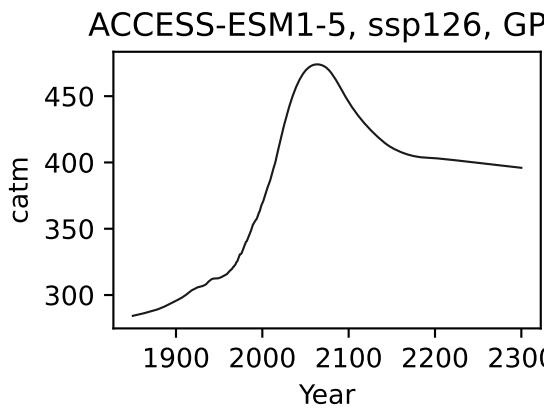
ACCESS-ESM1-5, ssp126, GPP
catm
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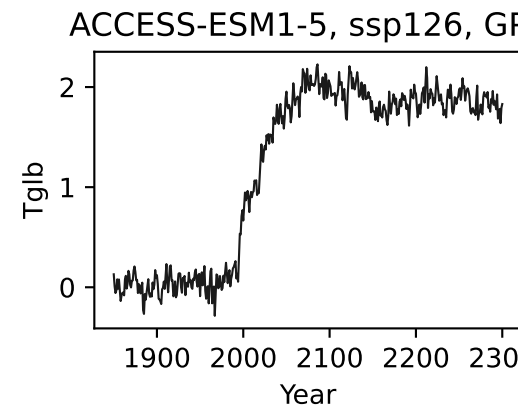
350
300
1900
2000
2100
2200
2300
Year


ACCESS-ESM1-5, ssp126, GPP
Tglb
2
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2000
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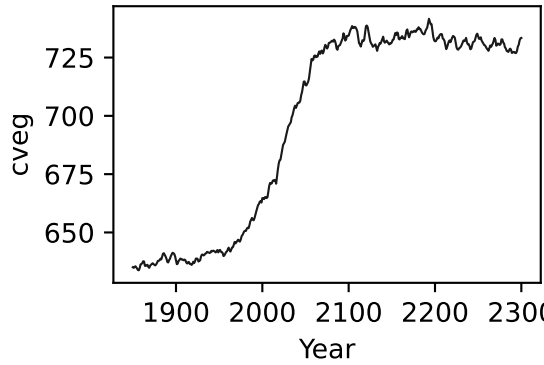
2200
2300
Year


cveg
725
700
675
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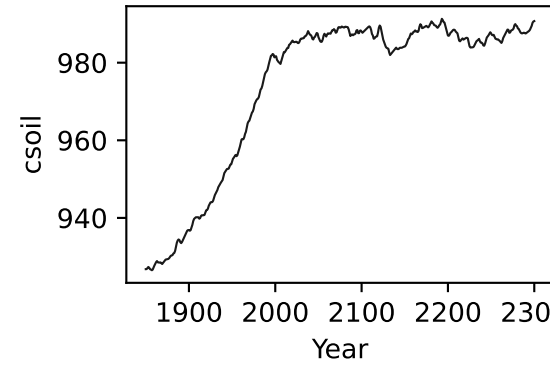
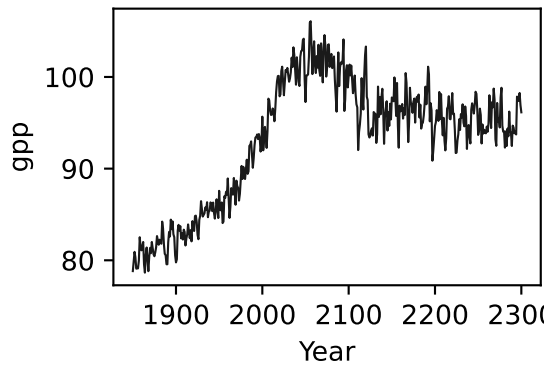
1900
2000
2100
2200
2300
Year


csoil
980
960
940
1900
2000
2100
2200
2300
Year


gpp
100
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2000
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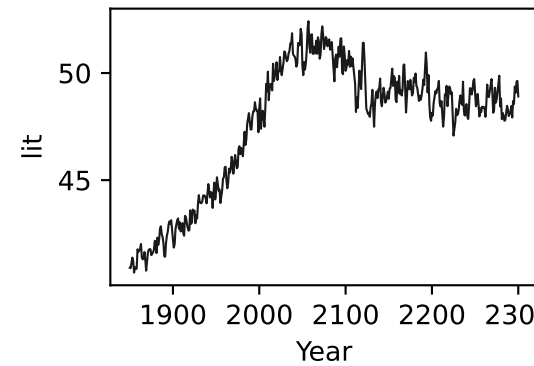
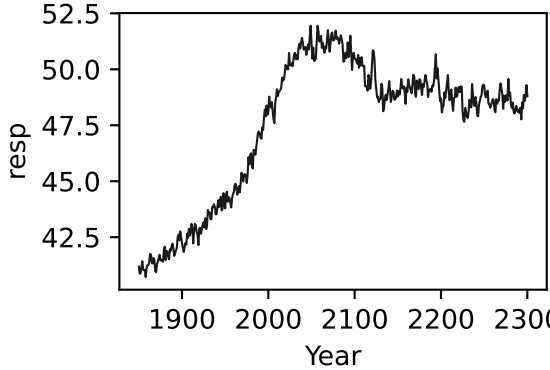
2200
2300
Year


lit
50
45
1900
2000
2100
2200
2300
Year


resp
52.5
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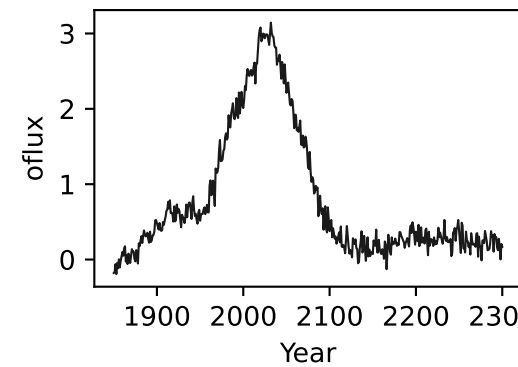
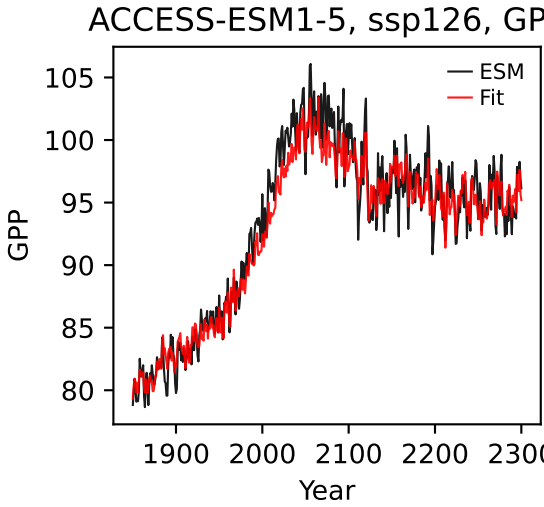
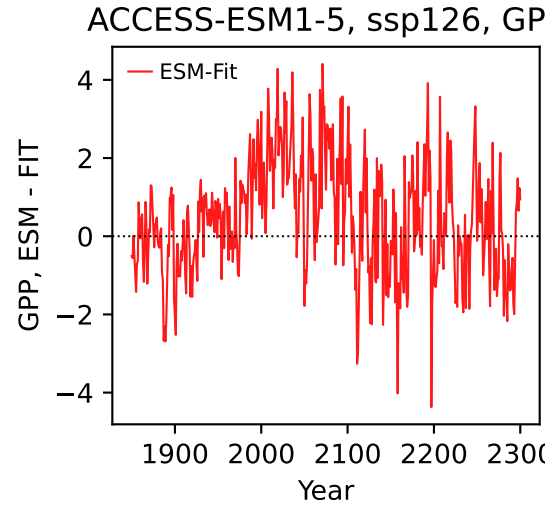
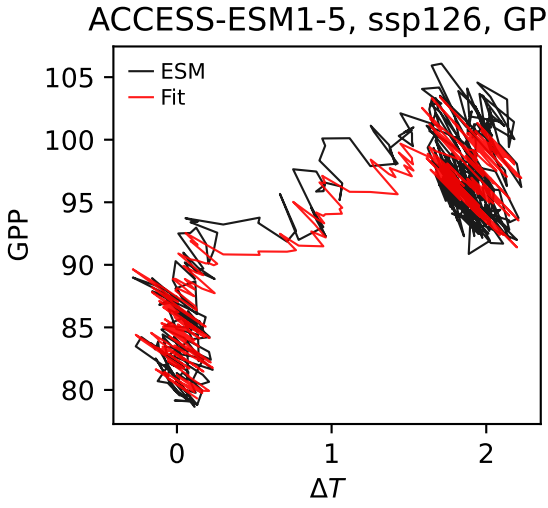
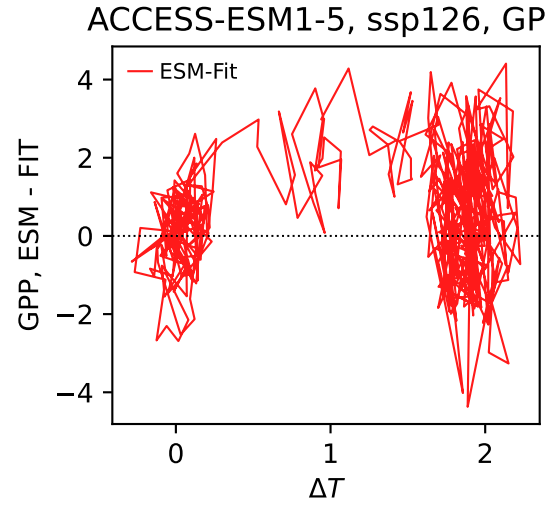
47.5
45.0
42.5
1900
2000
2100
2200
2300
Year

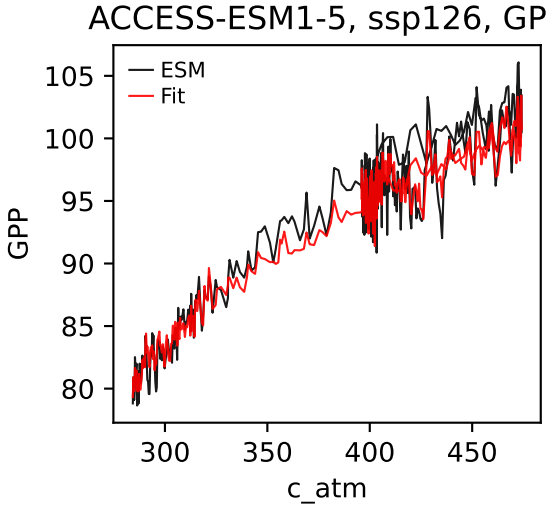

oflux
3
2
1
0
1900
2000
2100
2200
2300
Year

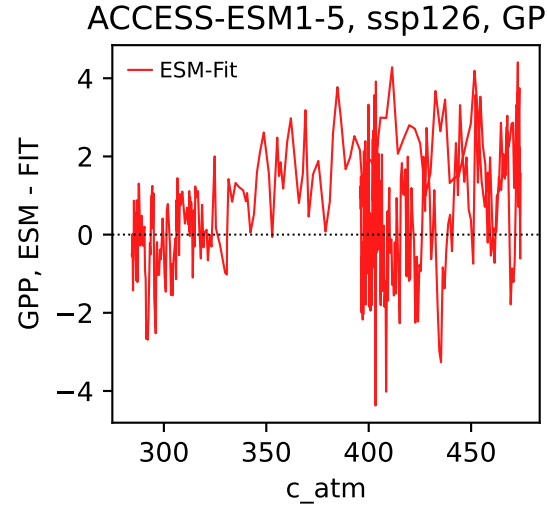

ACCESS-ESM1-5, ssp126, GPP
ESM
Fit
GPP
105
100
95
90
85
80
1900
2000
2100
2200
2300
Year

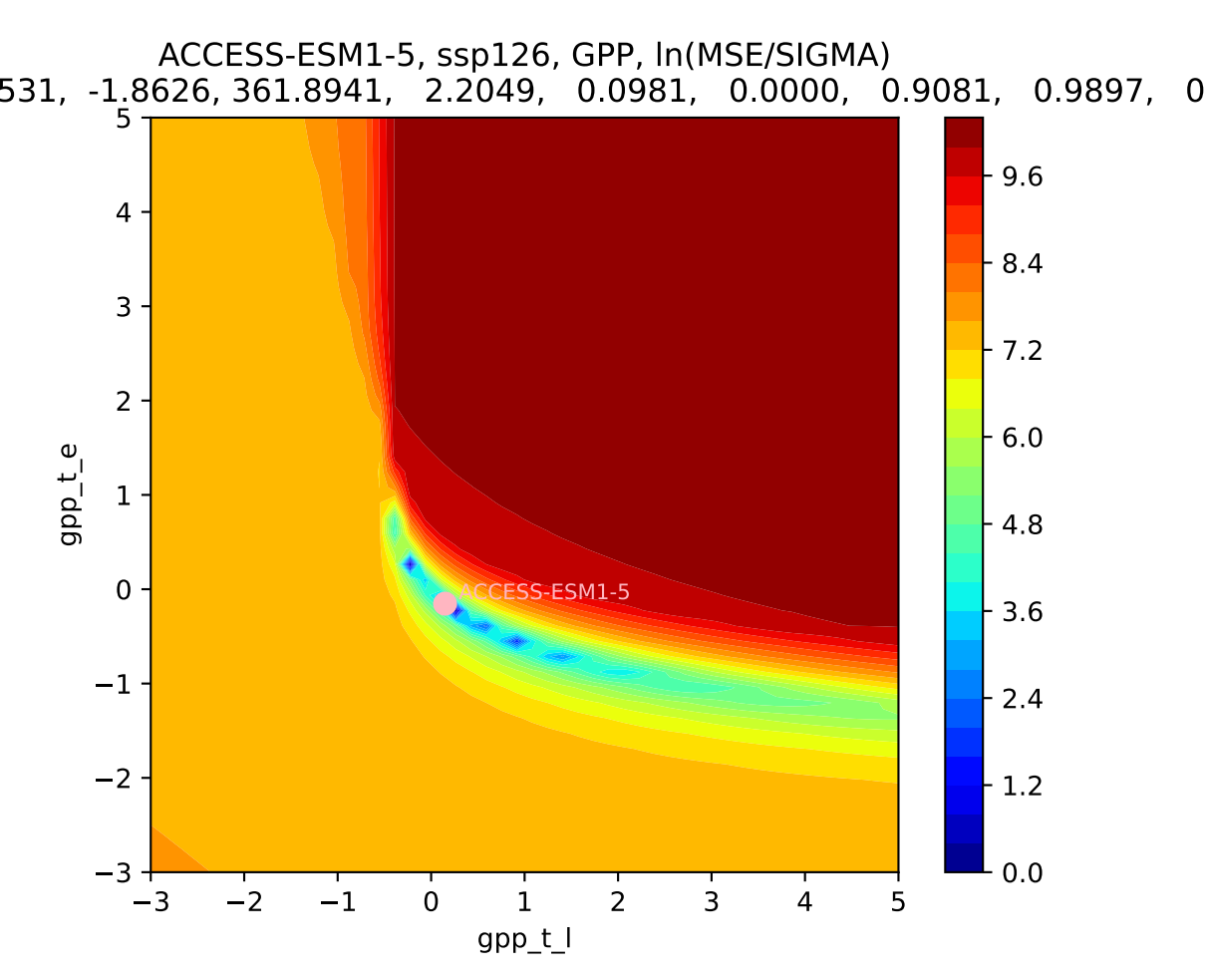

ACCESS-ESM1-5, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
4
2
0
−2
−4
1900
2000
2100
2200
2300
Year

