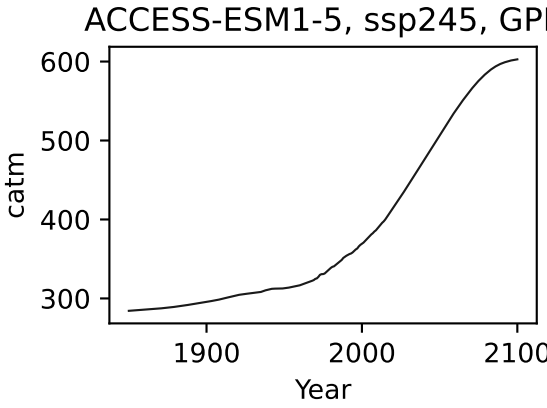
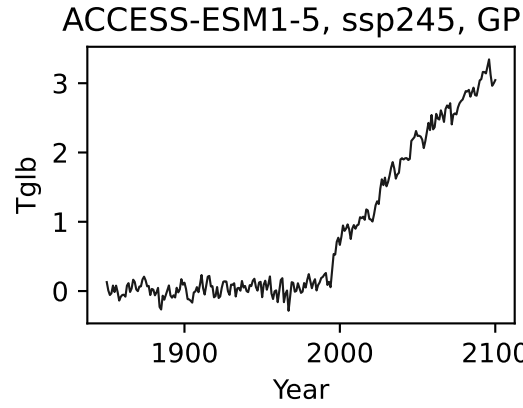
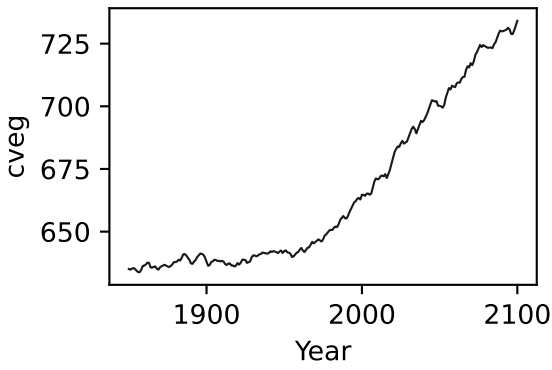
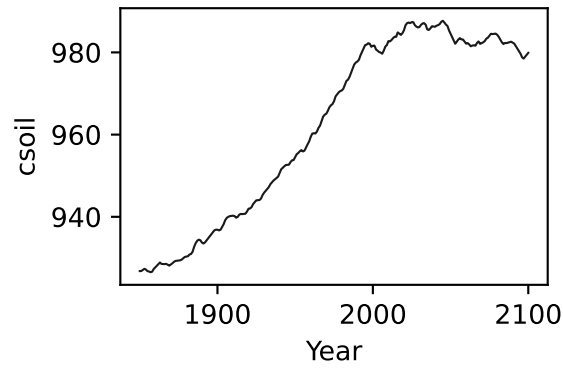
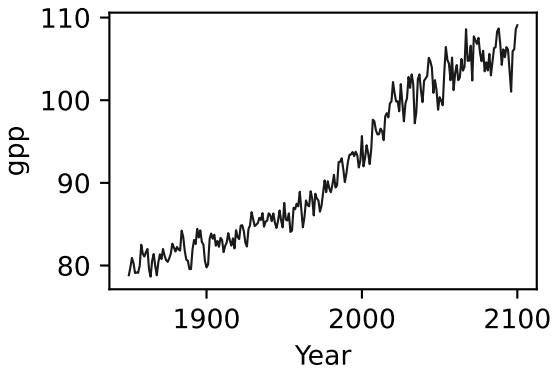
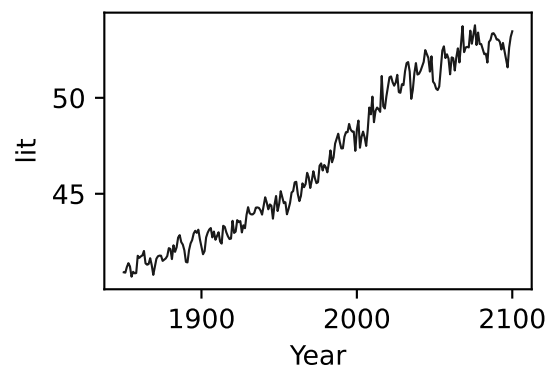

