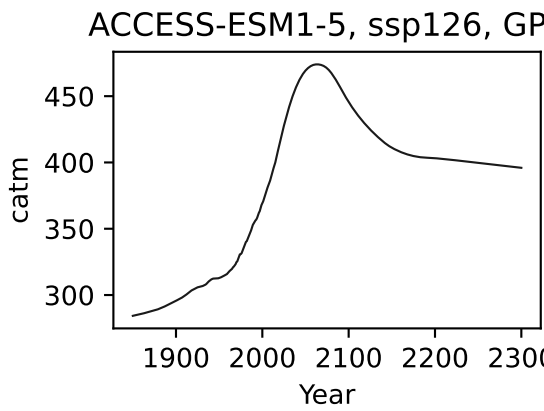
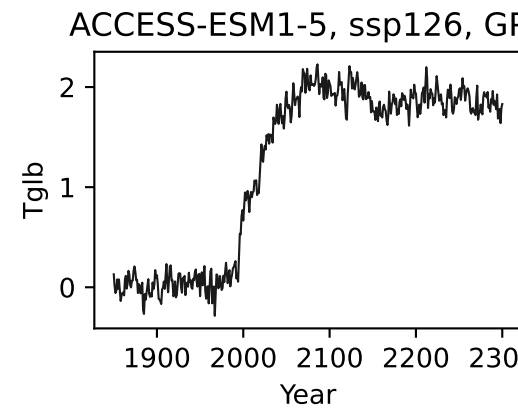
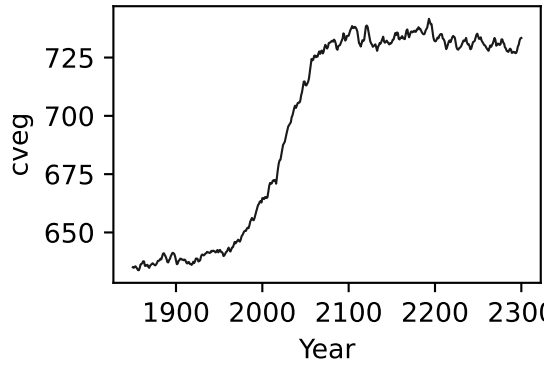

ACCESS-ESM1-5, ssp126, GPP
catm
450
400
350
300
1900
2000
2100
2200
2300
Year


ACCESS-ESM1-5, ssp126, GPP
Tglb
2
1
0
1900
2000
2100
2200
2300
Year


cveg
725
700
675
650
1900
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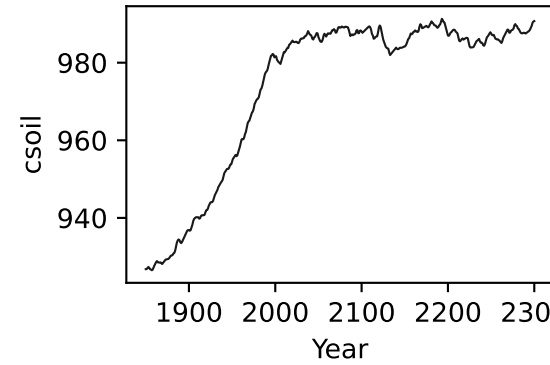
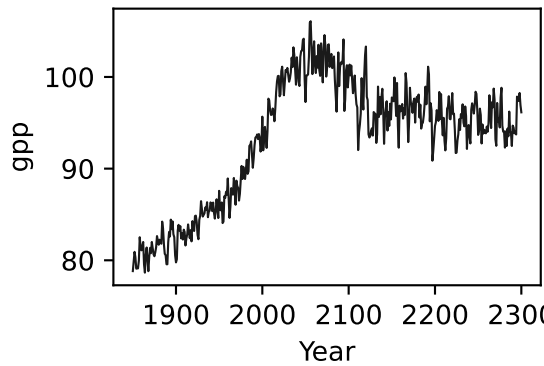
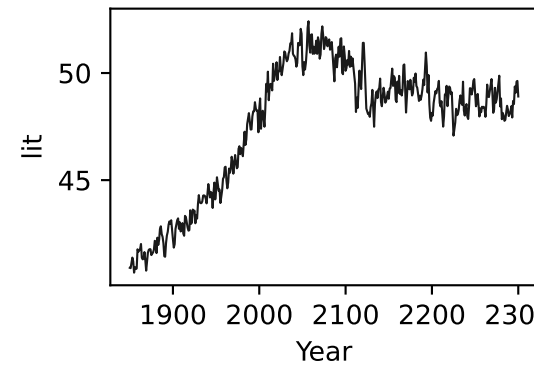
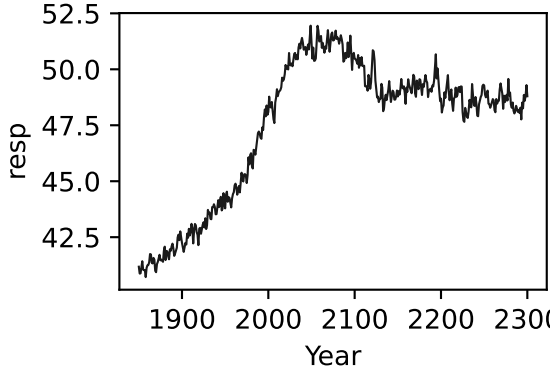
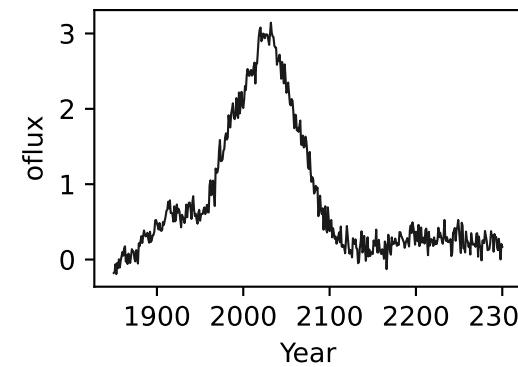
2100
2200
2300
Year

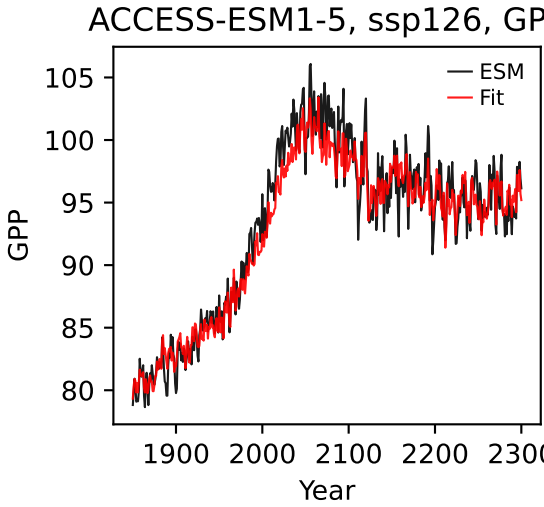

csoil
980
960
940
1900
2000
2100
2200
2300
Year

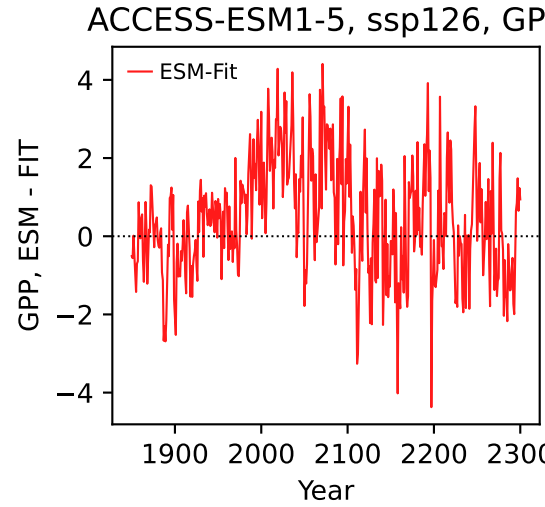

gpp
100
90
80
1900
2000
2100
2200
2300
Year

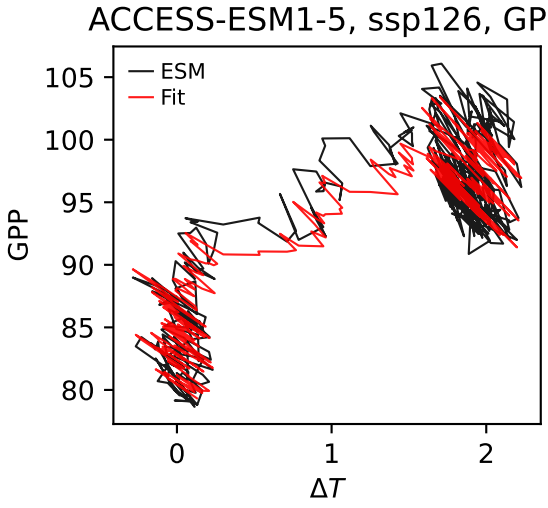

lit
50
45
1900
2000
2100
2200
2300
Year

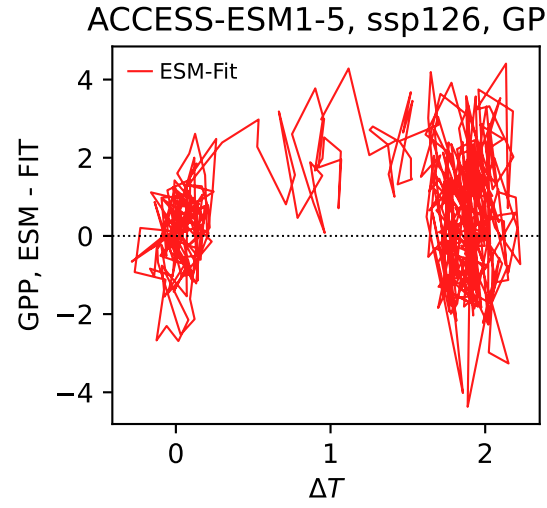

resp
52.5
50.0
47.5
45.0
42.5
1900
2000
2100
2200
2300
Year

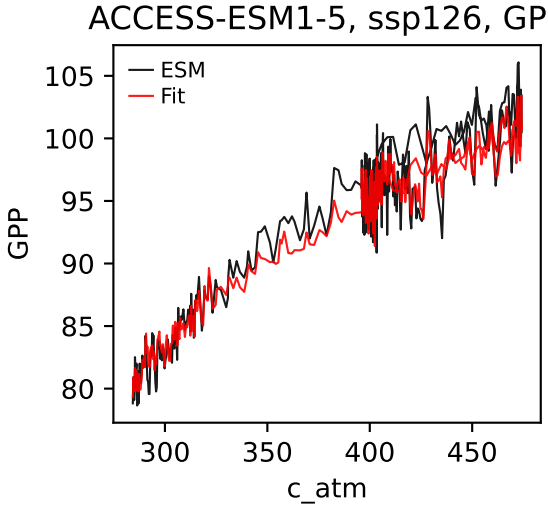

oflux
3
2
1
0
1900
2000
2100
2200
2300
Year

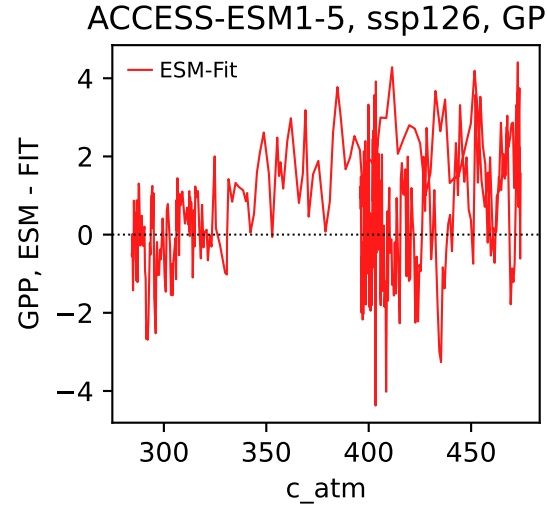

ACCESS-ESM1-5, ssp126, GPP
ESM
Fit
GPP
105
100
95
90
85
80
1900
2000
2100
2200
2300
Year