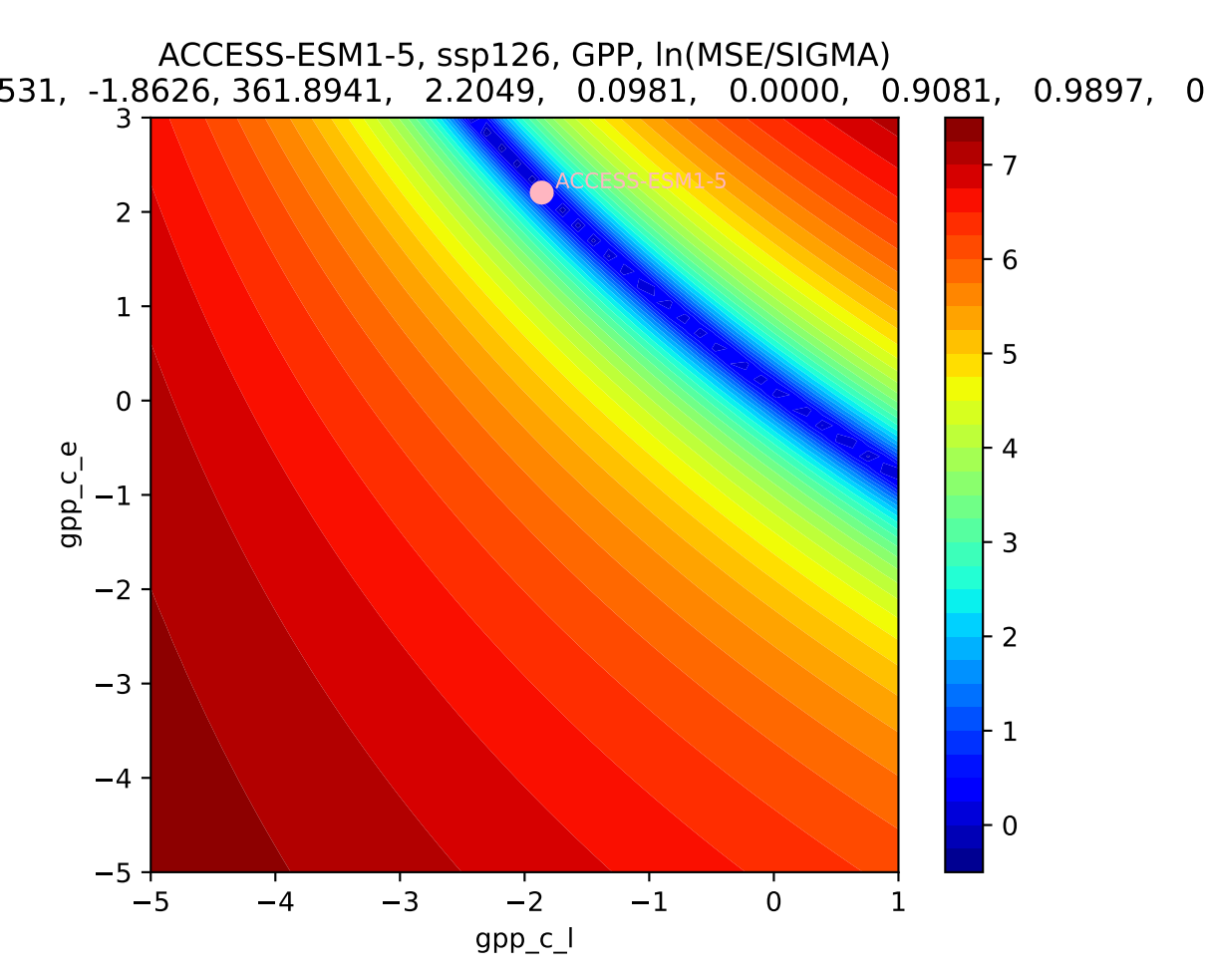

ACCESS-ESM1-5, ssp126, GPP
ESM
Fit
GPP
105
100
95
90
85
80
0
1
2
ΔT

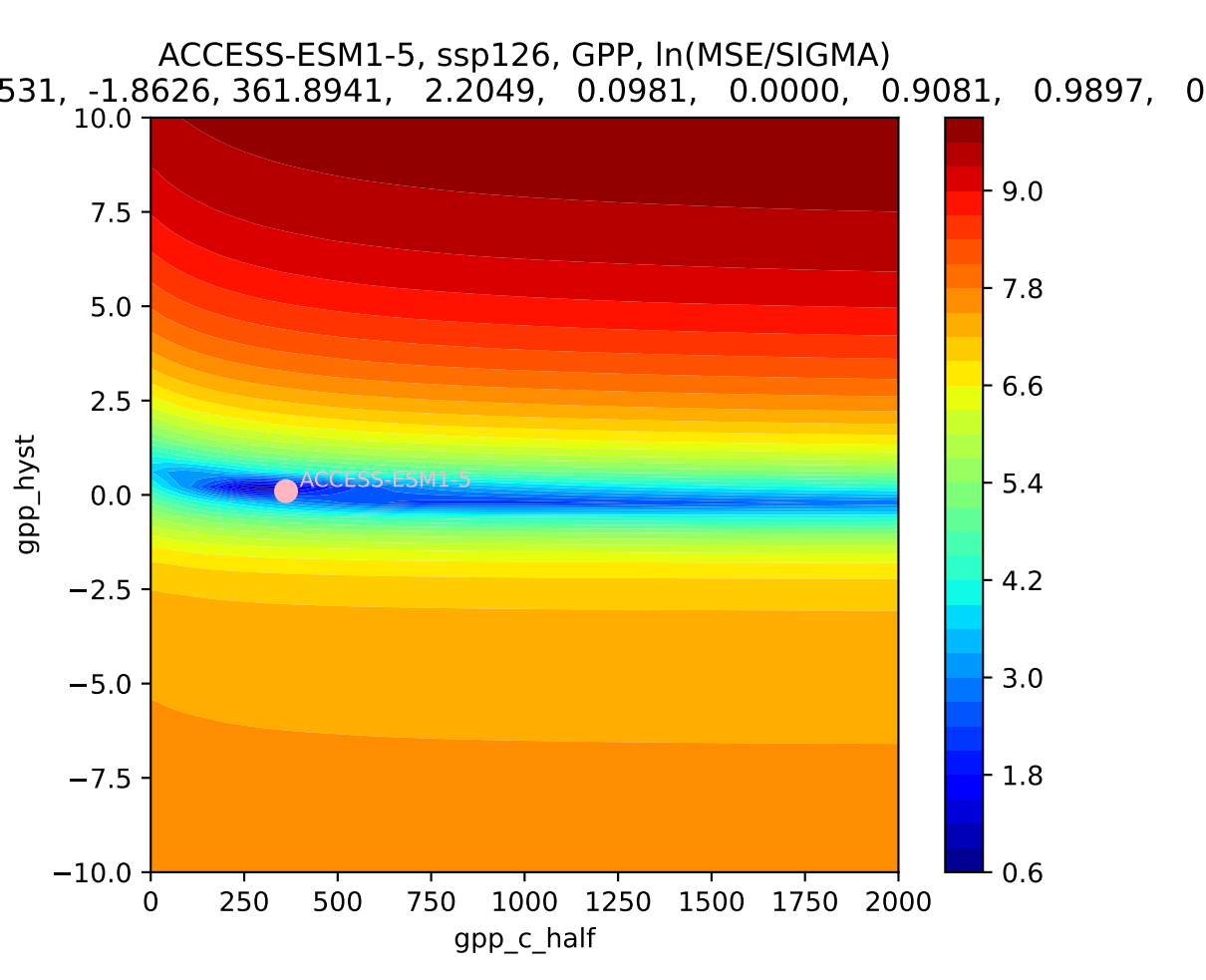

ACCESS-ESM1-5, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
4
2
0
−2
−4
0
1
2
ΔT

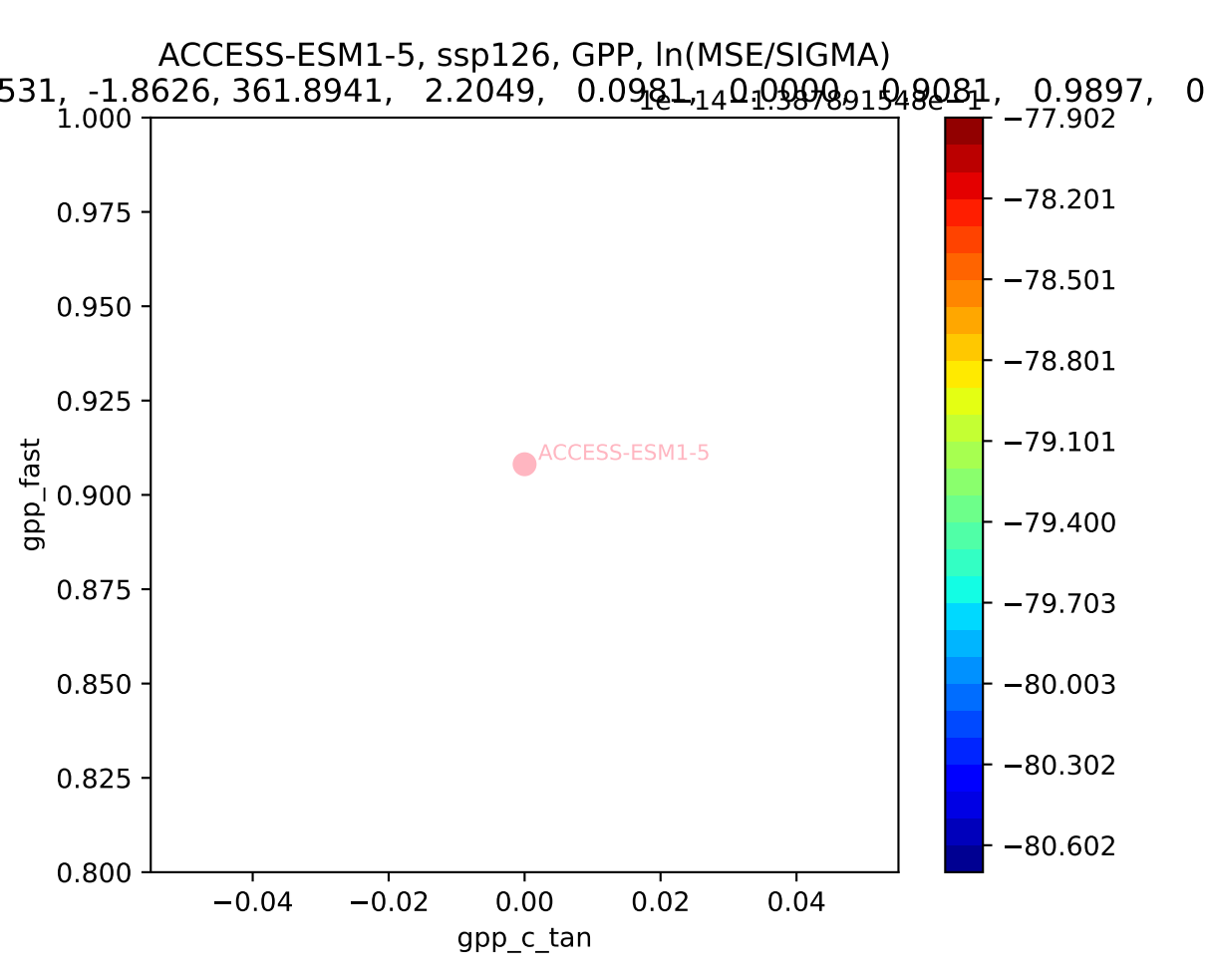

ACCESS-ESM1-5, ssp126, GPP
ESM
Fit
GPP
105
100
95
90
85
80
300
350
400
450
c_atm

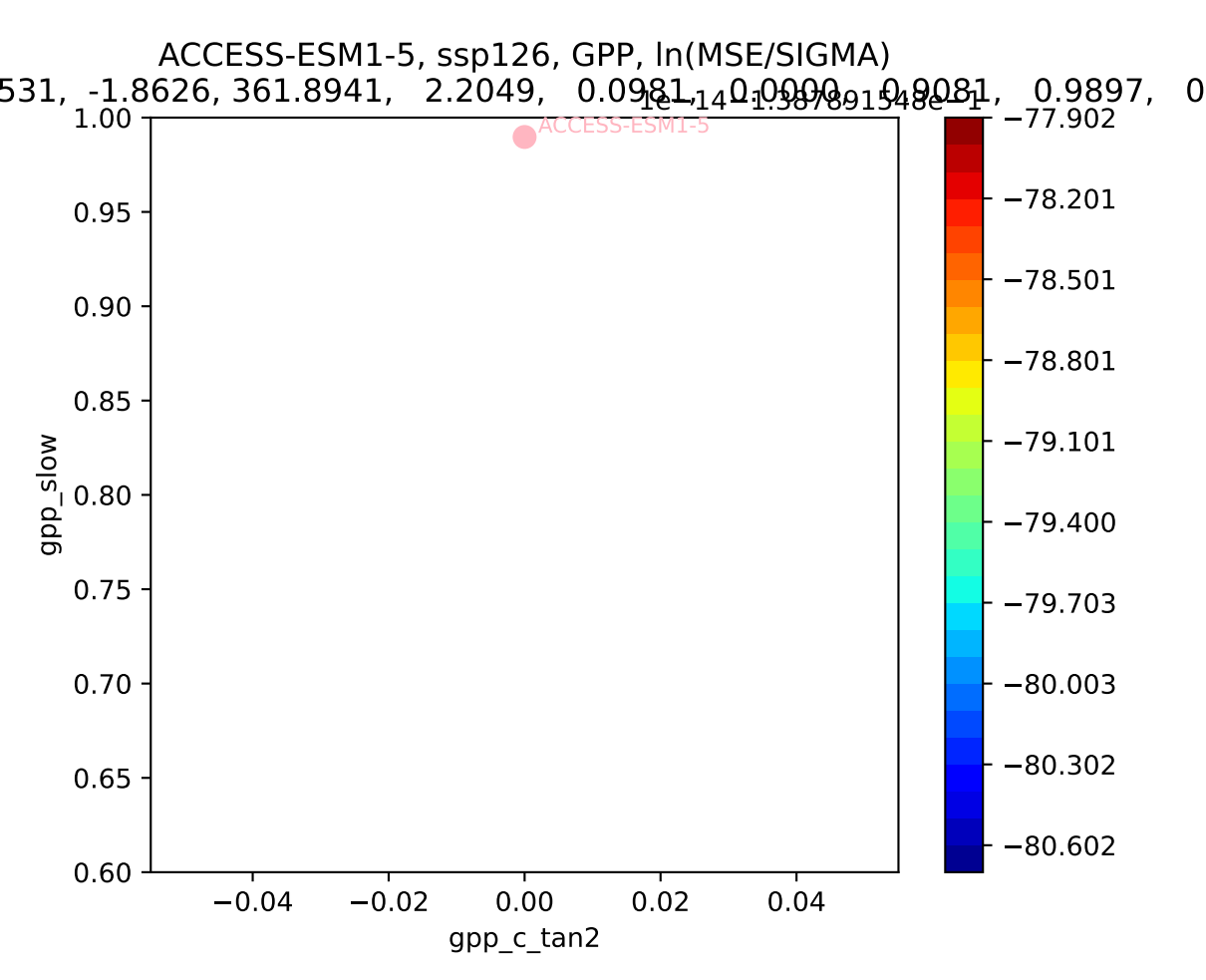

ACCESS-ESM1-5, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
4
2
0
−2
−4
300
350
400
450
c_atm

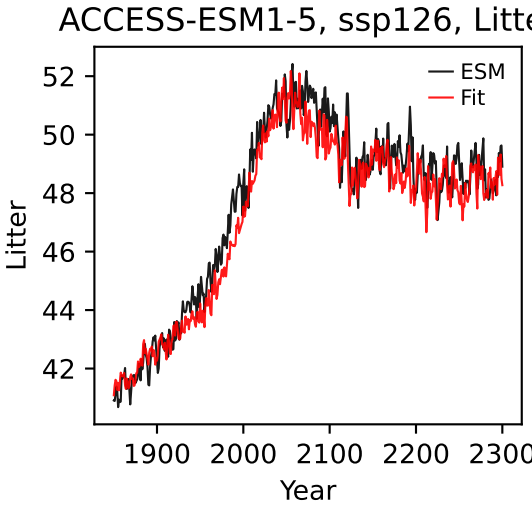

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8941, 2.2049, 0.0981, 0.0000, 0.9081, 0.9897, 0
ACCESS-ESM1-5
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

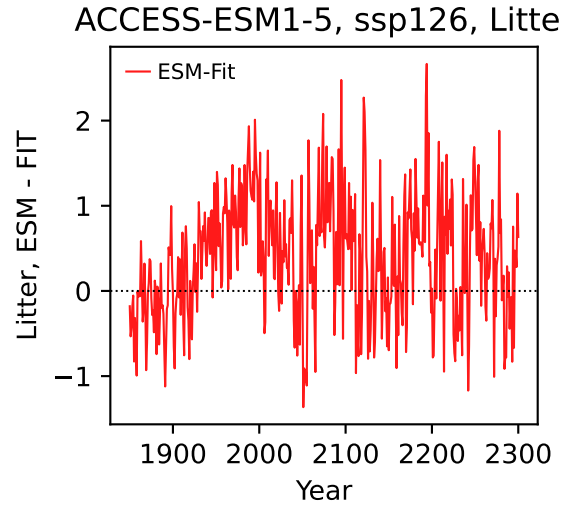

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8941, 2.2049, 0.0981, 0.0000, 0.9081, 0.9897, 0
ACCESS-ESM1-5
gpp_c_e
gpp_c_l
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
7
6
5
4
3
2
1
0

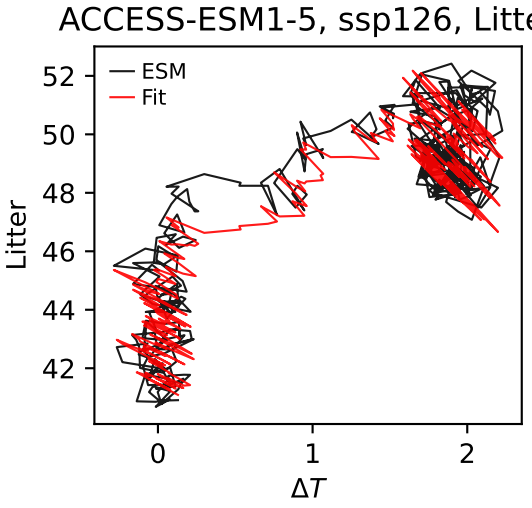

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8941, 2.2049, 0.0981, 0.0000, 0.9081, 0.9897, 0
ACCESS-ESM1-5
gpp_hyst
gpp_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
9.0
7.8
6.6
5.4
4.2
3.0
1.8
0.6

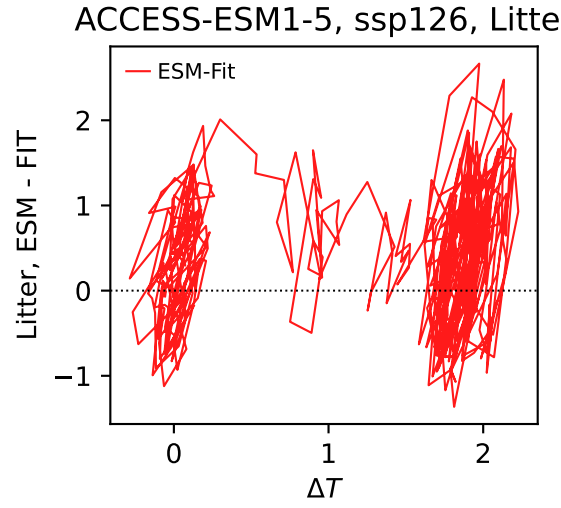

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8941, 2.2049, 0.0981, 0.0000, 0.9081, 0.9897, 0
1e−14 −1.387891548e−1
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
gpp_fast
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
gpp_c_tan
−77.902
−78.201
−78.501
−78.801
−79.101
−79.400
−79.703
−80.003
−80.302
−80.602

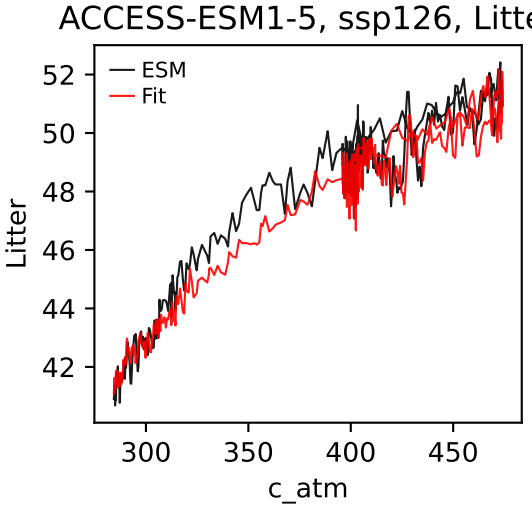

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8941, 2.2049, 0.0981, 0.0000, 0.9081, 0.9897, 0
1e−14 −1.387891548e−1
ACCESS-ESM1-5
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
gpp_slow
−0.04
−0.02
0.00
0.02
0.04
gpp_c_tan2
−77.902
−78.201
−78.501
−78.801
−79.101
−79.400
−79.703
−80.003
−80.302
−80.602