ACCESS-ESM1-5, ssp245, GPP
catm
600
500
400
300
1900
2000
2100
Year

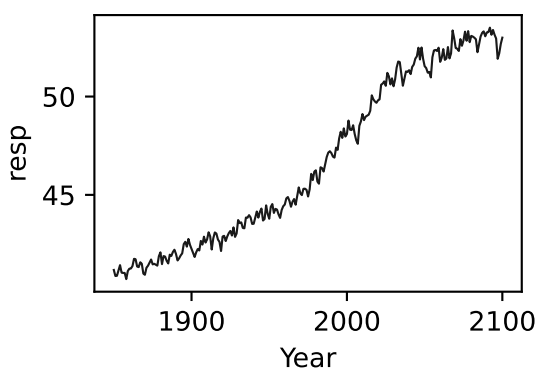

ACCESS-ESM1-5, ssp245, GPP
Tglb
3
2
1
0
1900
2000
2100
Year

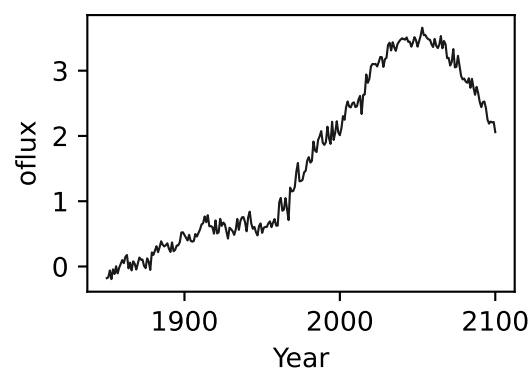

cveg
725
700
675
650
1900
2000
2100
Year

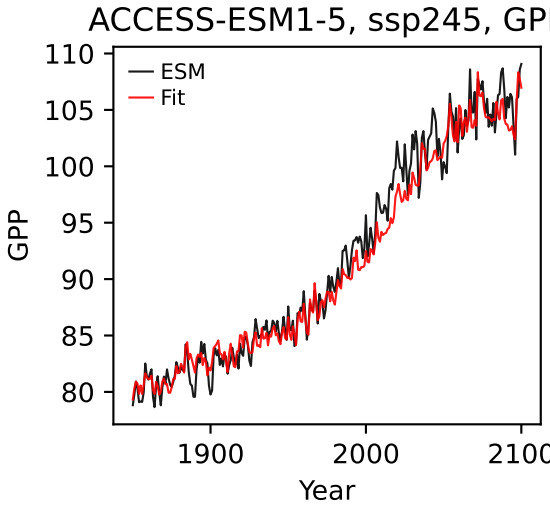

csoil
980
960
940
1900
2000
2100
Year

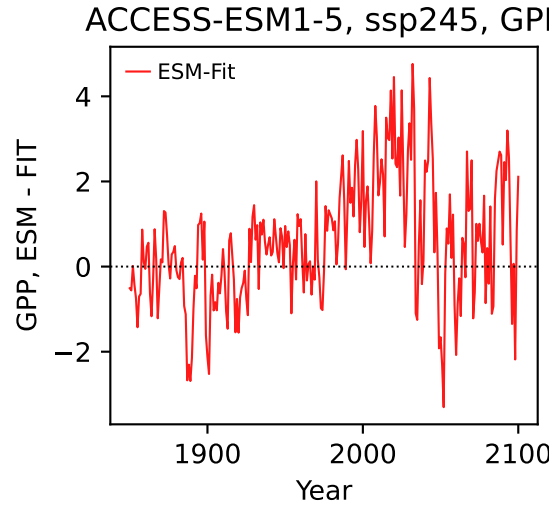

gpp
110
100
90
80
1900
2000
2100
Year

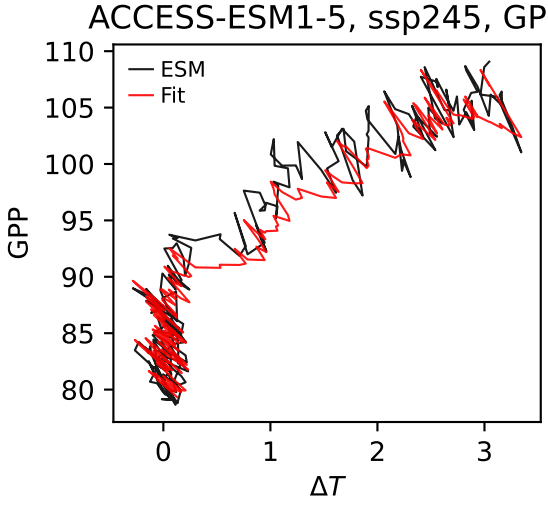

lit
50
45
1900
2000
2100
Year

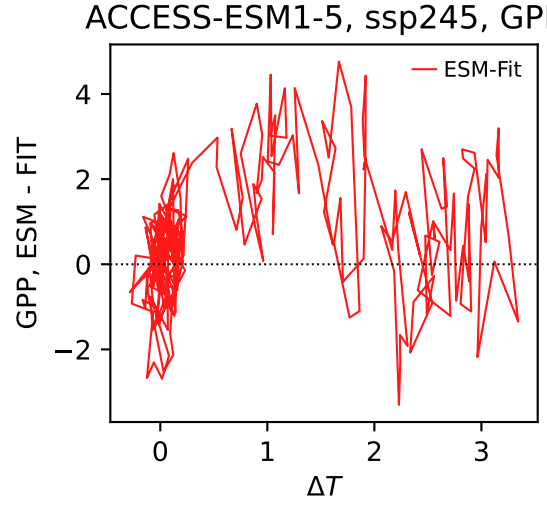

resp
50
45
1900
2000
2100
Year

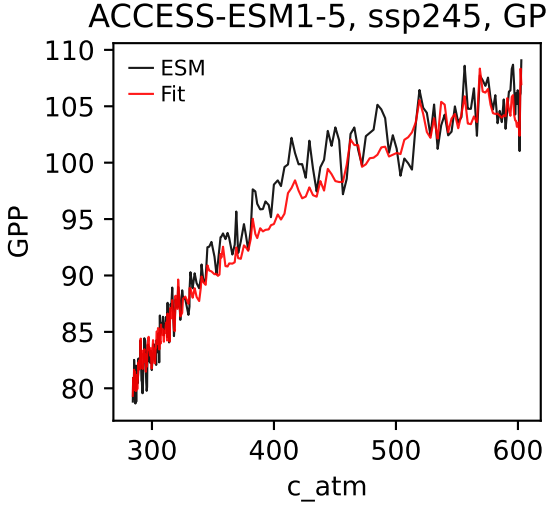

oflux
3
2
1
0
1900
2000
2100
Year

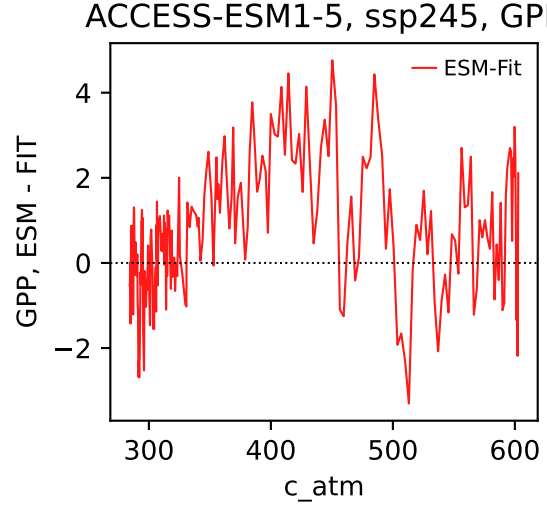

ACCESS-ESM1-5, ssp245, GPP
ESM
Fit
GPP
Year

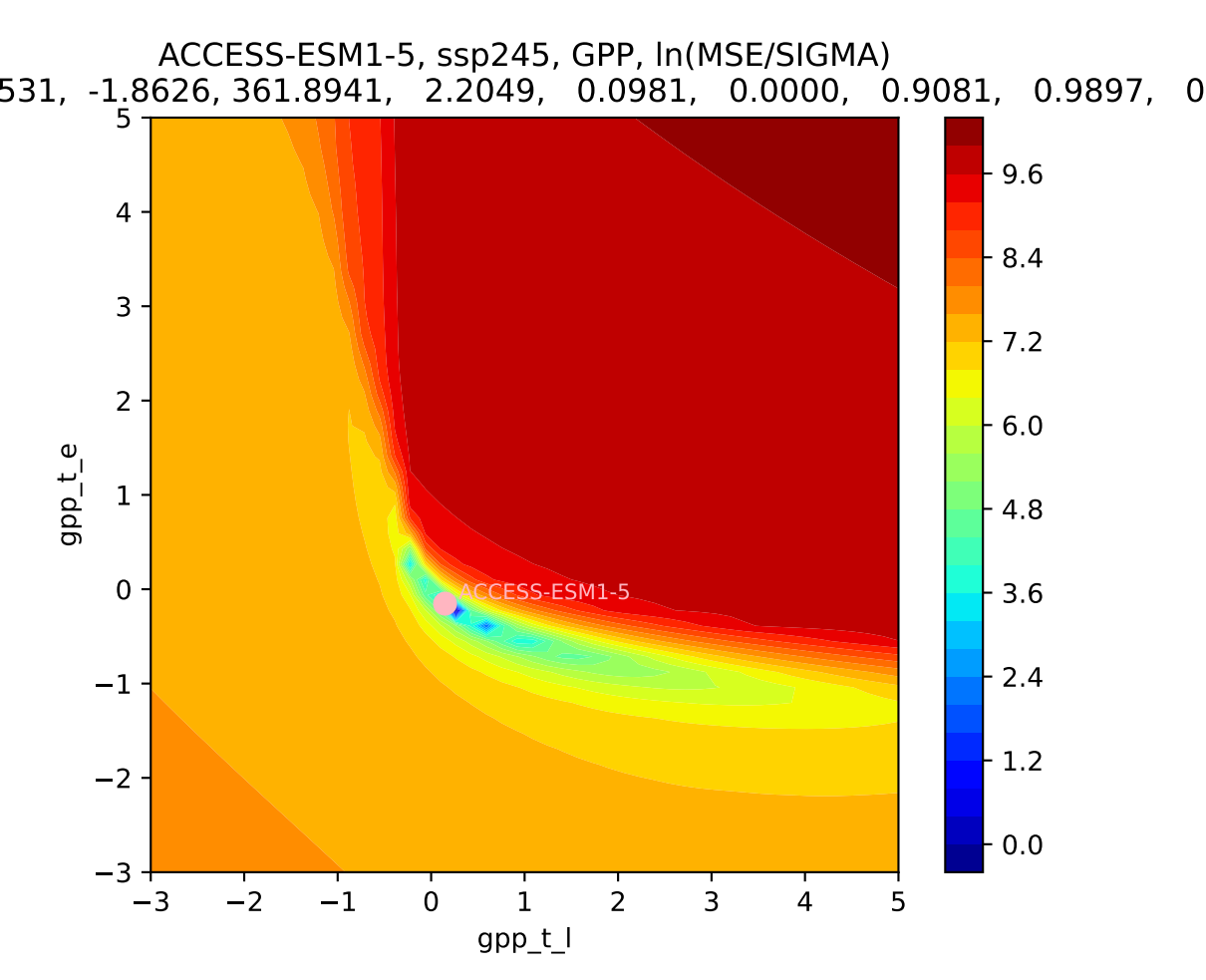

ACCESS-ESM1-5, ssp245, GPP
ESM-Fit
GPP, ESM - FIT
Year

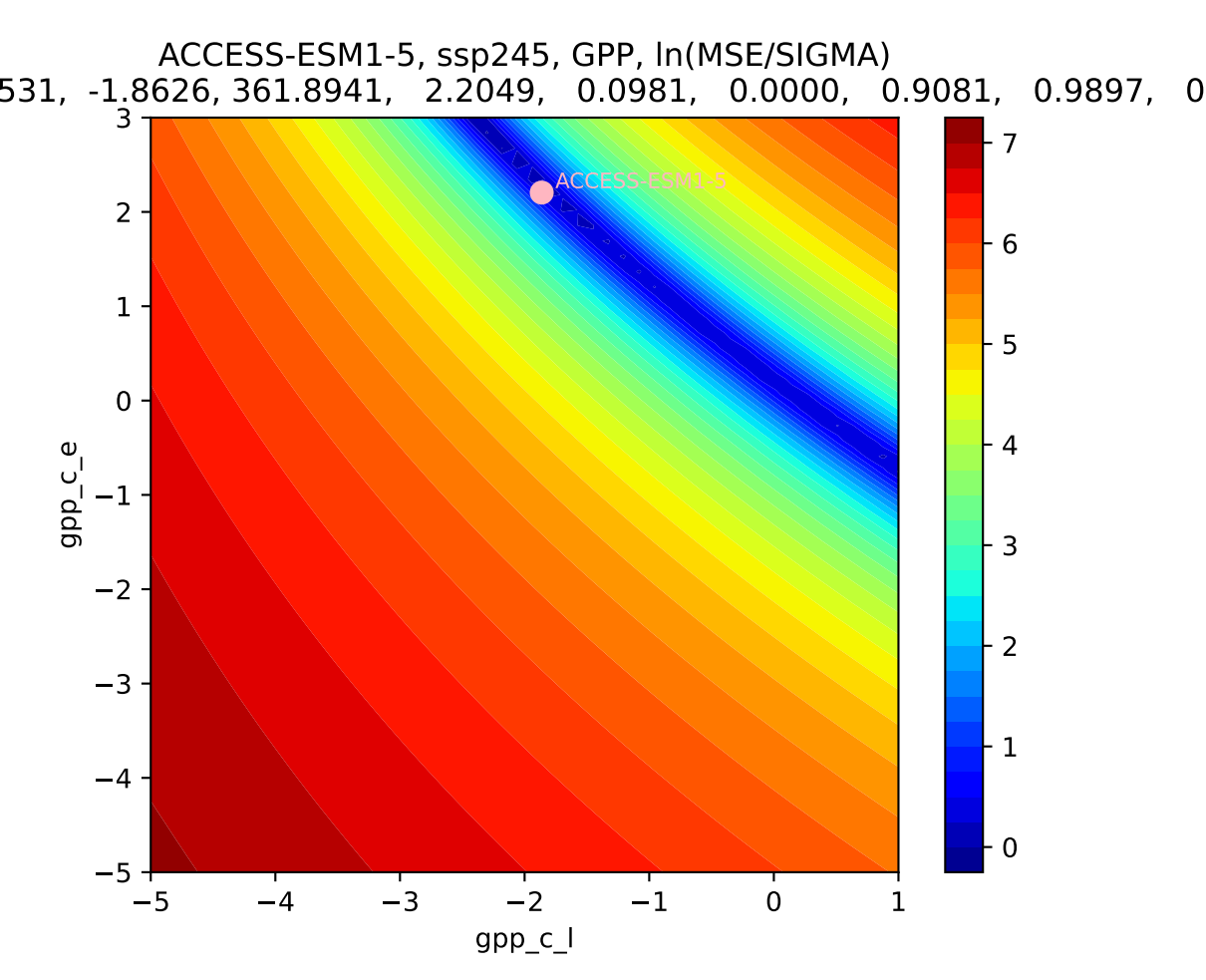

ACCESS-ESM1-5, ssp245, GPP
ESM
Fit
GPP
ΔT

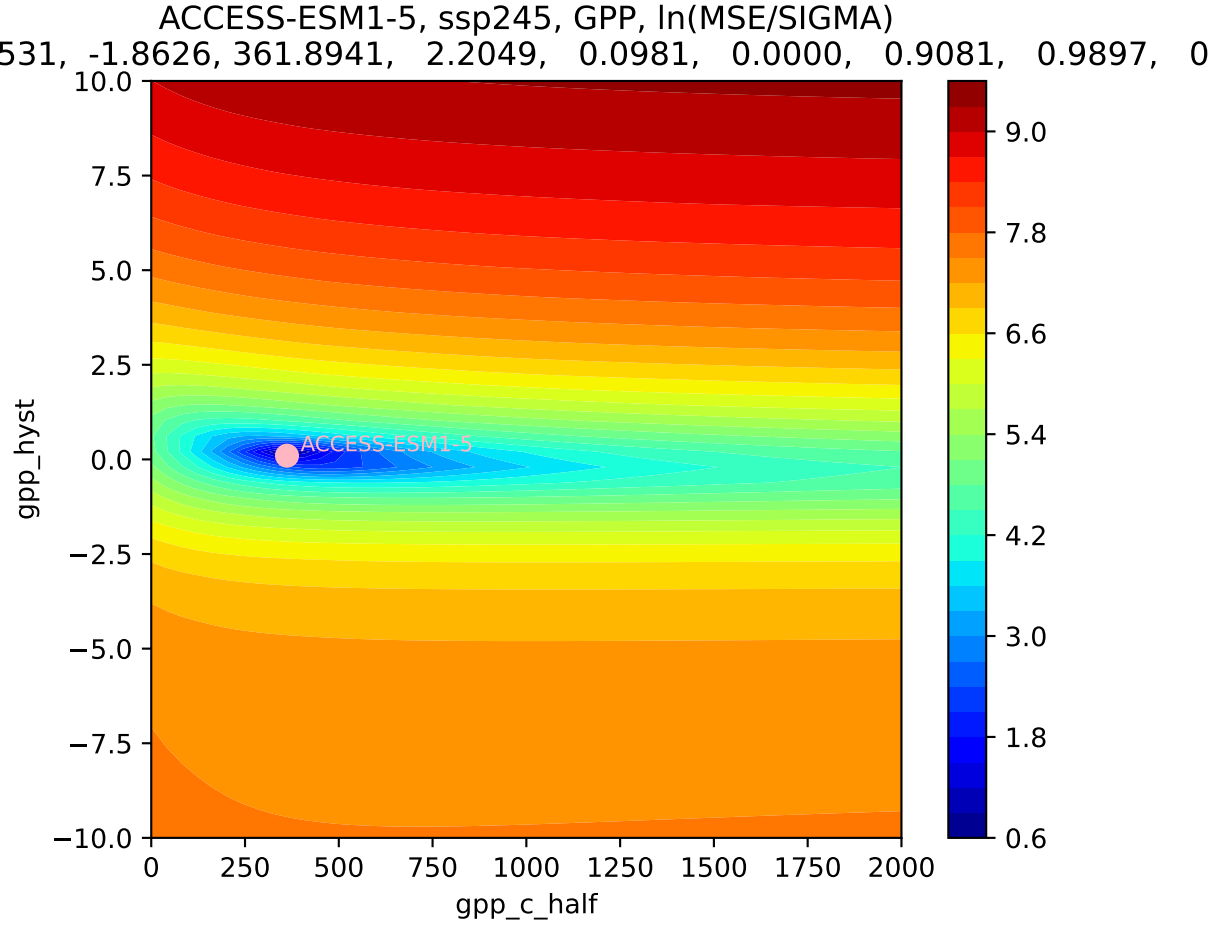

ACCESS-ESM1-5, ssp245, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

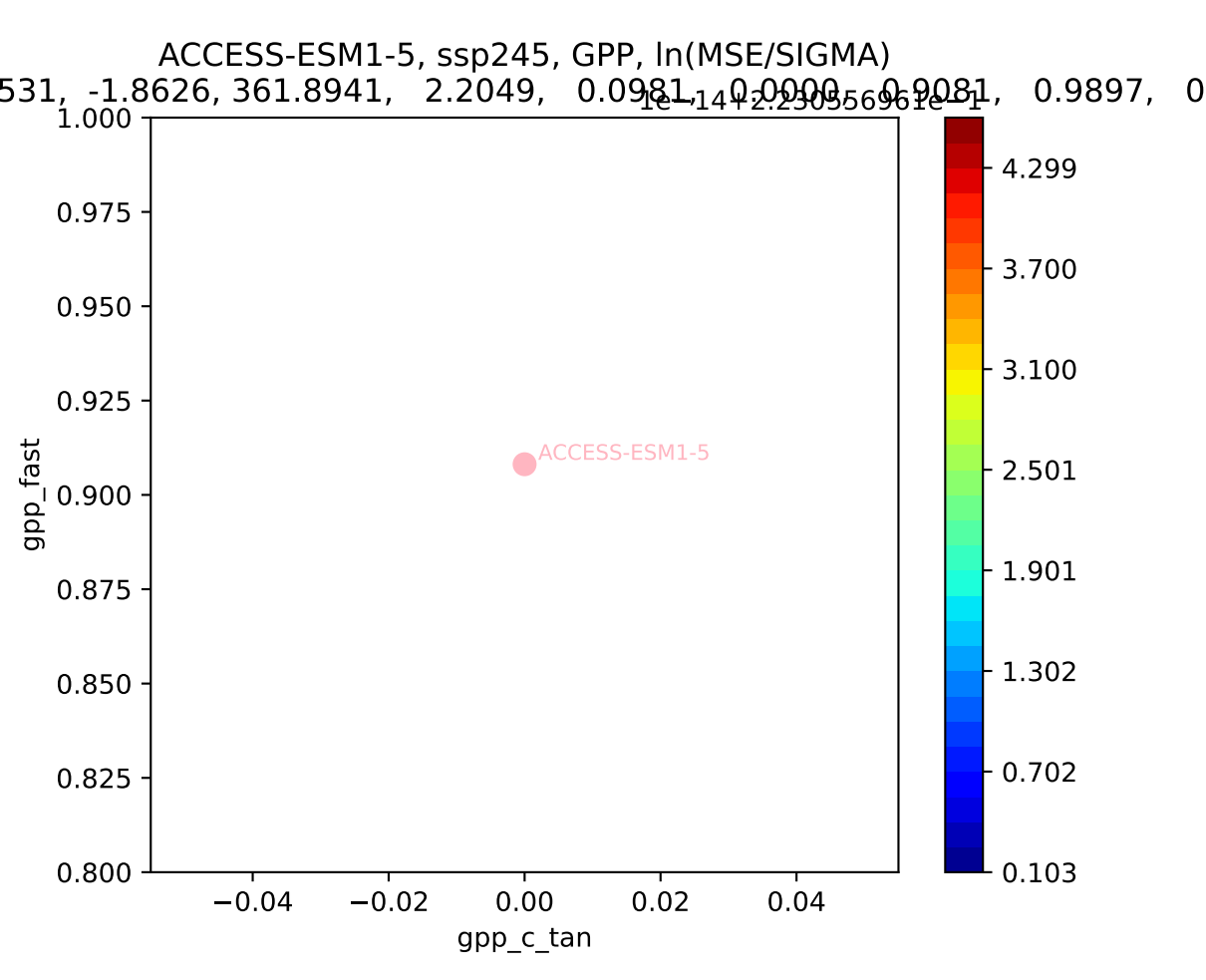

ACCESS-ESM1-5, ssp245, GPP
ESM
Fit
GPP
c_atm

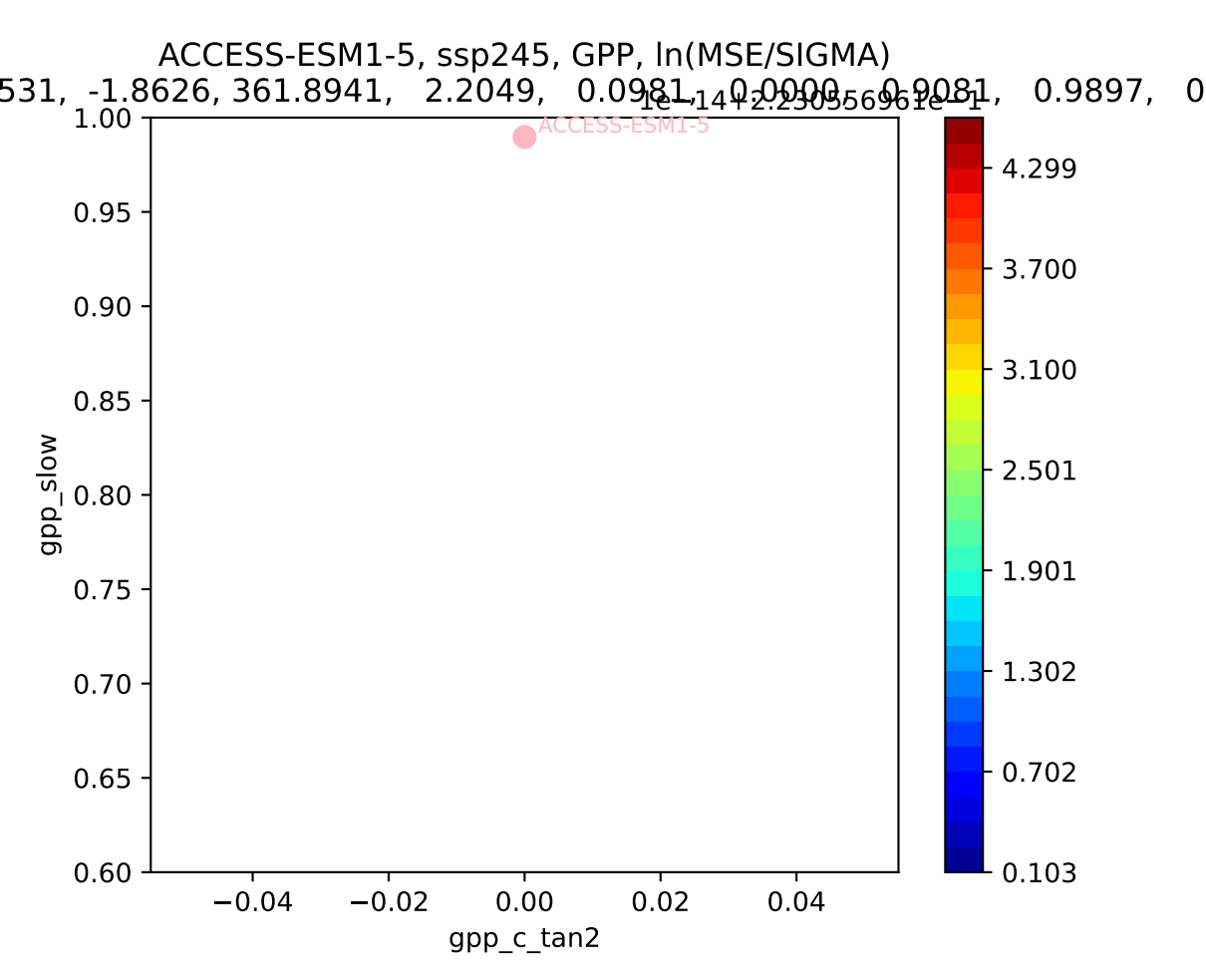

ACCESS-ESM1-5, ssp245, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

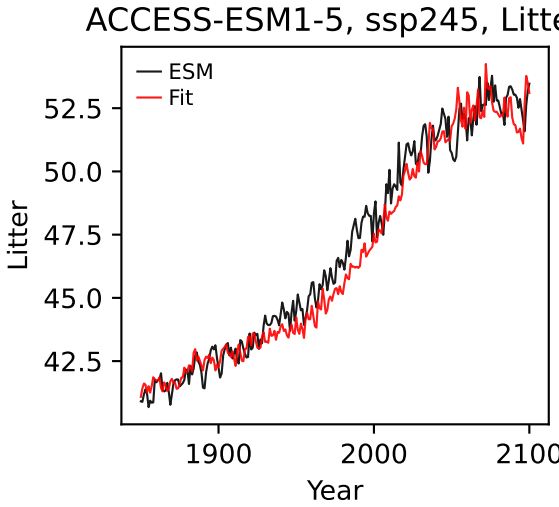

ACCESS-ESM1-5, ssp245, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8941, 2.2049, 0.0981, 0.0000, 0.9081, 0.9897, 0
ACCESS-ESM1-5
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

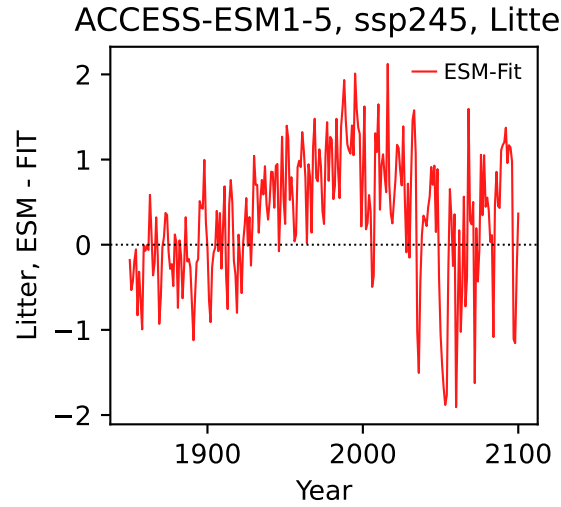

ACCESS-ESM1-5, ssp245, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8941, 2.2049, 0.0981, 0.0000, 0.9081, 0.9897, 0
ACCESS-ESM1-5
gpp_c_e
gpp_c_l
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
7
6
5
4
3
2
1
0

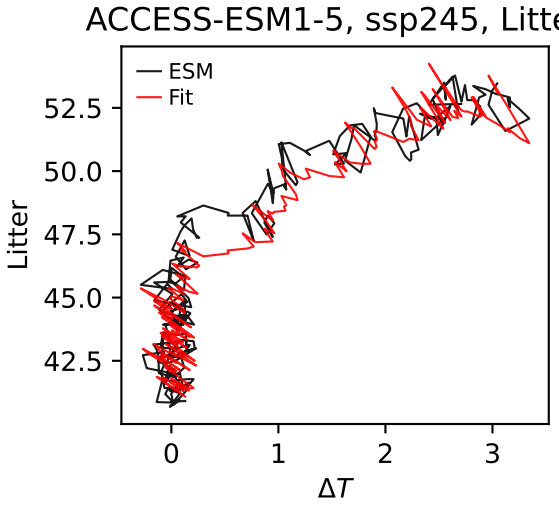

ACCESS-ESM1-5, ssp245, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8941, 2.2049, 0.0981, 0.0000, 0.9081, 0.9897, 0
ACCESS-ESM1-5
gpp_hyst
gpp_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
9.0
7.8
6.6
5.4
4.2
3.0
1.8
0.6

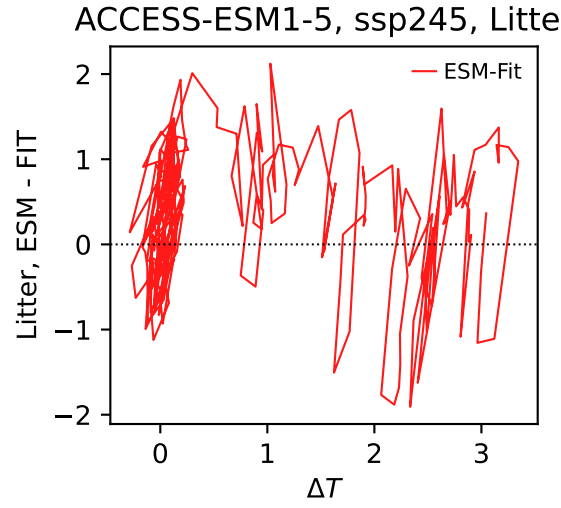

ACCESS-ESM1-5, ssp245, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8941, 2.2049, 0.0981, 0.0000, 0.9081, 0.9897, 0
1e−14+2.305569e−1
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
gpp_fast
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
gpp_c_tan
4.299
3.700
3.100
2.501
1.901
1.302
0.702
0.103

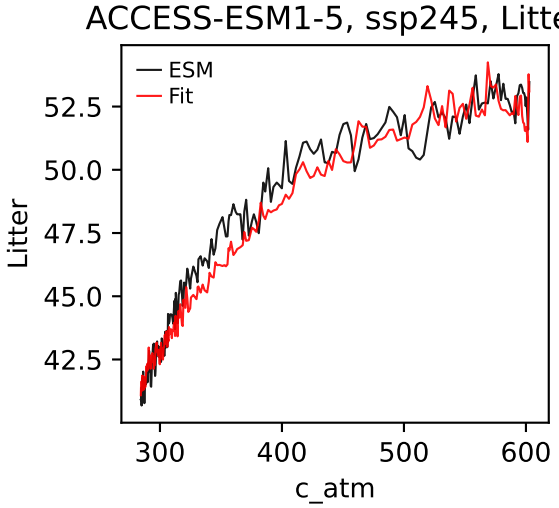

ACCESS-ESM1-5, ssp245, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8941, 2.2049, 0.0981, 0.0000, 0.9081, 0.9897, 0
1e−14+2.305569e−1
ACCESS-ESM1-5
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
gpp_slow
−0.04
−0.02
0.00
0.02
0.04
gpp_c_tan2
4.299
3.700
3.100
2.501
1.901
1.302
0.702
0.103