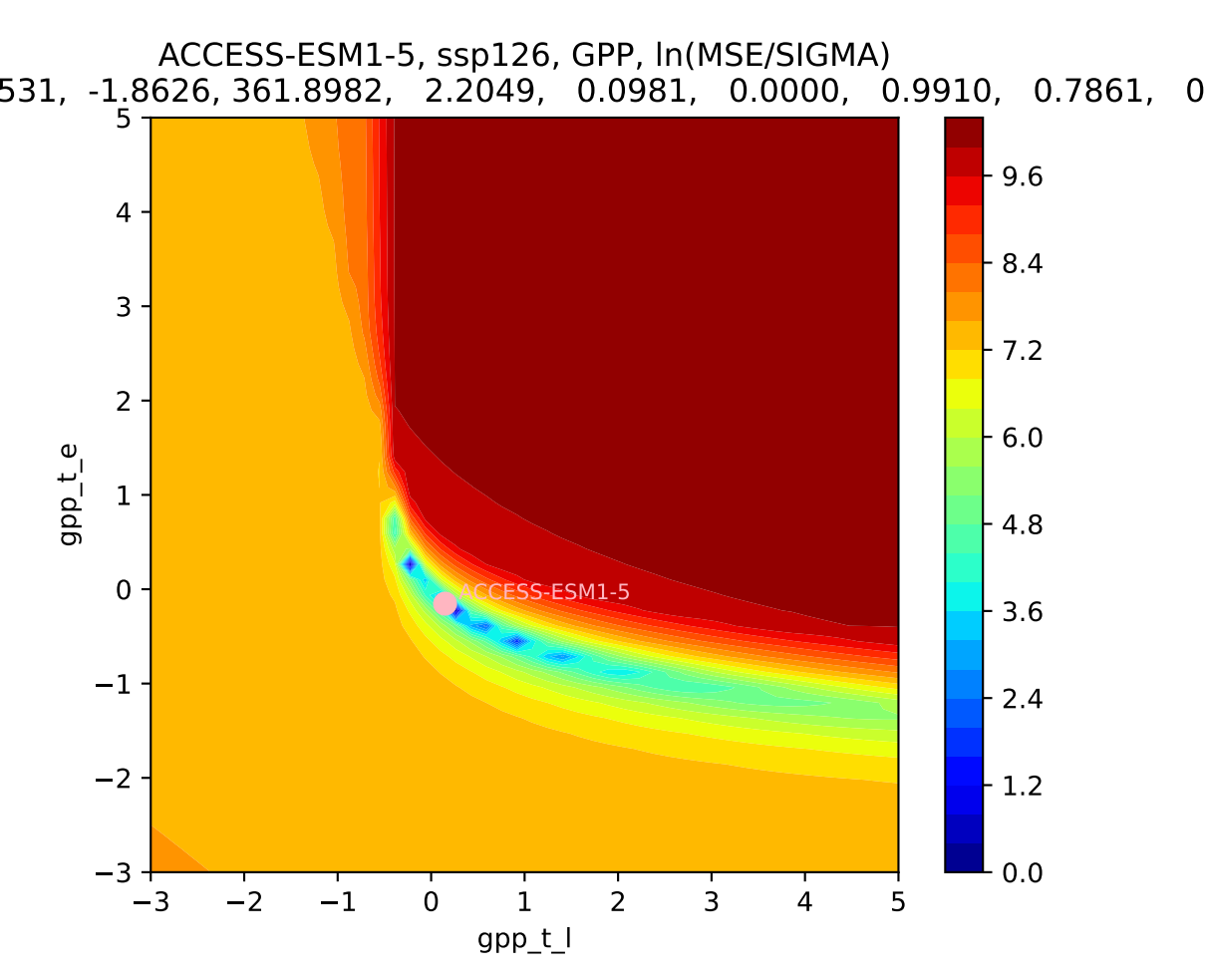

ACCESS-ESM1-5, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
4
2
0
−2
−4
1900
2000
2100
2200
2300
Year

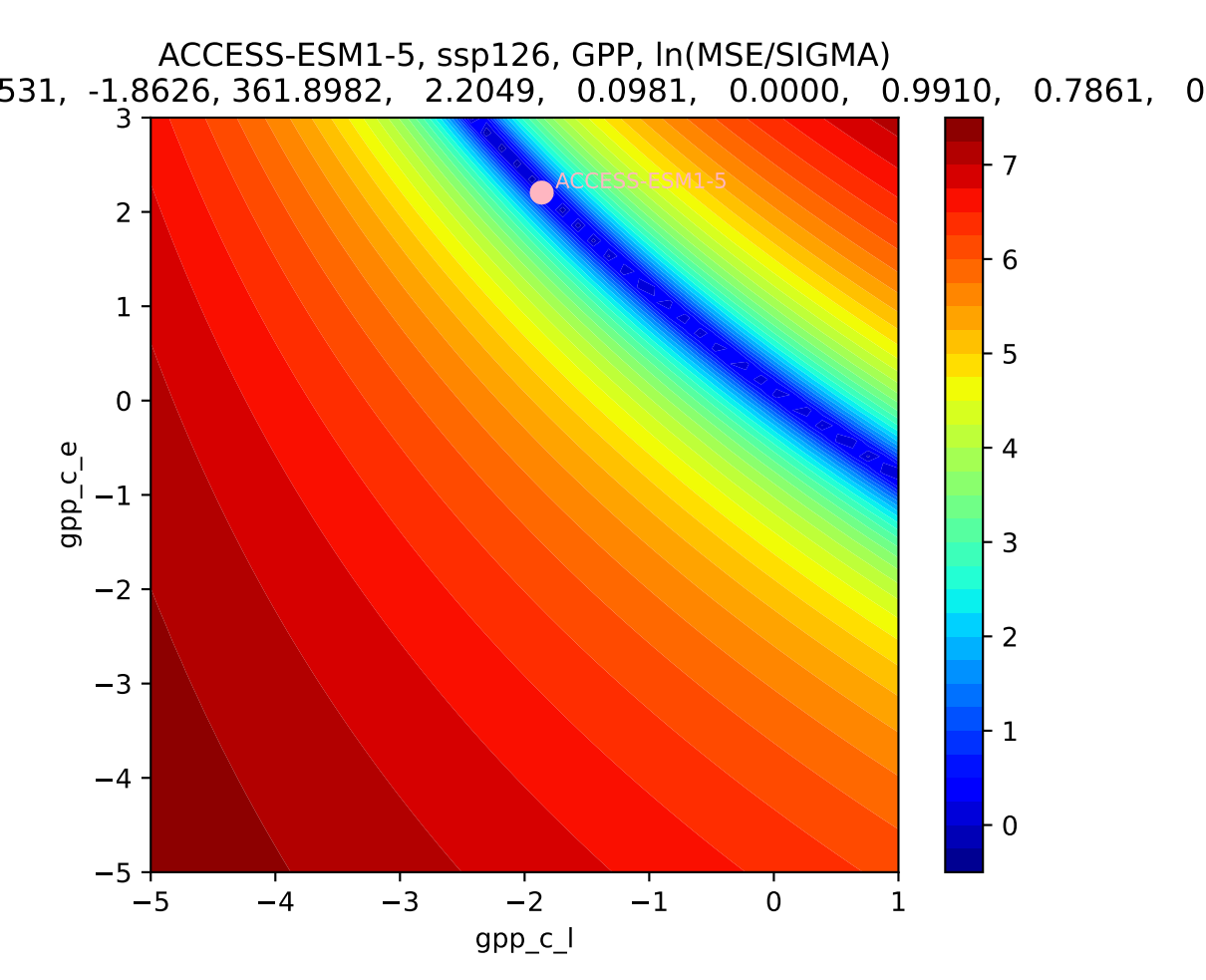

ACCESS-ESM1-5, ssp126, GPP
ESM
Fit
GPP
105
100
95
90
85
80
0
1
2
ΔT

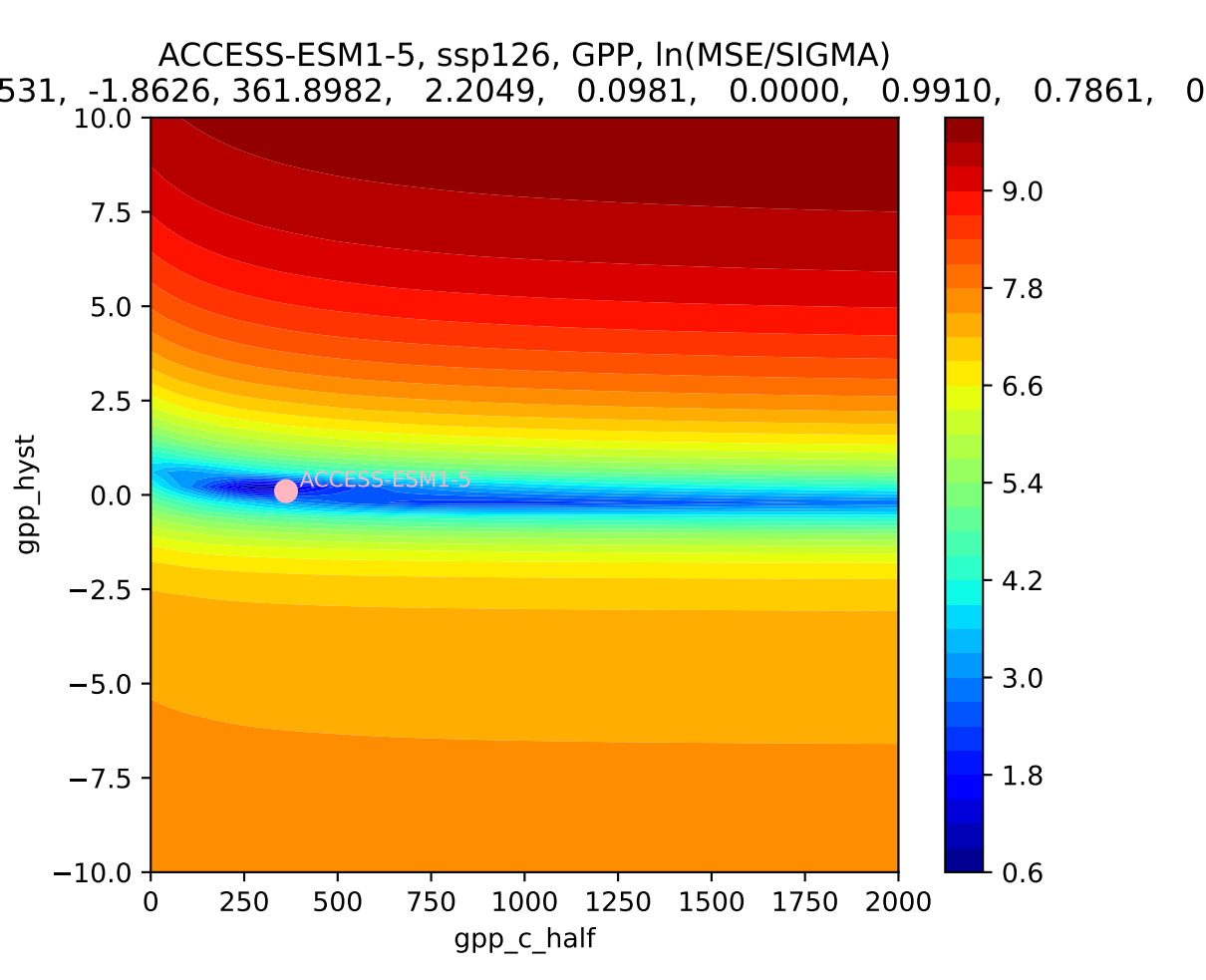

ACCESS-ESM1-5, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
4
2
0
−2
−4
0
1
2
ΔT