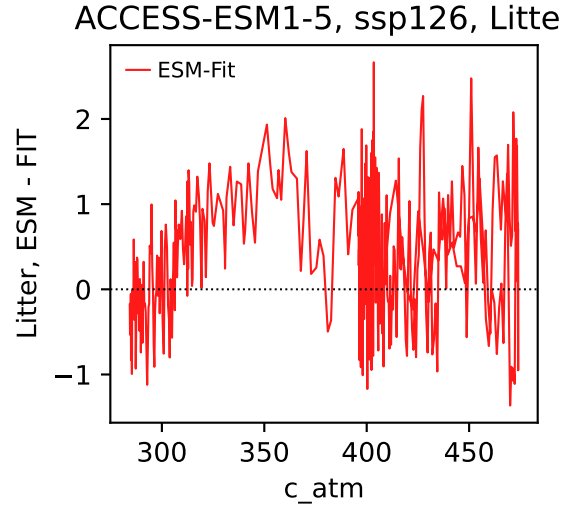

ACCESS-ESM1-5, ssp126, Litter
ESM
Fit
Litter
Year

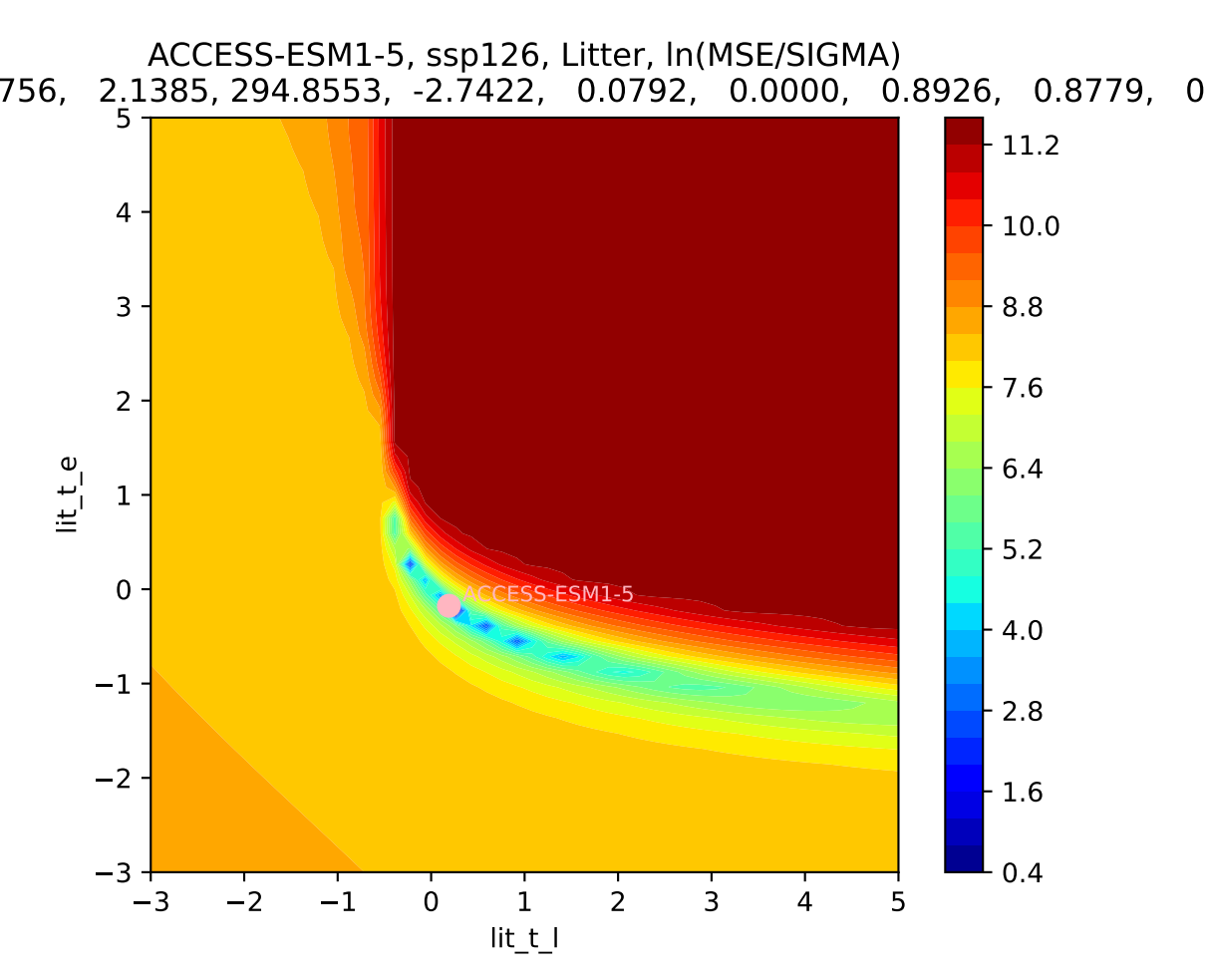

ACCESS-ESM1-5, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
Year

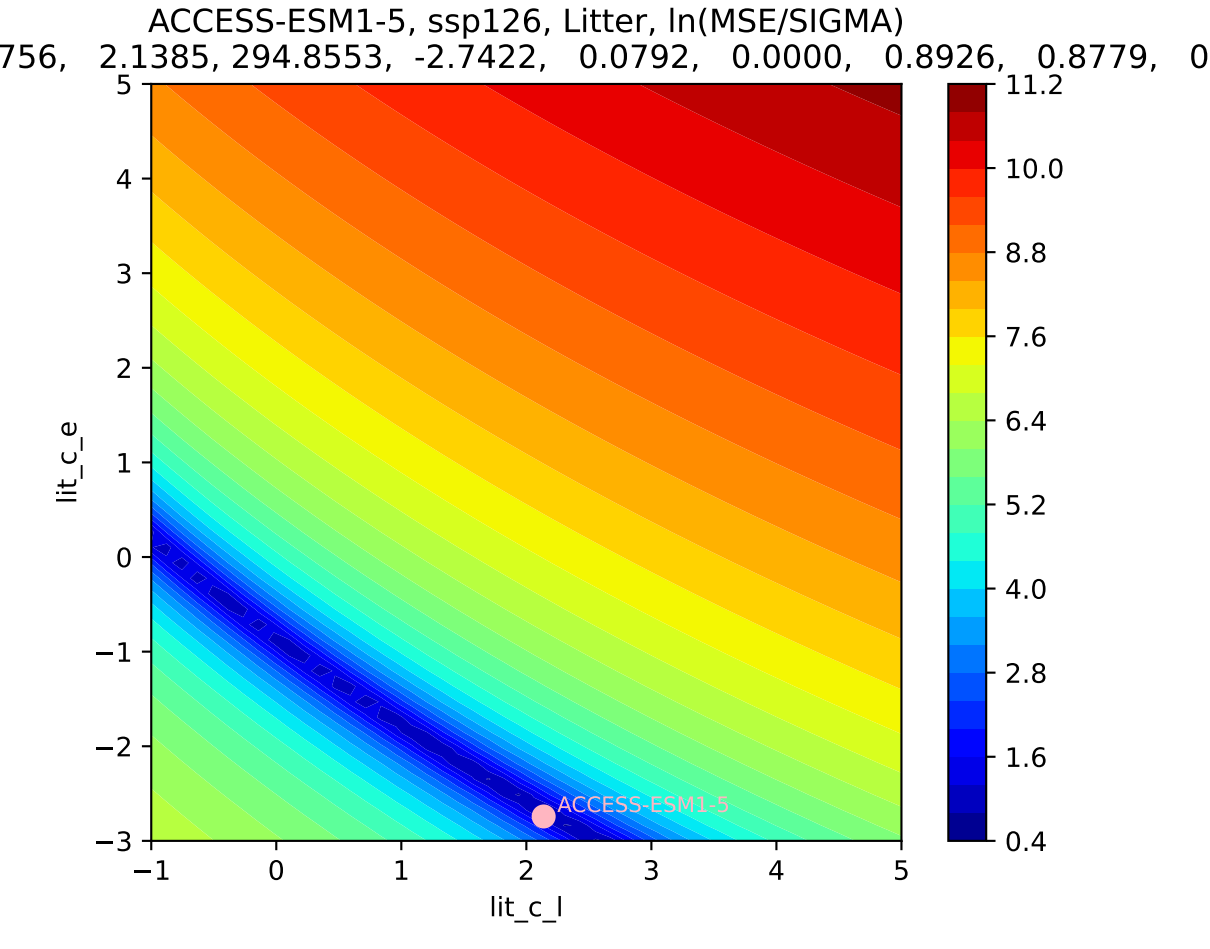

ACCESS-ESM1-5, ssp126, Litter
ESM
Fit
Litter
ΔT

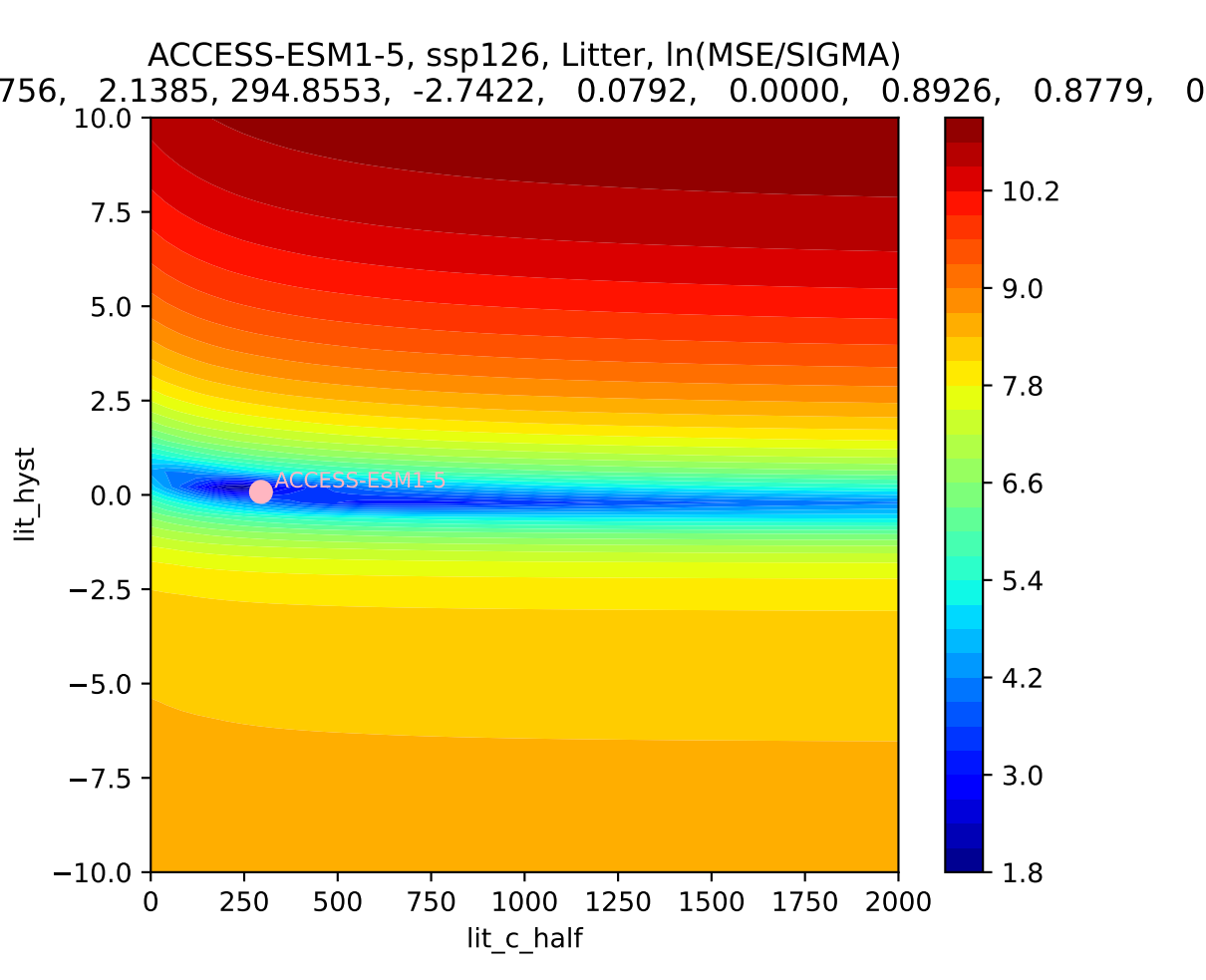

ACCESS-ESM1-5, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

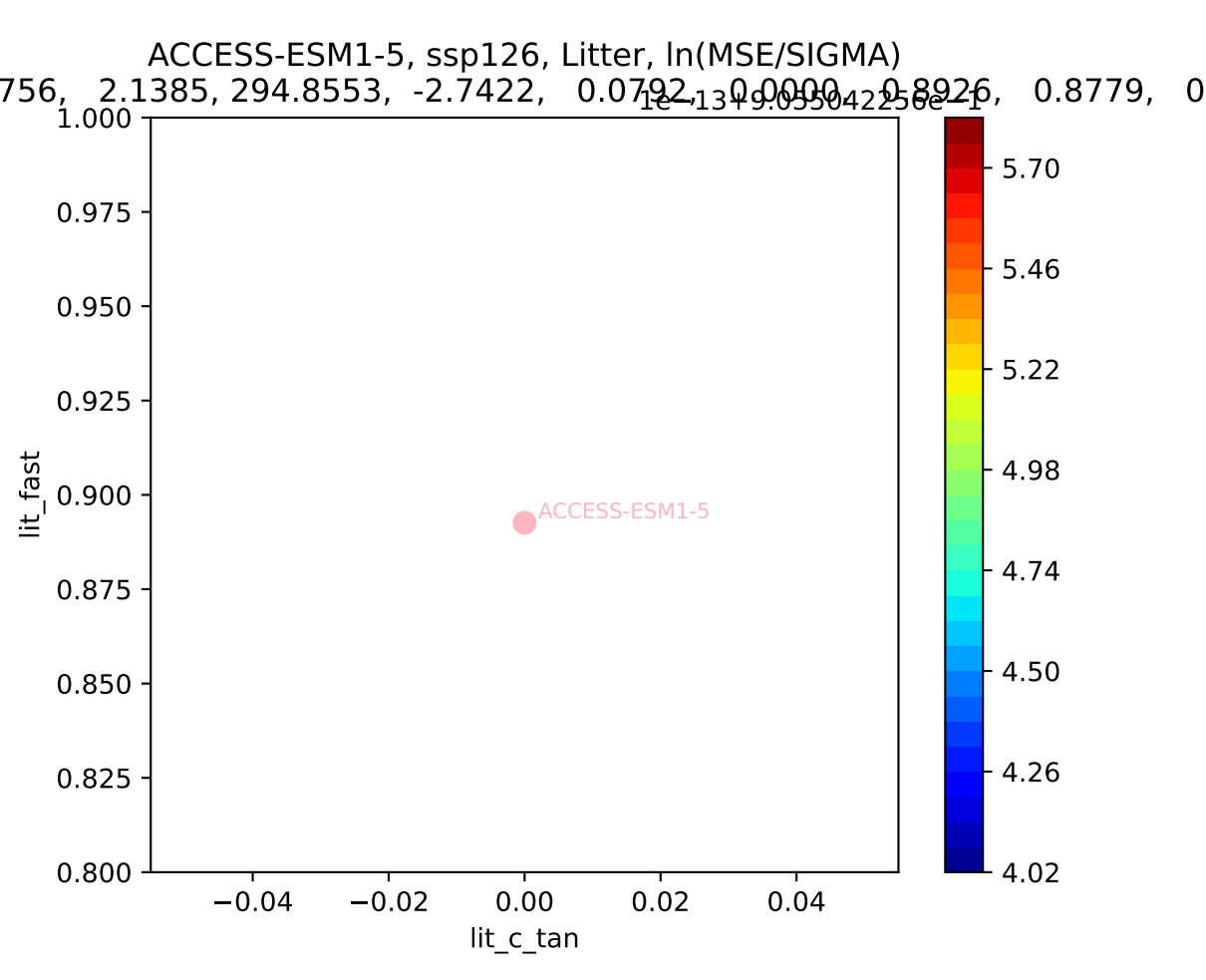

ACCESS-ESM1-5, ssp126, Litter
ESM
Fit
Litter
c_atm

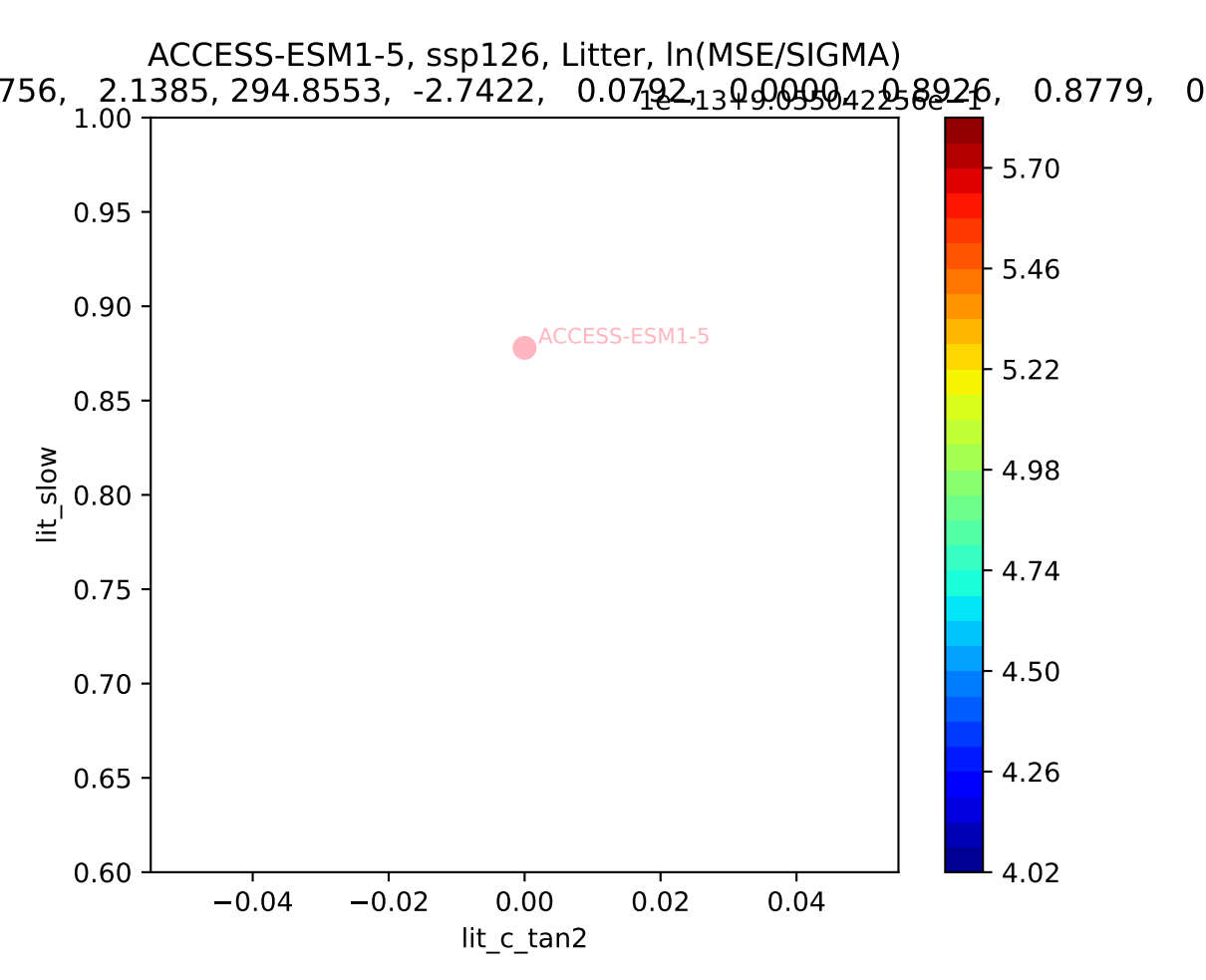

ACCESS-ESM1-5, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

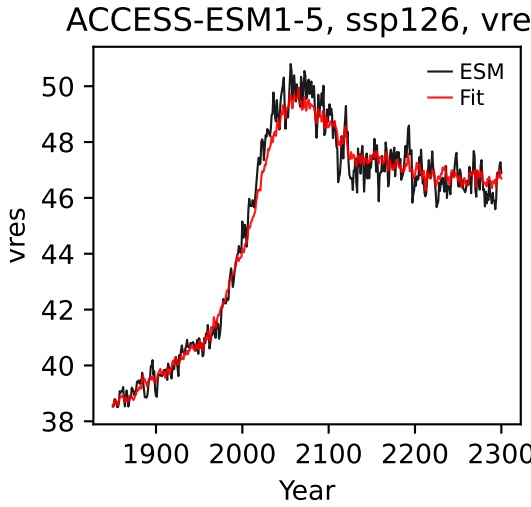

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8553, -2.7422, 0.0792, 0.0000, 0.8926, 0.8779, 0
lit_t_e
lit_t_l
ACCESS-ESM1-5
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