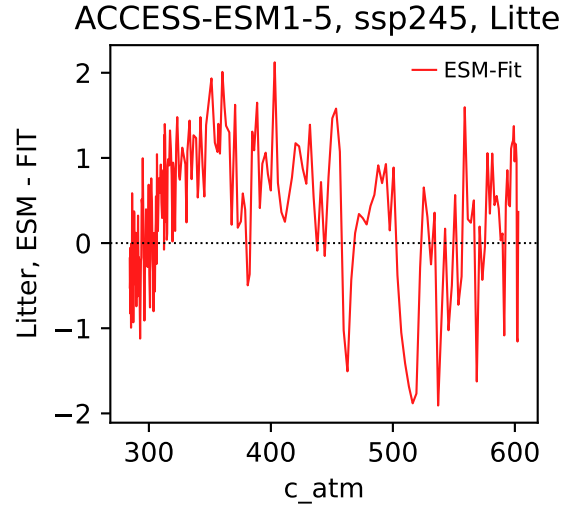

ACCESS-ESM1-5, ssp245, Litter
ESM
Fit
Litter
Year

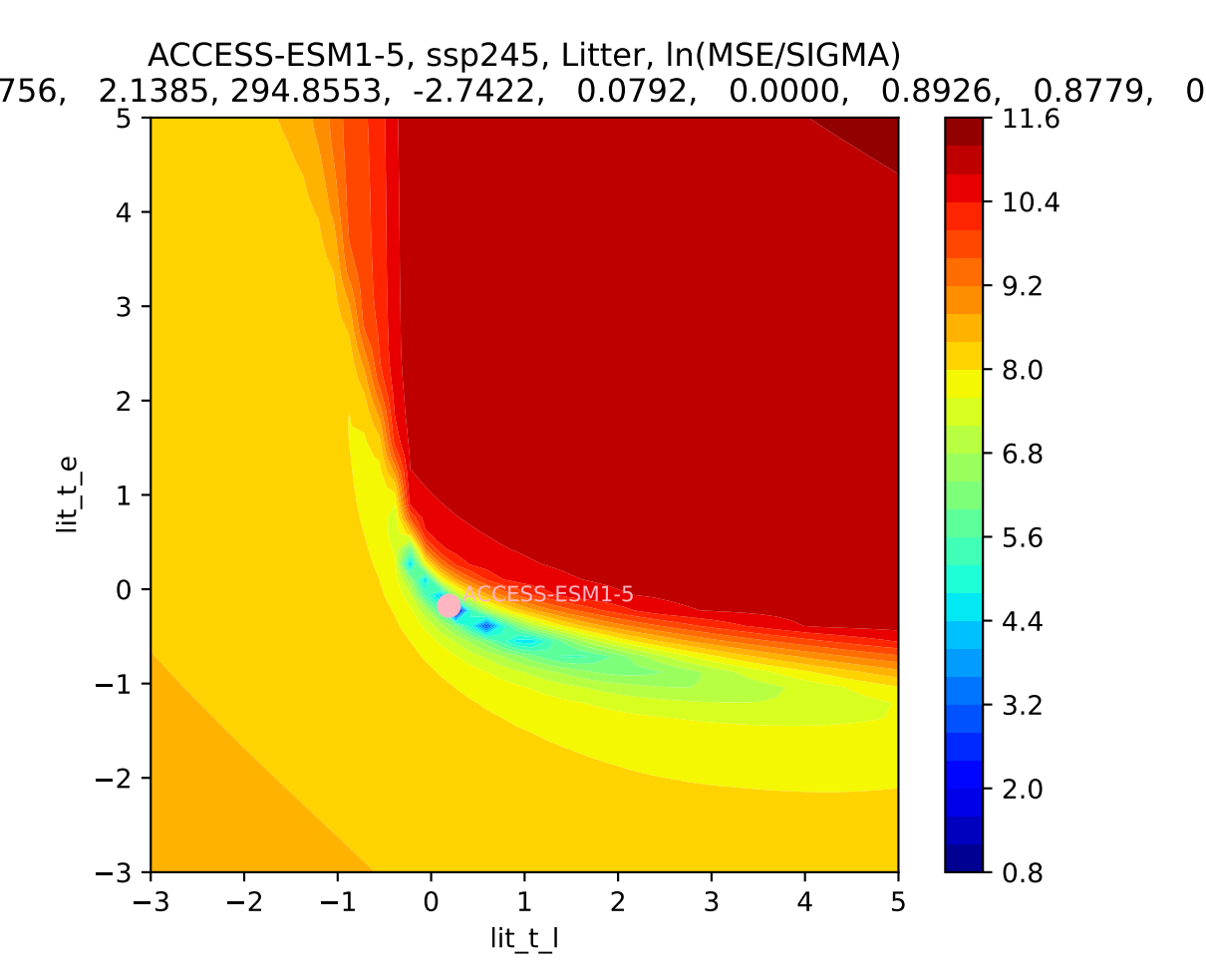

ACCESS-ESM1-5, ssp245, Litter
ESM-Fit
Litter, ESM - FIT
Year

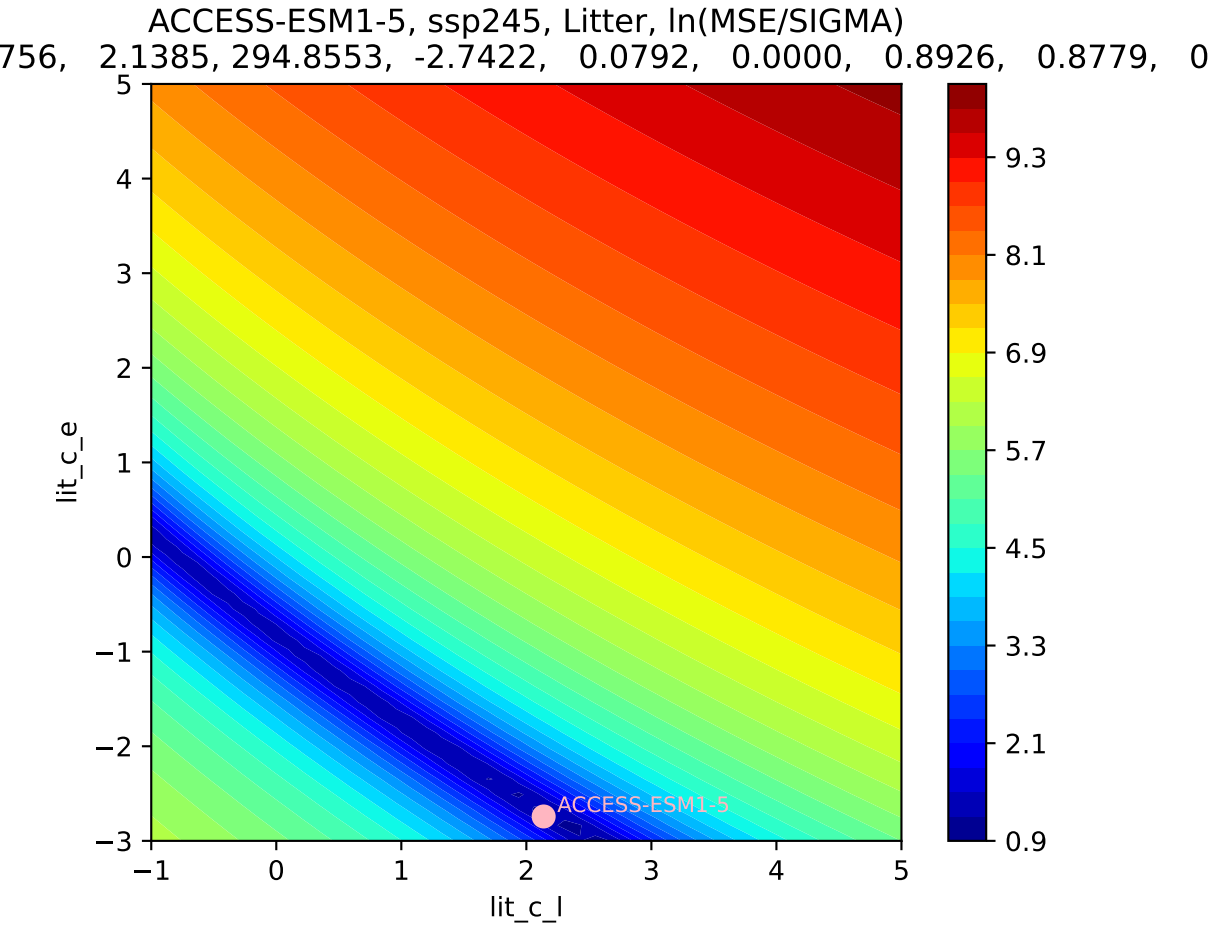

ACCESS-ESM1-5, ssp245, Litter
ESM
Fit
Litter
ΔT

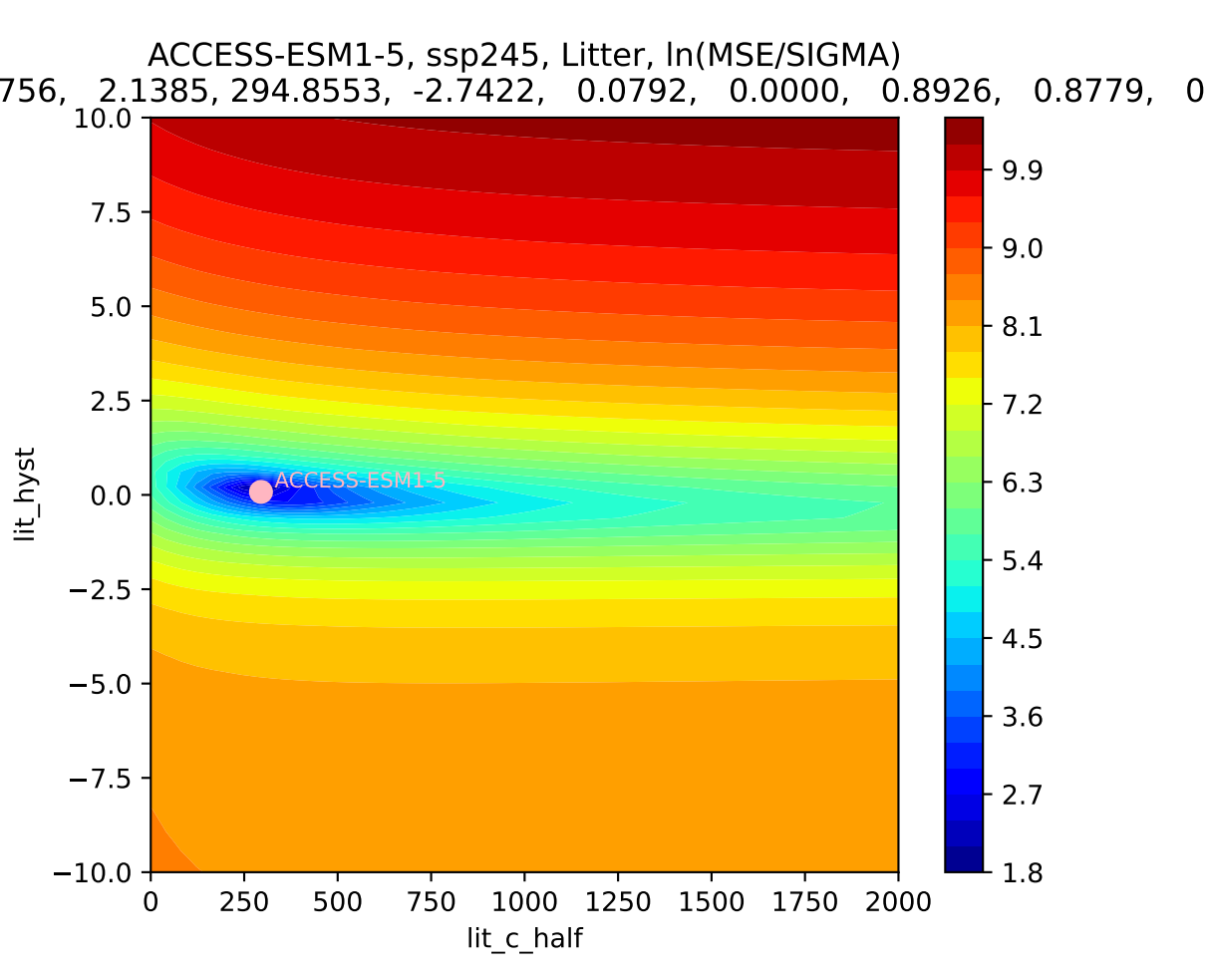

ACCESS-ESM1-5, ssp245, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

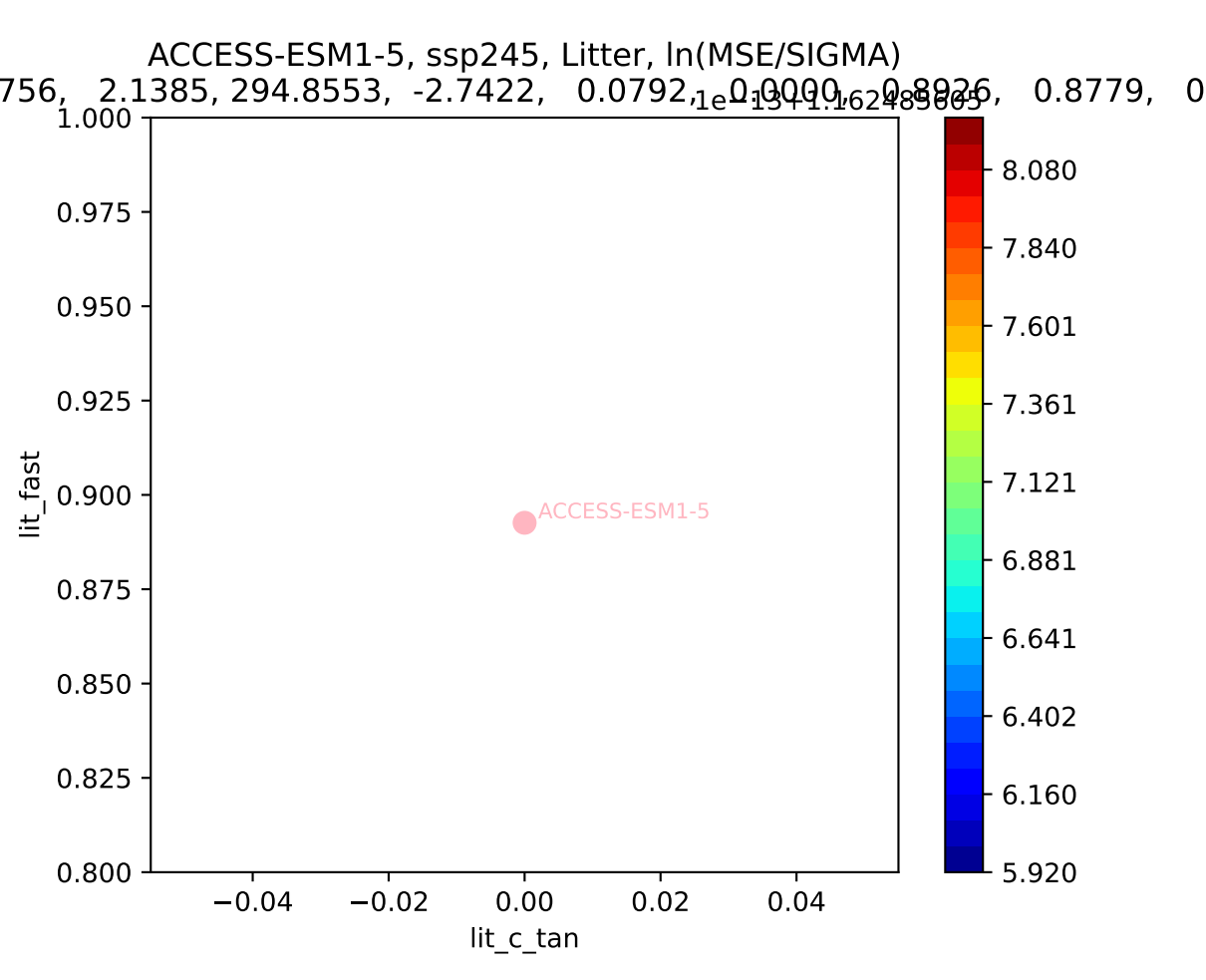

ACCESS-ESM1-5, ssp245, Litter
ESM
Fit
Litter
c_atm

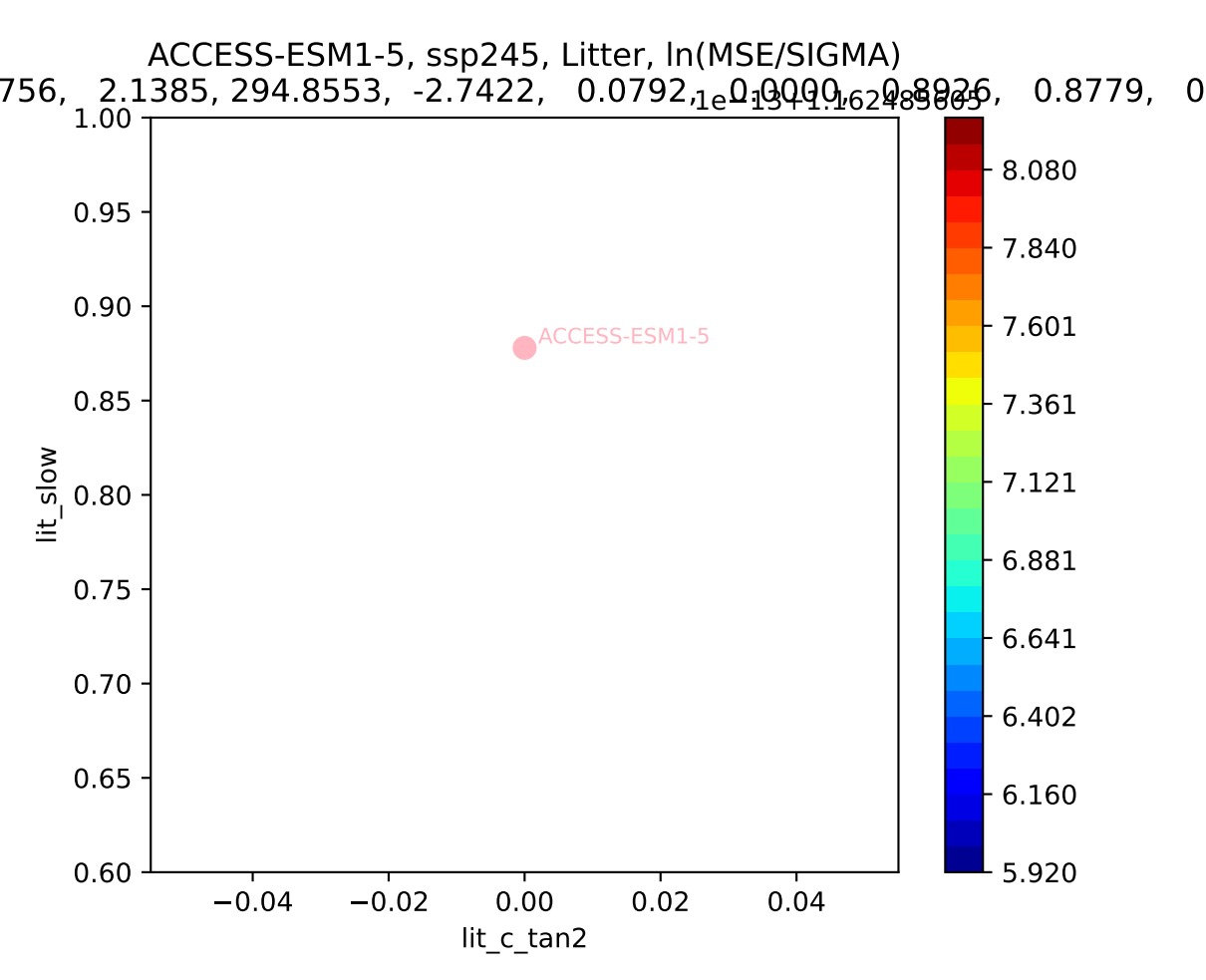

ACCESS-ESM1-5, ssp245, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

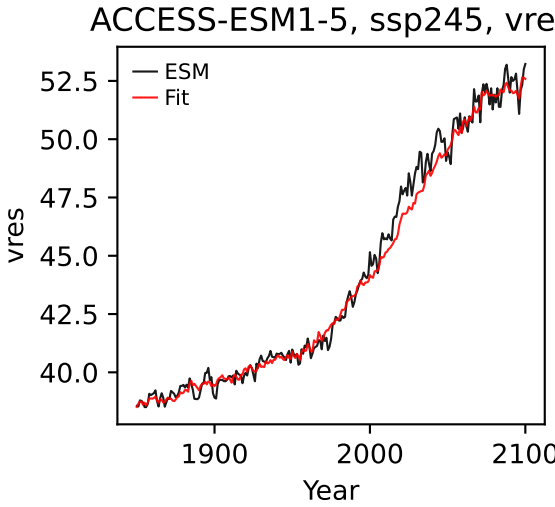

ACCESS-ESM1-5, ssp245, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8553, -2.7422, 0.0792, 0.0000, 0.8926, 0.8779, 0
ACCESS-ESM1-5
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
11.6
10.4
9.2
8.0
6.8
5.6
4.4
3.2
2.0
0.8