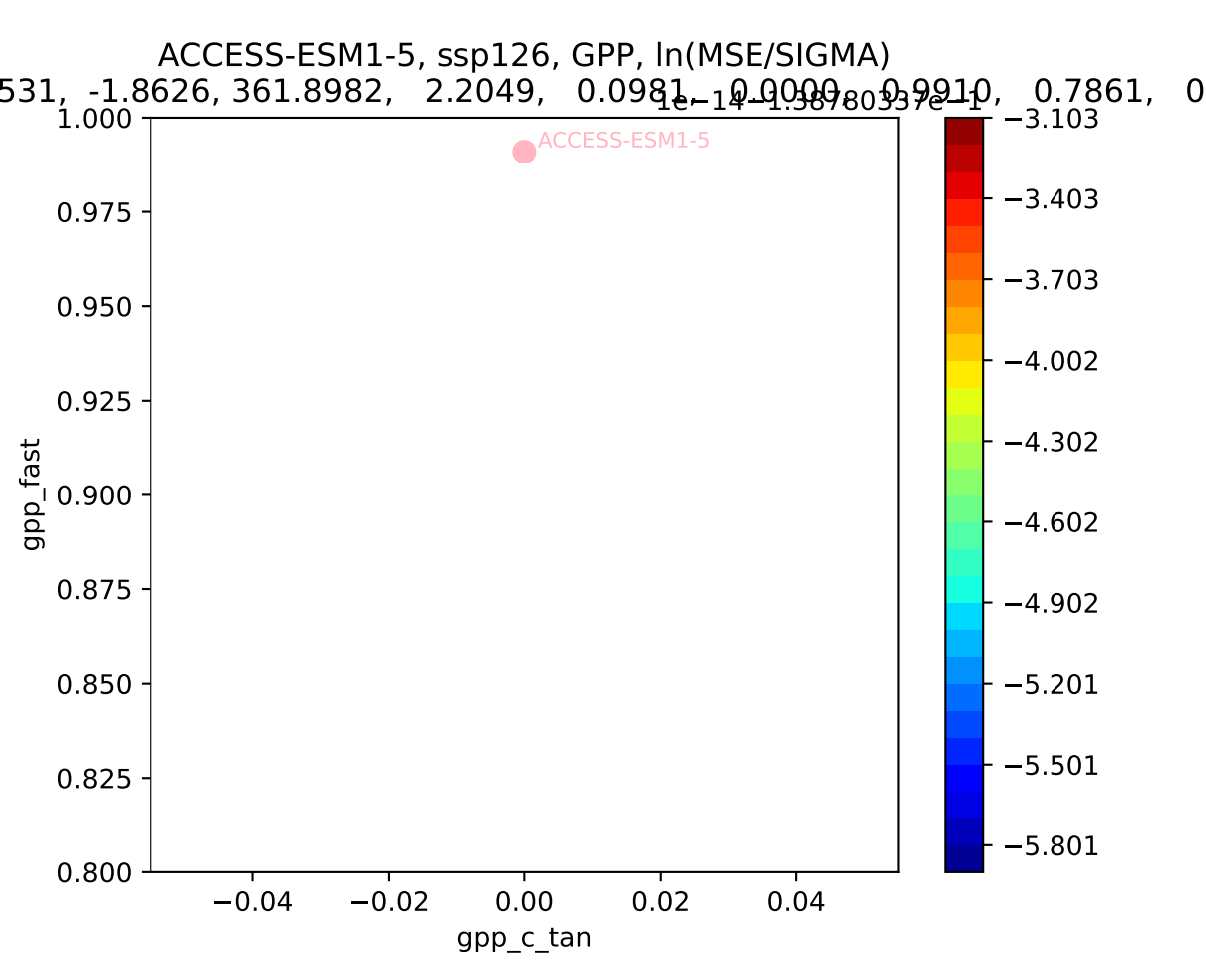

ACCESS-ESM1-5, ssp126, GPP
ESM
Fit
GPP
105
100
95
90
85
80
300
350
400
450
c_atm

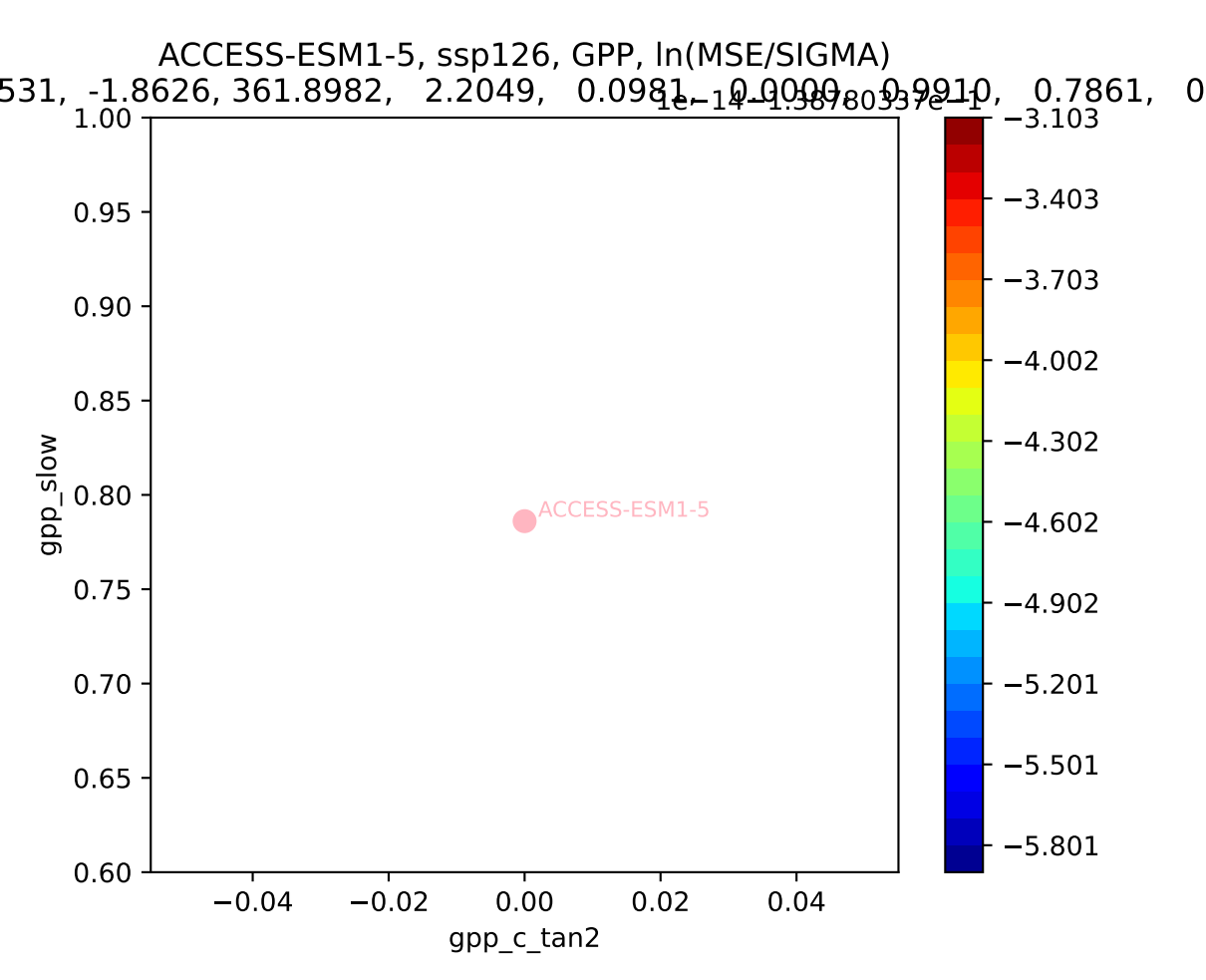

ACCESS-ESM1-5, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
4
2
0
−2
−4
300
350
400
450
c_atm

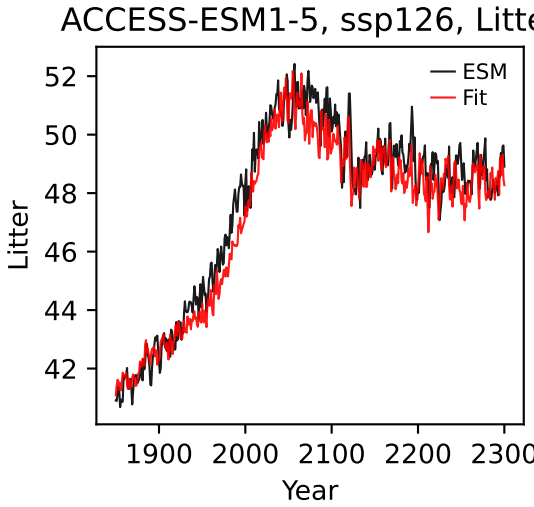

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8982, 2.2049, 0.0981, 0.0000, 0.9910, 0.7861, 0
ACCESS-ESM1-5
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

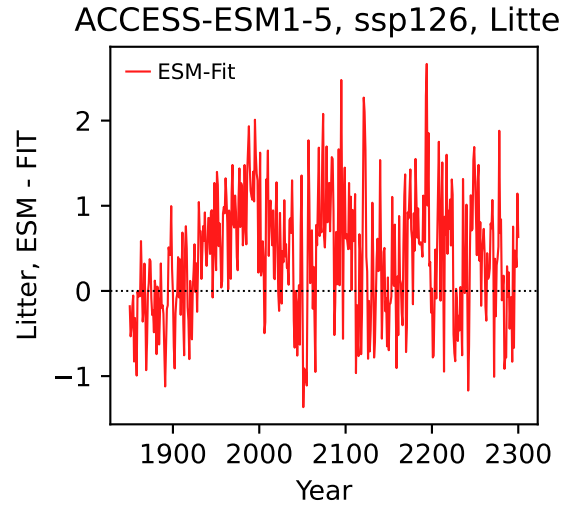

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8982, 2.2049, 0.0981, 0.0000, 0.9910, 0.7861, 0
ACCESS-ESM1-5
gpp_c_e
gpp_c_l
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
7
6
5
4
3
2
1
0

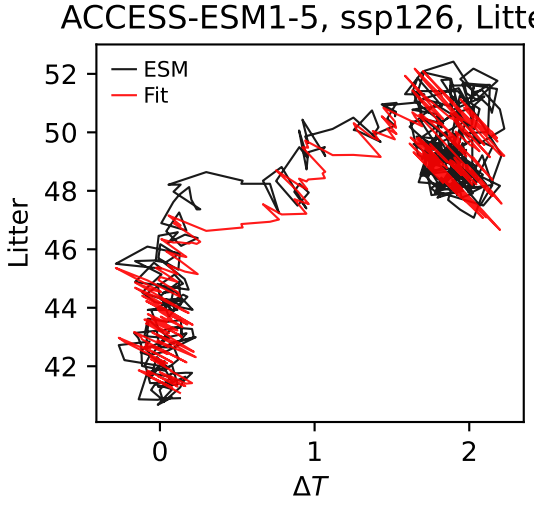

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8982, 2.2049, 0.0981, 0.0000, 0.9910, 0.7861, 0
ACCESS-ESM1-5
gpp_hyst
gpp_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
9.0
7.8
6.6
5.4
4.2
3.0
1.8
0.6

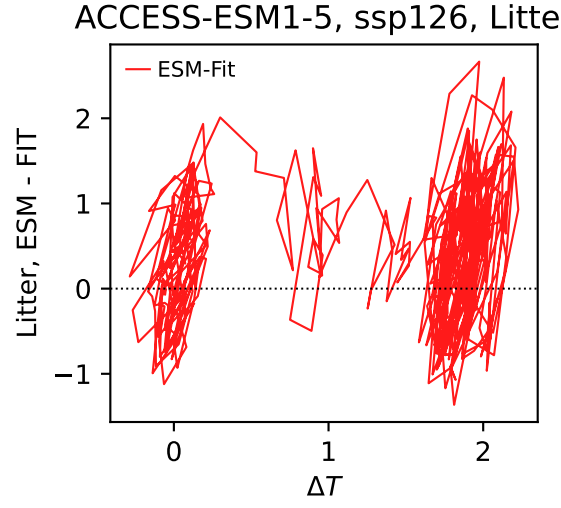

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8982, 2.2049, 0.0981, 0.0000, 0.9910, 0.7861, 0
1e−14−1.38780337e−1
ACCESS-ESM1-5
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
gpp_fast
−0.04
−0.02
0.00
0.02
0.04
gpp_c_tan
−3.103
−3.403
−3.703
−4.002
−4.302
−4.602
−4.902
−5.201
−5.501
−5.801

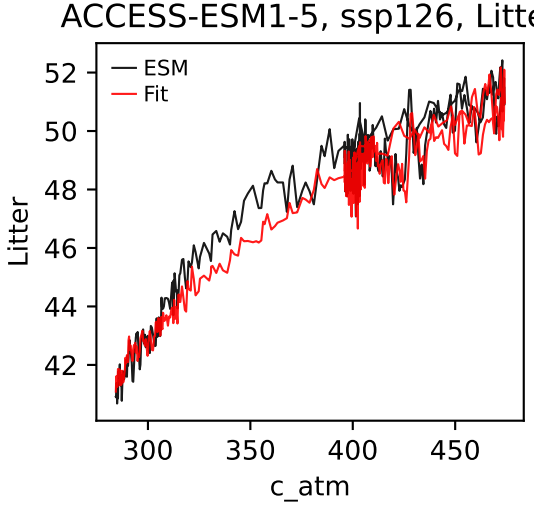

ACCESS-ESM1-5, ssp126, GPP, ln(MSE/SIGMA)
531, -1.8626, 361.8982, 2.2049, 0.0981, 0.0000, 0.9910, 0.7861, 0
1e−14−1.38780337e−1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
gpp_slow
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
gpp_c_tan2
−3.103
−3.403
−3.703
−4.002
−4.302
−4.602
−4.902
−5.201
−5.501
−5.801