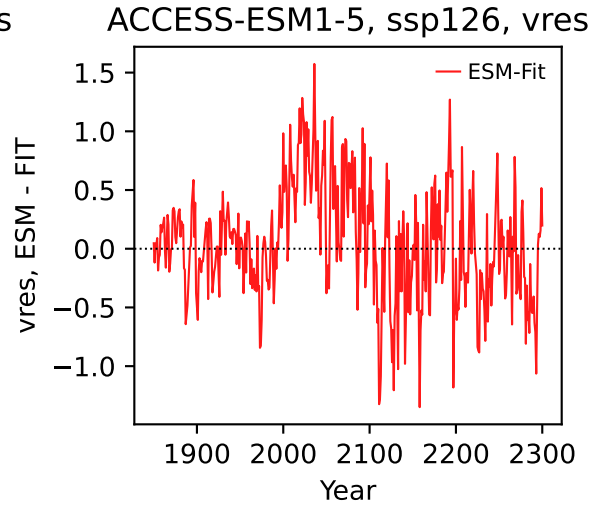

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8553, -2.7422, 0.0792, 0.0000, 0.8926, 0.8779, 0
lit_c_e
lit_c_l
ACCESS-ESM1-5
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

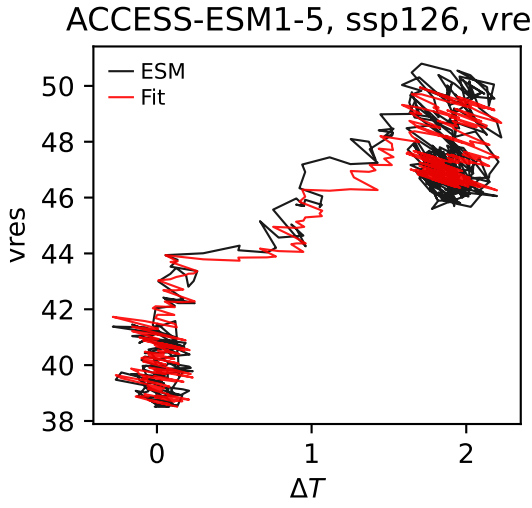

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8553, -2.7422, 0.0792, 0.0000, 0.8926, 0.8779, 0
ACCESS-ESM1-5
lit_hyst
lit_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.2
9.0
7.8
6.6
5.4
4.2
3.0
1.8

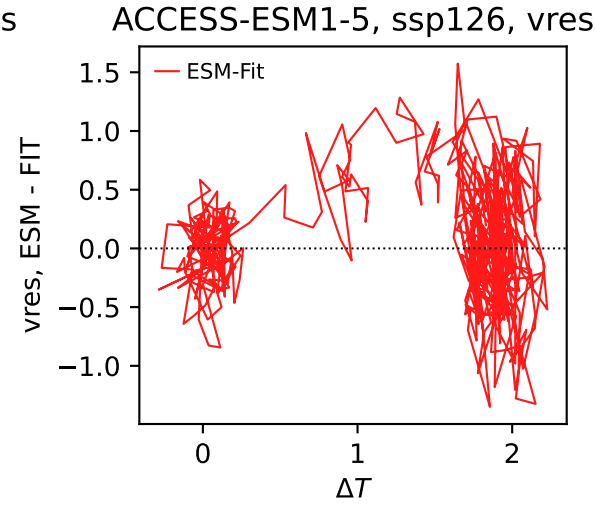

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8553, -2.7422, 0.0792, 0.0000, 0.8926, 0.8779, 0
1e−13+9.055042256e−1
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
lit_fast
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
lit_c_tan
5.70
5.46
5.22
4.98
4.74
4.50
4.26
4.02

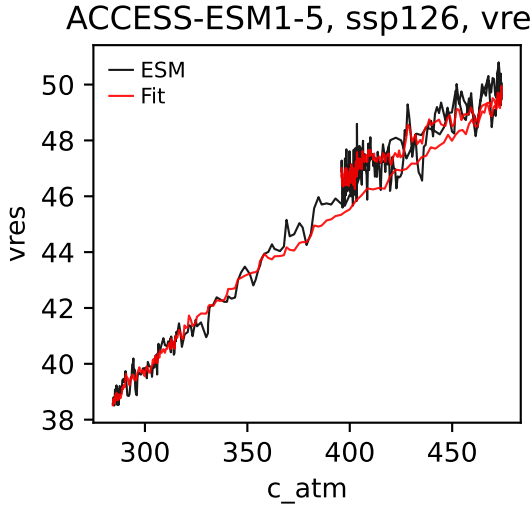

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8553, -2.7422, 0.0792, 0.0000, 0.8926, 0.8779, 0
1e−13+9.055042256e−1
ACCESS-ESM1-5
lit_slow
lit_c_tan2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
5.70
5.46
5.22
4.98
4.74
4.50
4.26
4.02