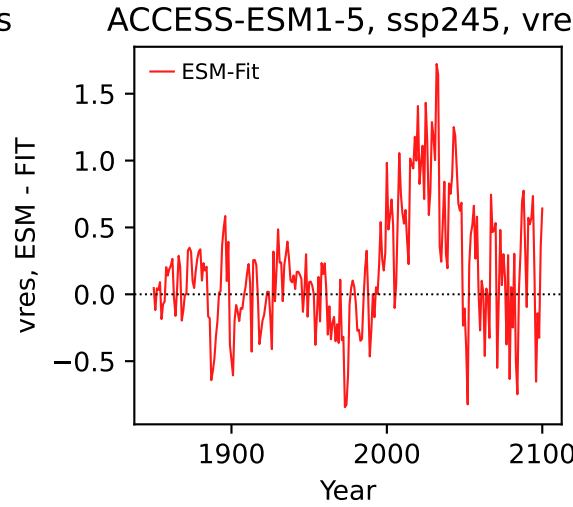

ACCESS-ESM1-5, ssp245, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8553, -2.7422, 0.0792, 0.0000, 0.8926, 0.8779, 0
lit_c_e
lit_c_l
ACCESS-ESM1-5
9.3
8.1
6.9
5.7
4.5
3.3
2.1
0.9

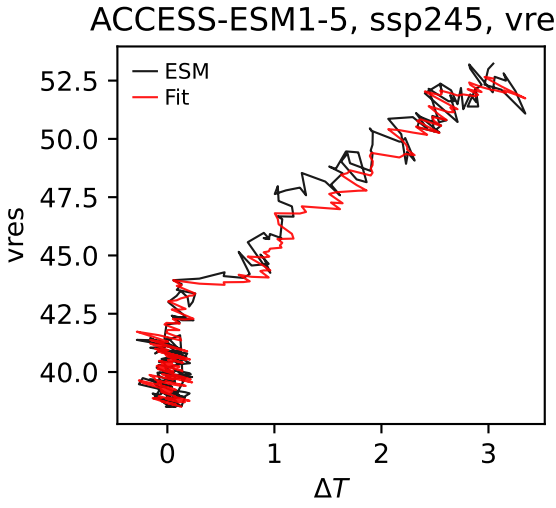

ACCESS-ESM1-5, ssp245, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8553, -2.7422, 0.0792, 0.0000, 0.8926, 0.8779, 0
ACCESS-ESM1-5
lit_hyst
lit_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
9.9
9.0
8.1
7.2
6.3
5.4
4.5
3.6
2.7
1.8

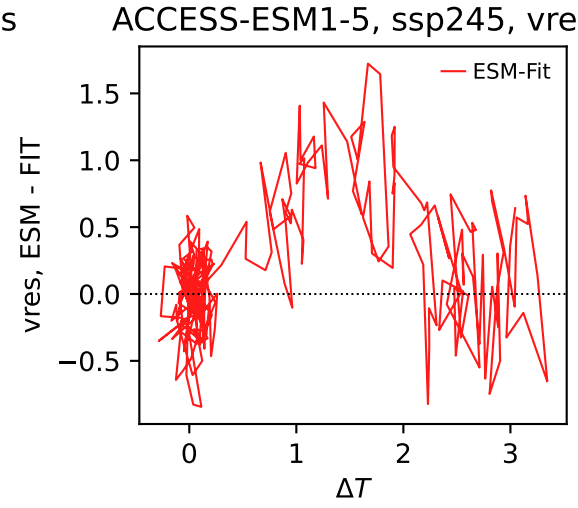

ACCESS-ESM1-5, ssp245, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8553, -2.7422, 0.0792, 0.0000, 0.8926, 0.8779, 0
1e-13+1.162485665
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
lit_fast
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
lit_c_tan
8.080
7.840
7.601
7.361
7.121
6.881
6.641
6.402
6.160
5.920

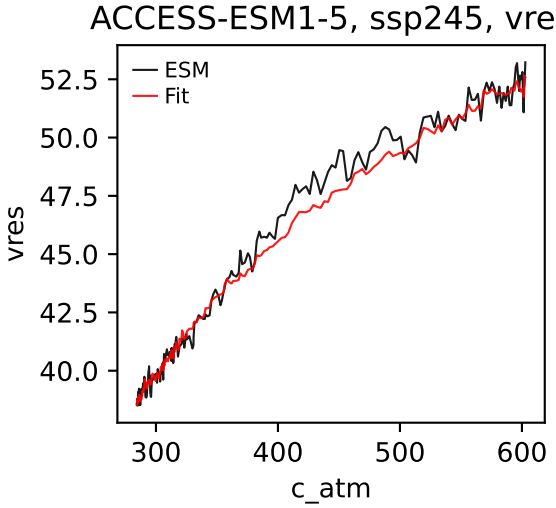

ACCESS-ESM1-5, ssp245, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8553, -2.7422, 0.0792, 0.0000, 0.8926, 0.8779, 0
1e-13+1.162485665
ACCESS-ESM1-5
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
−0.04
−0.02
0.00
0.02
0.04
lit_c_tan2
8.080
7.840
7.601
7.361
7.121
6.881
6.641
6.402
6.160
5.920