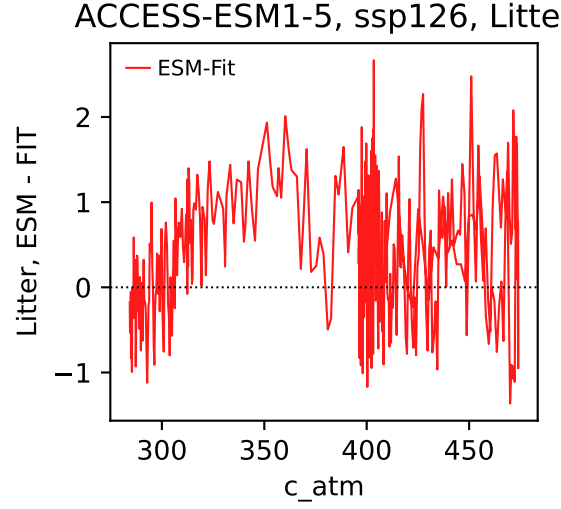

ACCESS-ESM1-5, ssp126, Litter
ESM
Fit
Litter
Year

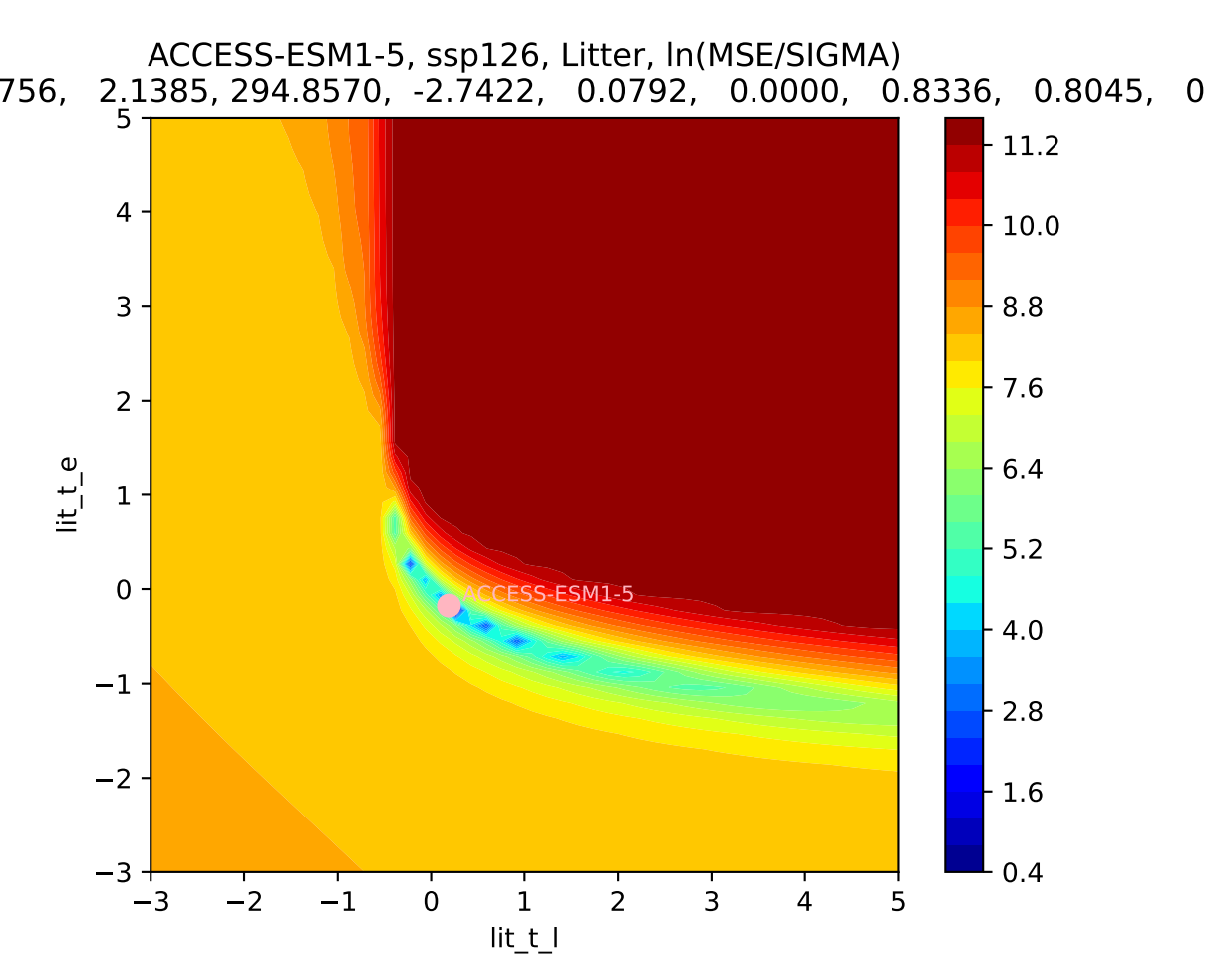

ACCESS-ESM1-5, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
Year

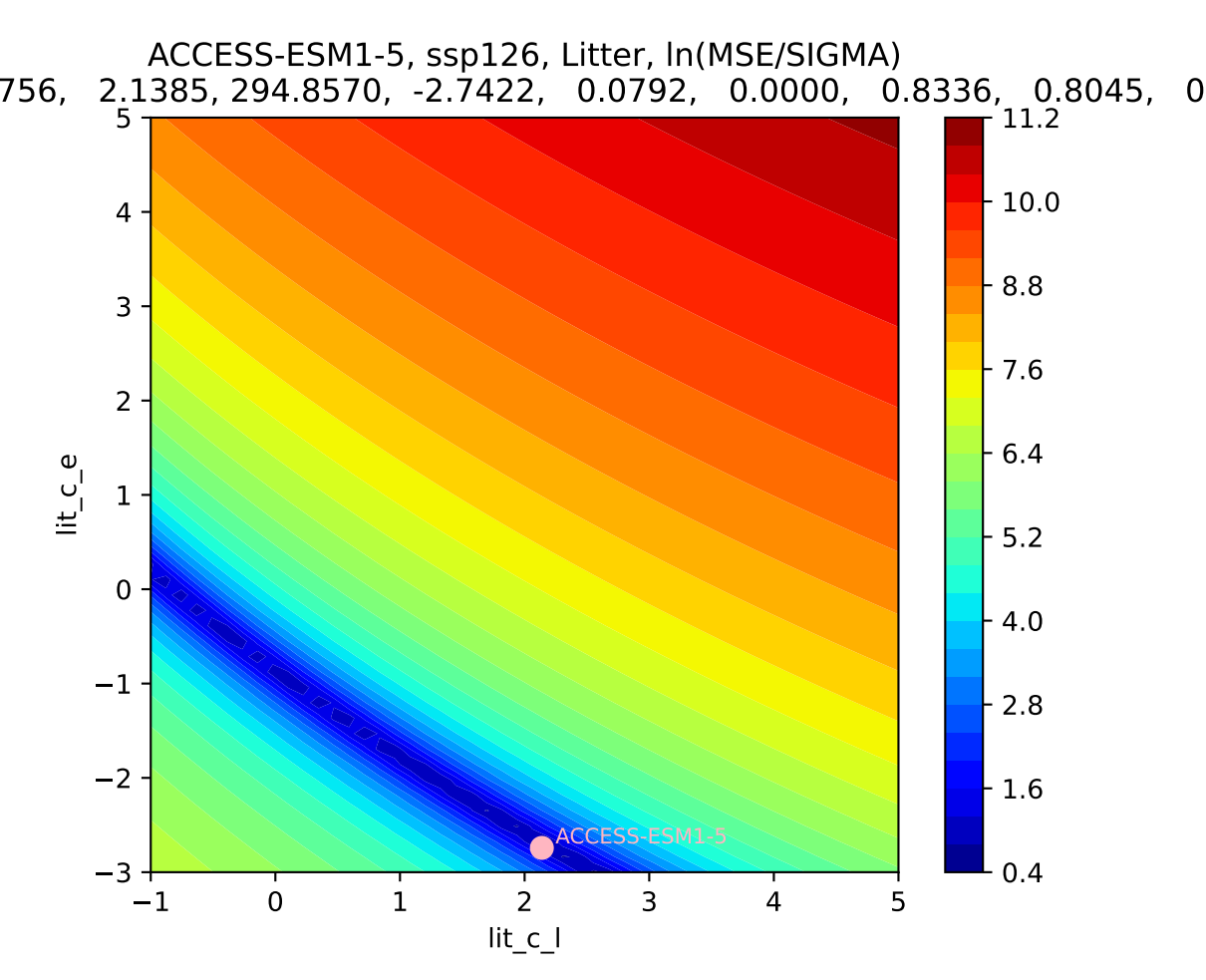

ACCESS-ESM1-5, ssp126, Litter
ESM
Fit
Litter
ΔT


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, 294.8570, -2.7422, 0.0792, 0.0000, 0.8336, 0.8045, 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, 294.8570, -2.7422, 0.0792, 0.0000, 0.8336, 0.8045, 0
lit_c_e
lit_c_l
ACCESS-ESM1-5
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