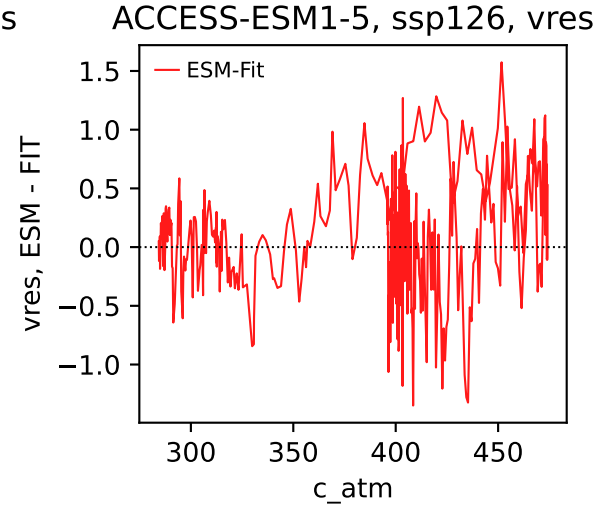

ACCESS-ESM1-5, ssp126, vres
ESM
Fit
vres
Year

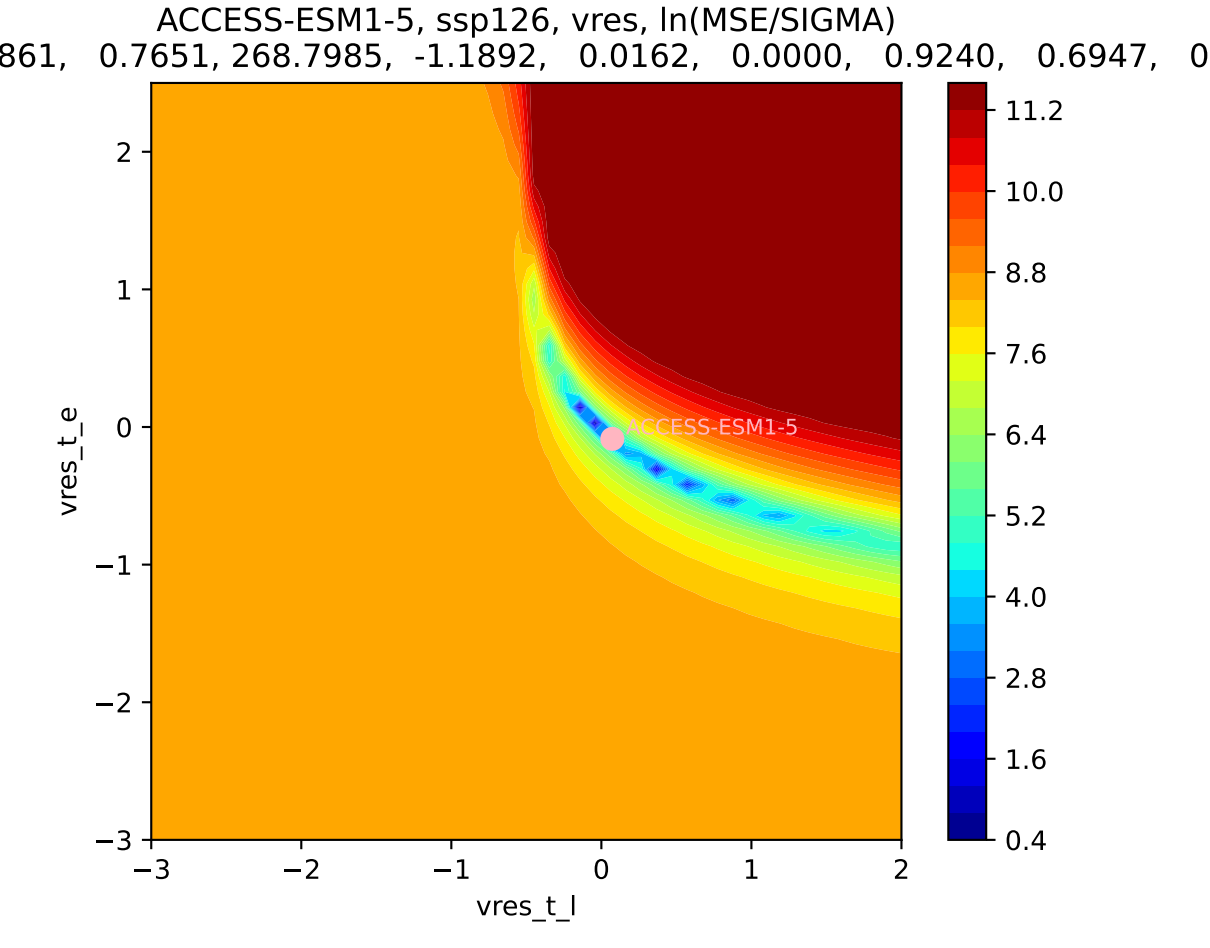

ACCESS-ESM1-5, ssp126, vres
ESM-Fit
vres, ESM - FIT
Year

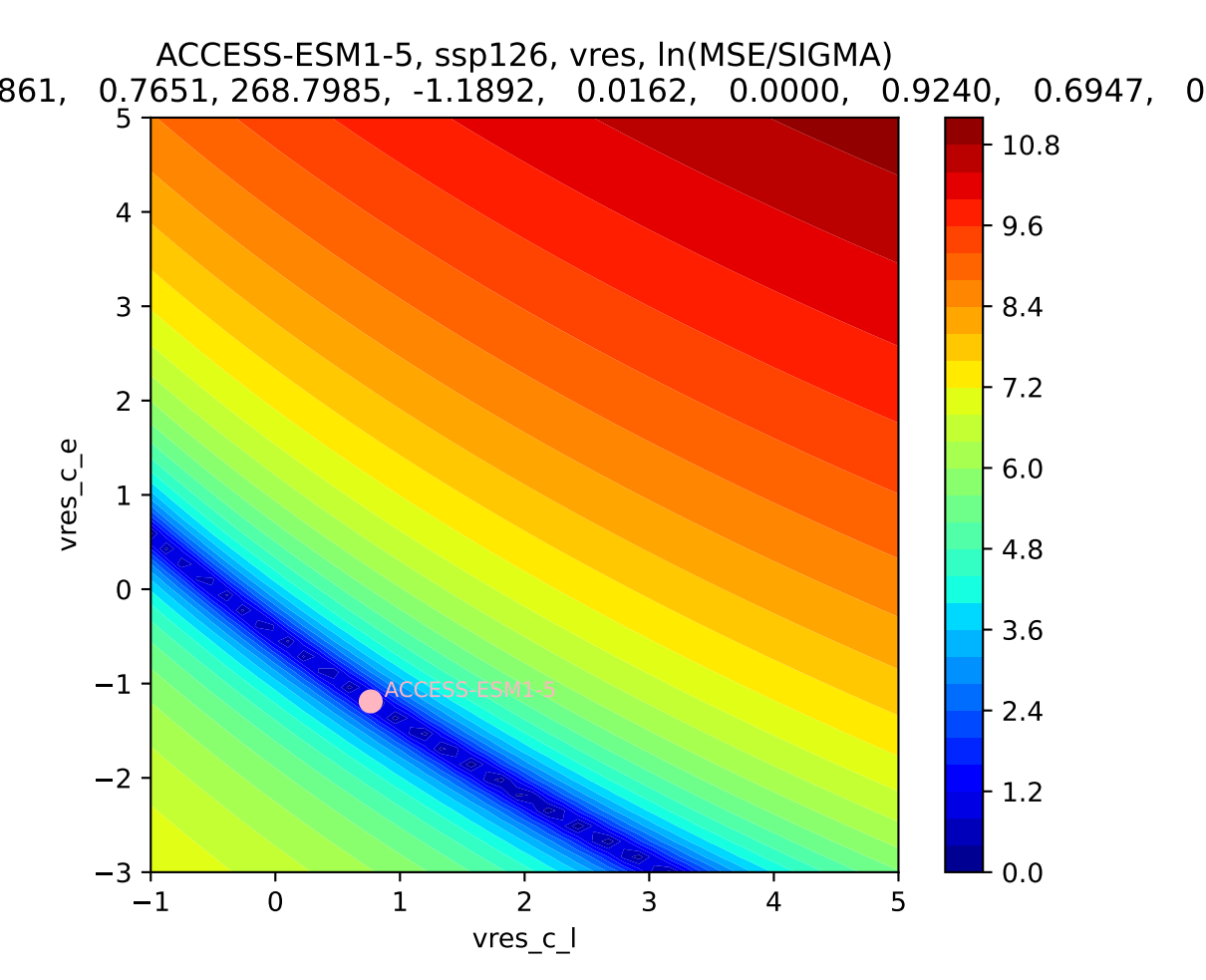

ACCESS-ESM1-5, ssp126, vres
ESM
Fit
vres
ΔT

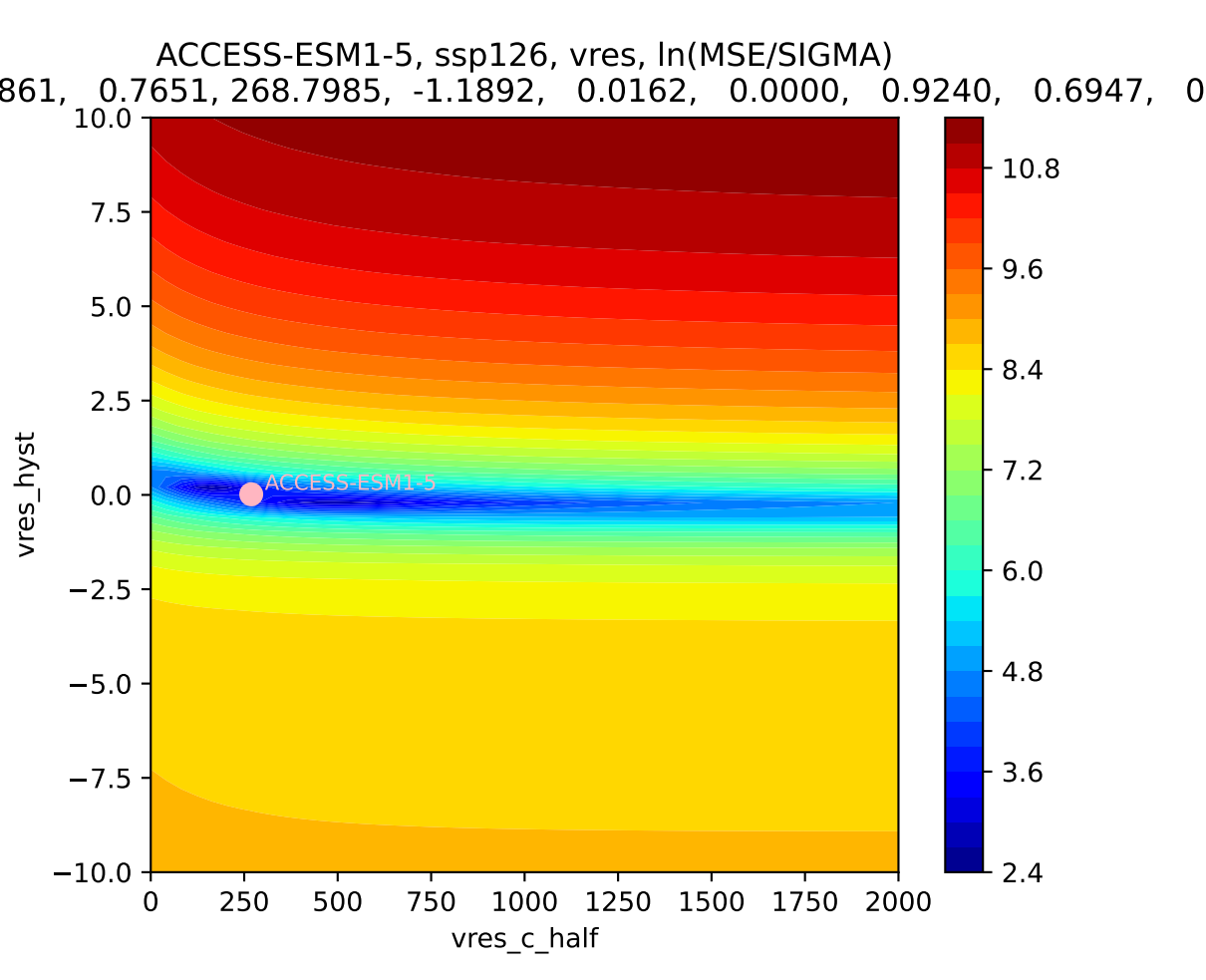

ACCESS-ESM1-5, ssp126, vres
ESM-Fit
vres, ESM - FIT
ΔT

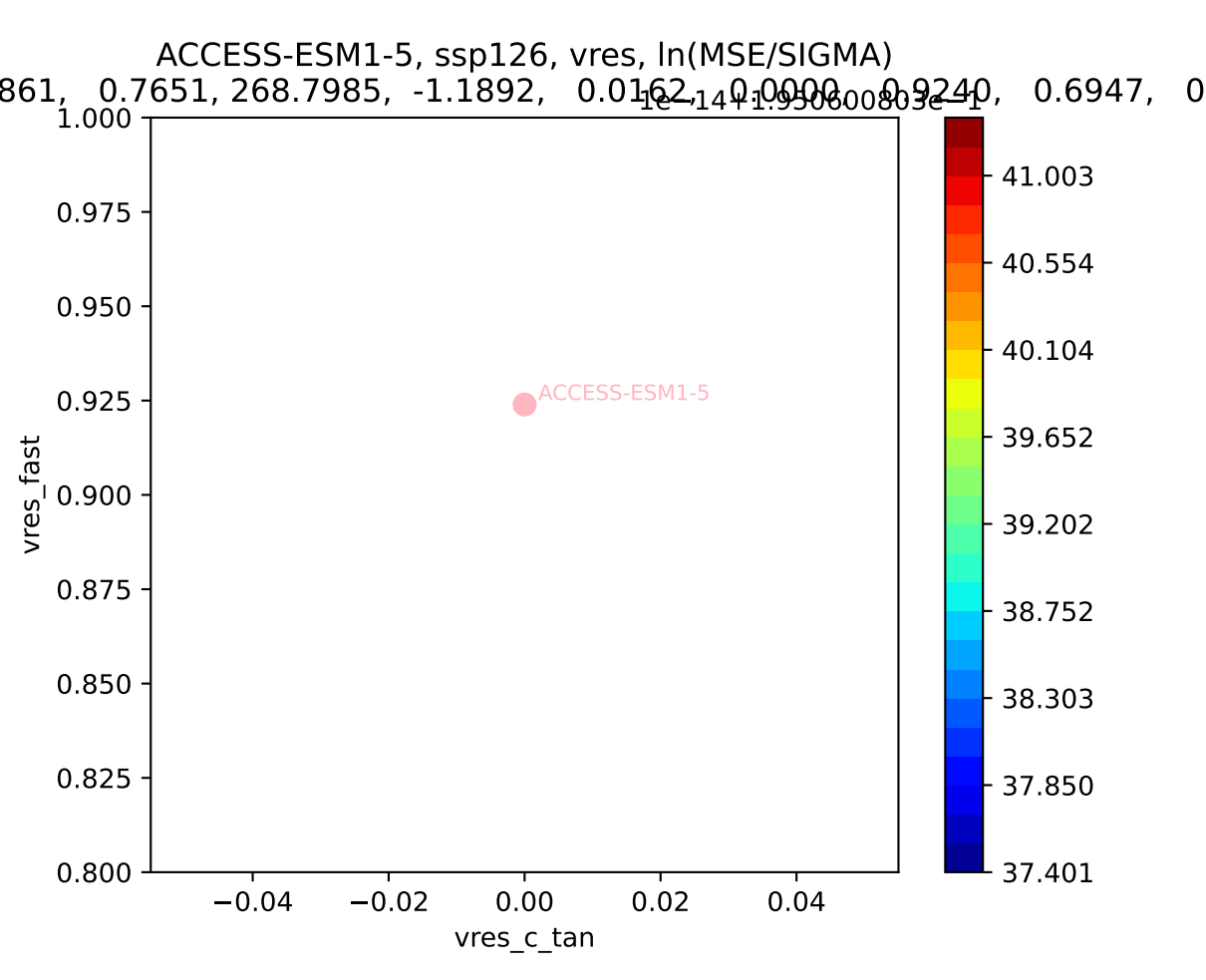

ACCESS-ESM1-5, ssp126, vres
ESM
Fit
vres
c_atm

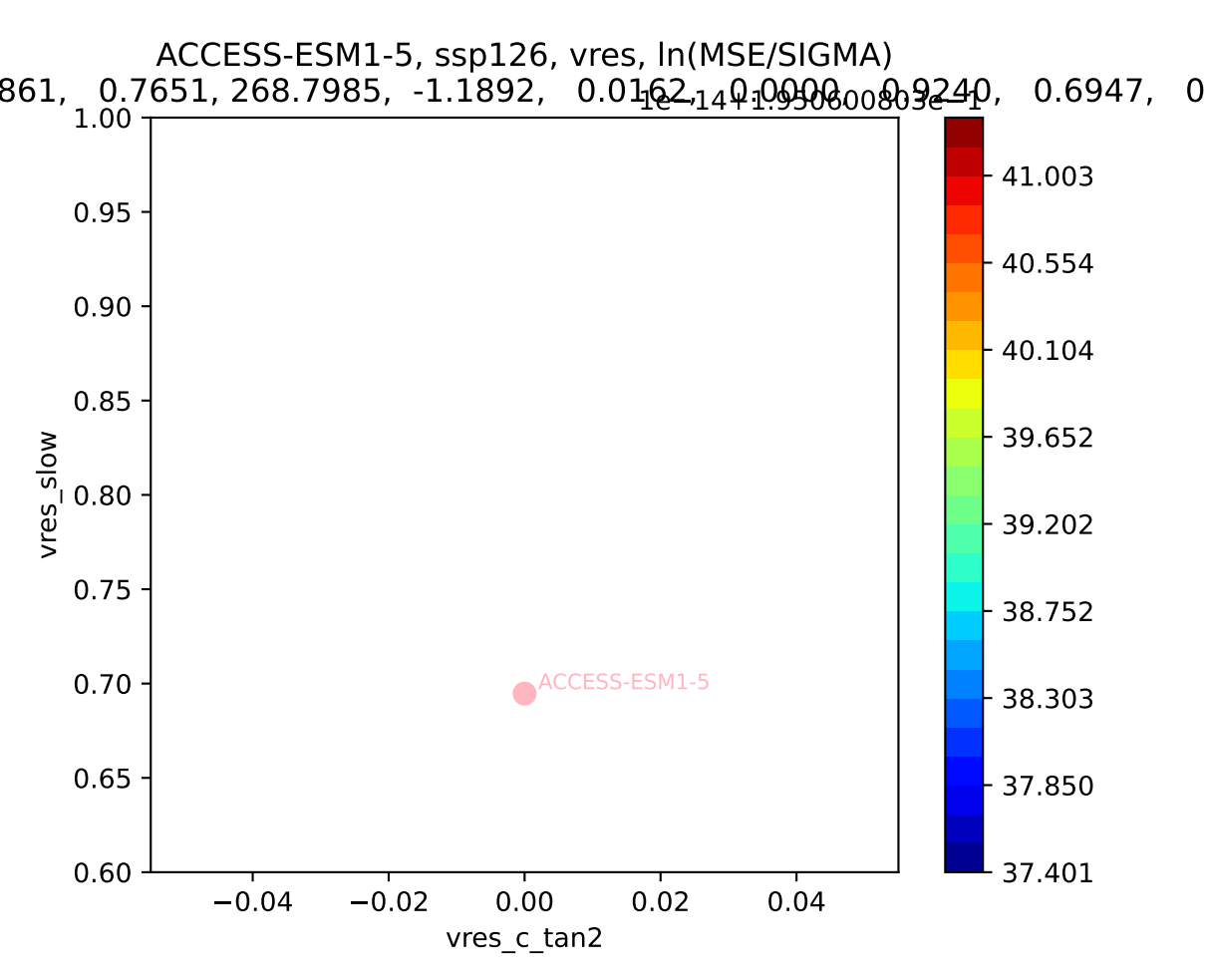

ACCESS-ESM1-5, ssp126, vres
ESM-Fit
vres, ESM - FIT
c_atm

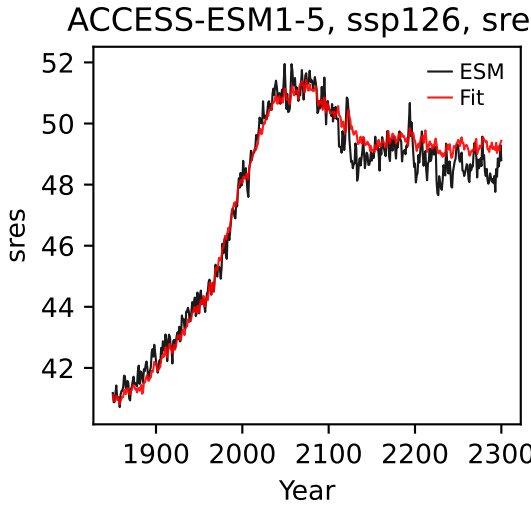

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
861, 0.7651, 268.7985, -1.1892, 0.0162, 0.0000, 0.9240, 0.6947, 0
ACCESS-ESM1-5
vres_t_e
vres_t_l
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

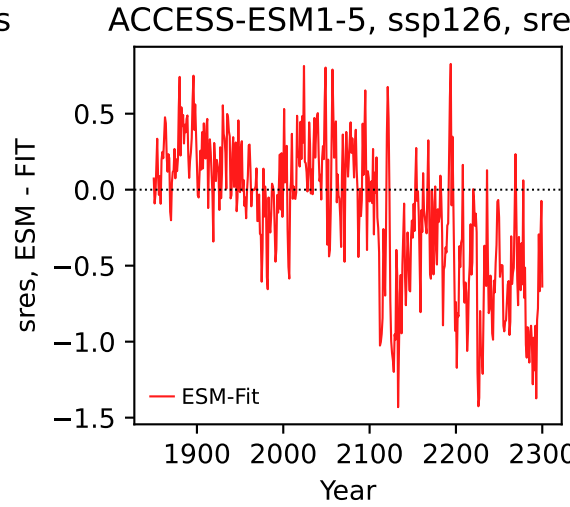

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
861, 0.7651, 268.7985, -1.1892, 0.0162, 0.0000, 0.9240, 0.6947, 0
ACCESS-ESM1-5
vres_c_e
vres_c_l
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

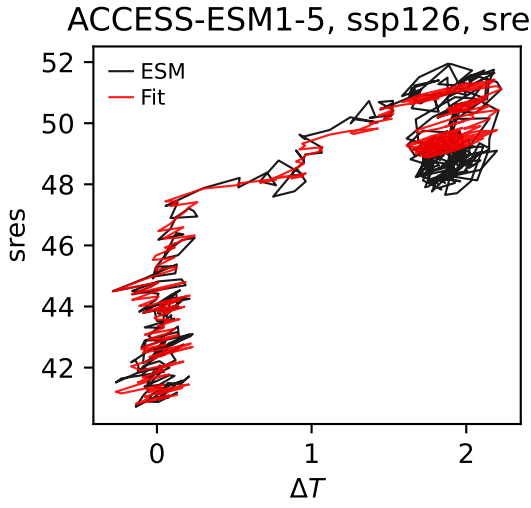

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
861, 0.7651, 268.7985, -1.1892, 0.0162, 0.0000, 0.9240, 0.6947, 0
ACCESS-ESM1-5
vres_hyst
vres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4

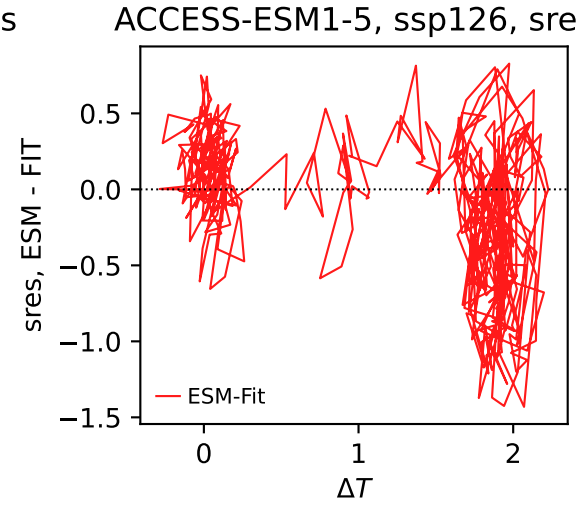

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
861, 0.7651, 268.7985, -1.1892, 0.0162, 0.0000, 0.9240, 0.6947, 0
1e−14+1.950600803e−1
ACCESS-ESM1-5
vres_fast
vres_c_tan
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
−0.04
−0.02
0.00
0.02
0.04
41.003
40.554
40.104
39.652
39.202
38.752
38.303
37.850
37.401

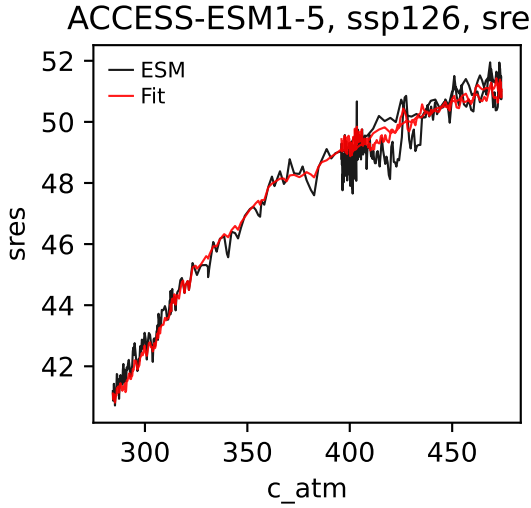

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
861, 0.7651, 268.7985, -1.1892, 0.0162, 0.0000, 0.9240, 0.6947, 0
1e−14+1.950600803e−1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
vres_c_tan2
41.003
40.554
40.104
39.652
39.202
38.752
38.303
37.850
37.401