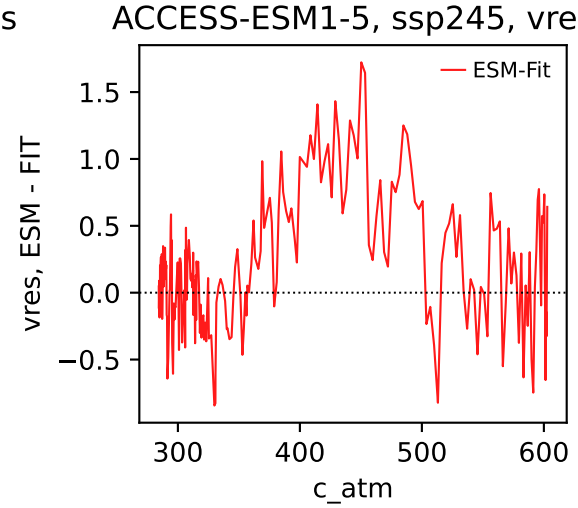

ACCESS-ESM1-5, ssp245, vres
ESM
Fit
vres
Year

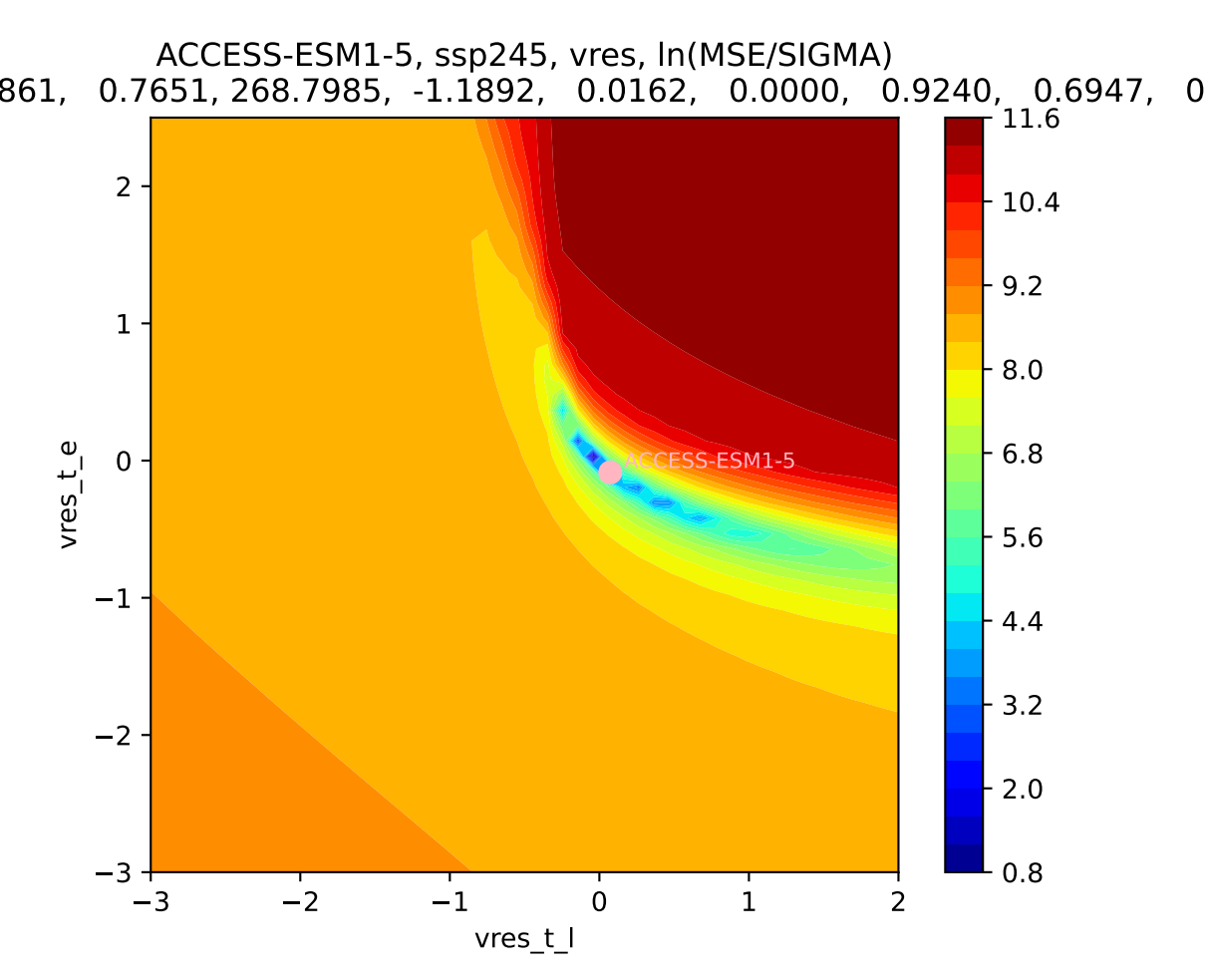

ACCESS-ESM1-5, ssp245, vres
ESM-Fit
vres, ESM - FIT
Year

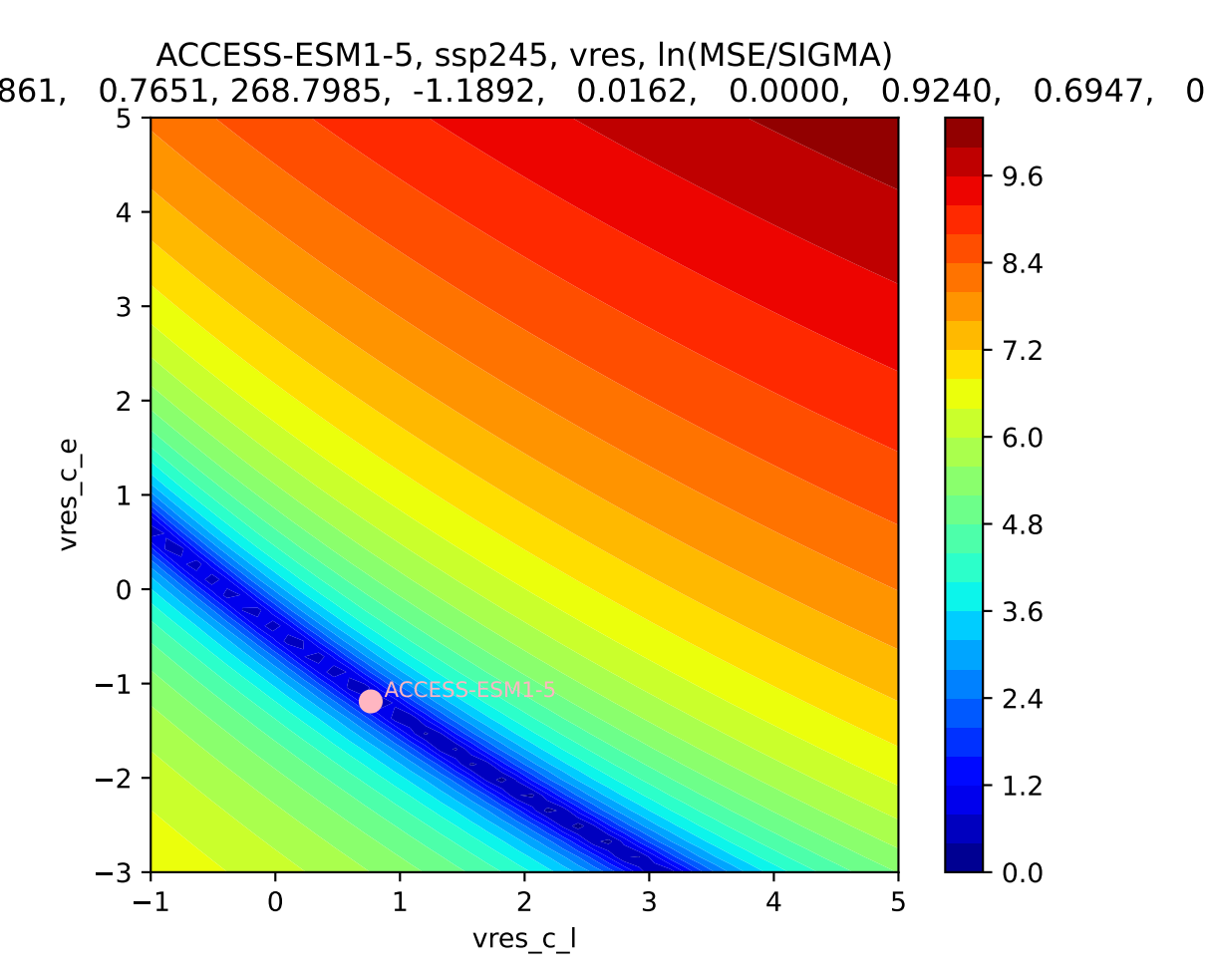

ACCESS-ESM1-5, ssp245, vres
ESM
Fit
vres
ΔT

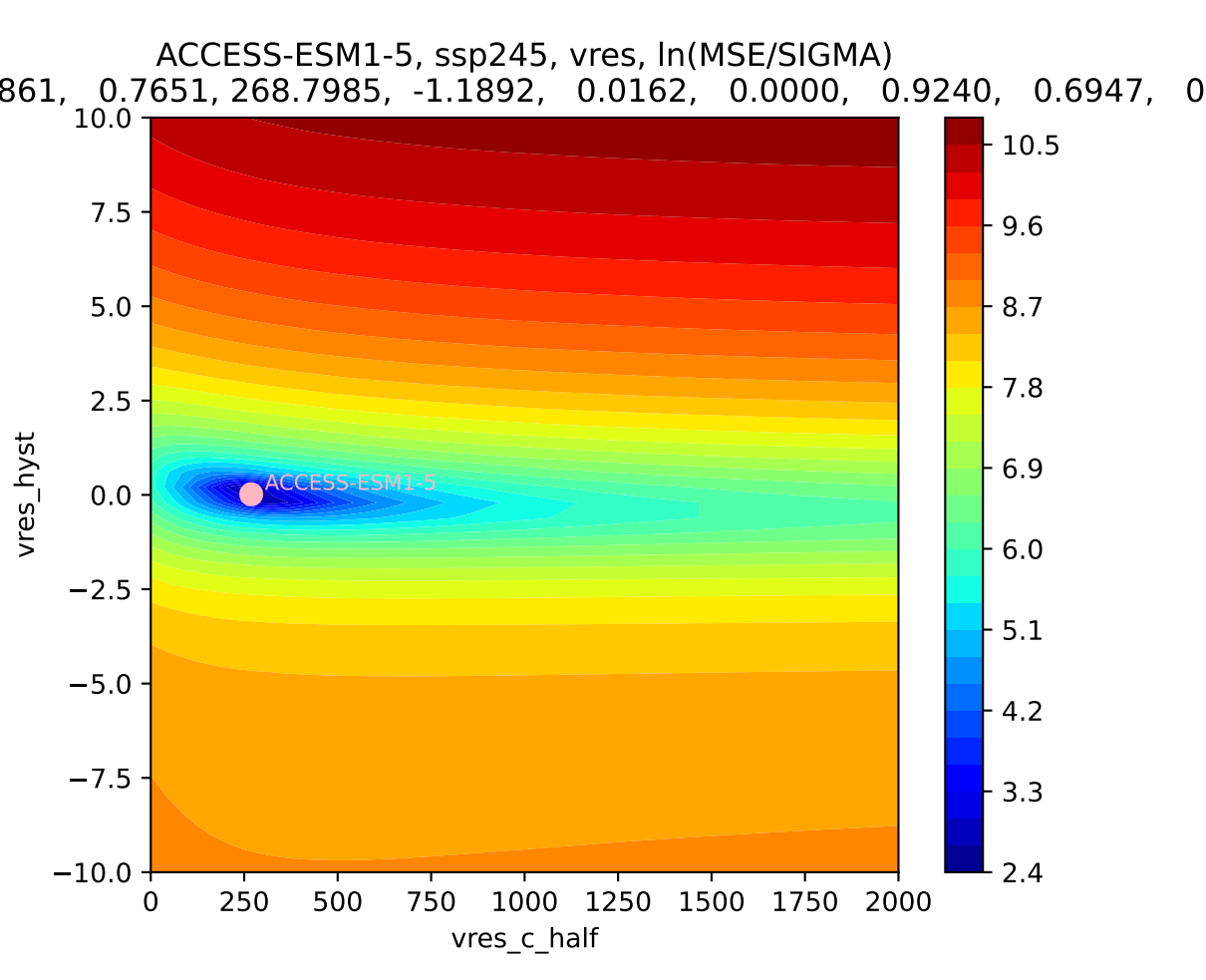

ACCESS-ESM1-5, ssp245, vres
ESM-Fit
vres, ESM - FIT
ΔT

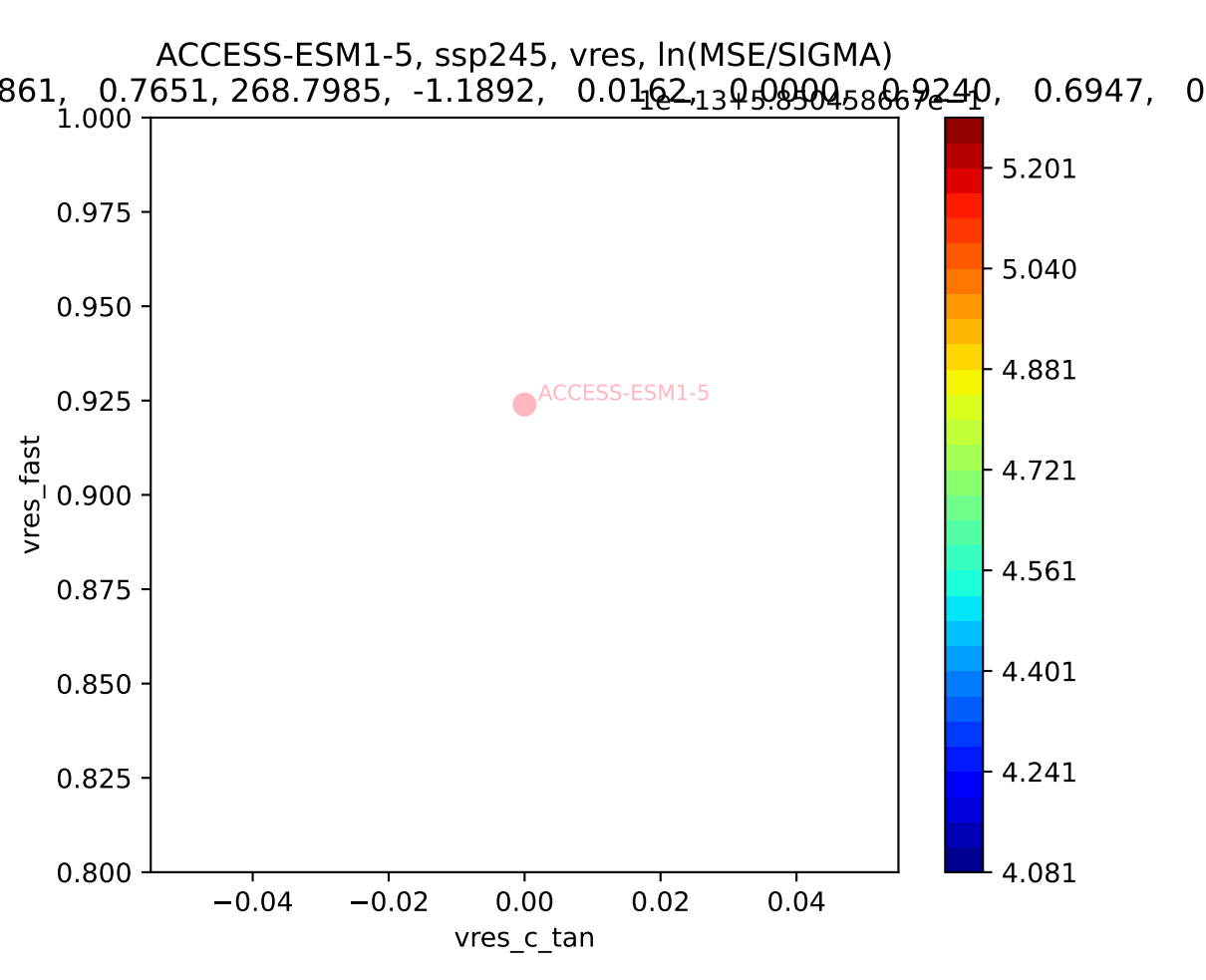

ACCESS-ESM1-5, ssp245, vres
ESM
Fit
vres
c_atm

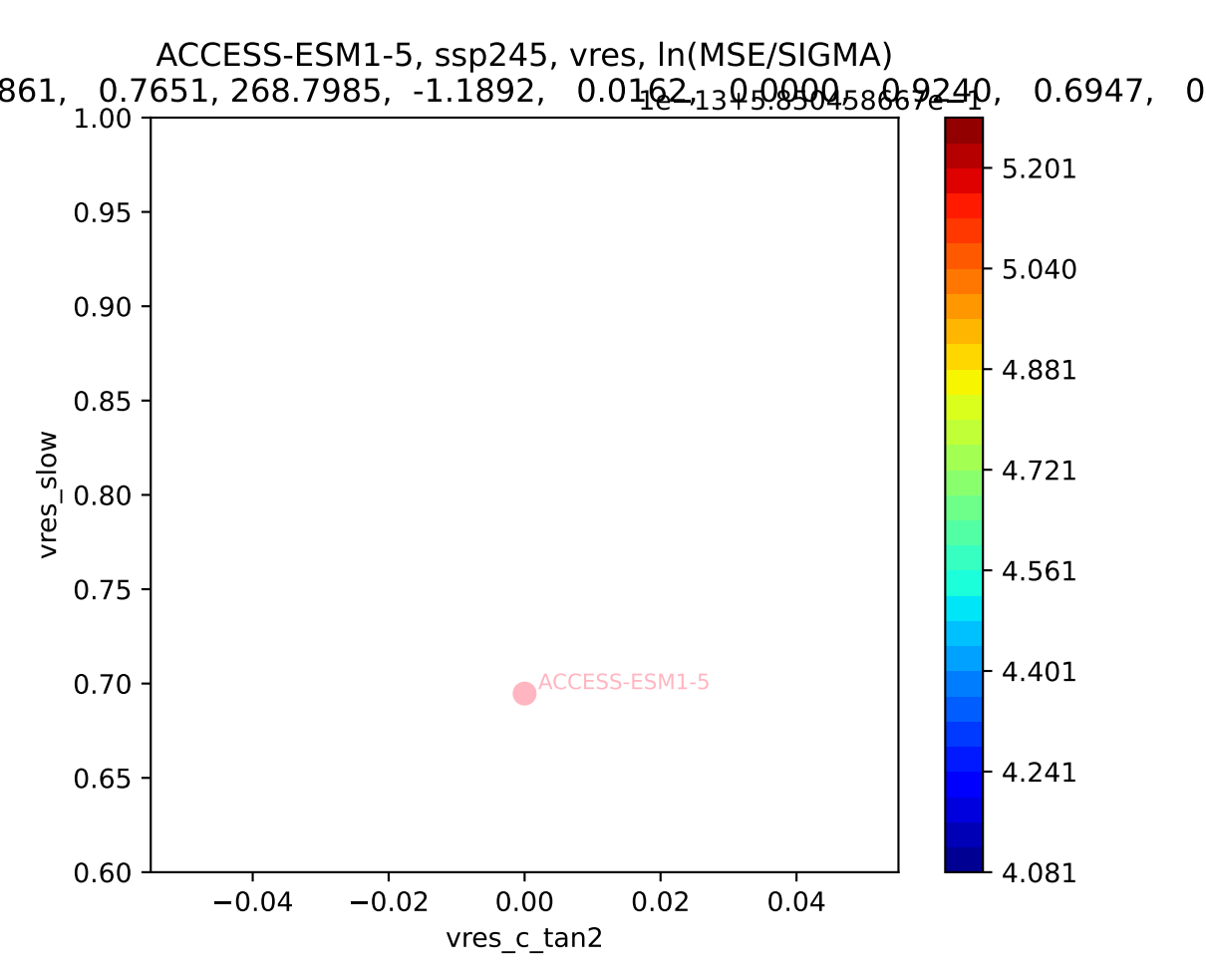

ACCESS-ESM1-5, ssp245, vres
ESM-Fit
vres, ESM - FIT
c_atm

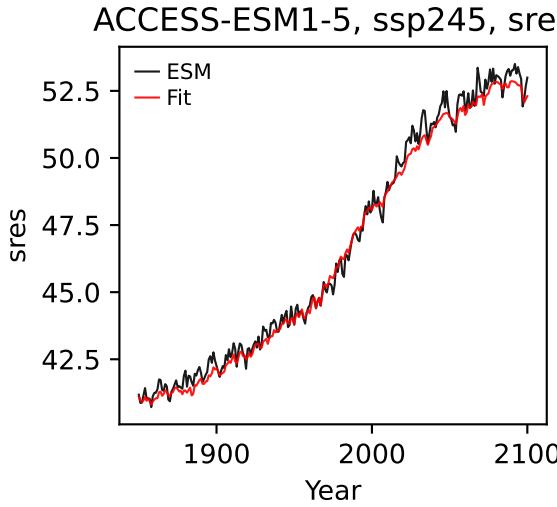

ACCESS-ESM1-5, ssp245, vres, ln(MSE/SIGMA)
861, 0.7651, 268.7985, -1.1892, 0.0162, 0.0000, 0.9240, 0.6947, 0
ACCESS-ESM1-5
vres_t_e
vres_t_l
−3
−2
−1
0
1
2
11.6
10.4
9.2
8.0
6.8
5.6
4.4
3.2
2.0
0.8

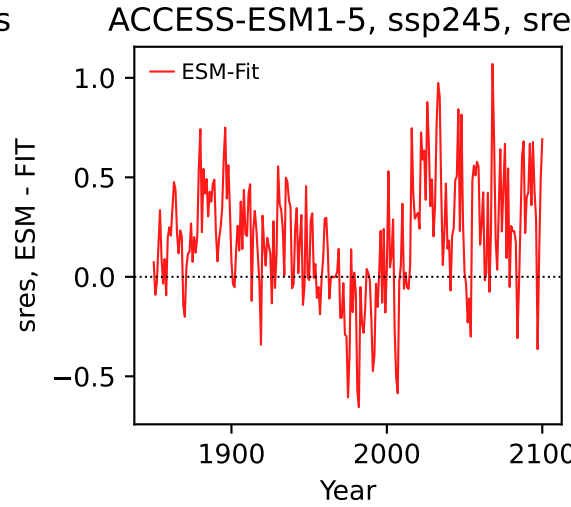

ACCESS-ESM1-5, ssp245, vres, ln(MSE/SIGMA)
861, 0.7651, 268.7985, -1.1892, 0.0162, 0.0000, 0.9240, 0.6947, 0
ACCESS-ESM1-5
vres_c_e
vres_c_l
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

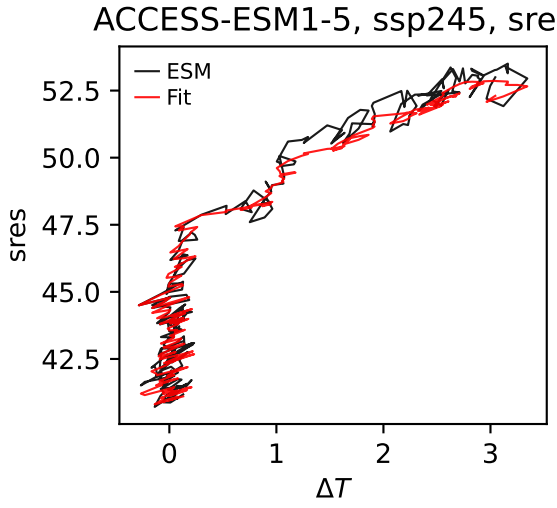

ACCESS-ESM1-5, ssp245, vres, ln(MSE/SIGMA)
861, 0.7651, 268.7985, -1.1892, 0.0162, 0.0000, 0.9240, 0.6947, 0
ACCESS-ESM1-5
vres_hyst
vres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.5
9.6
8.7
7.8
6.9
6.0
5.1
4.2
3.3
2.4

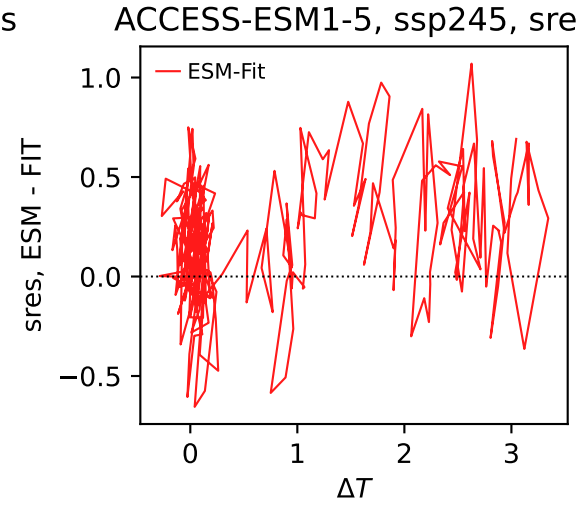

ACCESS-ESM1-5, ssp245, vres, ln(MSE/SIGMA)
861, 0.7651, 268.7985, -1.1892, 0.0162, 0.0000, 0.9240, 0.6947, 0
1e−13+5.850458667e−1
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
vres_fast
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
vres_c_tan
5.201
5.040
4.881
4.721
4.561
4.401
4.241
4.081

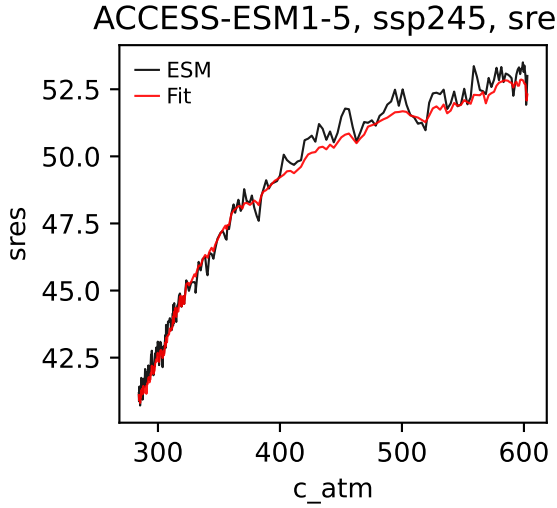

ACCESS-ESM1-5, ssp245, vres, ln(MSE/SIGMA)
861, 0.7651, 268.7985, -1.1892, 0.0162, 0.0000, 0.9240, 0.6947, 0
1e−13+5.850458667e−1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
vres_c_tan2
5.201
5.040
4.881
4.721
4.561
4.401
4.241
4.081

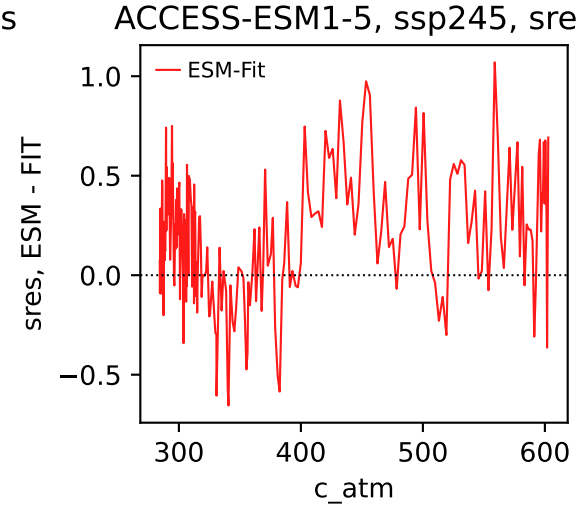

ACCESS-ESM1-5, ssp245, sres
ESM
Fit
sres
52.5
50.0
47.5
45.0
42.5
1900
2000
2100
Year

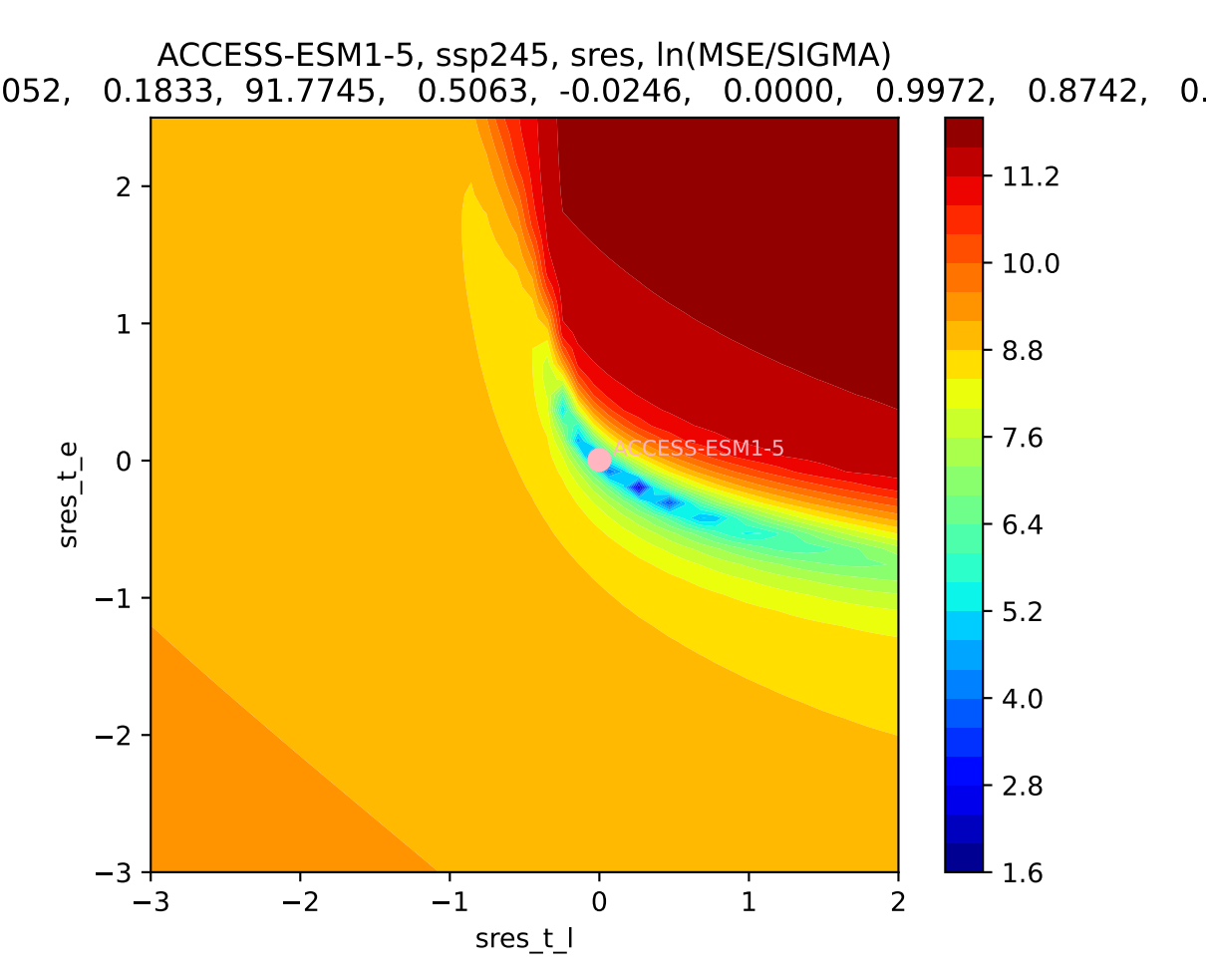

ACCESS-ESM1-5, ssp245, sres
ESM-Fit
sres, ESM - FIT
1.0
0.5
0.0
−0.5
1900
2000
2100
Year