11.2
10.0
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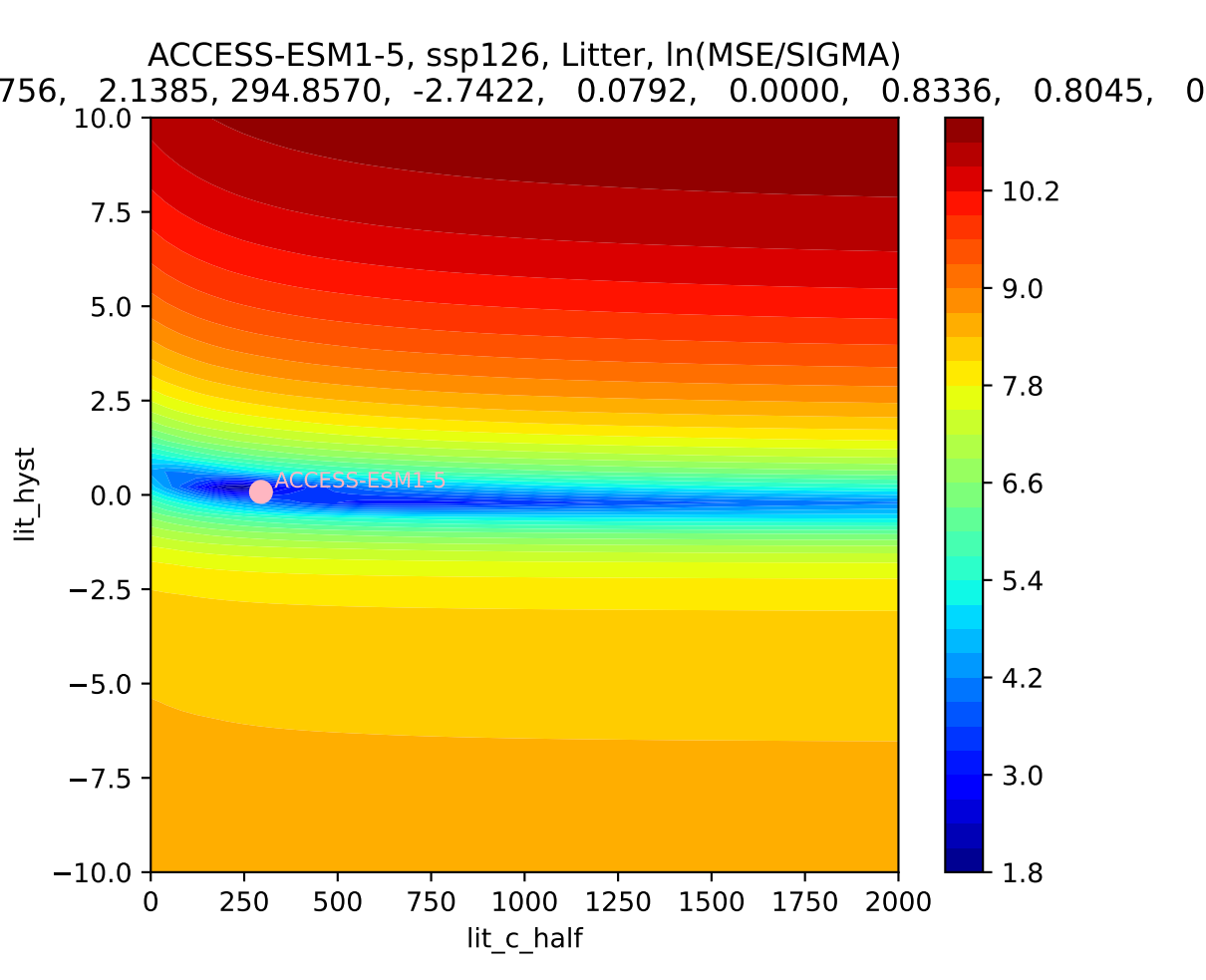
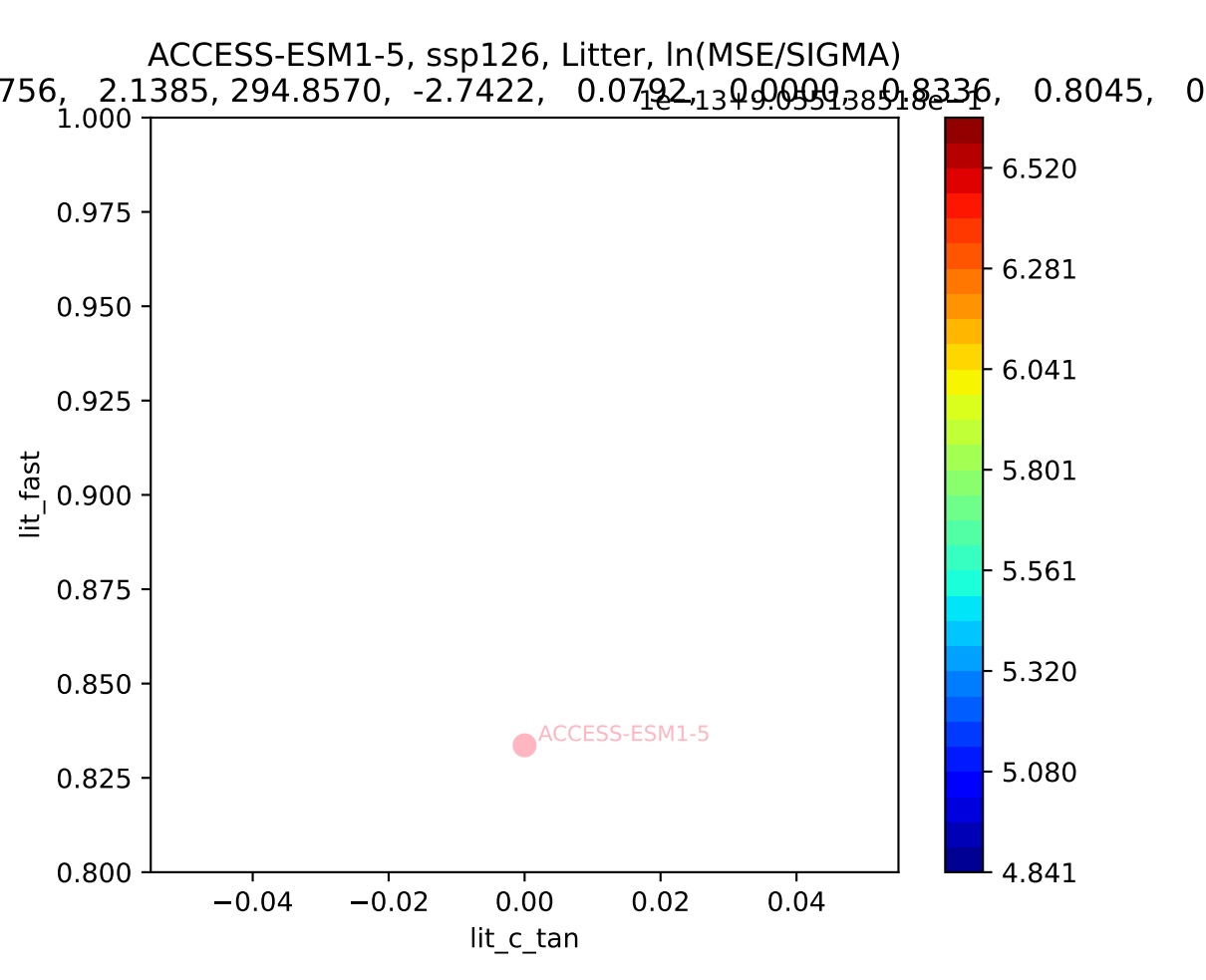
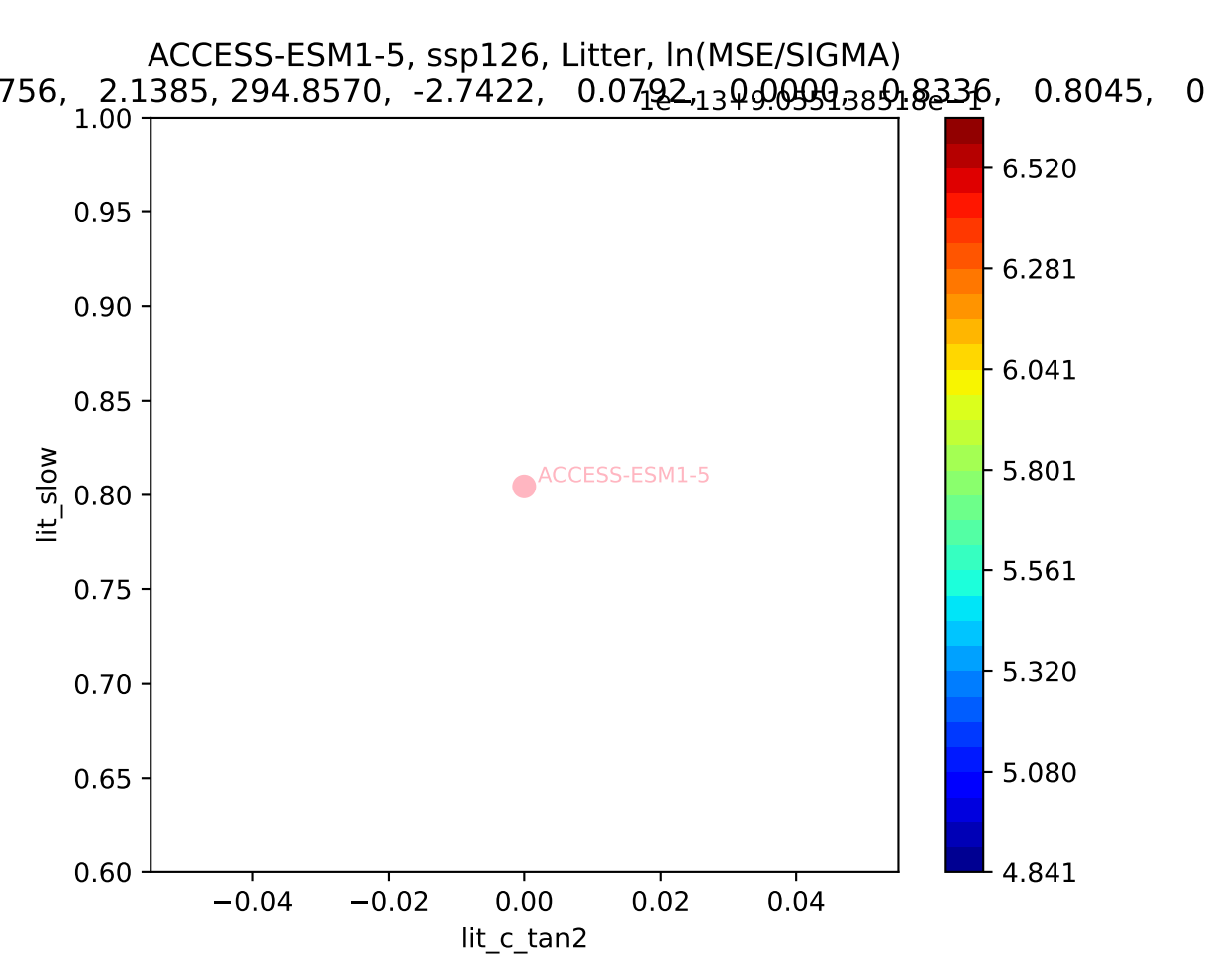
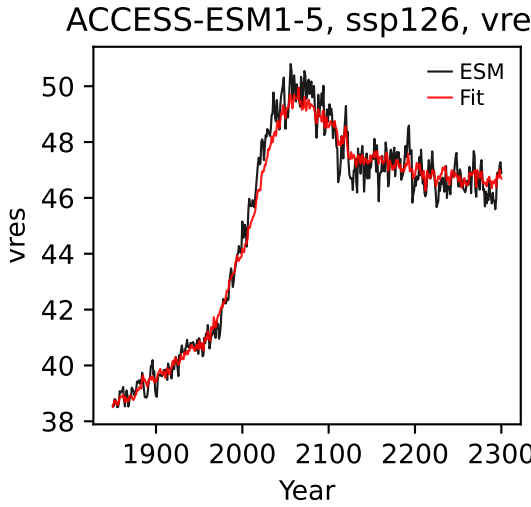
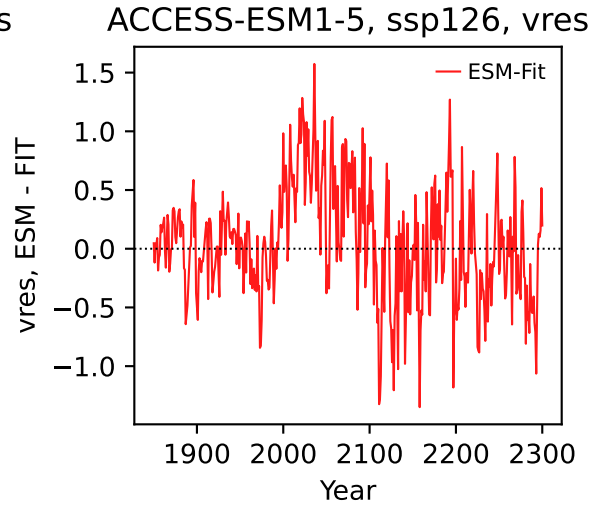
7.6
6.4
5.2
4.0
2.8
1.6
0.4

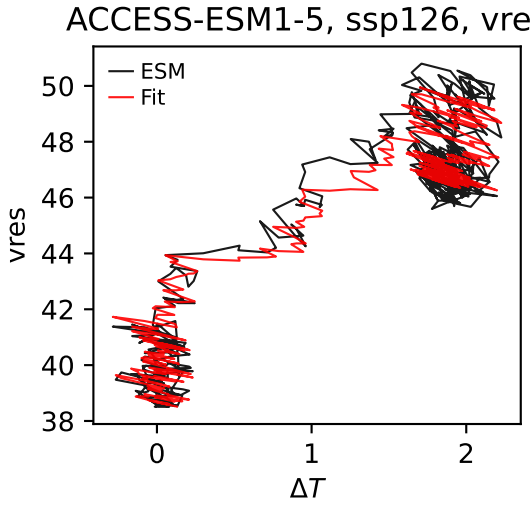

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8570, -2.7422, 0.0792, 0.0000, 0.8336, 0.8045, 0
ACCESS-ESM1-5
lit_hyst
lit_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.2
9.0
7.8
6.6
5.4
4.2
3.0
1.8