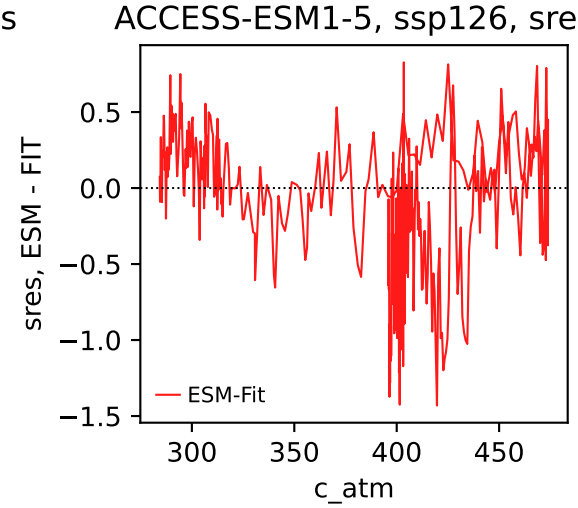

ACCESS-ESM1-5, ssp126, sres
ESM
Fit
sres
Year

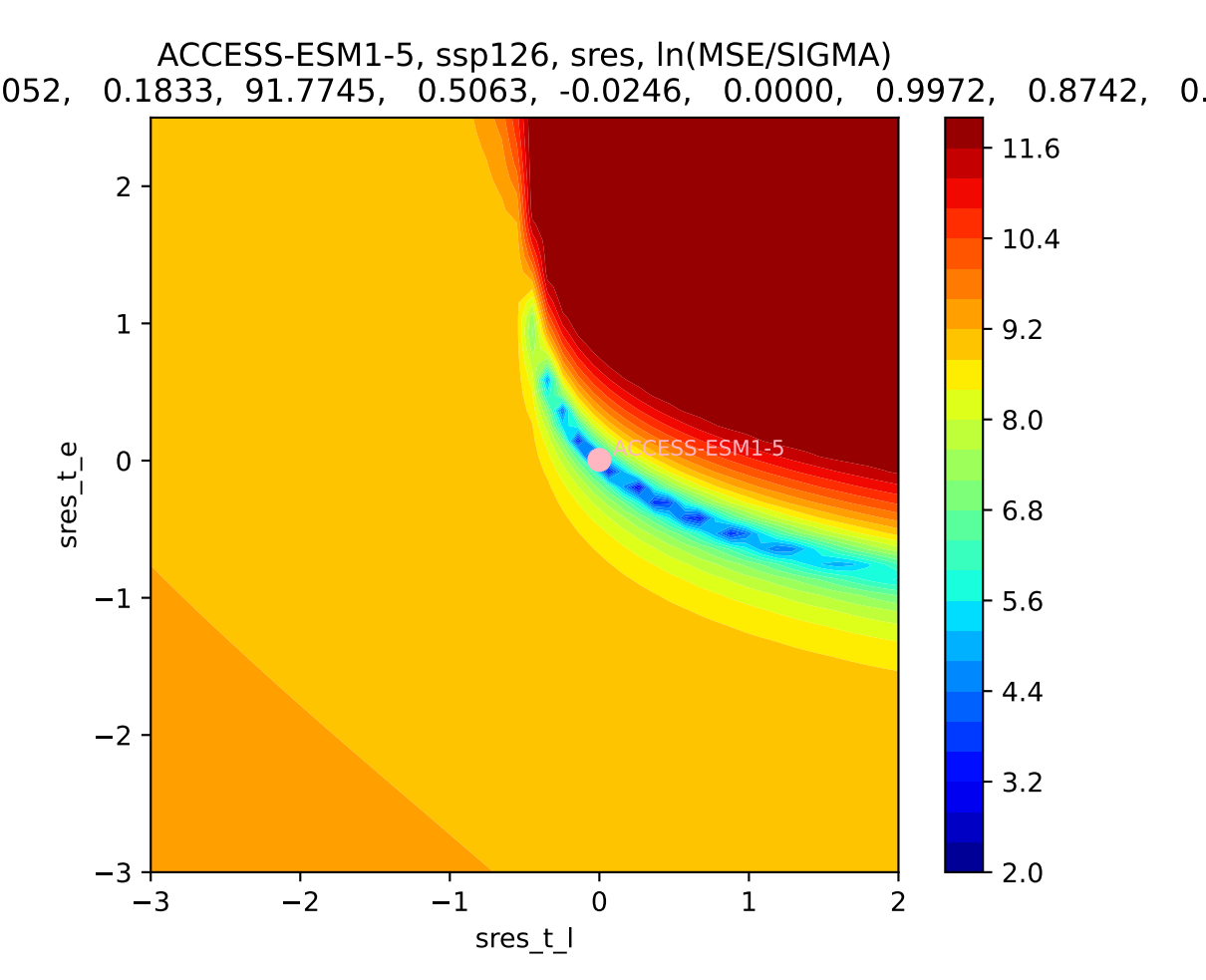

ACCESS-ESM1-5, ssp126, sres
ESM-Fit
sres, ESM - FIT
Year

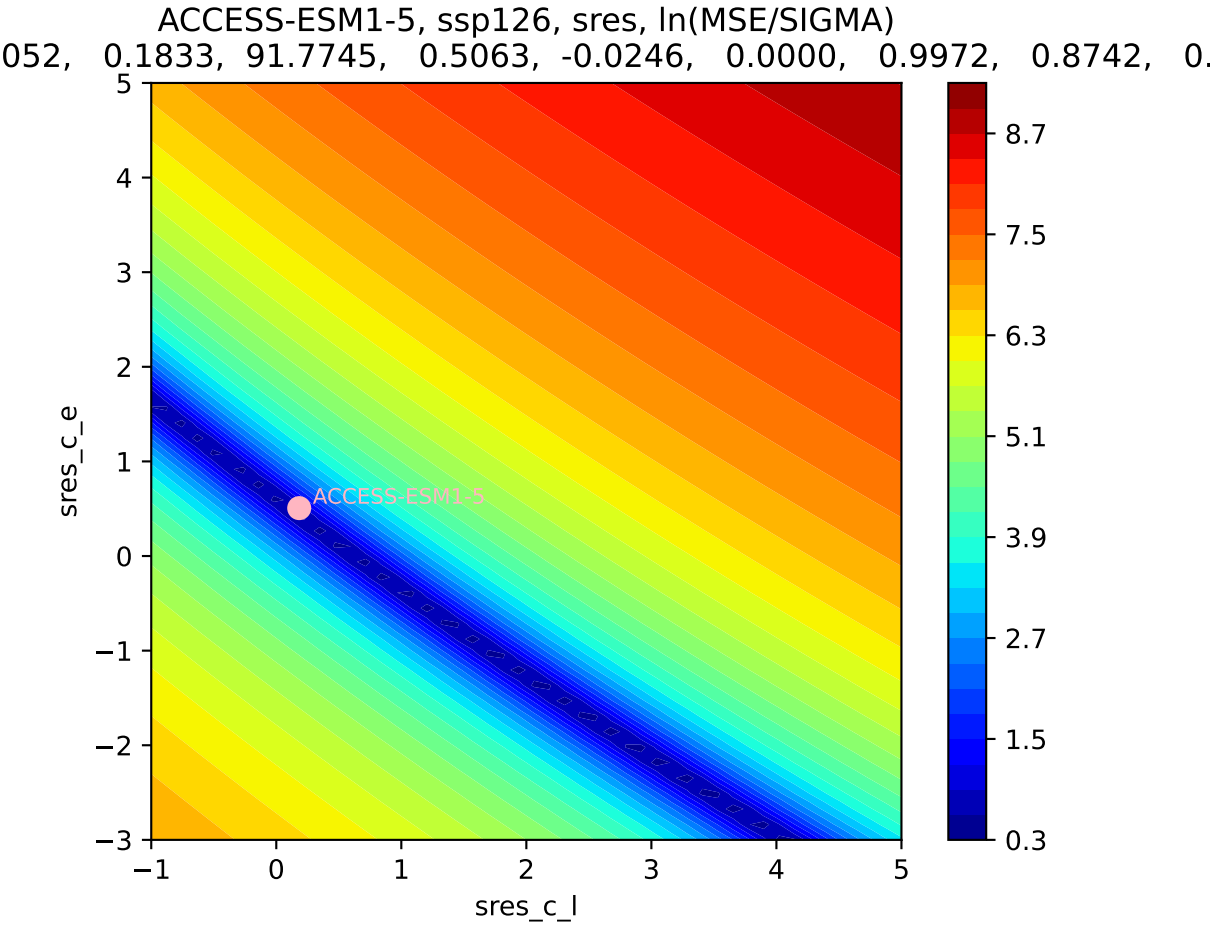

ACCESS-ESM1-5, ssp126, sres
ESM
Fit
sres
ΔT

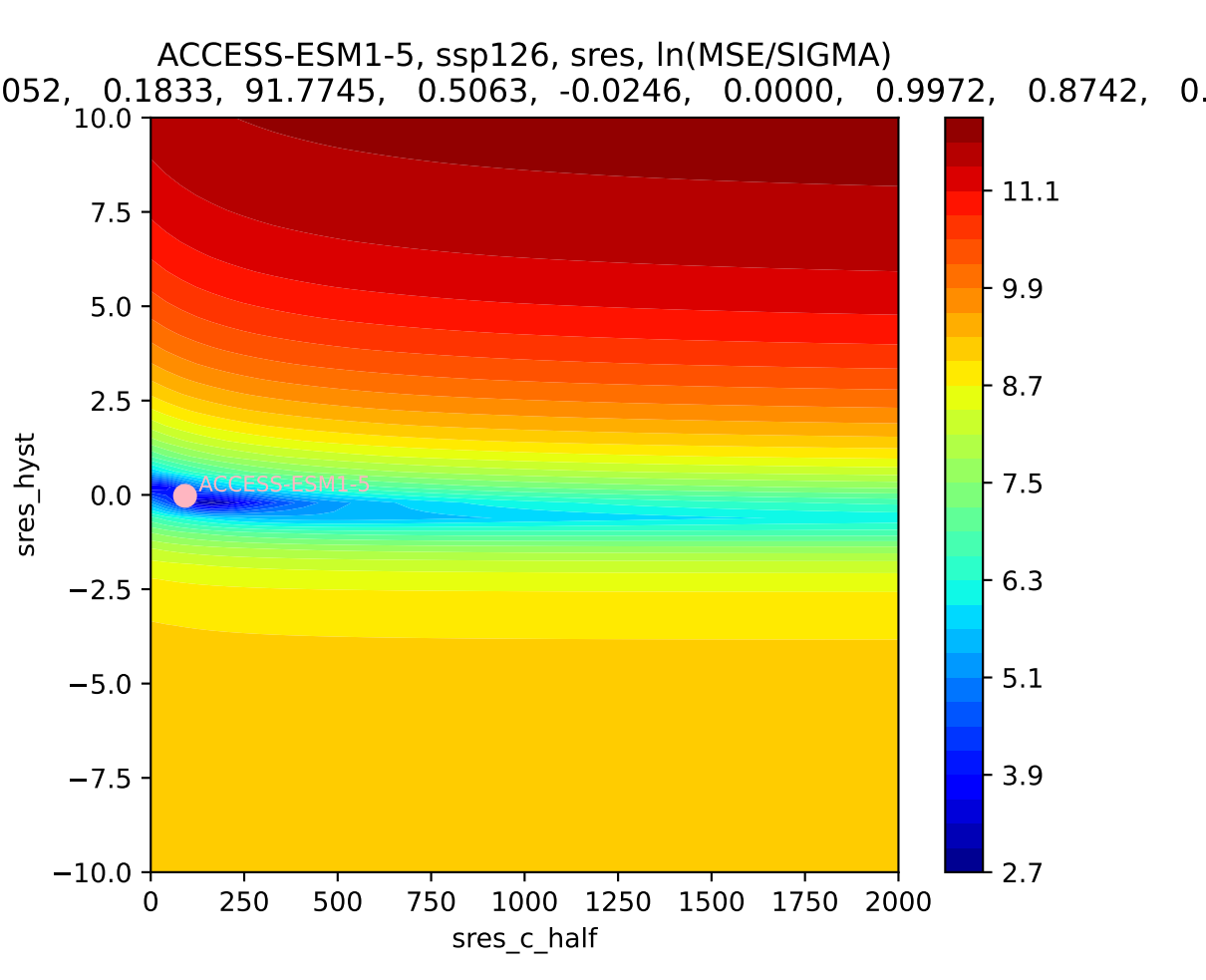

ACCESS-ESM1-5, ssp126, sres
ESM-Fit
sres, ESM - FIT
ΔT

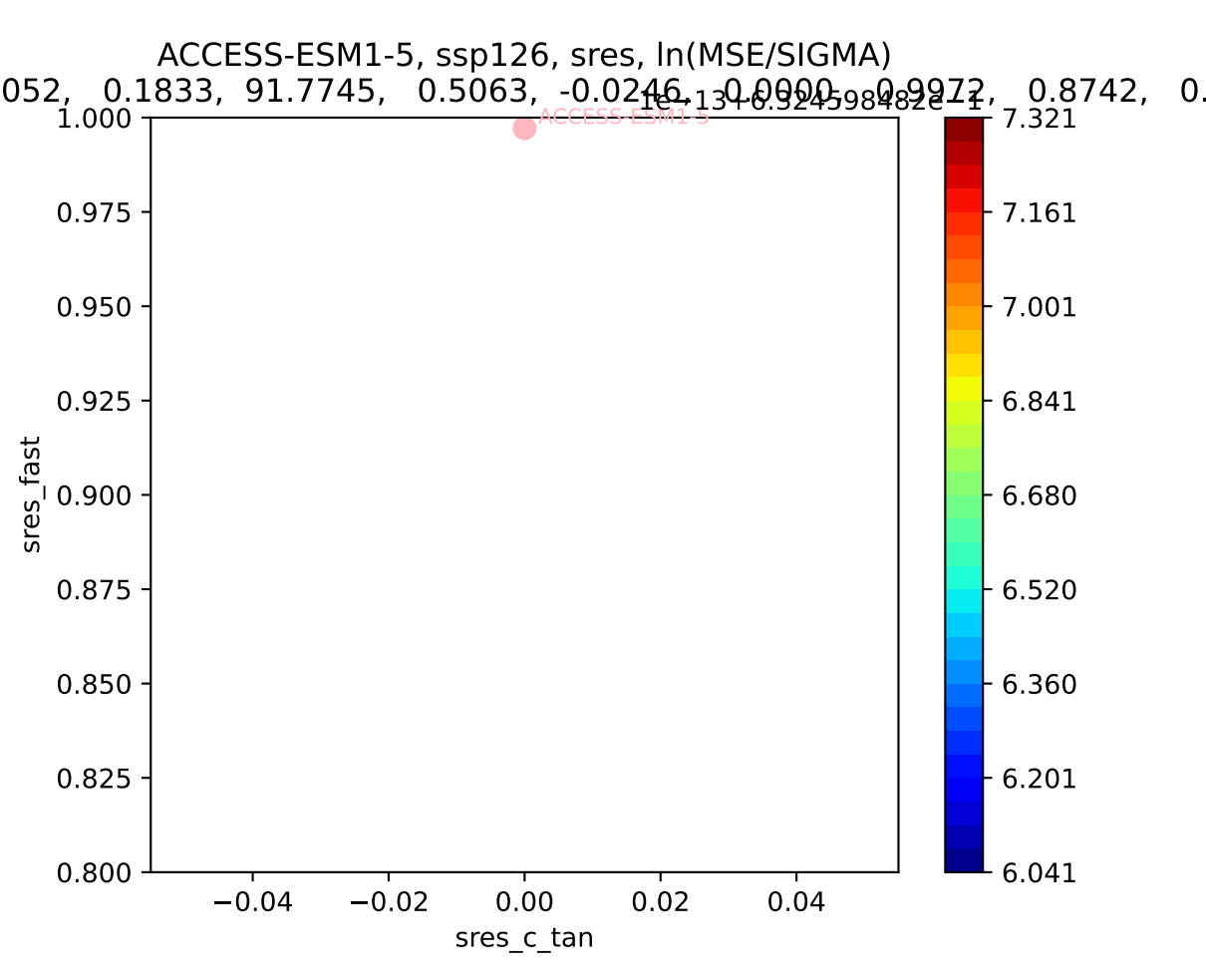

ACCESS-ESM1-5, ssp126, sres
ESM
Fit
sres
c_atm

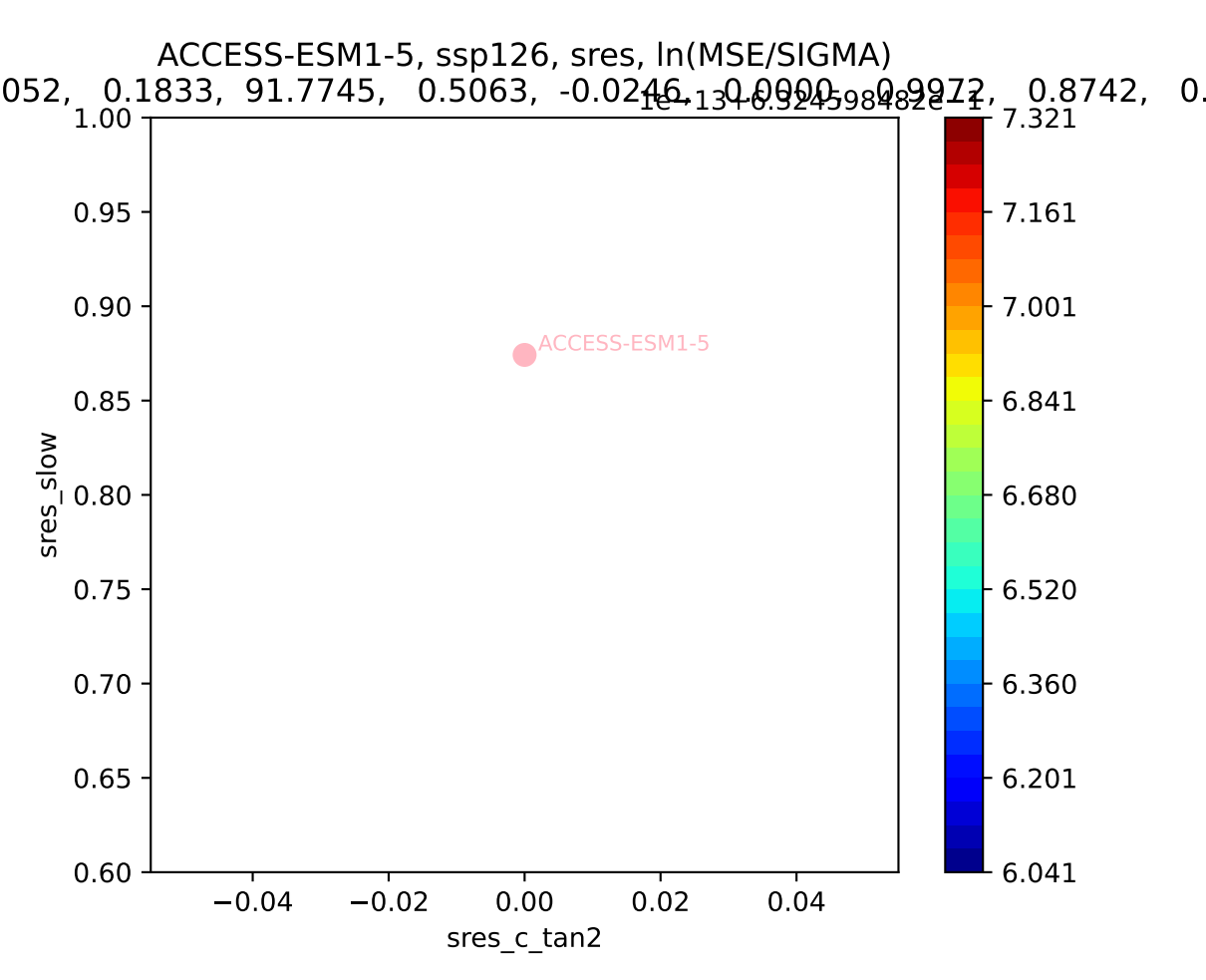

ACCESS-ESM1-5, ssp126, sres
ESM-Fit
sres, ESM - FIT
c_atm

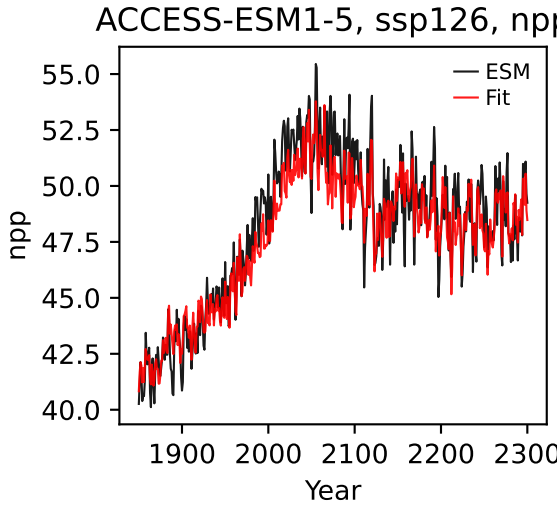

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7745, 0.5063, -0.0246, 0.0000, 0.9972, 0.8742, 0.
ACCESS-ESM1-5
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
11.6
10.4
9.2
8.0
6.8
5.6
4.4
3.2
2.0

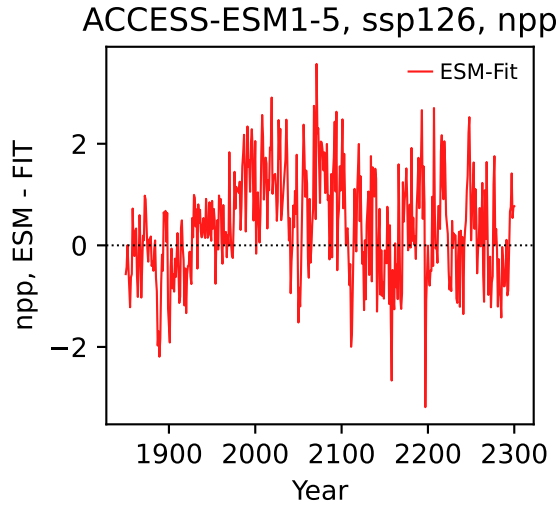

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7745, 0.5063, -0.0246, 0.0000, 0.9972, 0.8742, 0.
ACCESS-ESM1-5
sres_c_e
sres_c_l
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
8.7
7.5
6.3
5.1
3.9
2.7
1.5
0.3

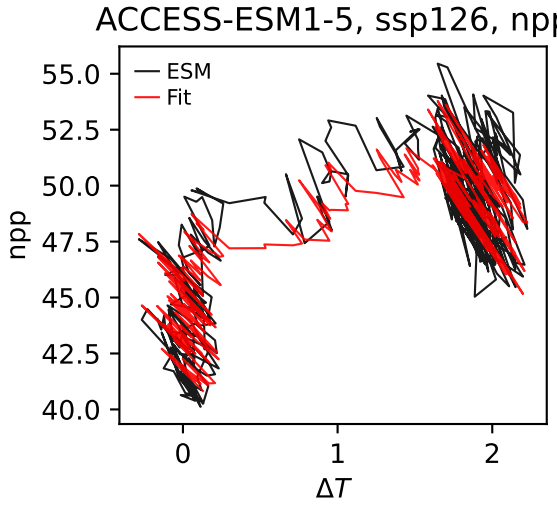

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7745, 0.5063, -0.0246, 0.0000, 0.9972, 0.8742, 0.
ACCESS-ESM1-5
sres_hyst
sres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
11.1
9.9
8.7
7.5
6.3
5.1
3.9
2.7