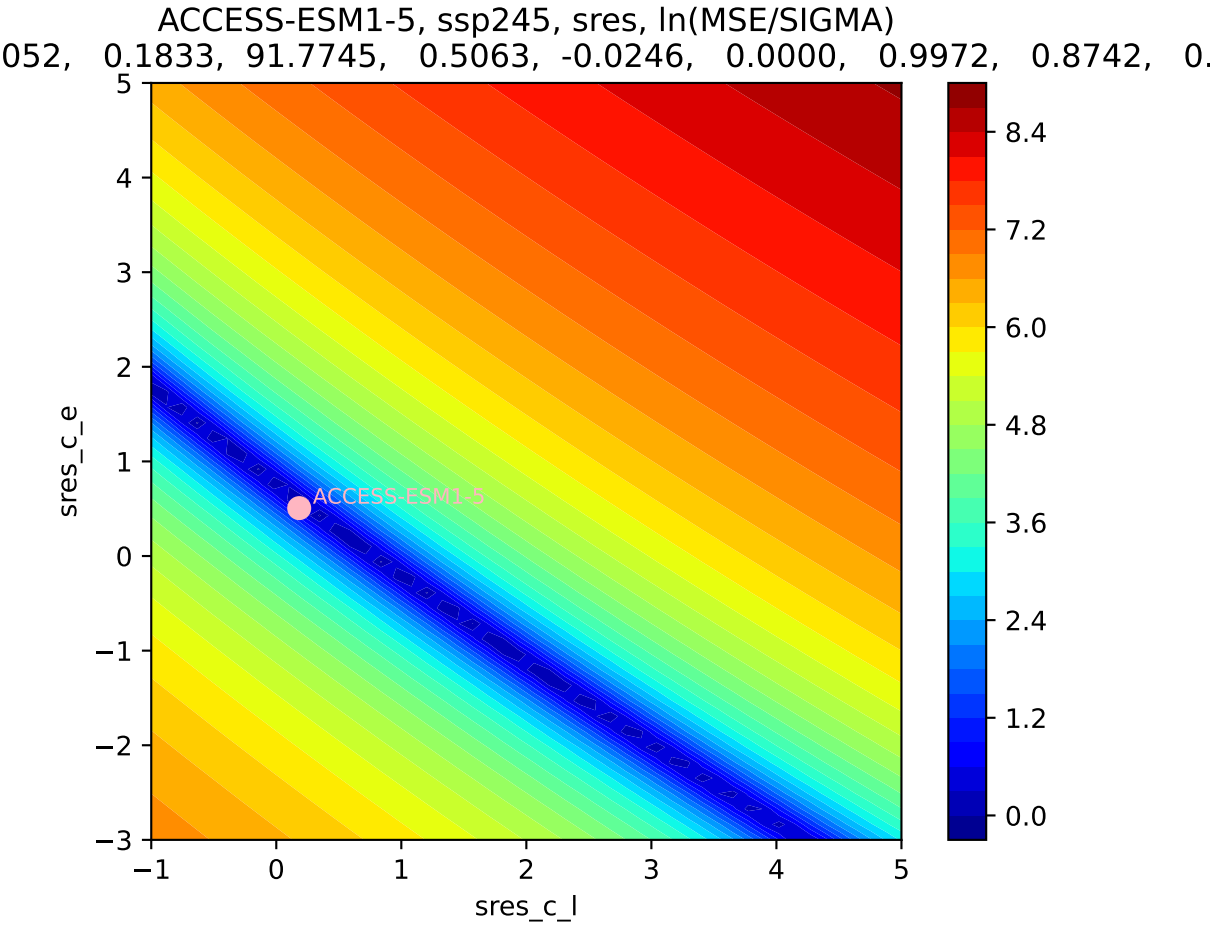

ACCESS-ESM1-5, ssp245, sres
ESM
Fit
sres
52.5
50.0
47.5
45.0
42.5
0
1
2
3
ΔT

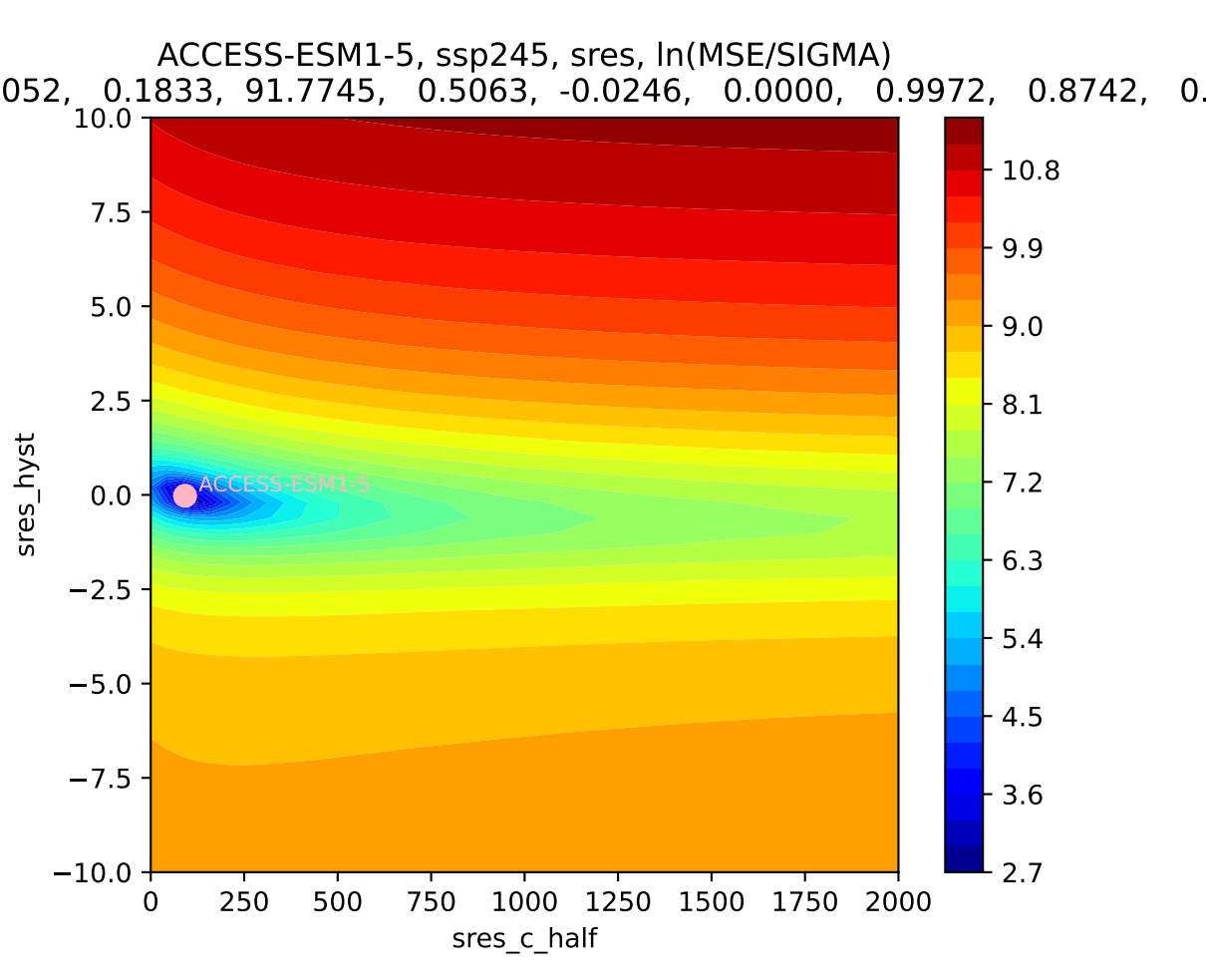

ACCESS-ESM1-5, ssp245, sres
ESM-Fit
sres, ESM - FIT
1.0
0.5
0.0
−0.5
0
1
2
3
ΔT

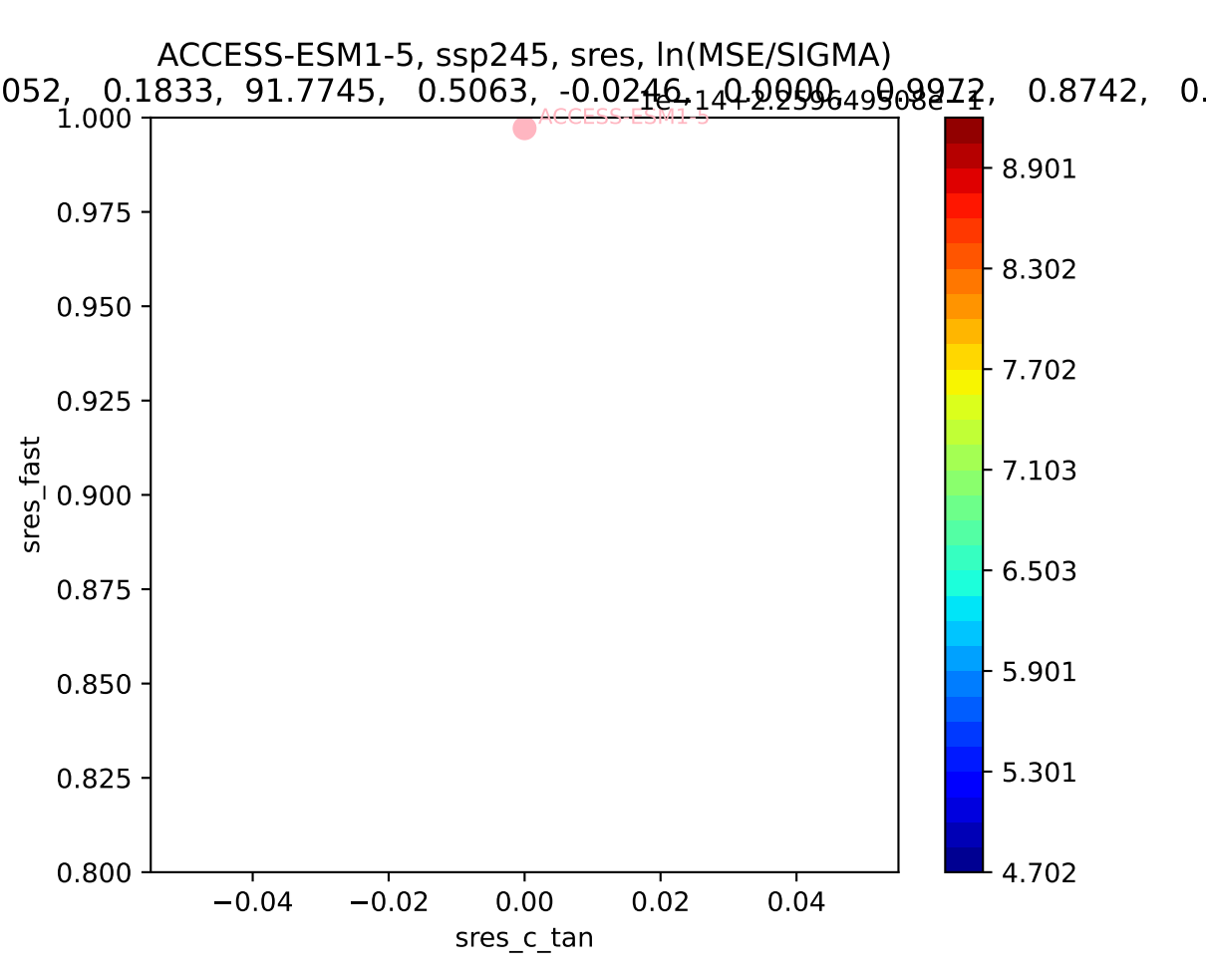

ACCESS-ESM1-5, ssp245, sres
ESM
Fit
sres
52.5
50.0
47.5
45.0
42.5
300
400
500
600
c_atm

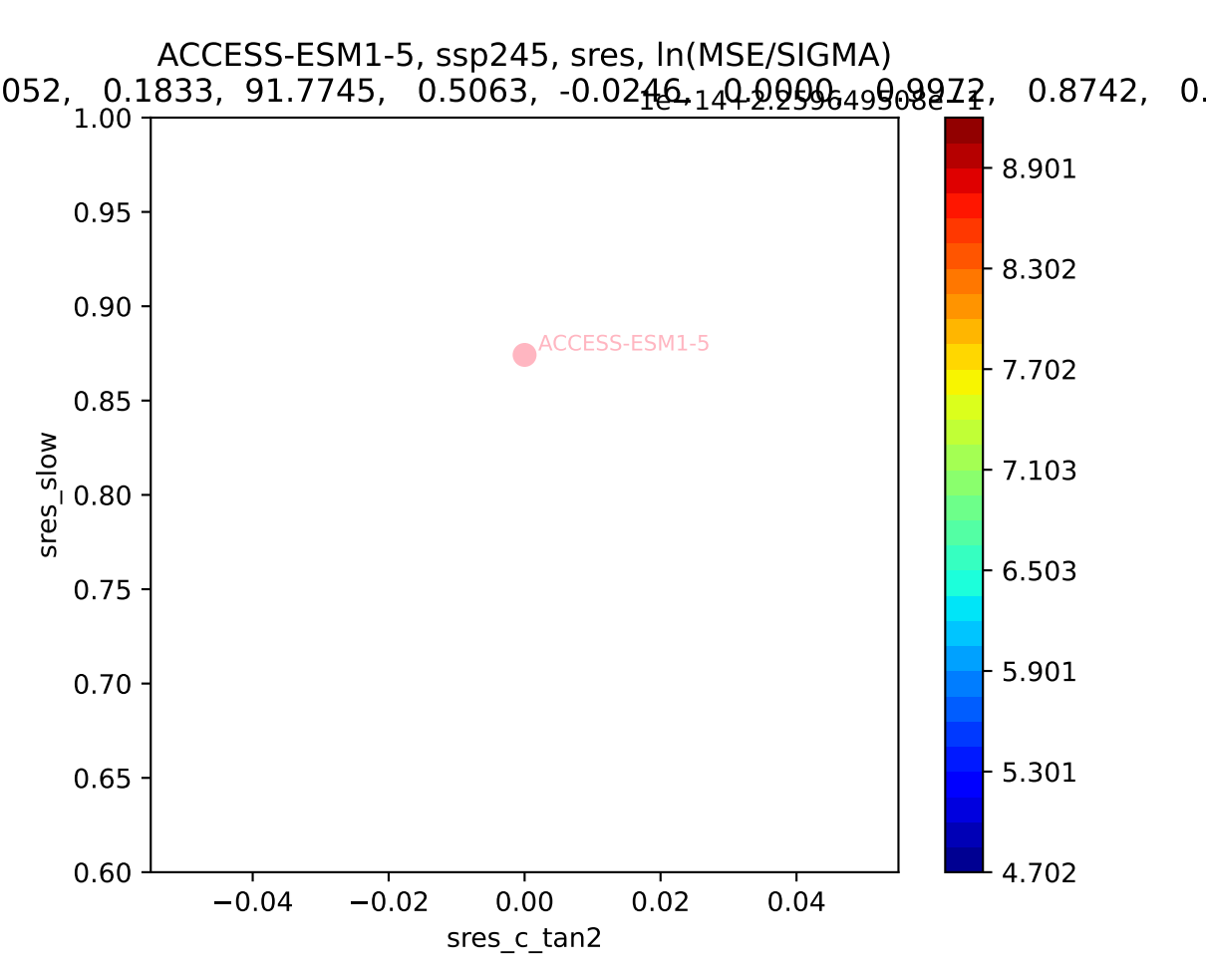

ACCESS-ESM1-5, ssp245, sres
ESM-Fit
sres, ESM - FIT
1.0
0.5
0.0
−0.5
300
400
500
600
c_atm

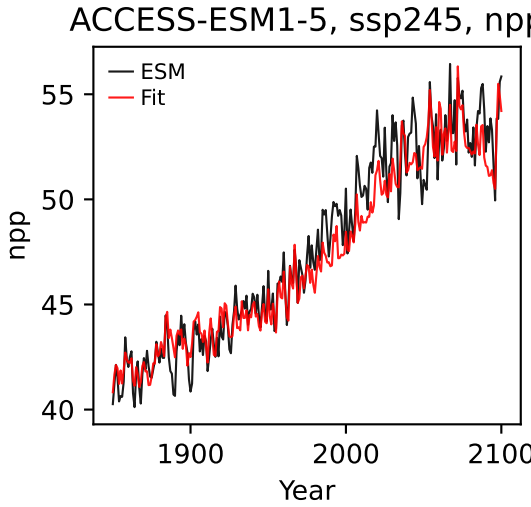

ACCESS-ESM1-5, ssp245, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7745, 0.5063, -0.0246, 0.0000, 0.9972, 0.8742, 0.
ACCESS-ESM1-5
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6

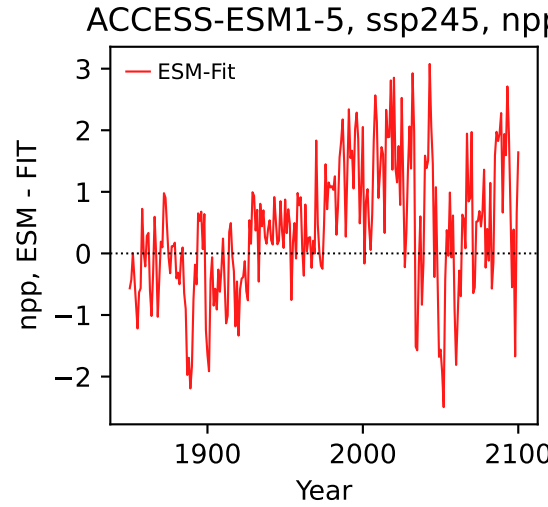

ACCESS-ESM1-5, ssp245, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7745, 0.5063, -0.0246, 0.0000, 0.9972, 0.8742, 0.
ACCESS-ESM1-5
sres_c_e
sres_c_l
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

