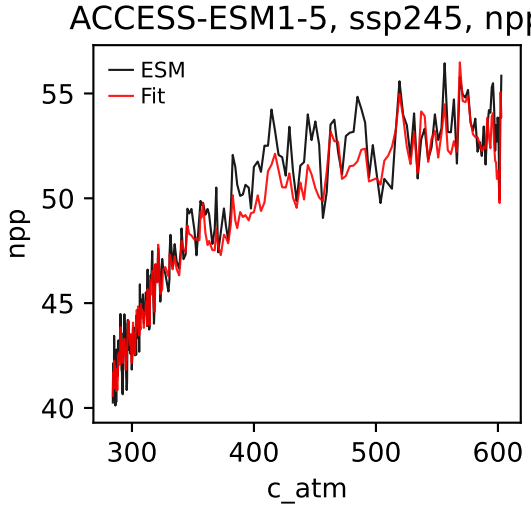

ACCESS-ESM1-5, ssp245, sres, ln(MSE/SIGMA)
251, -0.0405, 125.9711, 0.4812, -0.0126, -0.0149, 0.9000, 0.9800, 0
ACCESS-ESM1-5
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
0.90
0.92
0.94
0.96
0.98
1.00
sres_fast
2.24
1.92
1.60
1.28
0.96
0.64
0.32
0.00