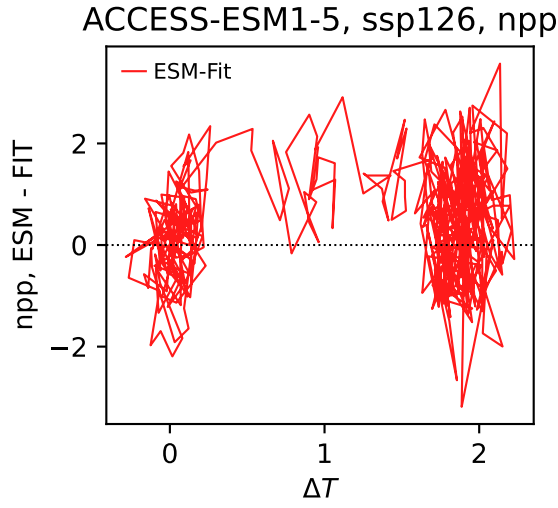

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7745, 0.5063, -0.0246, 0.0000, 0.9972, 0.8742, 0.
1e-13+6.324598482e-1
ACCESS-ESM1-5
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
sres_fast
−0.04
−0.02
0.00
0.02
0.04
sres_c_tan
7.321
7.161
7.001
6.841
6.680
6.520
6.360
6.201
6.041

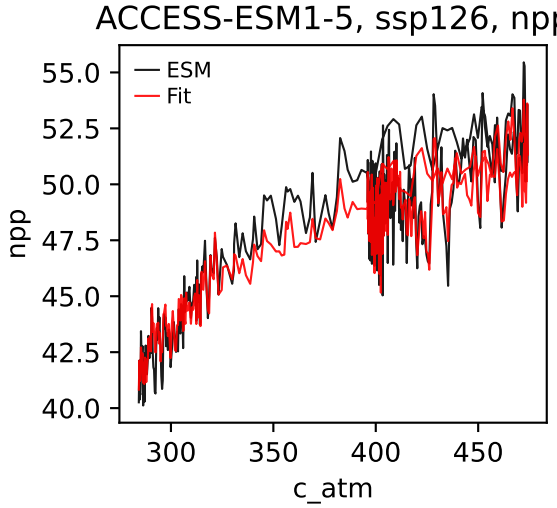

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7745, 0.5063, -0.0246, 0.0000, 0.9972, 0.8742, 0.
1e+13+6.324598482e+1
ACCESS-ESM1-5
sres_slow
sres_c_tan2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
7.321
7.161
7.001
6.841
6.680
6.520
6.360
6.201
6.041

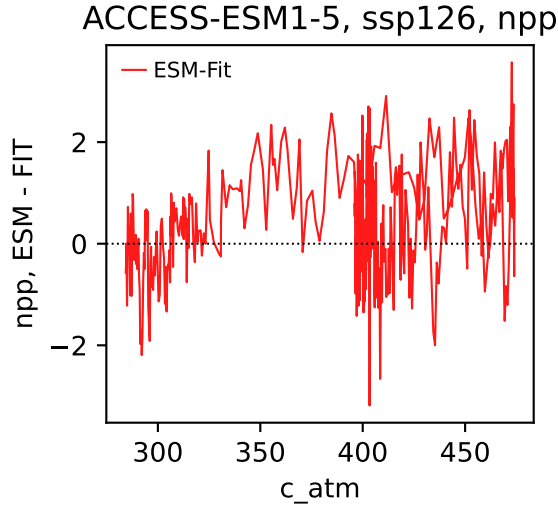

ACCESS-ESM1-5, ssp126, npp
ESM
Fit
npp
55.0
52.5
50.0
47.5
45.0
42.5
40.0
1900
2000
2100
2200
2300
Year

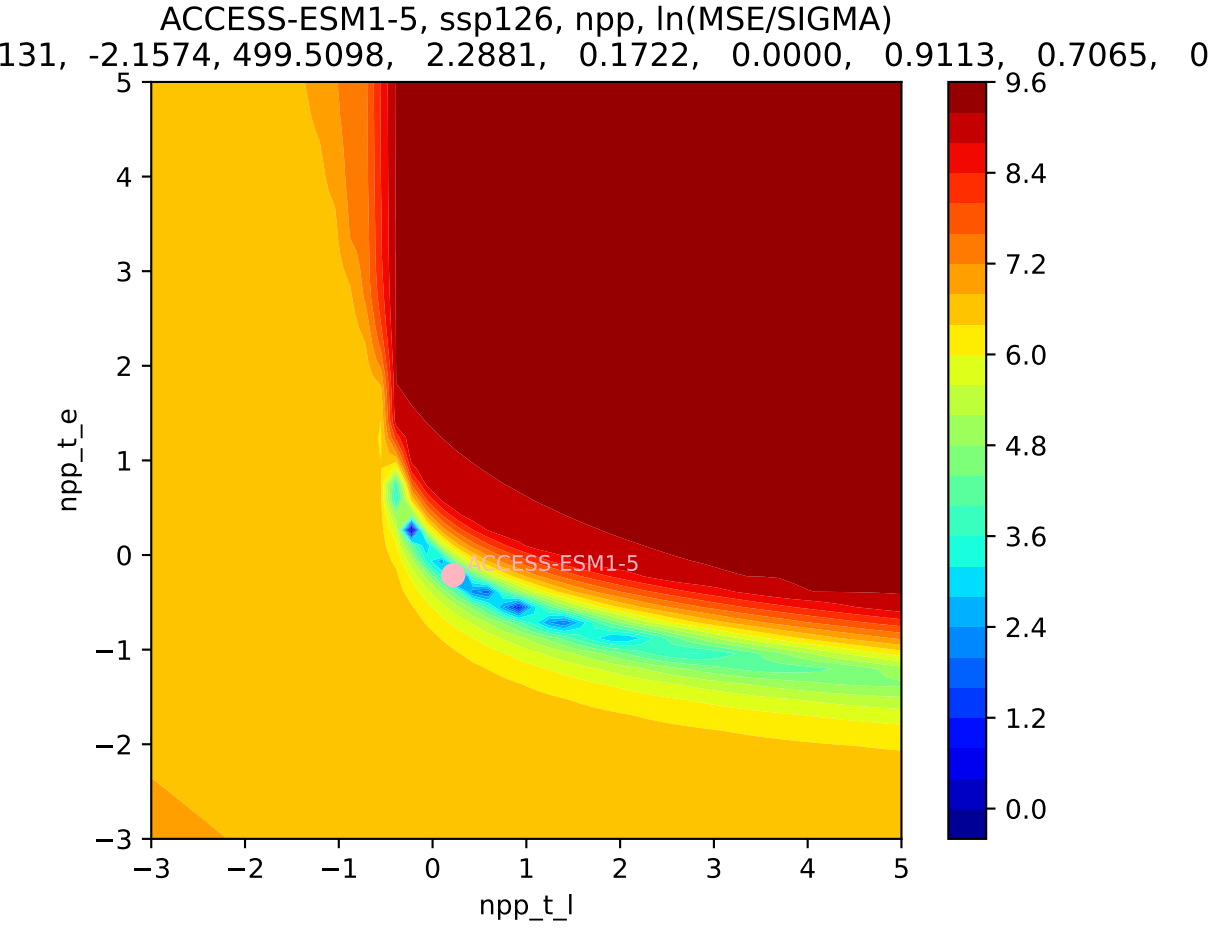

ACCESS-ESM1-5, ssp126, npp
ESM-Fit
npp, ESM - FIT
2
0
−2
1900
2000
2100
2200
2300
Year

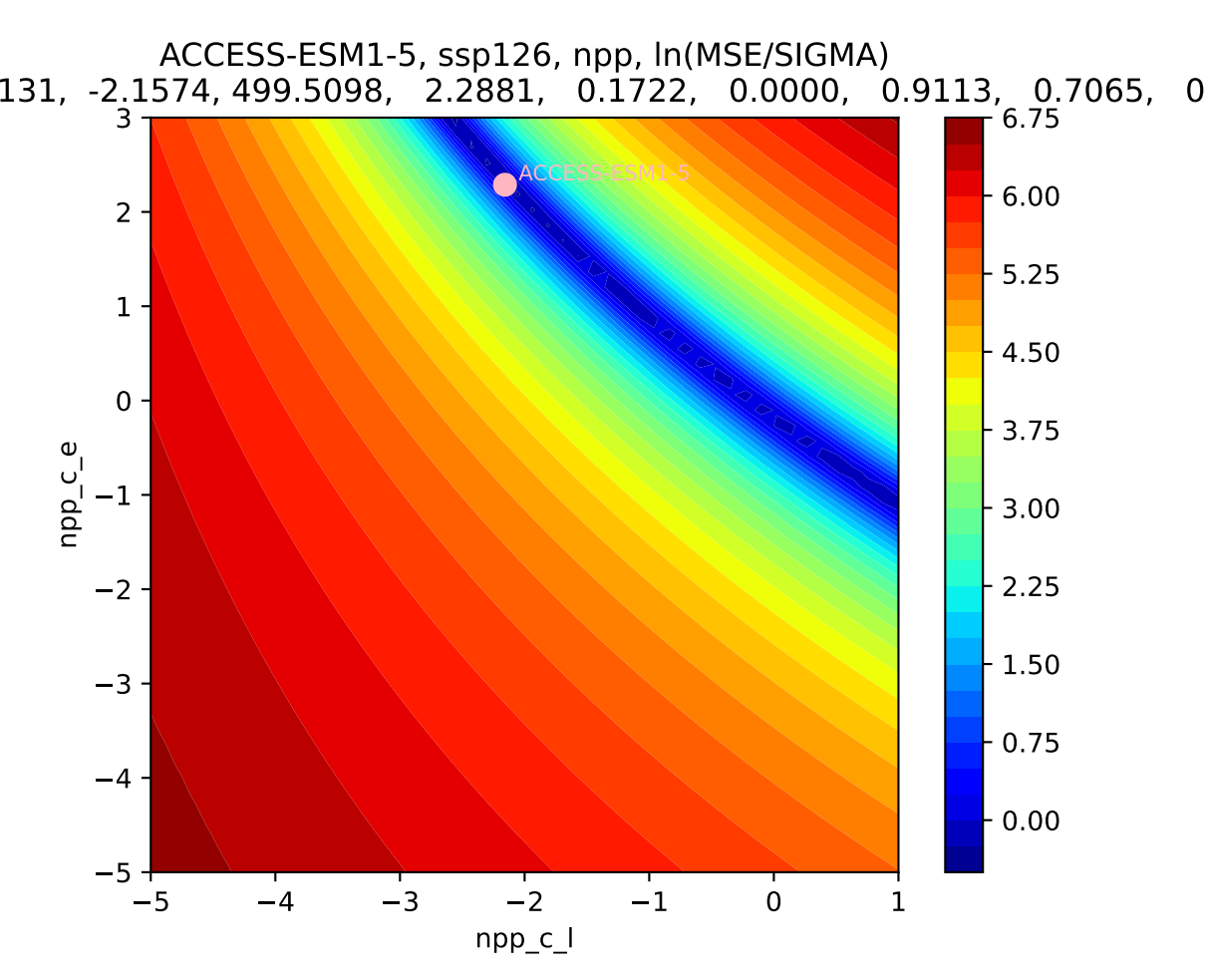

ACCESS-ESM1-5, ssp126, npp
ESM
Fit
npp
55.0
52.5
50.0
47.5
45.0
42.5
40.0
0
1
2
ΔT

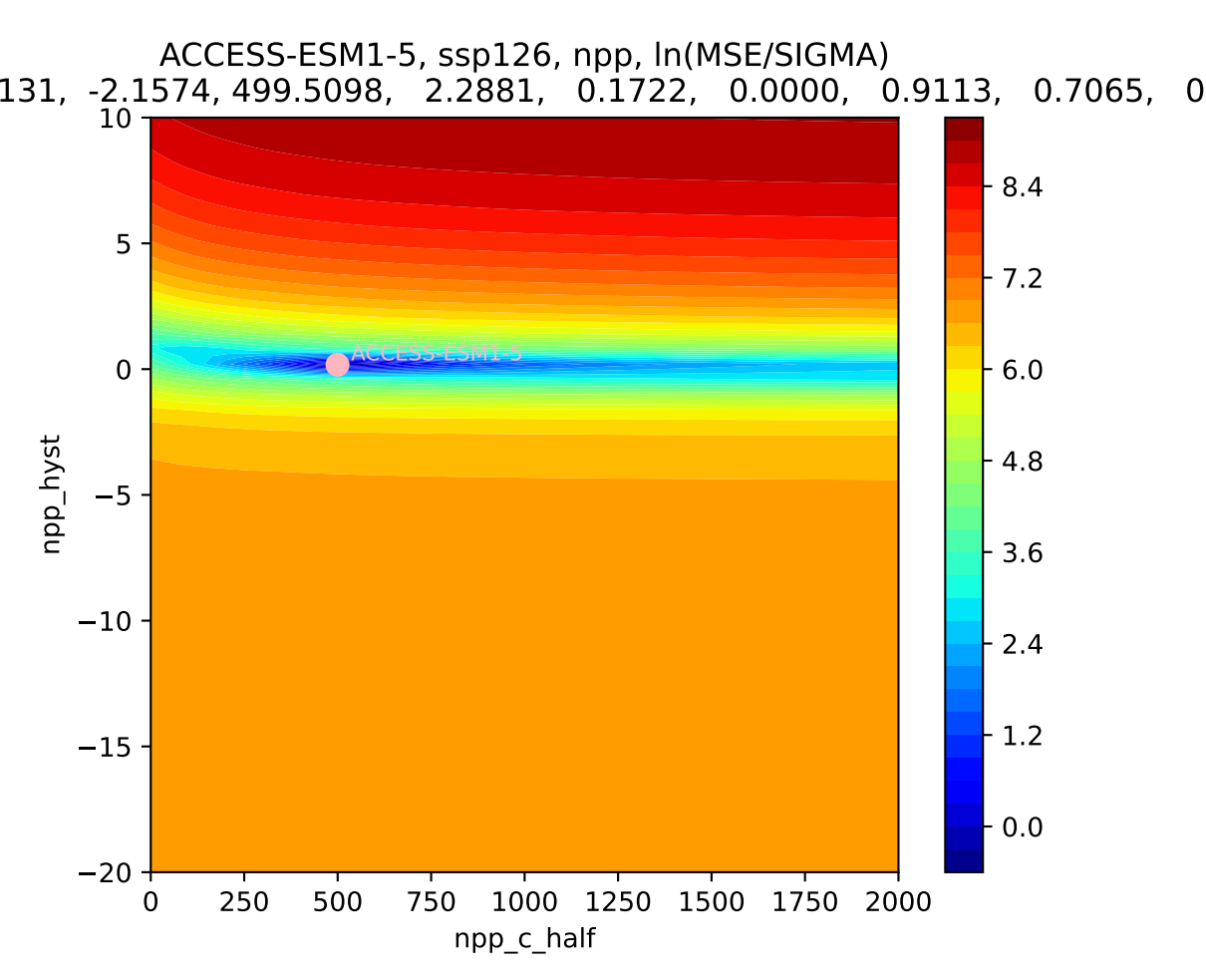

ACCESS-ESM1-5, ssp126, npp
ESM-Fit
npp, ESM - FIT
2
0
−2
0
1
2
ΔT

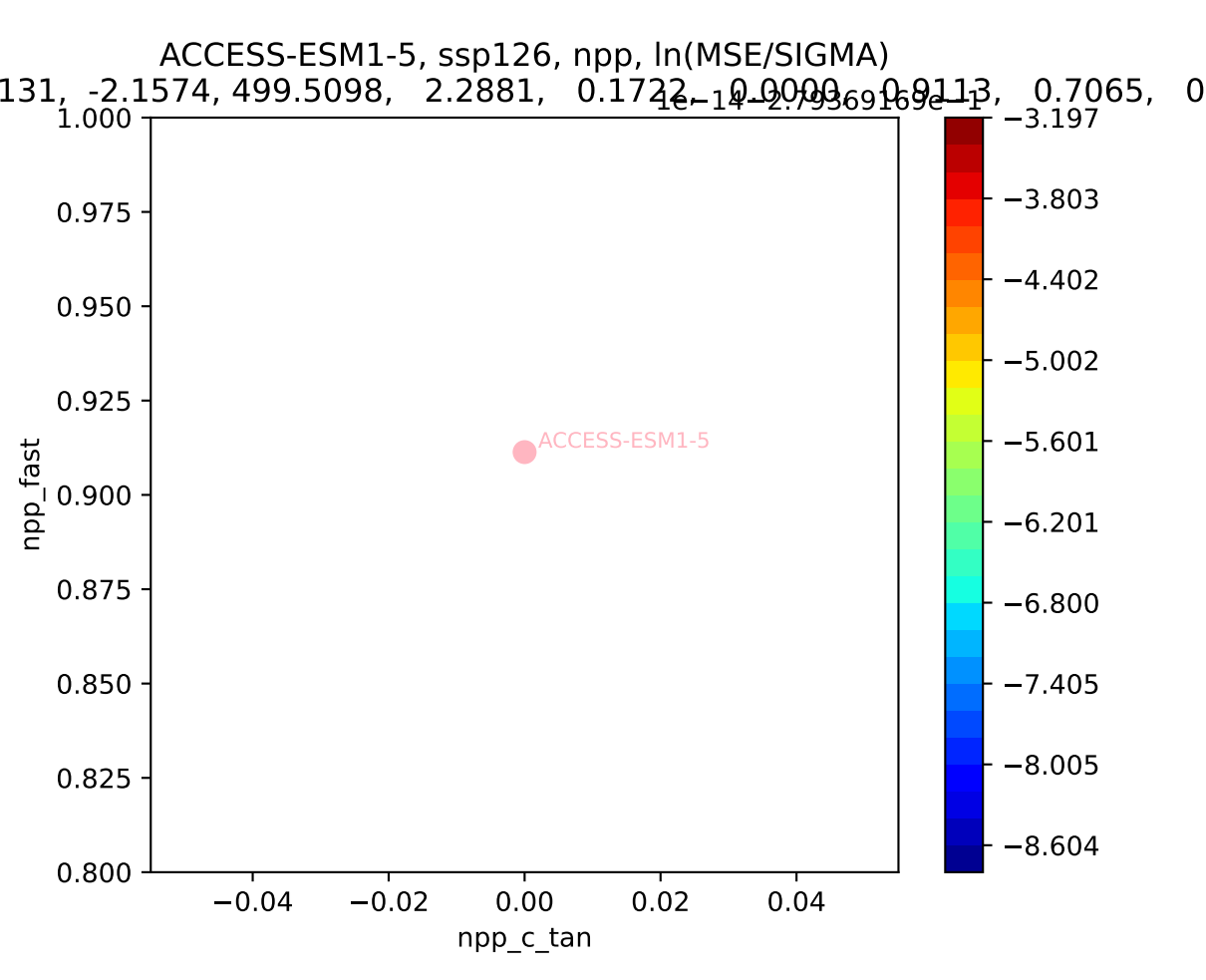

ACCESS-ESM1-5, ssp126, npp
ESM
Fit
npp
55.0
52.5
50.0
47.5
45.0
42.5
40.0
300
350
400
450
c_atm