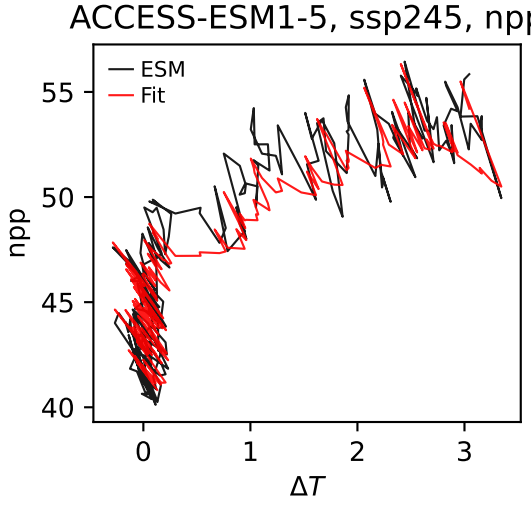

ACCESS-ESM1-5, ssp245, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7745, 0.5063, -0.0246, 0.0000, 0.9972, 0.8742, 0.
ACCESS-ESM1-5
sres_hyst
sres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.8
9.9
9.0
8.1
7.2
6.3
5.4
4.5
3.6
2.7

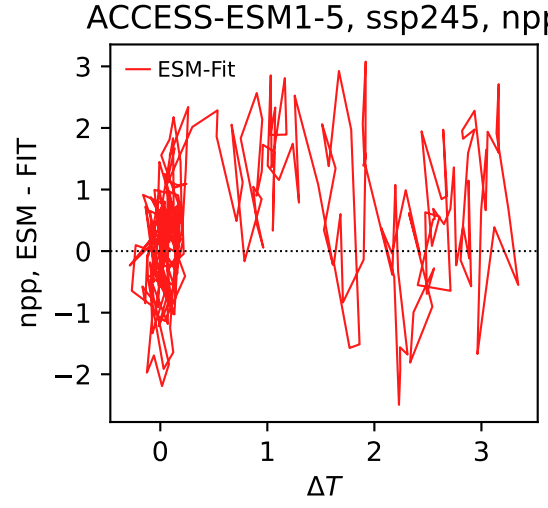

ACCESS-ESM1-5, ssp245, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7745, 0.5063, -0.0246, 0.0000, 0.9972, 0.8742, 0.
1e+14+2.259649508e+1
ACCESS-ESM1-5
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
sres_fast
−0.04
−0.02
0.00
0.02
0.04
sres_c_tan
8.901
8.302
7.702
7.103
6.503
5.901
5.301
4.702

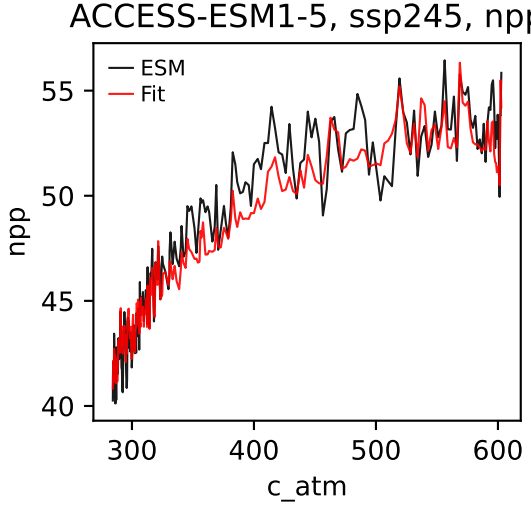

ACCESS-ESM1-5, ssp245, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7745, 0.5063, -0.0246, 0.0000, 0.9972, 0.8742, 0.
1e+14+2.259649508e+1
ACCESS-ESM1-5
sres_slow
sres_c_tan2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
8.901
8.302
7.702
7.103
6.503
5.901
5.301
4.702