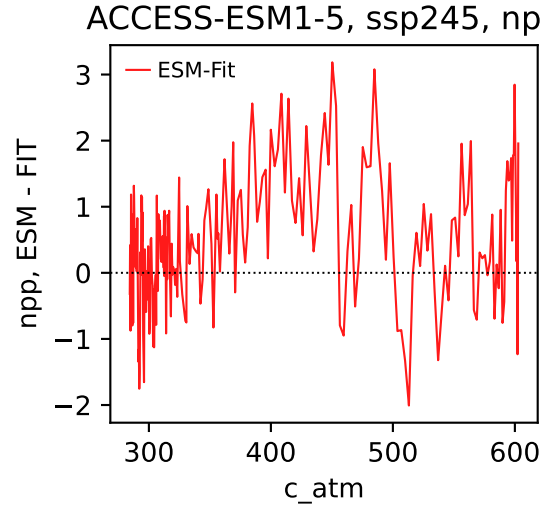

ACCESS-ESM1-5, ssp245, npp
ESM
Fit
npp
Year

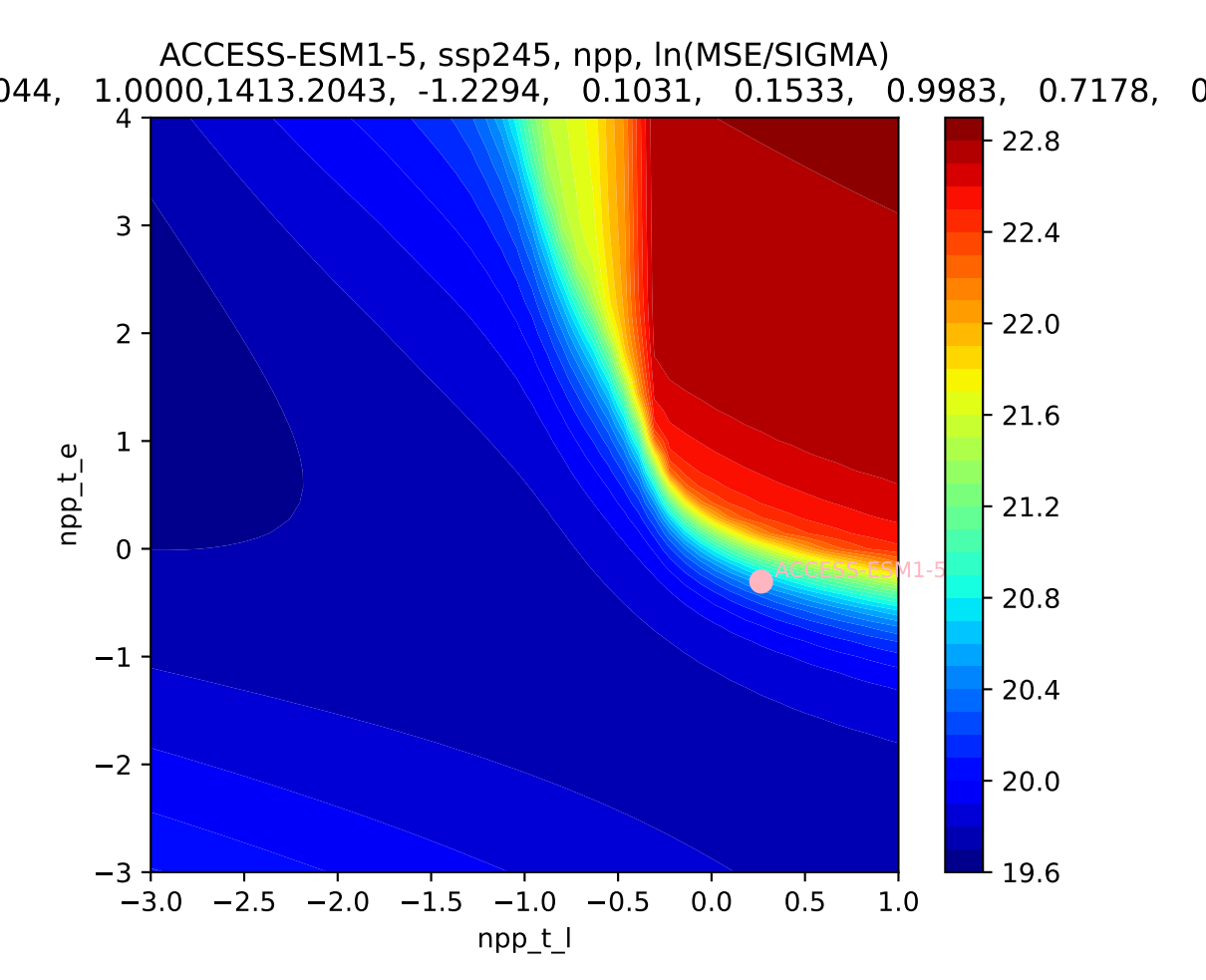

ACCESS-ESM1-5, ssp245, npp
ESM-Fit
npp, ESM - FIT
Year

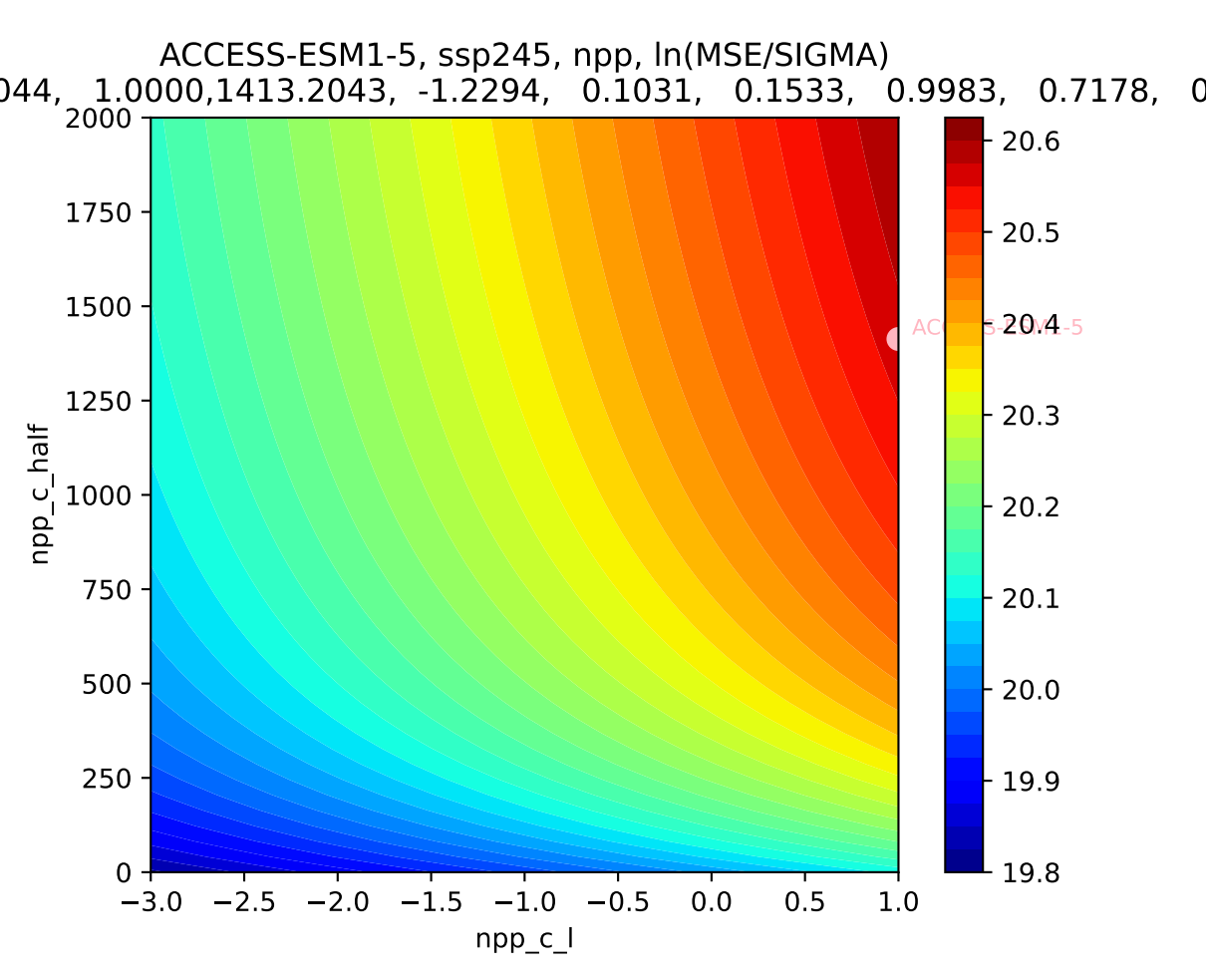