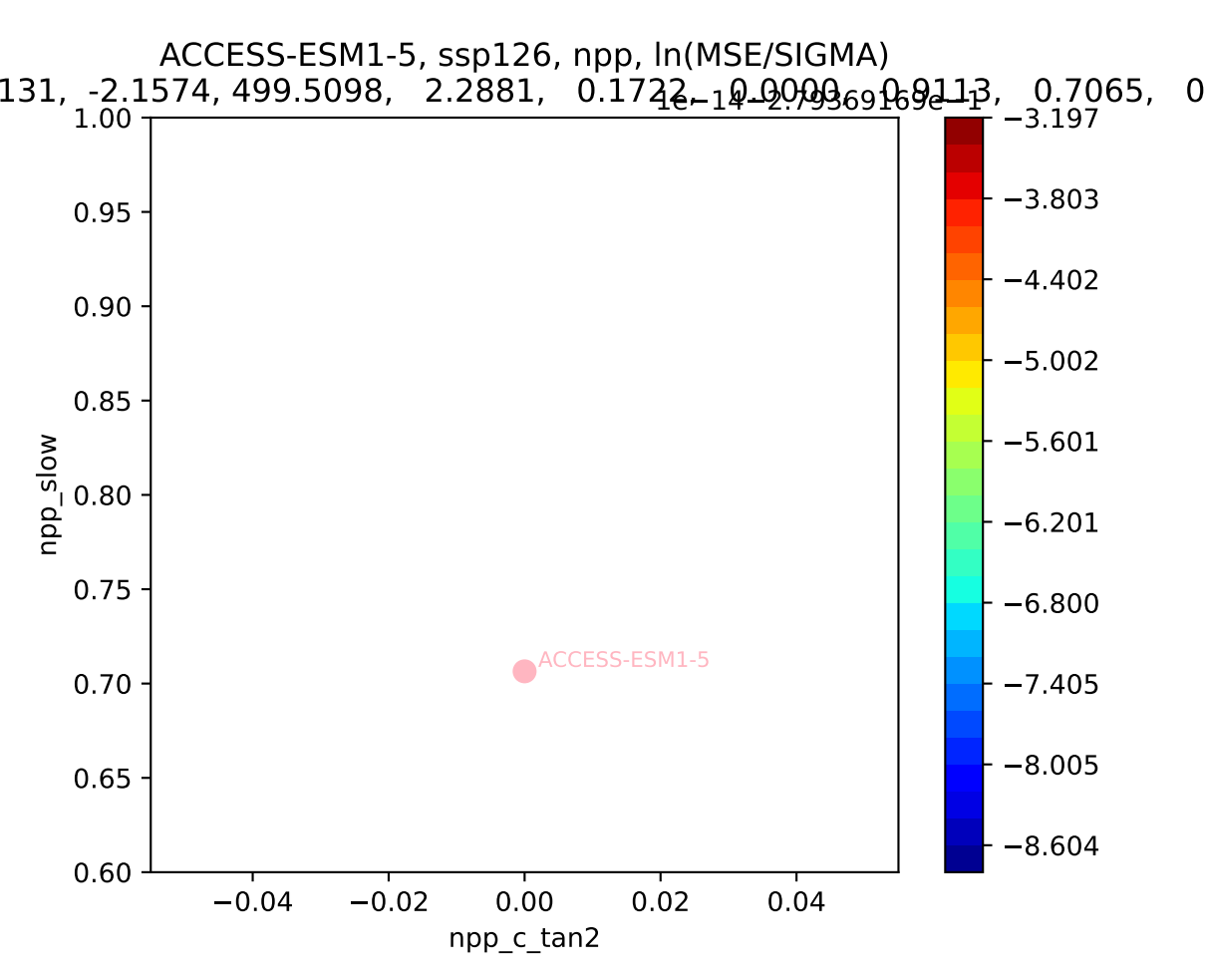

ACCESS-ESM1-5, ssp126, npp
ESM-Fit
npp, ESM - FIT
2
0
−2
300
350
400
450
c_atm

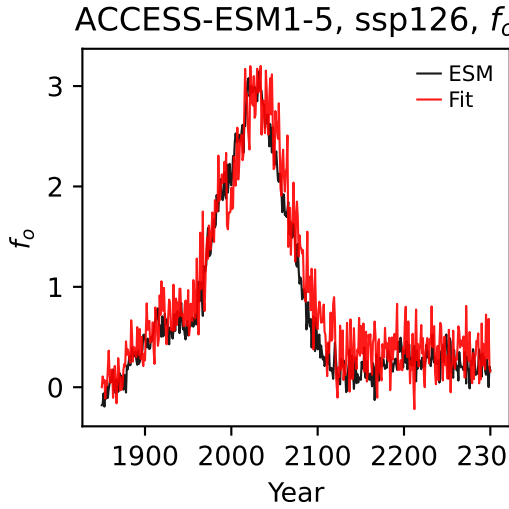

ACCESS-ESM1-5, ssp126, npp, ln(MSE/SIGMA)
131, -2.1574, 499.5098, 2.2881, 0.1722, 0.0000, 0.9113, 0.7065, 0
ACCESS-ESM1-5
npp_t_e
npp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

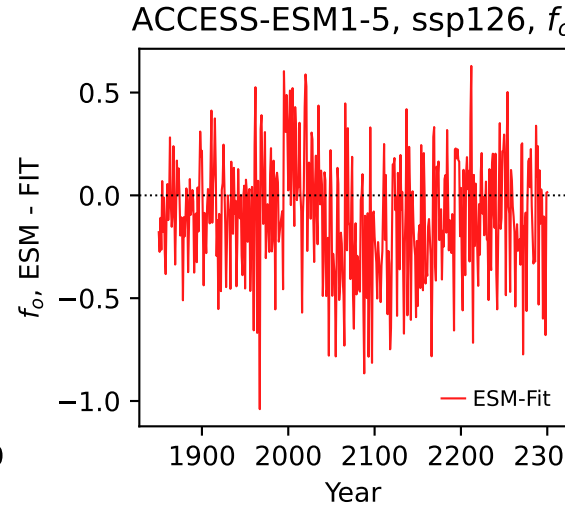

ACCESS-ESM1-5, ssp126, npp, ln(MSE/SIGMA)
131, -2.1574, 499.5098, 2.2881, 0.1722, 0.0000, 0.9113, 0.7065, 0
ACCESS-ESM1-5
npp_c_e
npp_c_l
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75
0.00


ACCESS-ESM1-5, ssp126, 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, ssp126, npp, ln(MSE/SIGMA)
131, -2.1574, 499.5098, 2.2881, 0.1722, 0.0000, 0.9113, 0.7065, 0
1e−14−2.793691e−1
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
−3.197
−3.803
−4.402
−5.002
−5.601
−6.201
−6.800
−7.405
−8.005
−8.604


ACCESS-ESM1-5, ssp126, npp, ln(MSE/SIGMA)
131, -2.1574, 499.5098, 2.2881, 0.1722, 0.0000, 0.9113, 0.7065, 0
1e−14−2.793691e−1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
−0.04
−0.02
0.00
0.02
0.04
npp_c_tan2
ACCESS-ESM1-5
−3.197
−3.803
−4.402
−5.002
−5.601
−6.201
−6.800
−7.405
−8.005
−8.604


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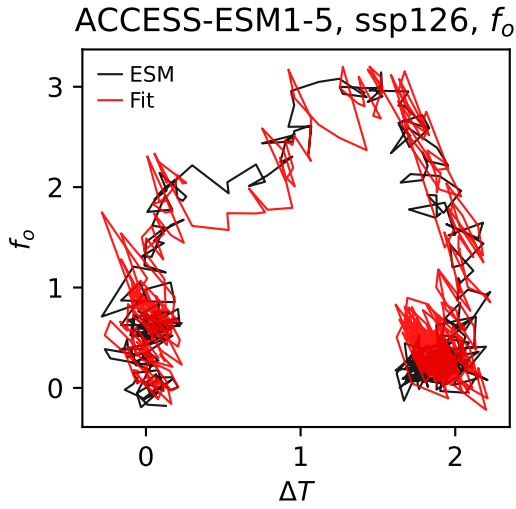
f_o, ESM - FIT
ESM-Fit
Year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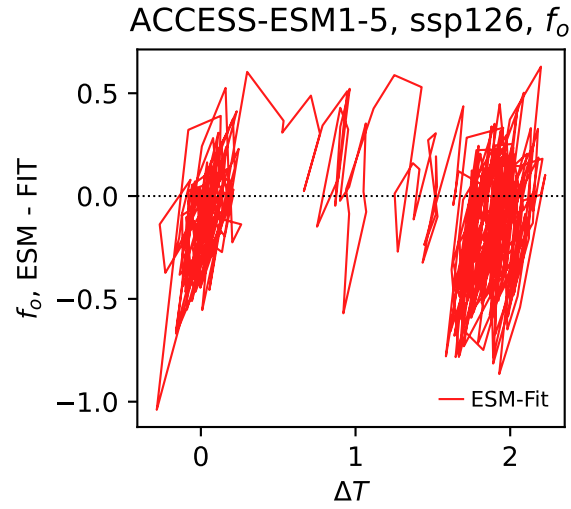
ESM
Fit
f_o
ΔT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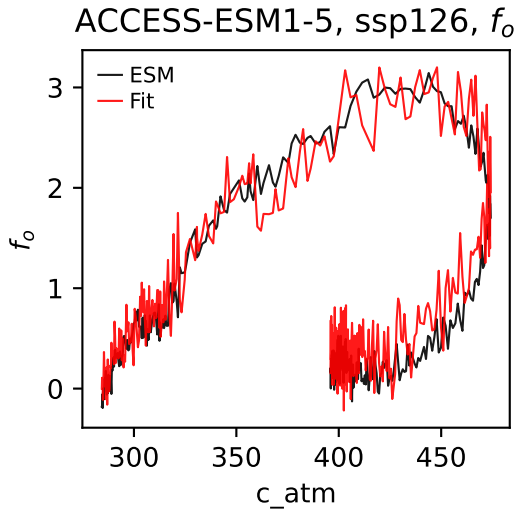
f_o, ESM - FIT
ESM-Fit
ΔT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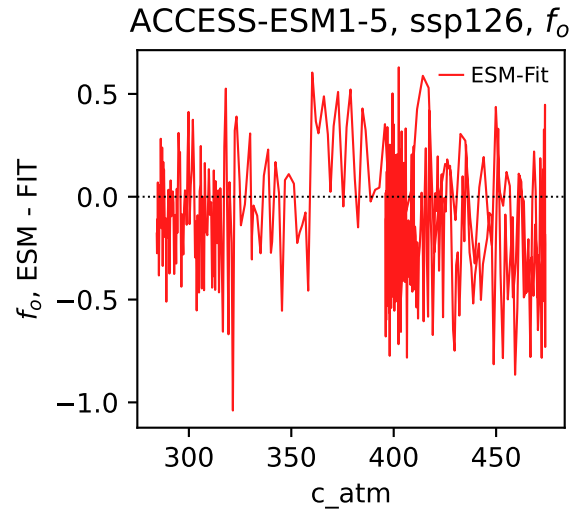
ESM
Fit
f_o
c_atm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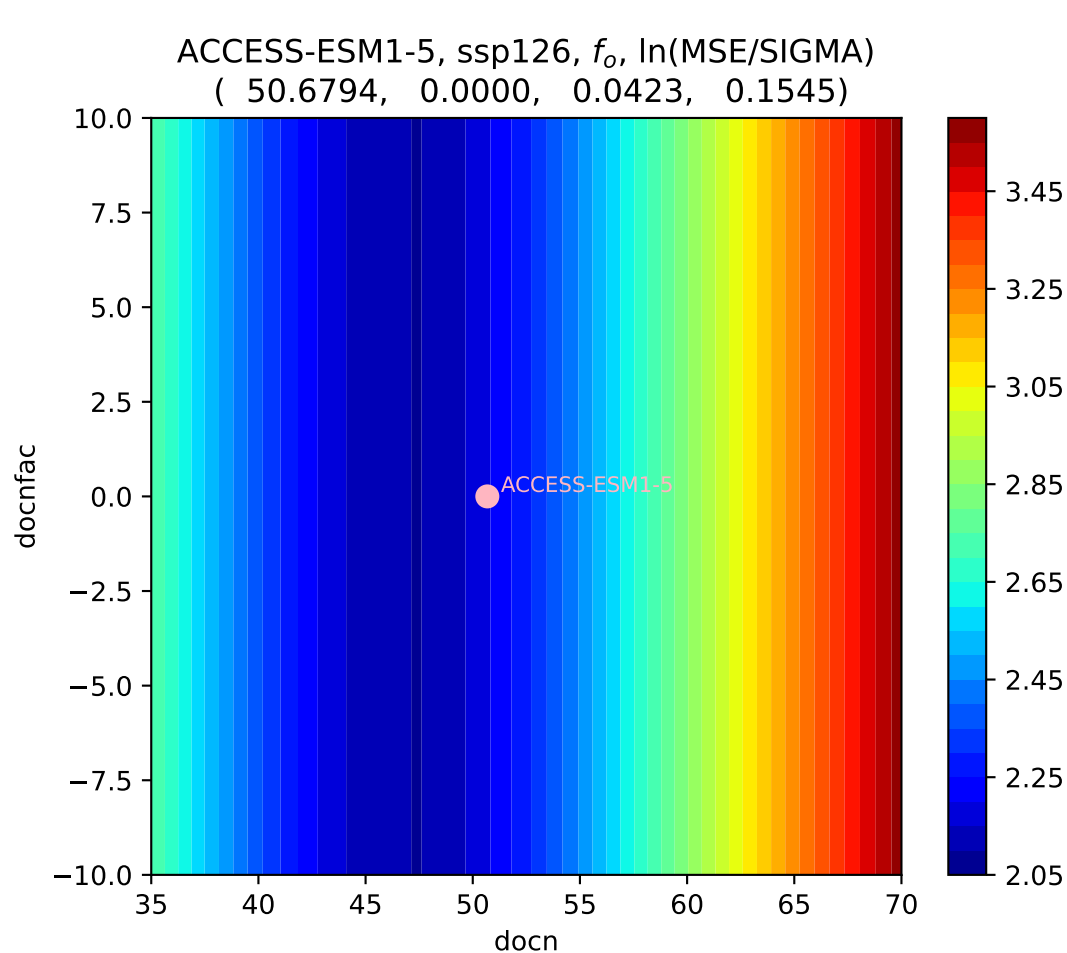
f_o, ESM - FIT
ESM-Fit
c_atm


ACCESS-ESM1-5, ssp126, 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
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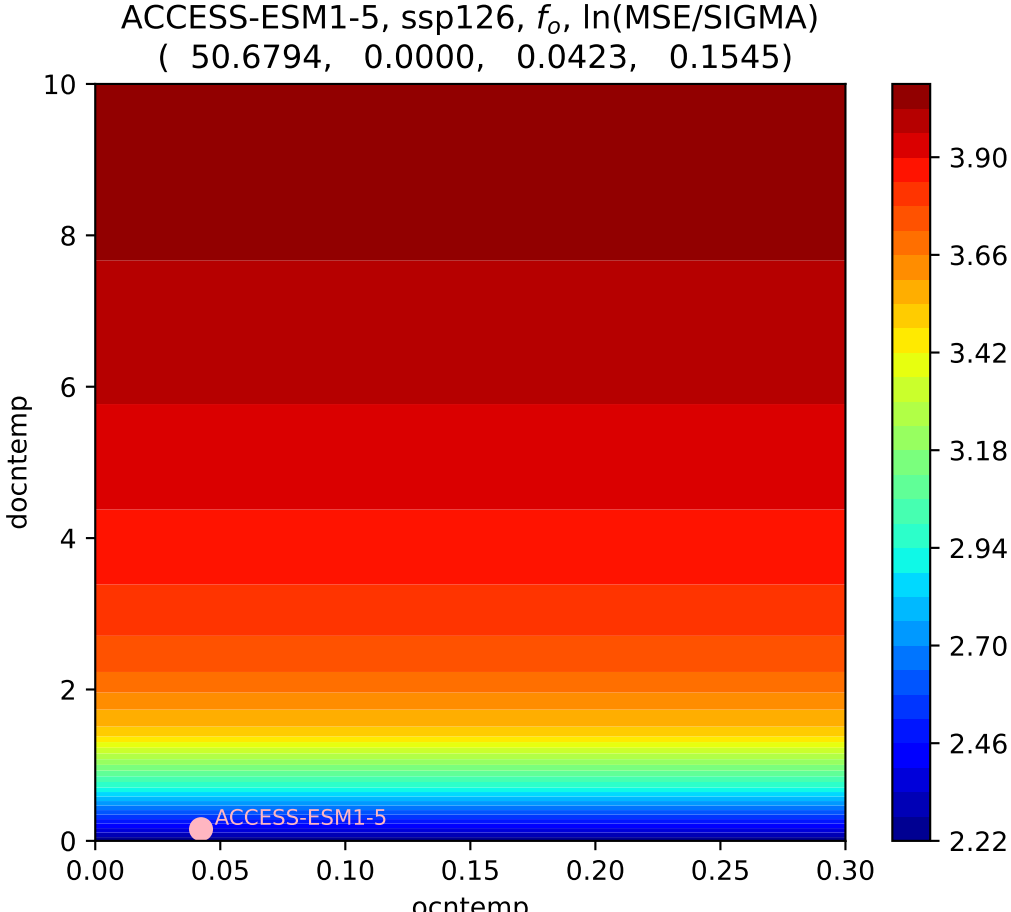
60
65
70
3.45
3.25
3.05
2.85
2.65
2.45
2.25
2.05


ACCESS-ESM1-5, ssp126, f_o, ln(MSE/SIGMA)
(50.6794, 0.0000, 0.0423, 0.1545)
docntemp
ocntemp
ACCESS-ESM1-5
0
2
4
6
8
10
0.00
0.05
0.10
0.15
0.20
0.25
0.30
3.90
3.66
3.42
3.18
2.94
2.70
2.46
2.22