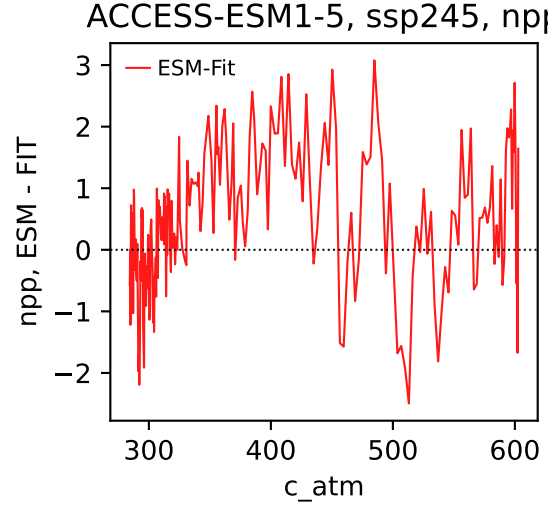

ACCESS-ESM1-5, ssp245, npp
ESM
Fit
npp
Year

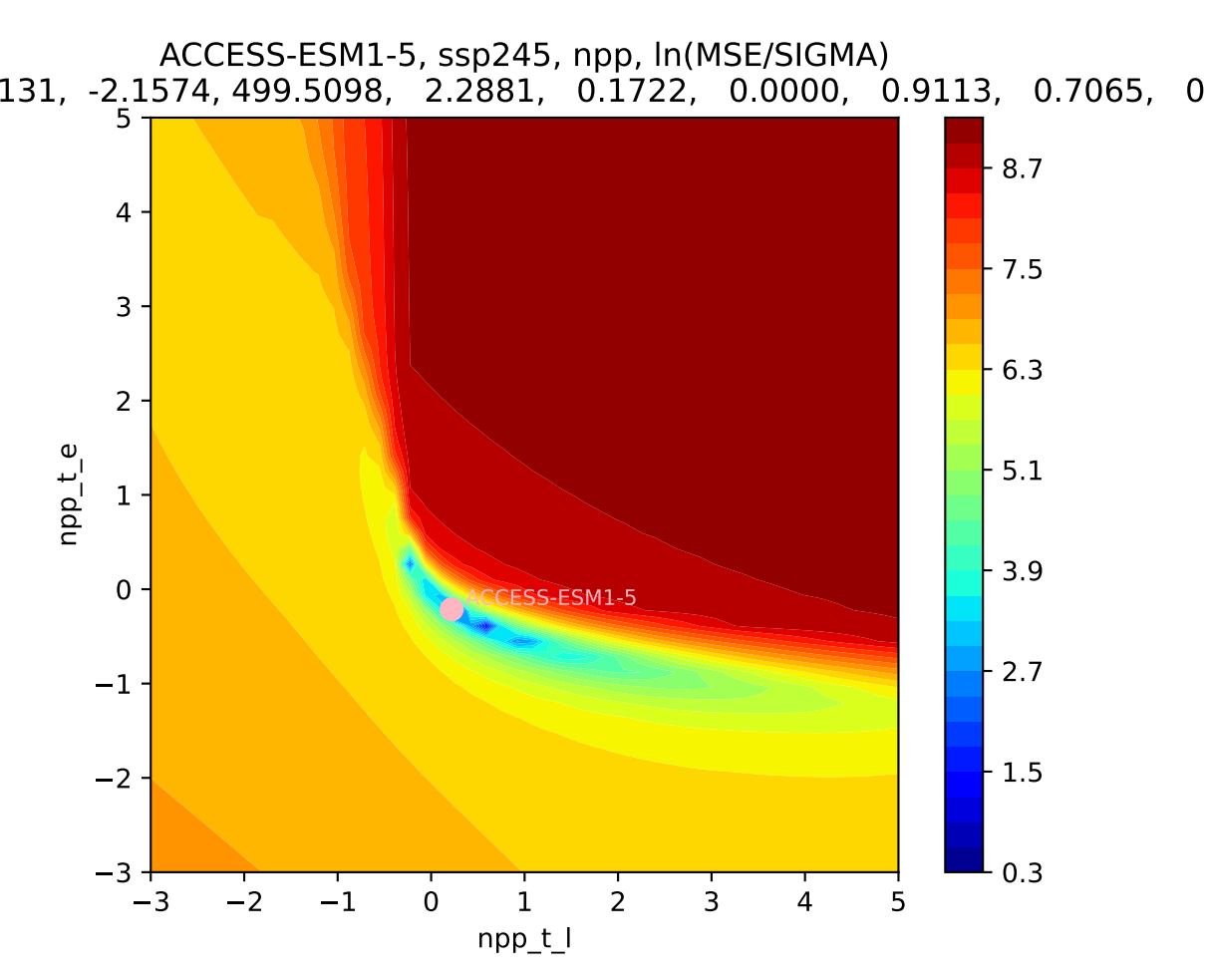

ACCESS-ESM1-5, ssp245, npp
ESM-Fit
npp, ESM - FIT
Year

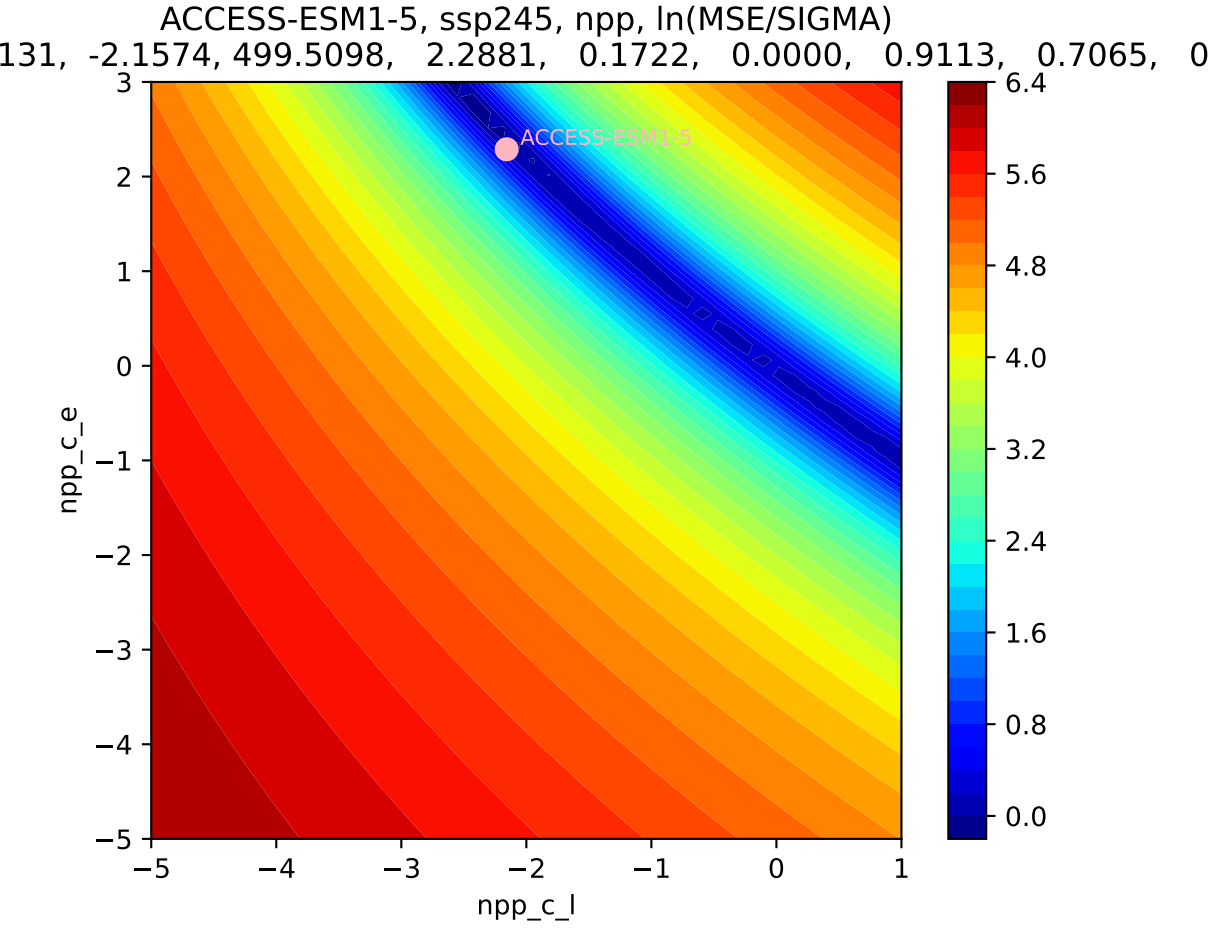

ACCESS-ESM1-5, ssp245, npp
ESM
Fit
npp
ΔT

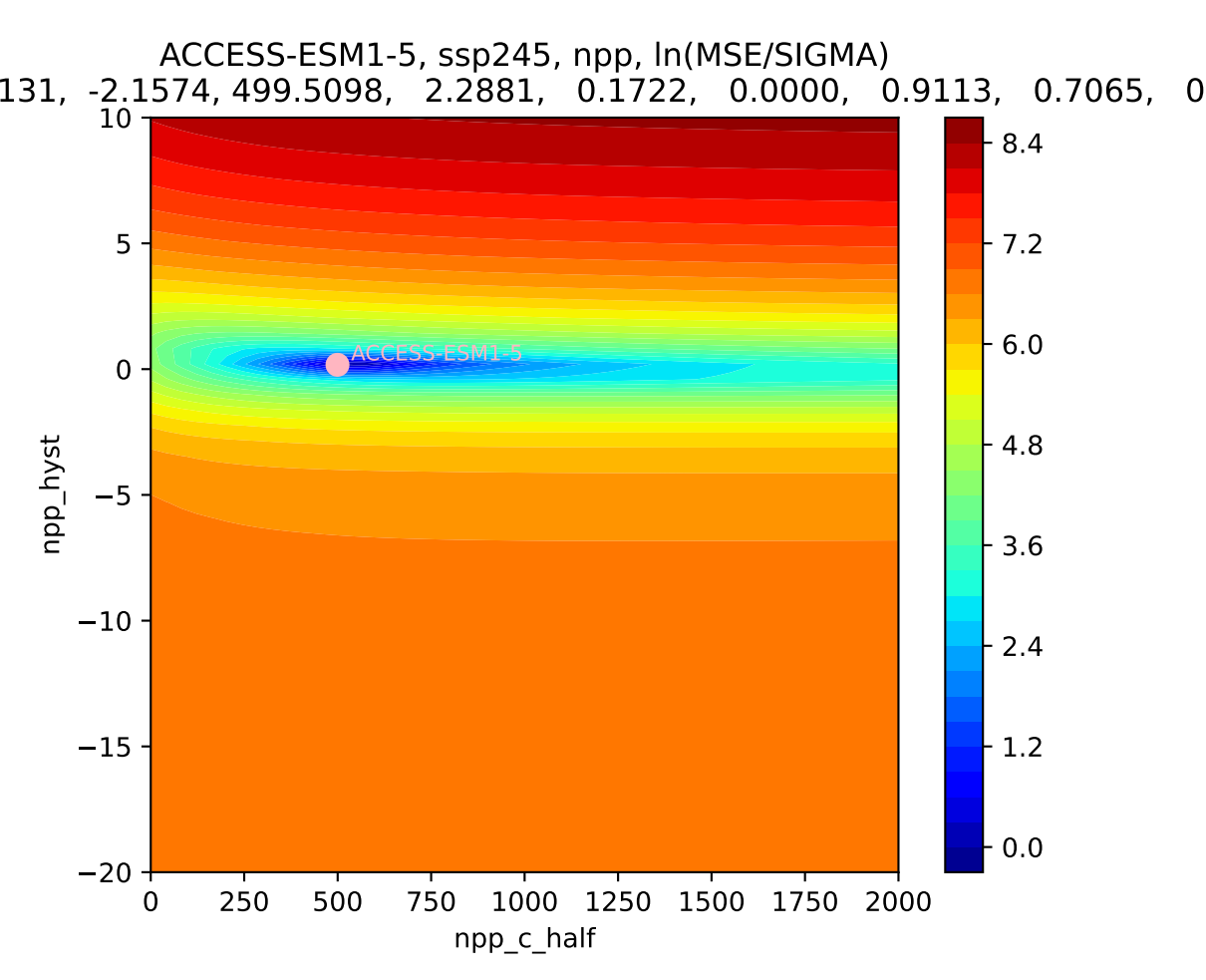

ACCESS-ESM1-5, ssp245, npp
ESM-Fit
npp, ESM - FIT
ΔT

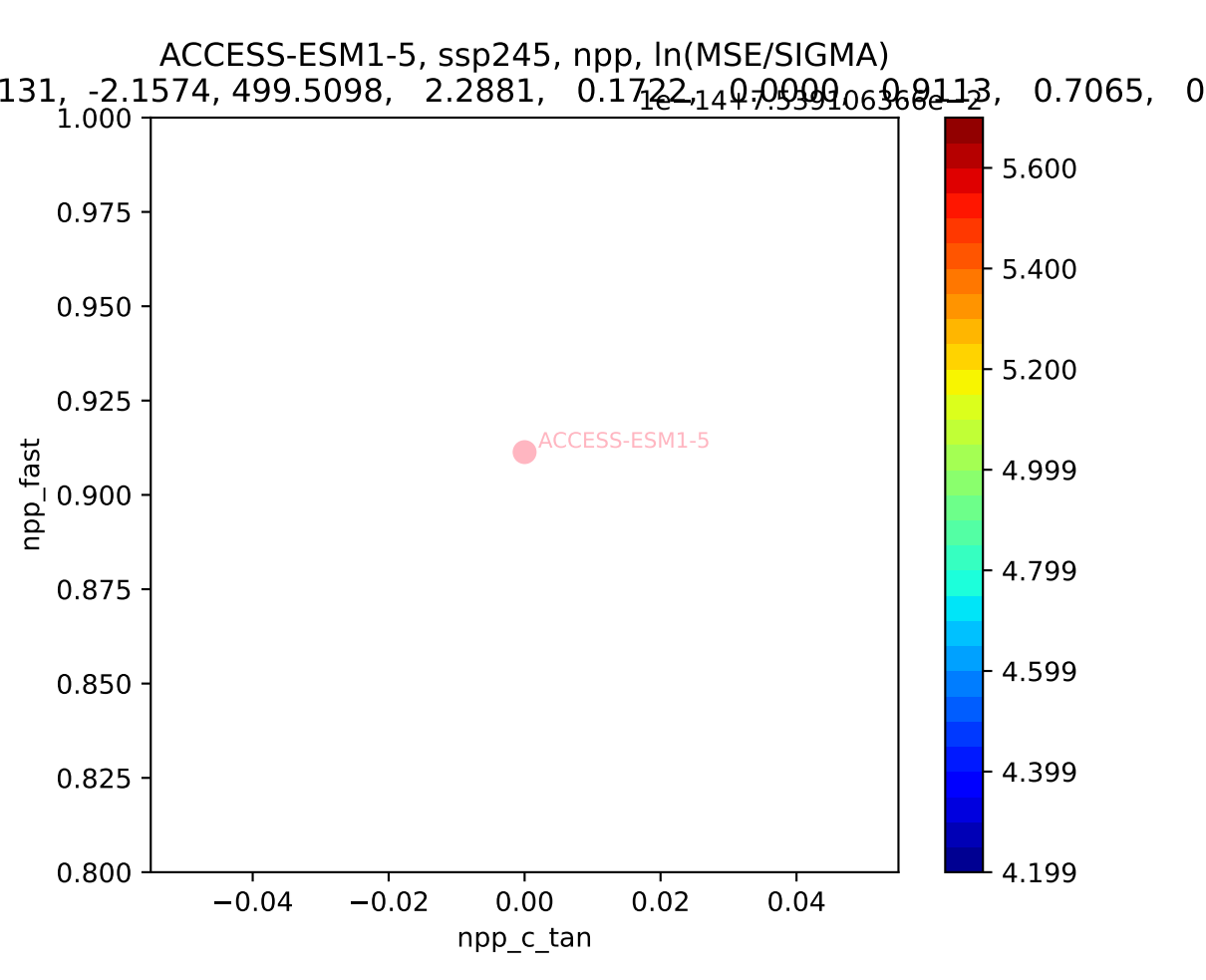

ACCESS-ESM1-5, ssp245, npp
ESM
Fit
npp
c_atm

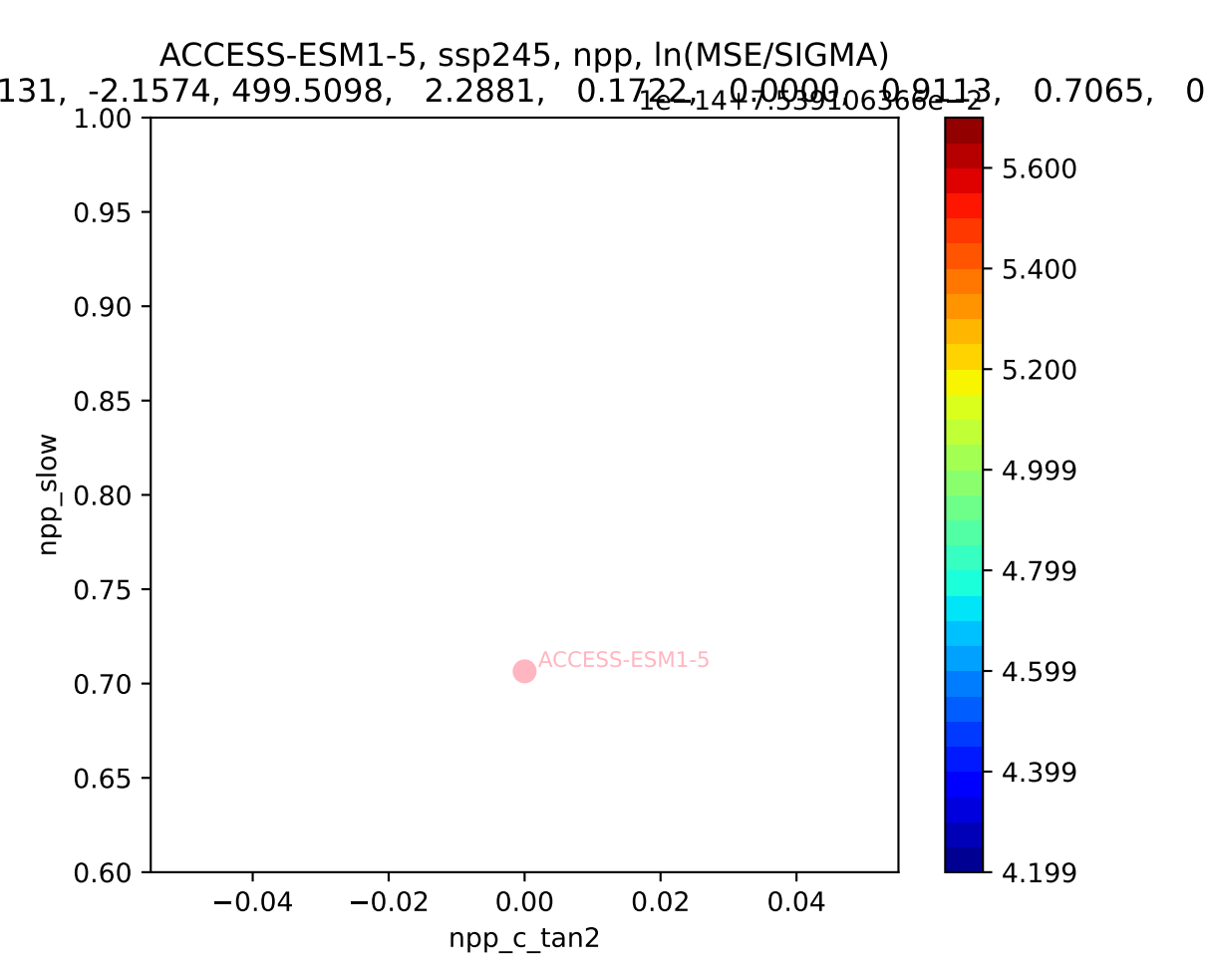

ACCESS-ESM1-5, ssp245, npp
ESM-Fit
npp, ESM - FIT
c_atm

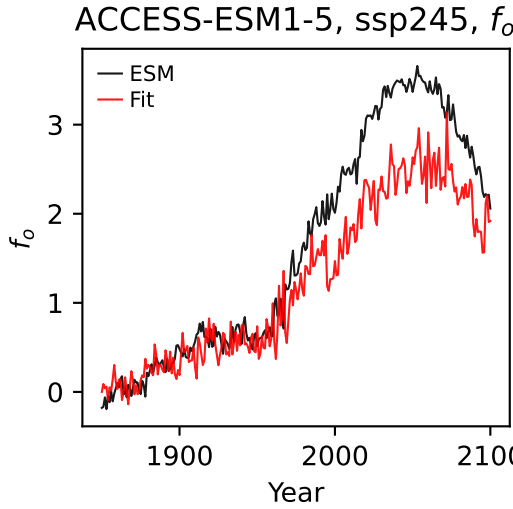

ACCESS-ESM1-5, ssp245, npp, ln(MSE/SIGMA)
131, -2.1574, 499.5098, 2.2881, 0.1722, 0.0000, 0.9113, 0.7065, 0
ACCESS-ESM1-5
npp_t_e
npp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
8.7
7.5
6.3
5.1
3.9
2.7
1.5
0.3

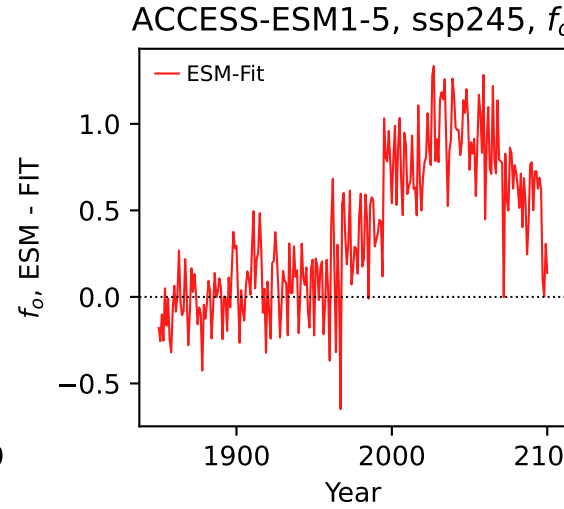

ACCESS-ESM1-5, ssp245, npp, ln(MSE/SIGMA)
131, -2.1574, 499.5098, 2.2881, 0.1722, 0.0000, 0.9113, 0.7065, 0
ACCESS-ESM1-5
npp_c_e
npp_c_l
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
6.4
5.6
4.8
4.0
3.2
2.4
1.6
0.8
0.0

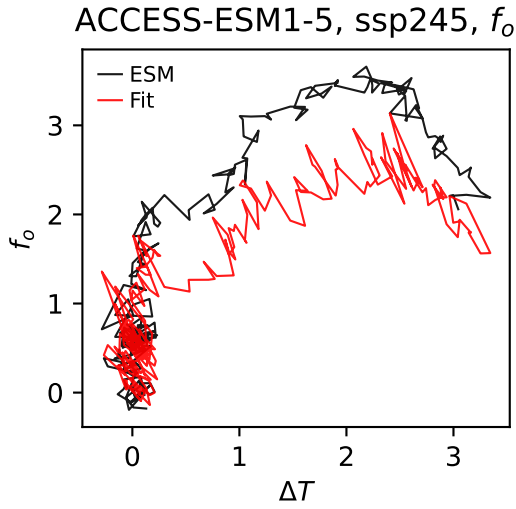

ACCESS-ESM1-5, ssp245, npp, ln(MSE/SIGMA)
131, -2.1574, 499.5098, 2.2881, 0.1722, 0.0000, 0.9113, 0.7065, 0
ACCESS-ESM1-5
npp_hyst
npp_c_half
10
5
0
−5
−10
−15
−20
0
250
500
750
1000
1250
1500
1750
2000
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

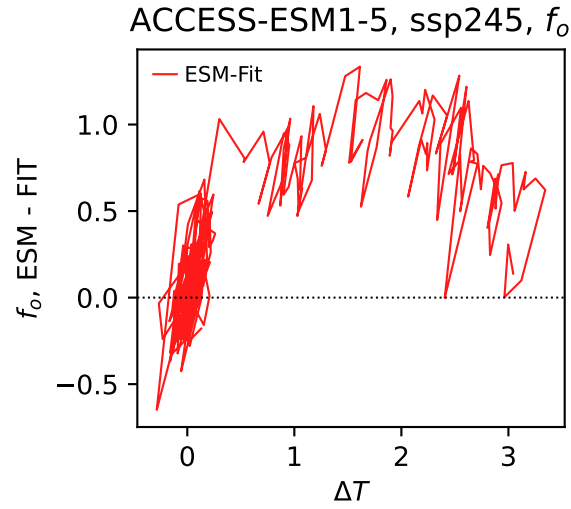

ACCESS-ESM1-5, ssp245, npp, ln(MSE/SIGMA)
131, -2.1574, 499.5098, 2.2881, 0.1722, 0.0000, 0.9113, 0.7065, 0
1e−14+7.539106366e−2
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
npp_fast
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
npp_c_tan
5.600
5.400
5.200
4.999
4.799
4.599
4.399
4.199

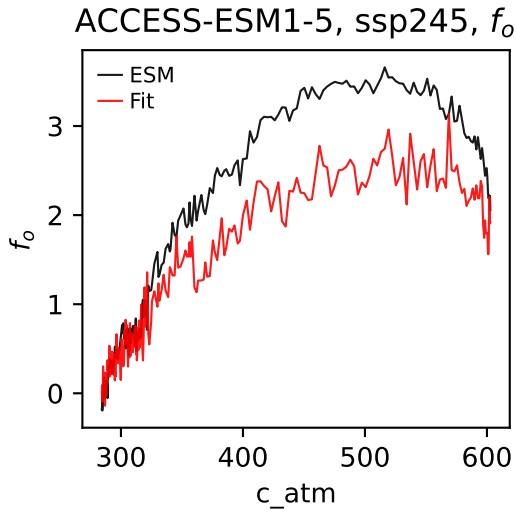

ACCESS-ESM1-5, ssp245, npp, ln(MSE/SIGMA)
131, -2.1574, 499.5098, 2.2881, 0.1722, 0.0000, 0.9113, 0.7065, 0
1e−14+7.539106366e−2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
npp_c_tan2
5.600
5.400
5.200
4.999
4.799
4.599
4.399
4.199

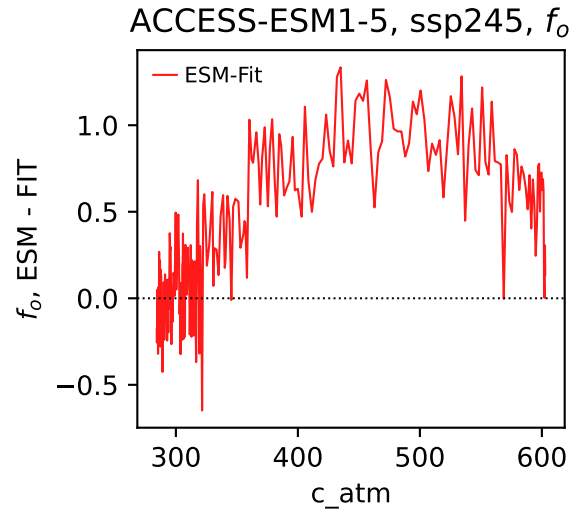

ACCESS-ESM1-5, ssp245, f_o
ESM
Fit
f_o
Year

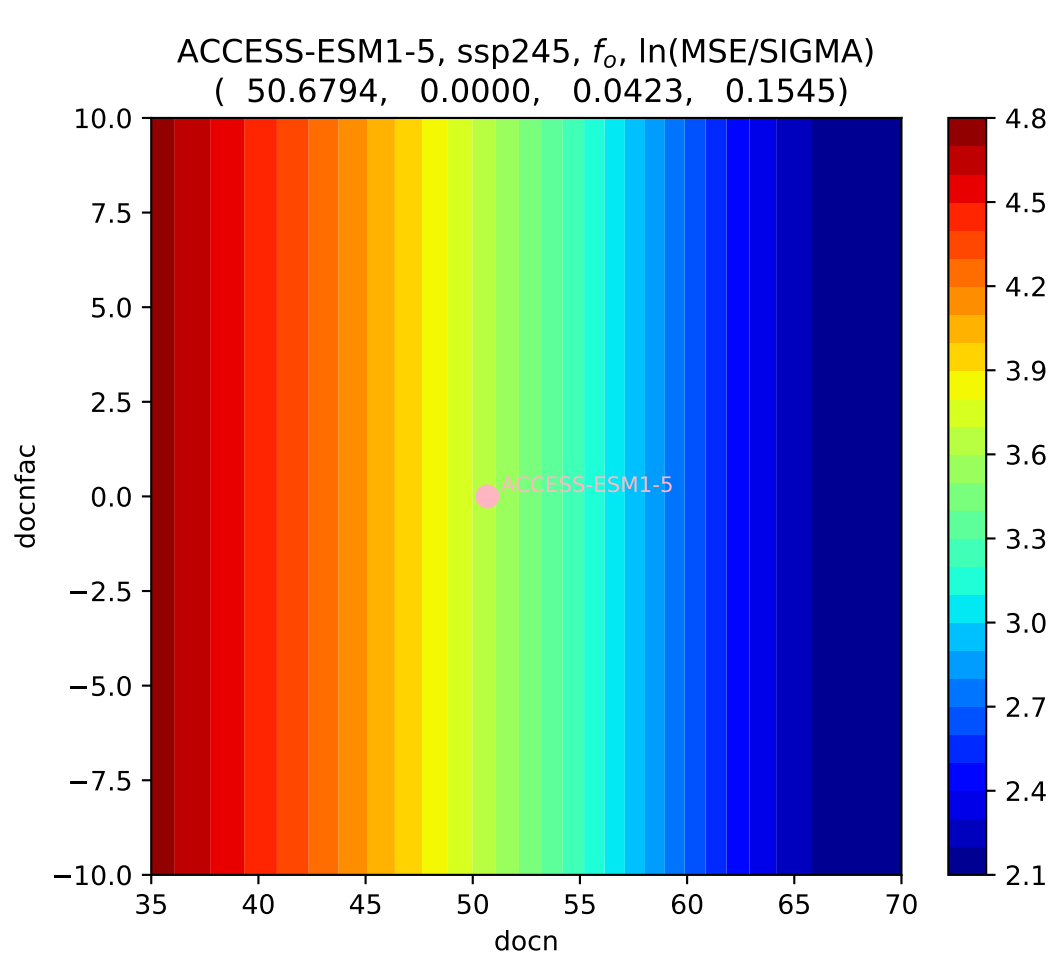

ACCESS-ESM1-5, ssp245, f_o
ESM-Fit
f_o, ESM - FIT
Year

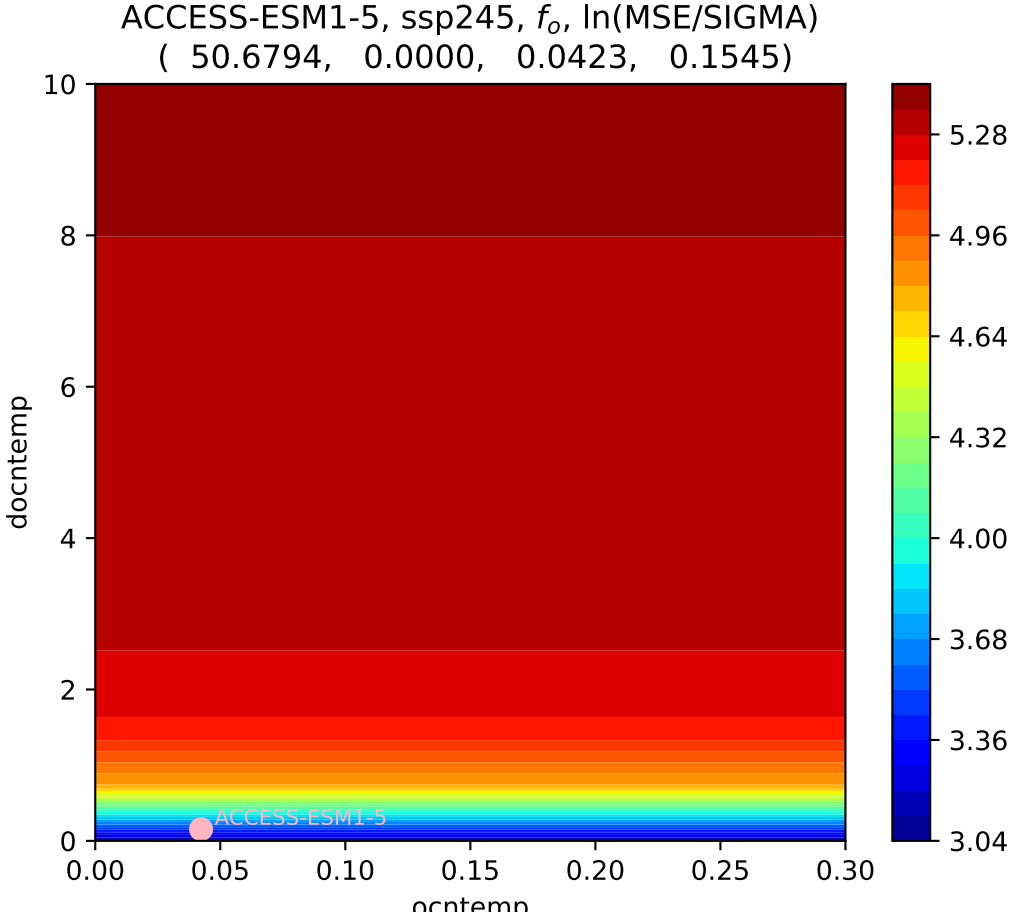

ACCESS-ESM1-5, ssp245, f_o
ESM
Fit
f_o
ΔT


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)
(50.6794, 0.0000, 0.0423, 0.1545)
ACCESS-ESM1-5
docnfac
docn
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
35
40
45
50
55
60
65
70
4.8
4.5
4.2
3.9
3.6
3.3
3.0
2.7
2.4
2.1


ACCESS-ESM1-5, ssp245, f_o, ln(MSE/SIGMA)
(50.6794, 0.0000, 0.0423, 0.1545)
10
8
6
4
2
0
docntemp
0.00
0.05
0.10
0.15
0.20
0.25
0.30
ocntemp
ACCESS-ESM1-5
5.28
4.96
4.64
4.32
4.00
3.68
3.36
3.04