ACCESS-ESM1-5, ssp245, npp
ESM
Fit
npp
ΔT

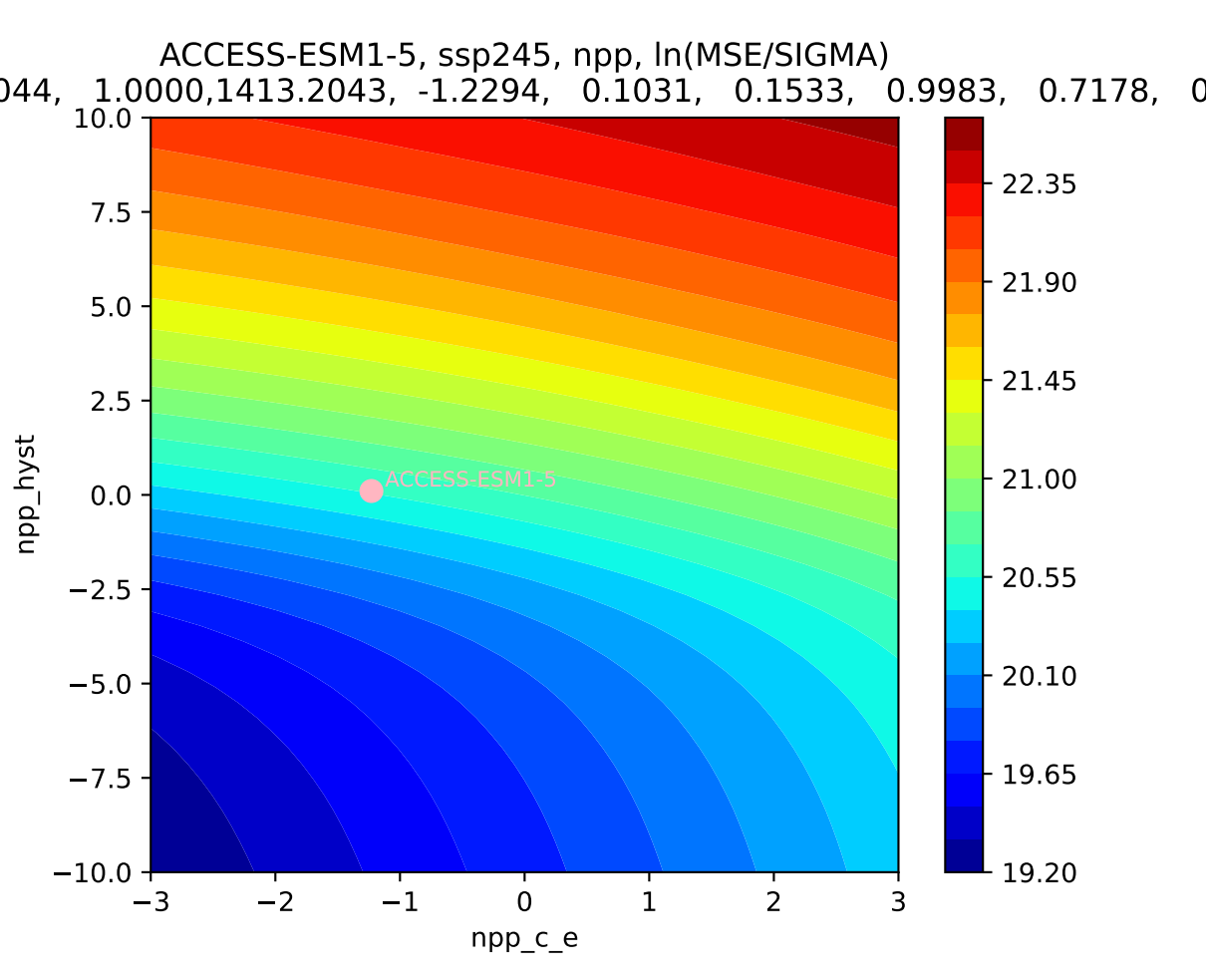

ACCESS-ESM1-5, ssp245, npp
ESM-Fit
npp, ESM - FIT
ΔT

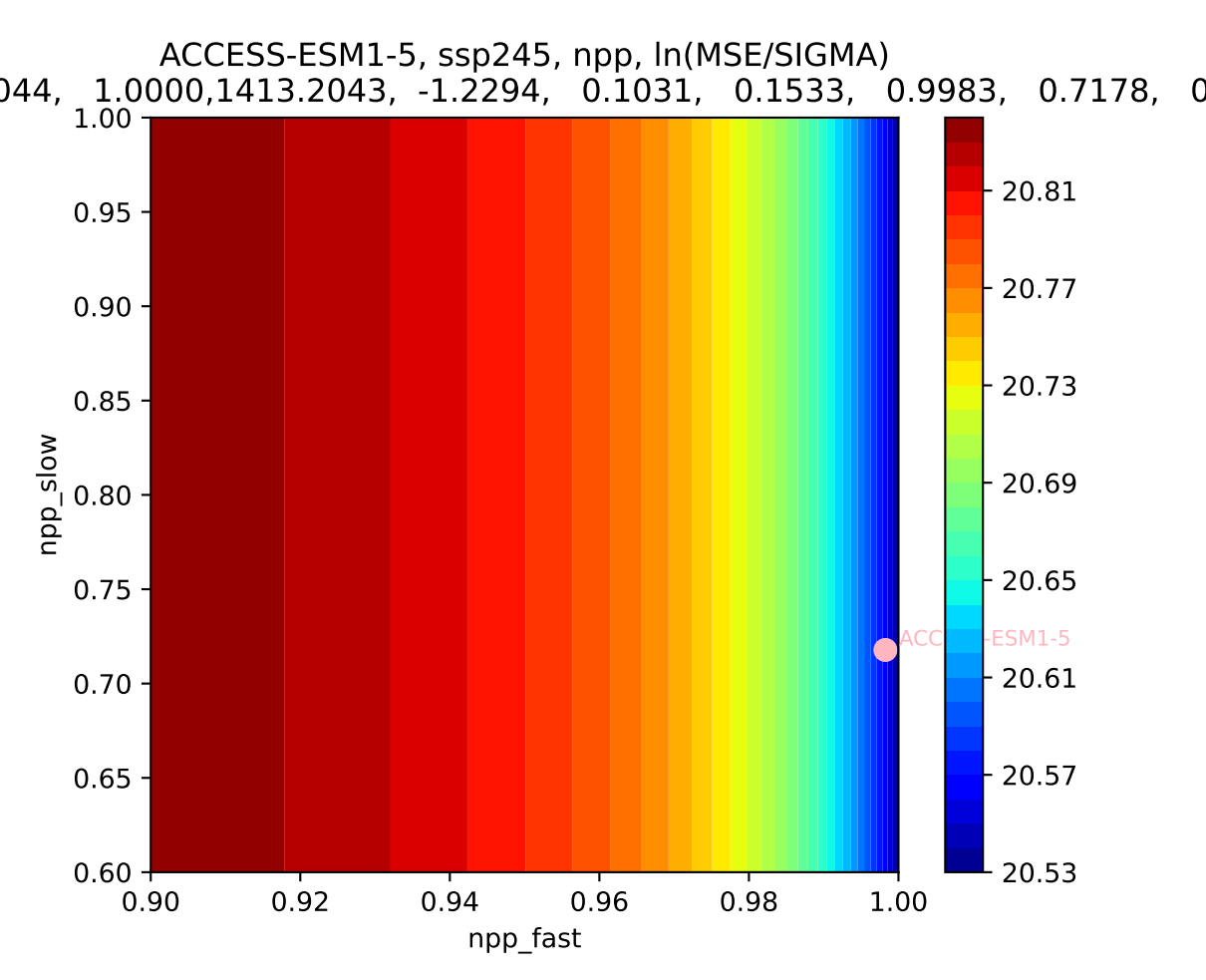