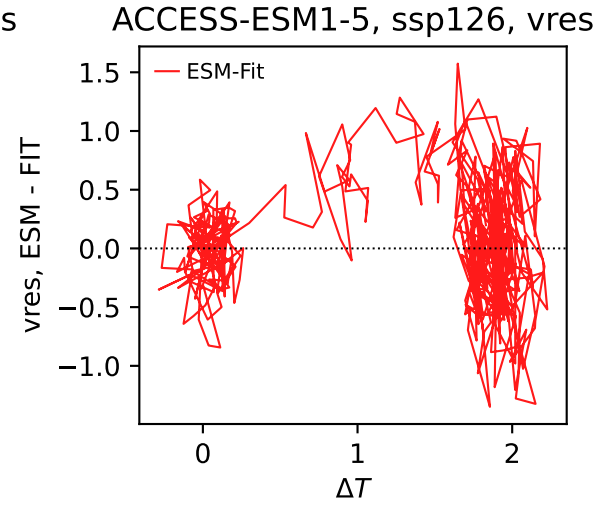

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8570, -2.7422, 0.0792, 0.0000, 0.8336, 0.8045, 0
1e−13+9.055138518e−1
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
lit_fast
−0.04
−0.02
0.00
0.02
0.04
lit_c_tan
ACCESS-ESM1-5
6.520
6.281
6.041
5.801
5.561
5.320
5.080
4.841

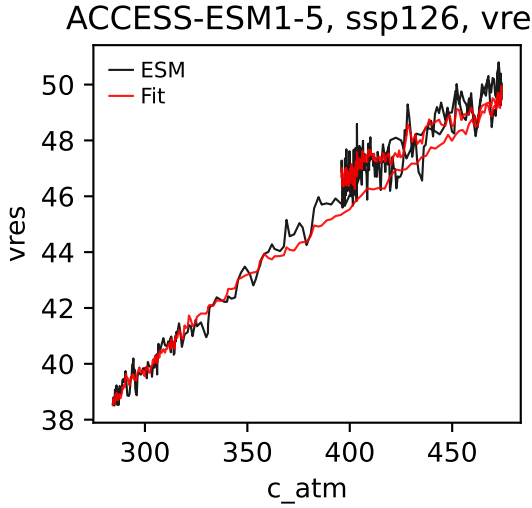

ACCESS-ESM1-5, ssp126, Litter, ln(MSE/SIGMA)
756, 2.1385, 294.8570, -2.7422, 0.0792, 0.0000, 0.8336, 0.8045, 0
1e−13+9.055138518e−1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
lit_c_tan2
6.520
6.281
6.041
5.801
5.561
5.320
5.080
4.841