ACCESS-ESM1-5, ssp245, npp
ESM
Fit
npp
c_atm

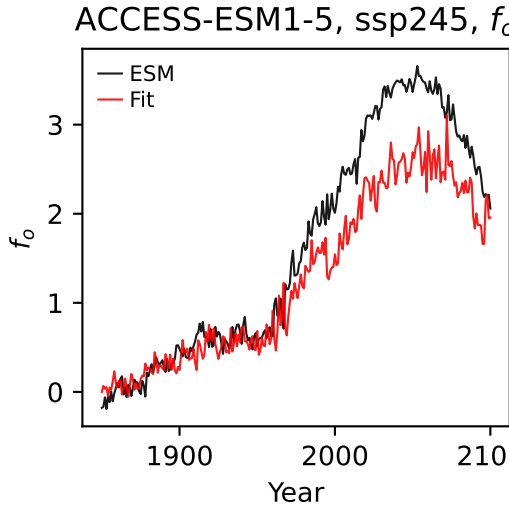

ACCESS-ESM1-5, ssp245, npp
ESM-Fit
npp, ESM - FIT
c_atm

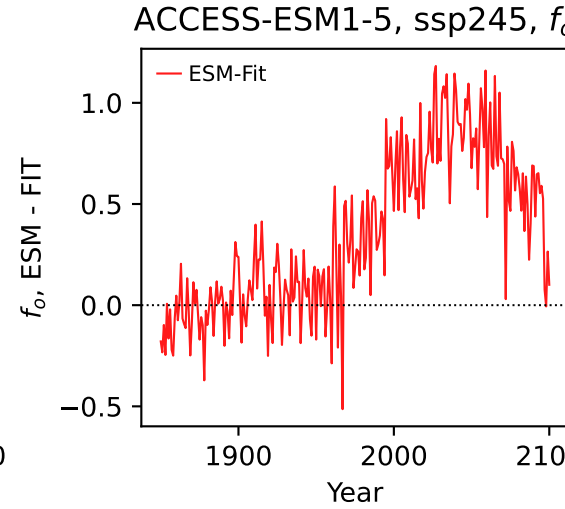

ACCESS-ESM1-5, ssp245, npp, ln(MSE/SIGMA)
044, 1.0000,1413.2043, -1.2294, 0.1031, 0.1533, 0.9983, 0.7178, 0
ACCESS-ESM1-5
npp_t_e
npp_t_l
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
22.8
22.4
22.0
21.6
21.2
20.8
20.4
20.0
19.6

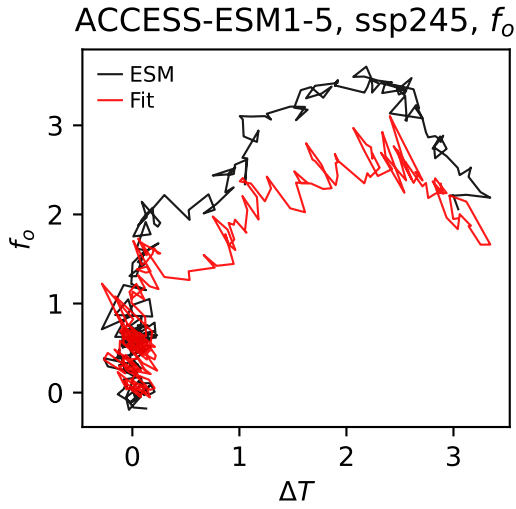

ACCESS-ESM1-5, ssp245, npp, ln(MSE/SIGMA)
044, 1.0000,1413.2043, -1.2294, 0.1031, 0.1533, 0.9983, 0.7178, 0
2000
1750
1500
1250
1000
750
500
250
0
npp_c_half
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
npp_c_l
20.6
20.5
20.4
20.3
20.2
20.1
20.0
19.9
19.8

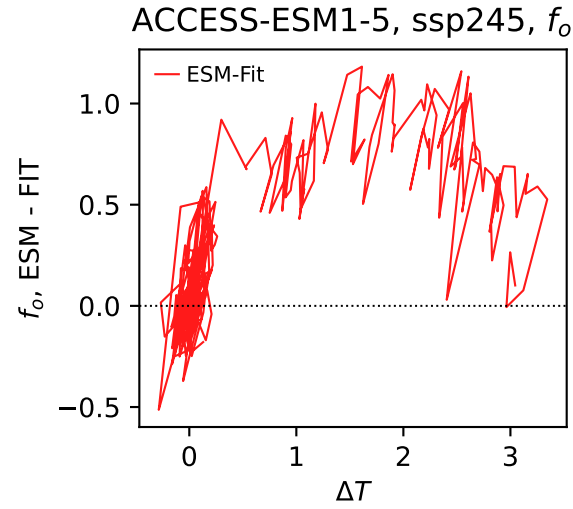

ACCESS-ESM1-5, ssp245, npp, ln(MSE/SIGMA)
044, 1.0000,1413.2043, -1.2294, 0.1031, 0.1533, 0.9983, 0.7178, 0
ACCESS-ESM1-5
npp_hyst
npp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.35
21.90
21.45
21.00
20.55
20.10
19.65
19.20

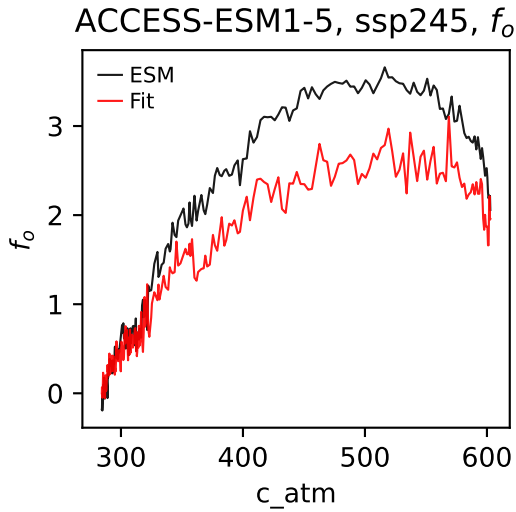

ACCESS-ESM1-5, ssp245, npp, ln(MSE/SIGMA)
044, 1.0000,1413.2043, -1.2294, 0.1031, 0.1533, 0.9983, 0.7178, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
0.90
0.92
0.94
0.96
0.98
1.00
npp_fast
20.81
20.77
20.73
20.69
20.65
20.61
20.57
20.53
ACC -ESM1-5