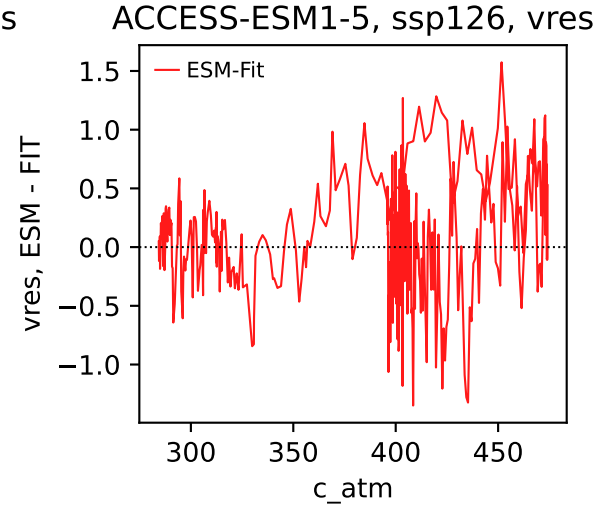

ACCESS-ESM1-5, ssp126, vres
ESM
Fit
vres
Year

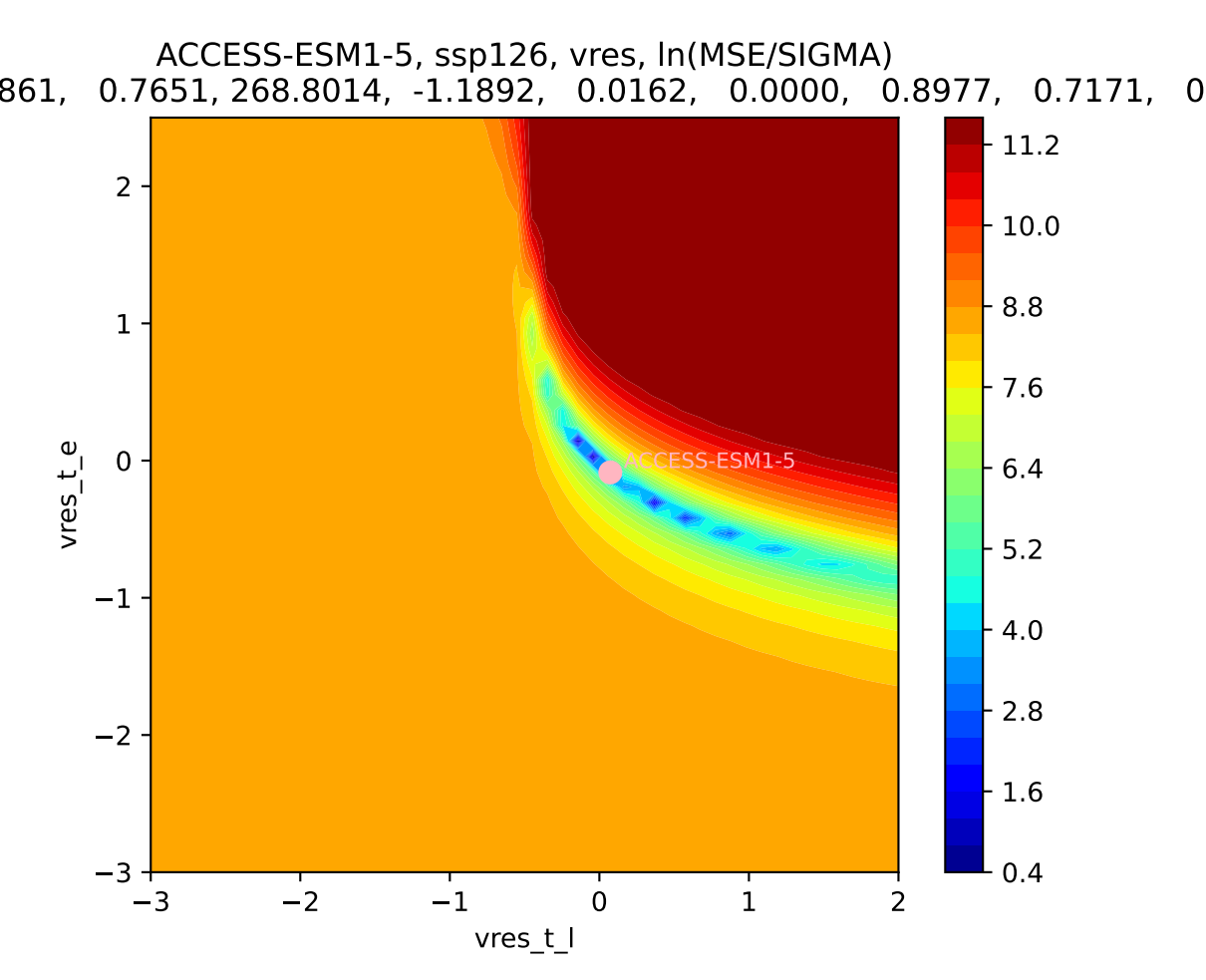

ACCESS-ESM1-5, ssp126, vres
ESM-Fit
vres, ESM - FIT
Year

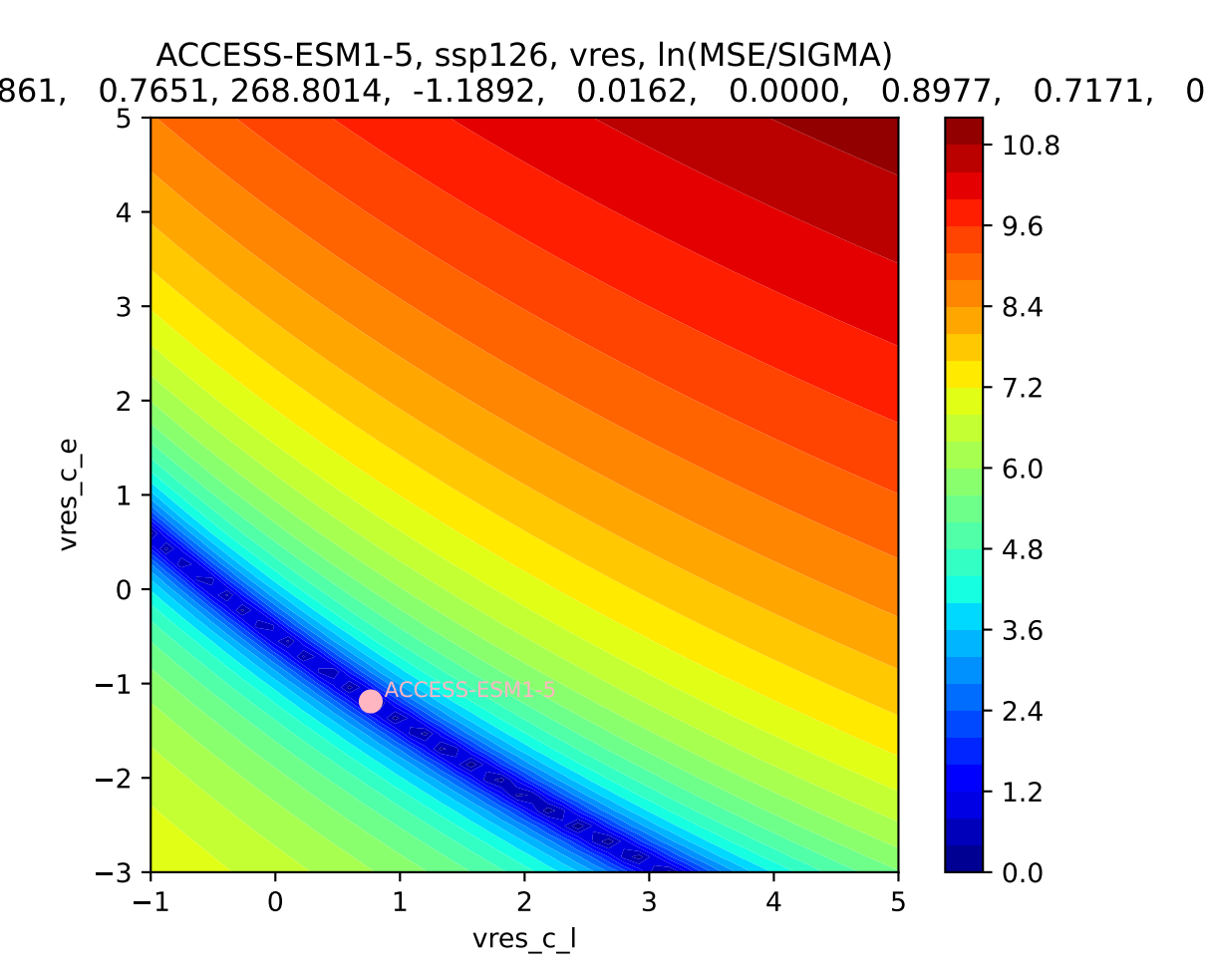

ACCESS-ESM1-5, ssp126, vres
ESM
Fit
vres
ΔT

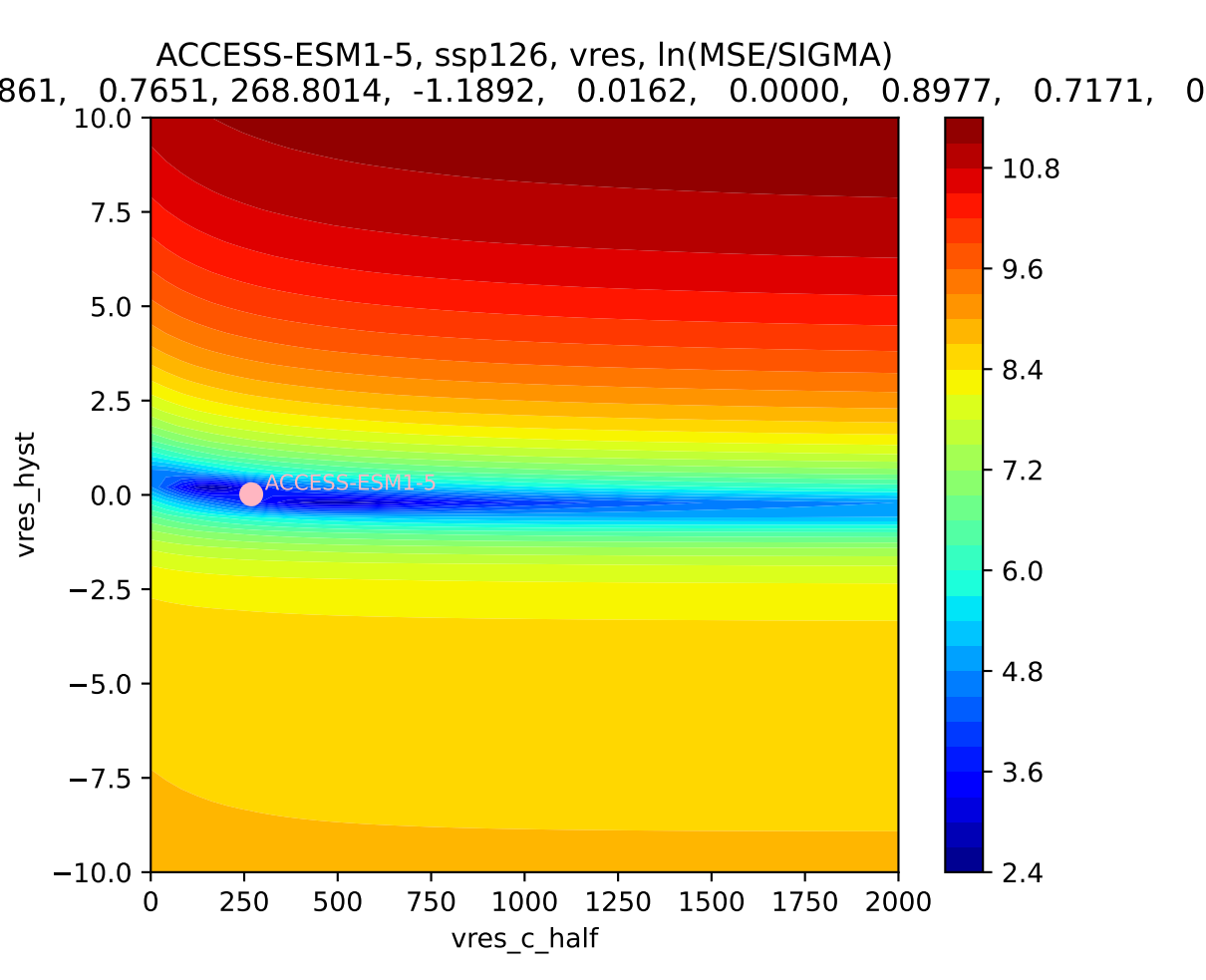

ACCESS-ESM1-5, ssp126, vres
ESM-Fit
vres, ESM - FIT
ΔT

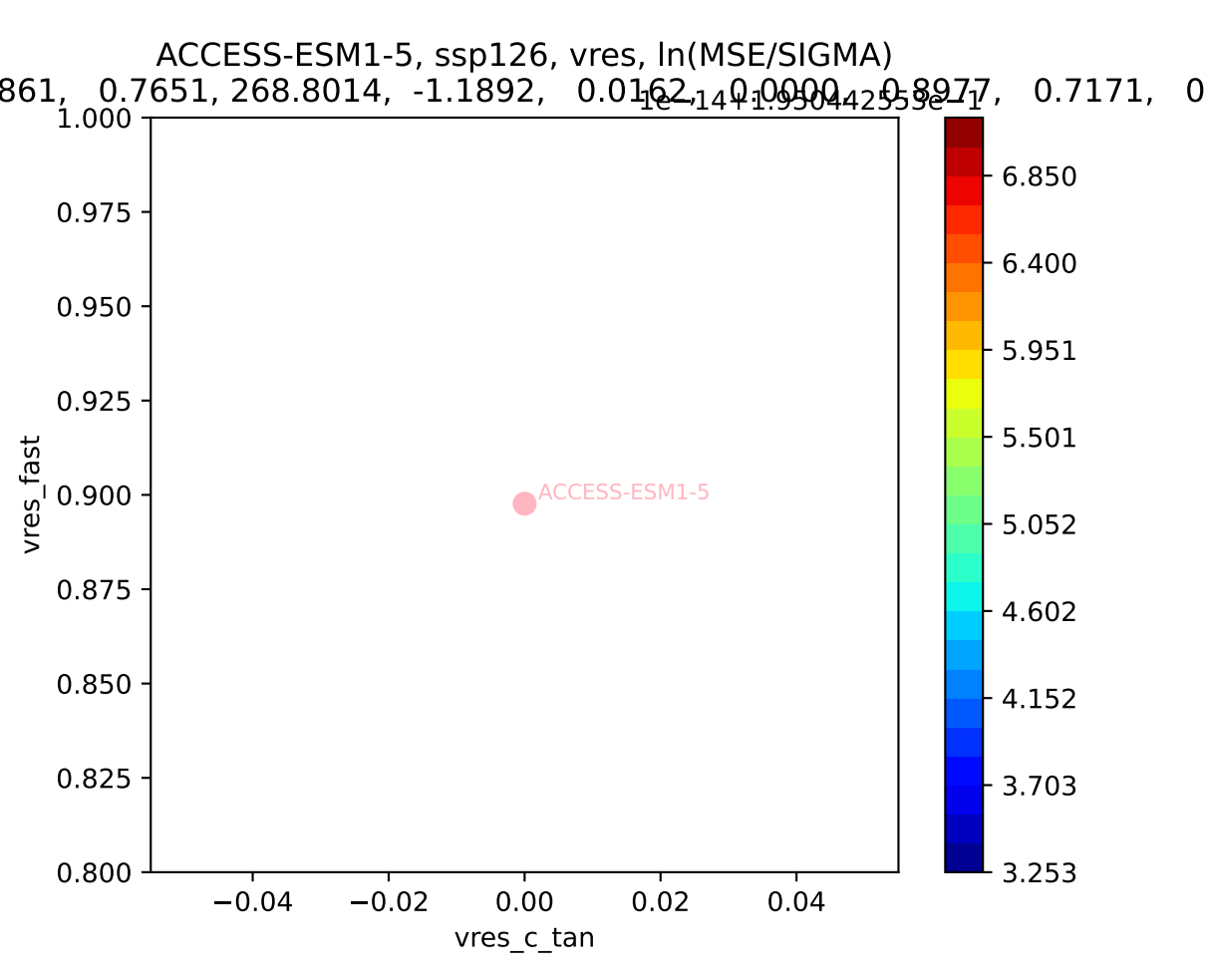

ACCESS-ESM1-5, ssp126, vres
ESM
Fit
vres
c_atm

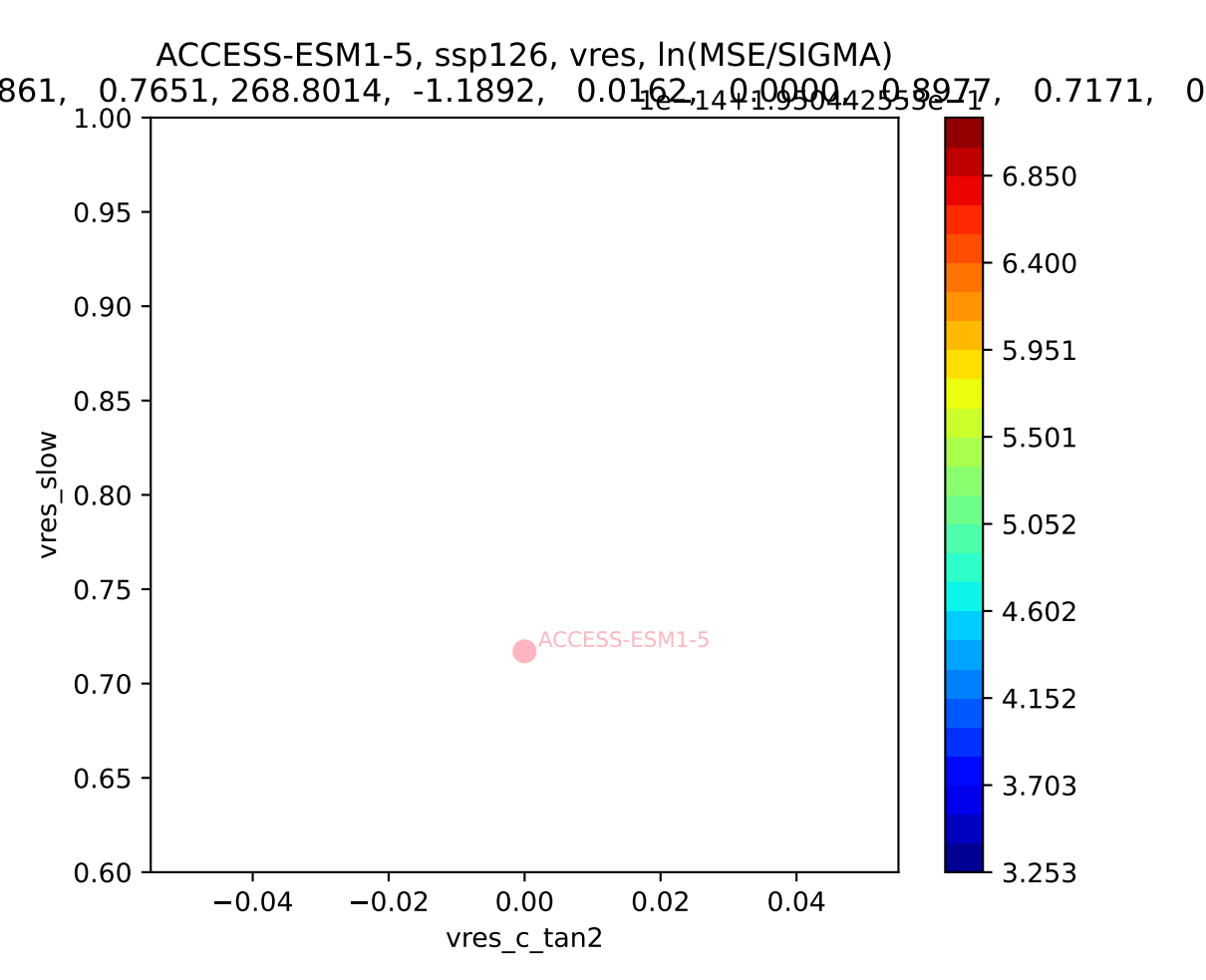

ACCESS-ESM1-5, ssp126, vres
ESM-Fit
vres, ESM - FIT
c_atm

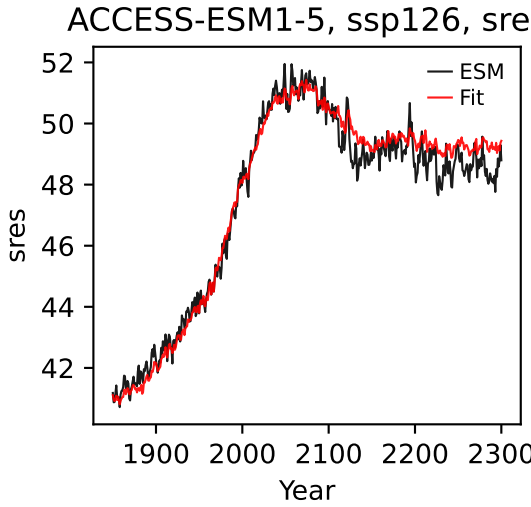

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
861, 0.7651, 268.8014, -1.1892, 0.0162, 0.0000, 0.8977, 0.7171, 0
ACCESS-ESM1-5
vres_t_e
vres_t_l
−3
−2
−1
0
1
2
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

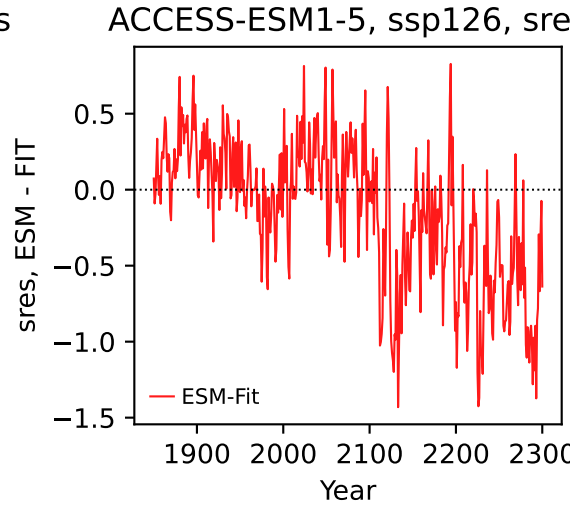

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
861, 0.7651, 268.8014, -1.1892, 0.0162, 0.0000, 0.8977, 0.7171, 0
ACCESS-ESM1-5
vres_c_e
vres_c_l
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