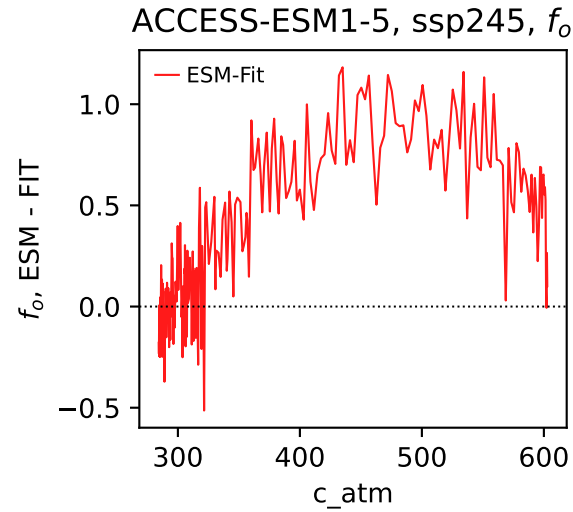

ACCESS-ESM1-5, ssp245, f_o
ESM
Fit
f_o
Year

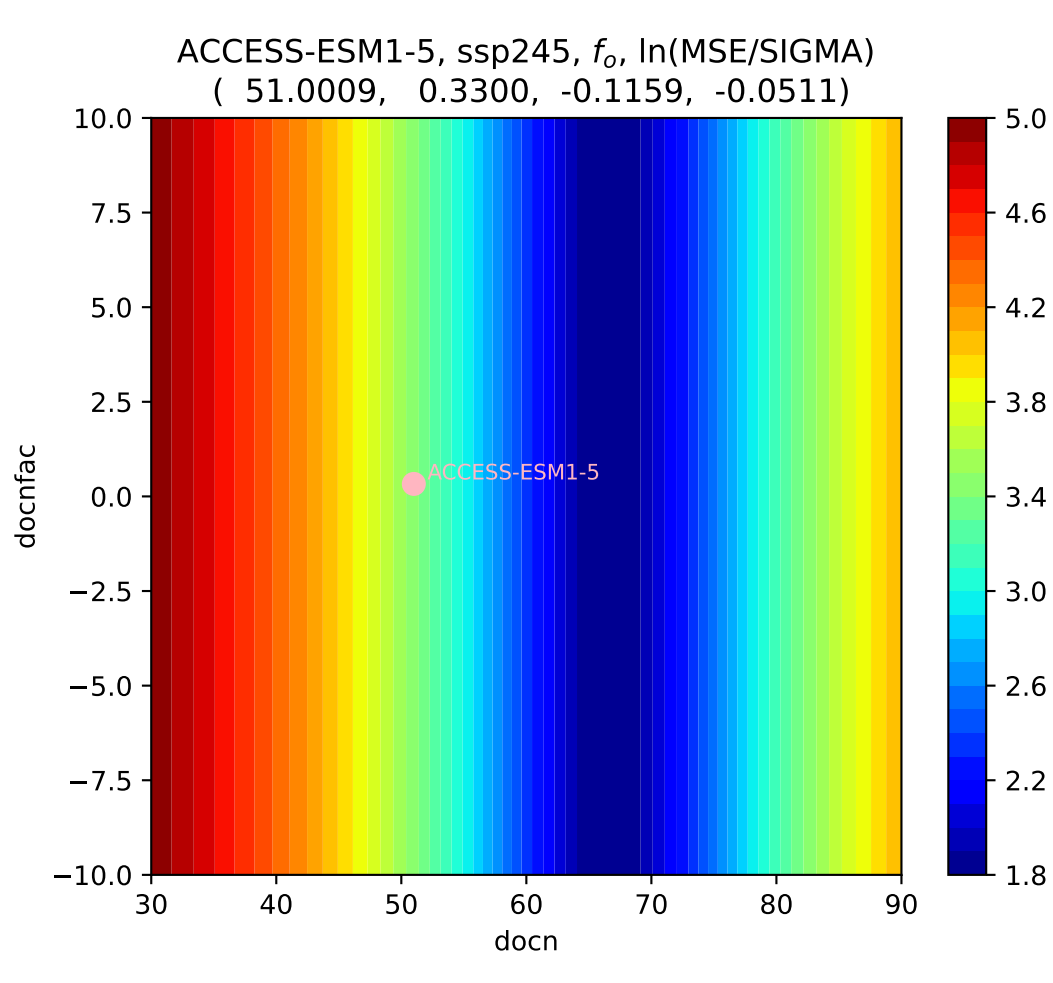

ACCESS-ESM1-5, ssp245, f_o
ESM-Fit
f_o, ESM - FIT
Year


ACCESS-ESM1-5, ssp245, f_o
ESM
Fit
f_o
ΔT


ACCESS-ESM1-5, ssp245, f_o
ESM-Fit
f_o, ESM - FIT
ΔT


ACCESS-ESM1-5, ssp245, f_o
ESM
Fit
f_o
c_atm


ACCESS-ESM1-5, ssp245, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


ACCESS-ESM1-5, ssp245, f_o, ln(MSE/SIGMA)
(51.0009, 0.3300, -0.1159, -0.0511)
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
5.0
4.6
4.2
3.8
3.4
3.0
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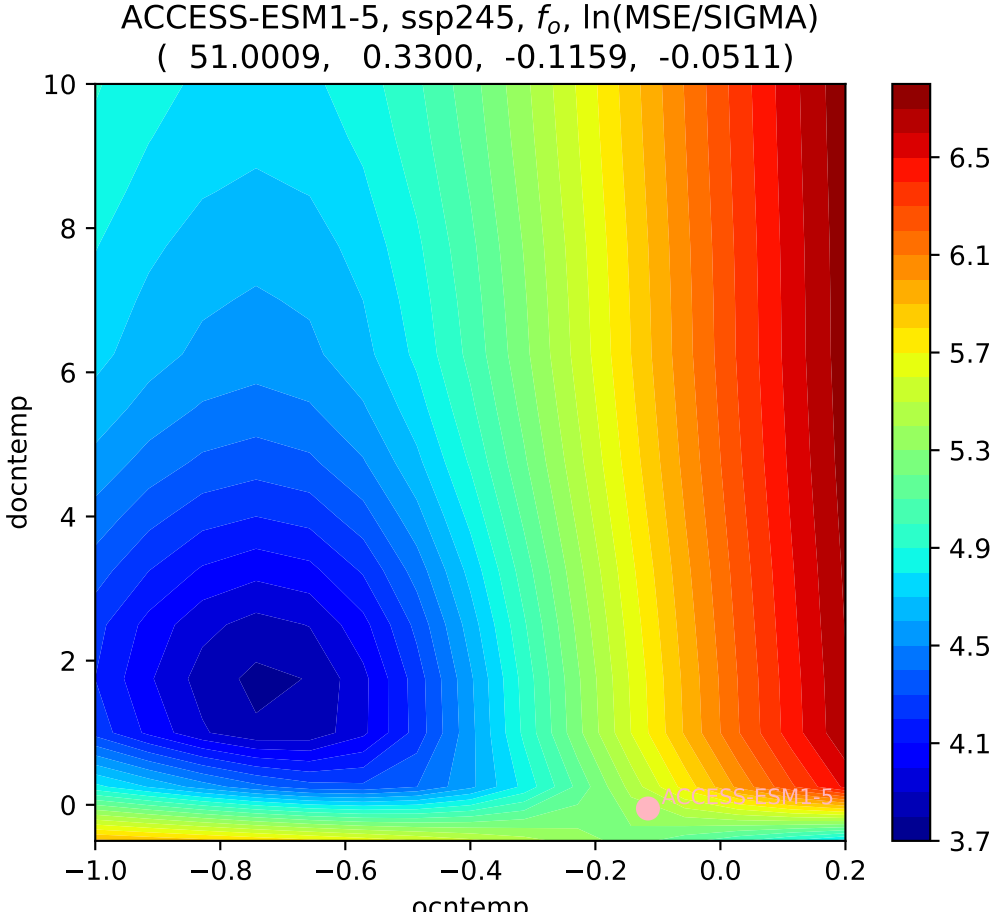
2.2
1.8


ACCESS-ESM1-5, ssp245, f_o, ln(MSE/SIGMA)
(51.0009, 0.3300, -0.1159, -0.0511)
docntemp
ocntemp
ACCESS-ESM1-5
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