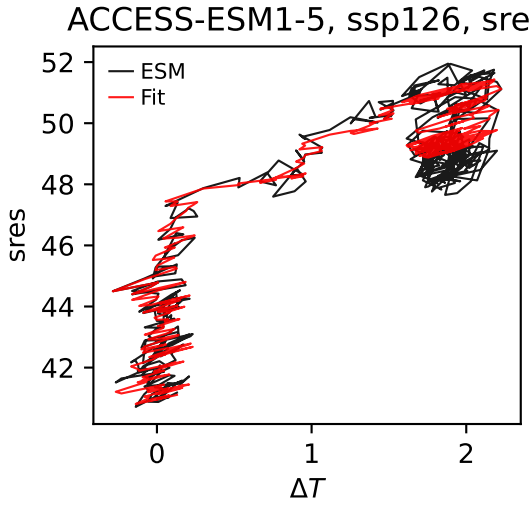

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
861, 0.7651, 268.8014, -1.1892, 0.0162, 0.0000, 0.8977, 0.7171, 0
ACCESS-ESM1-5
vres_hyst
vres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4

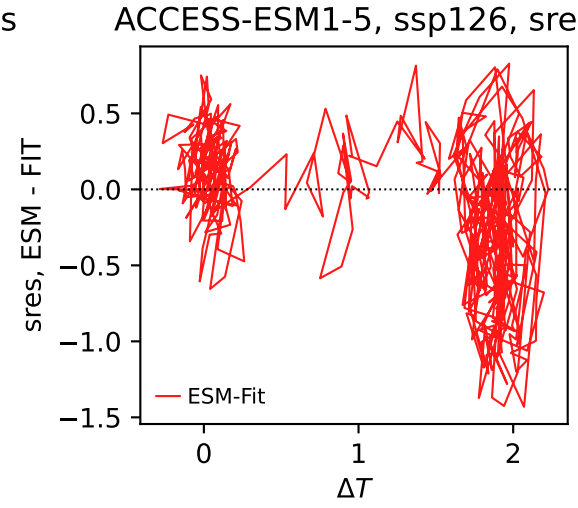

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
861, 0.7651, 268.8014, -1.1892, 0.0162, 0.0000, 0.8977, 0.7171, 0
1e−14+1.950442553e−1
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
vres_fast
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
vres_c_tan
6.850
6.400
5.951
5.501
5.052
4.602
4.152
3.703
3.253

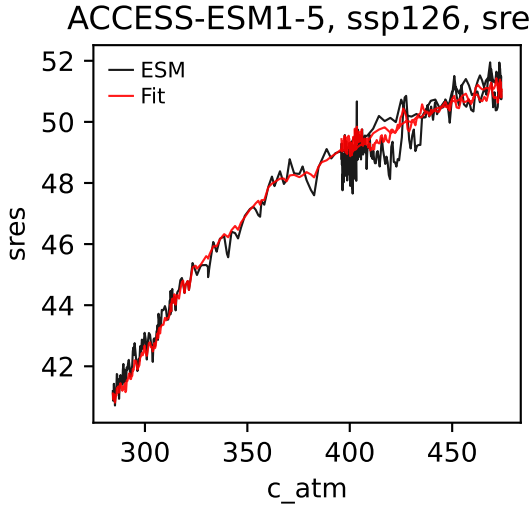

ACCESS-ESM1-5, ssp126, vres, ln(MSE/SIGMA)
861, 0.7651, 268.8014, -1.1892, 0.0162, 0.0000, 0.8977, 0.7171, 0
1e−14+1.950442553e−1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
vres_c_tan2
6.850
6.400
5.951
5.501
5.052
4.602
4.152
3.703
3.253

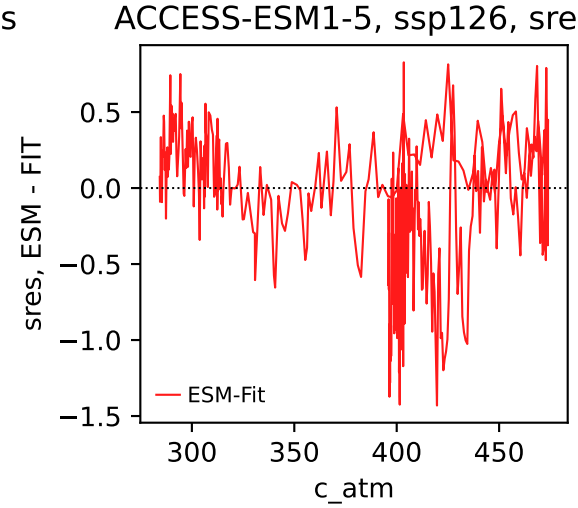

ACCESS-ESM1-5, ssp126, sres
ESM
Fit
sres
Year

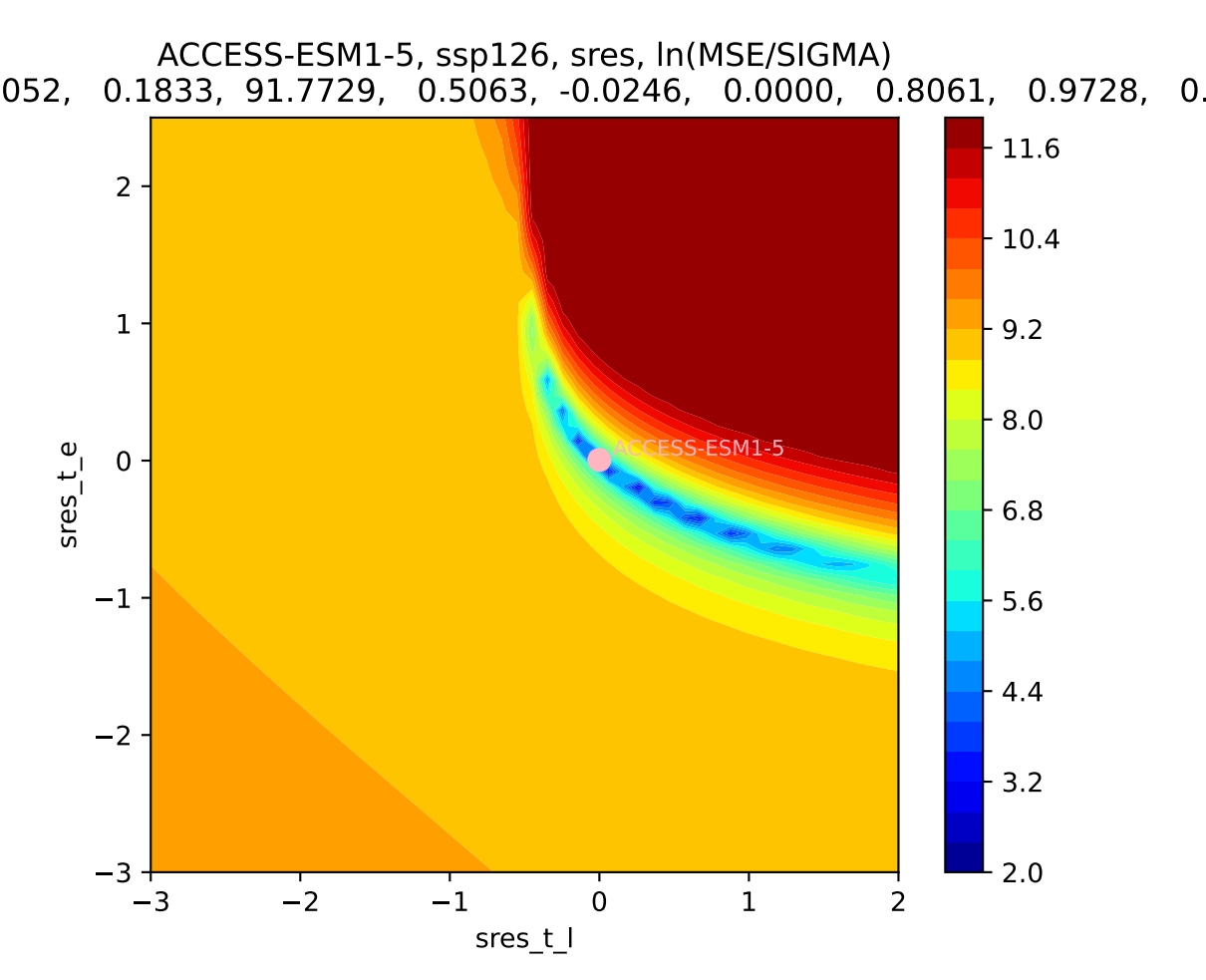

ACCESS-ESM1-5, ssp126, sres
ESM-Fit
sres, ESM - FIT
Year

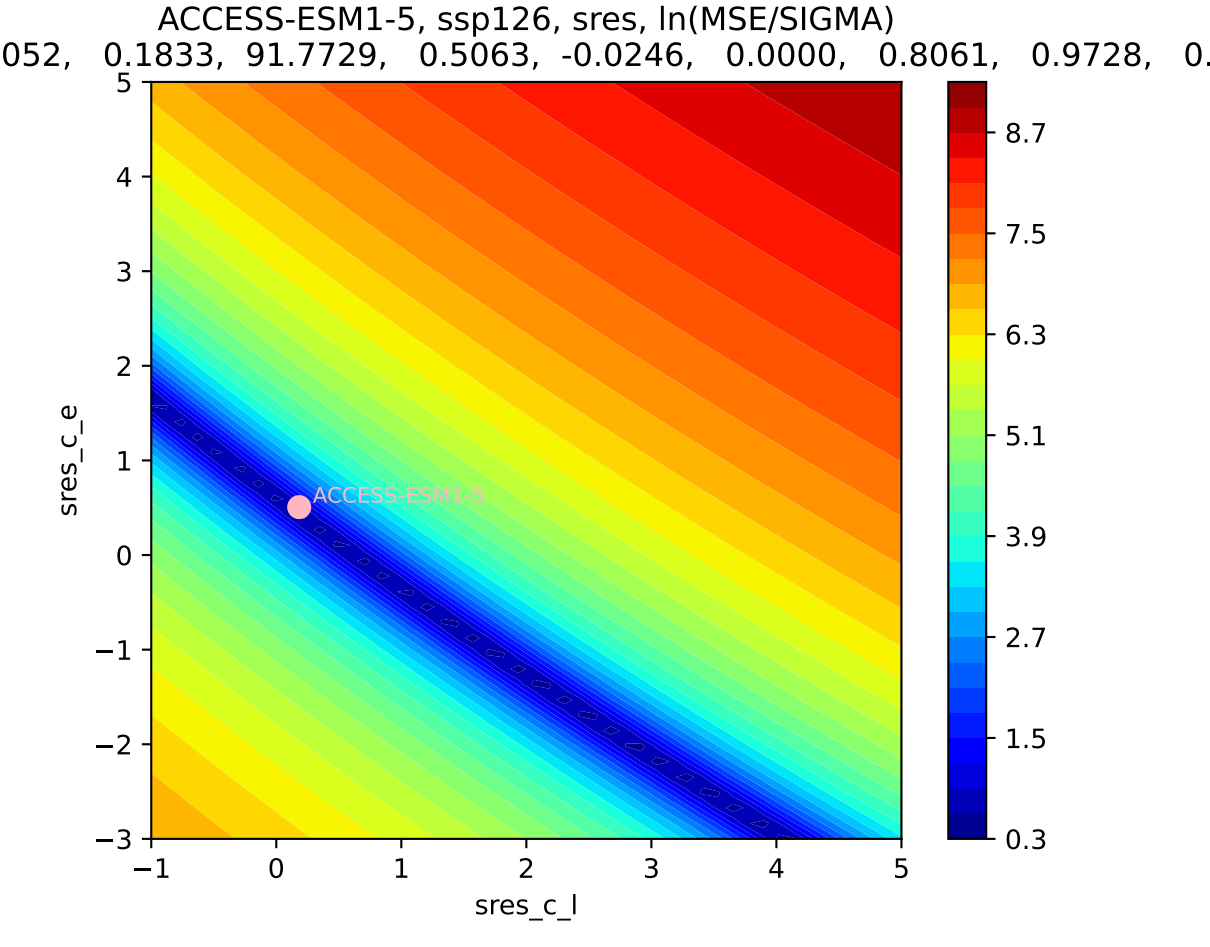

ACCESS-ESM1-5, ssp126, sres
ESM
Fit
sres
ΔT

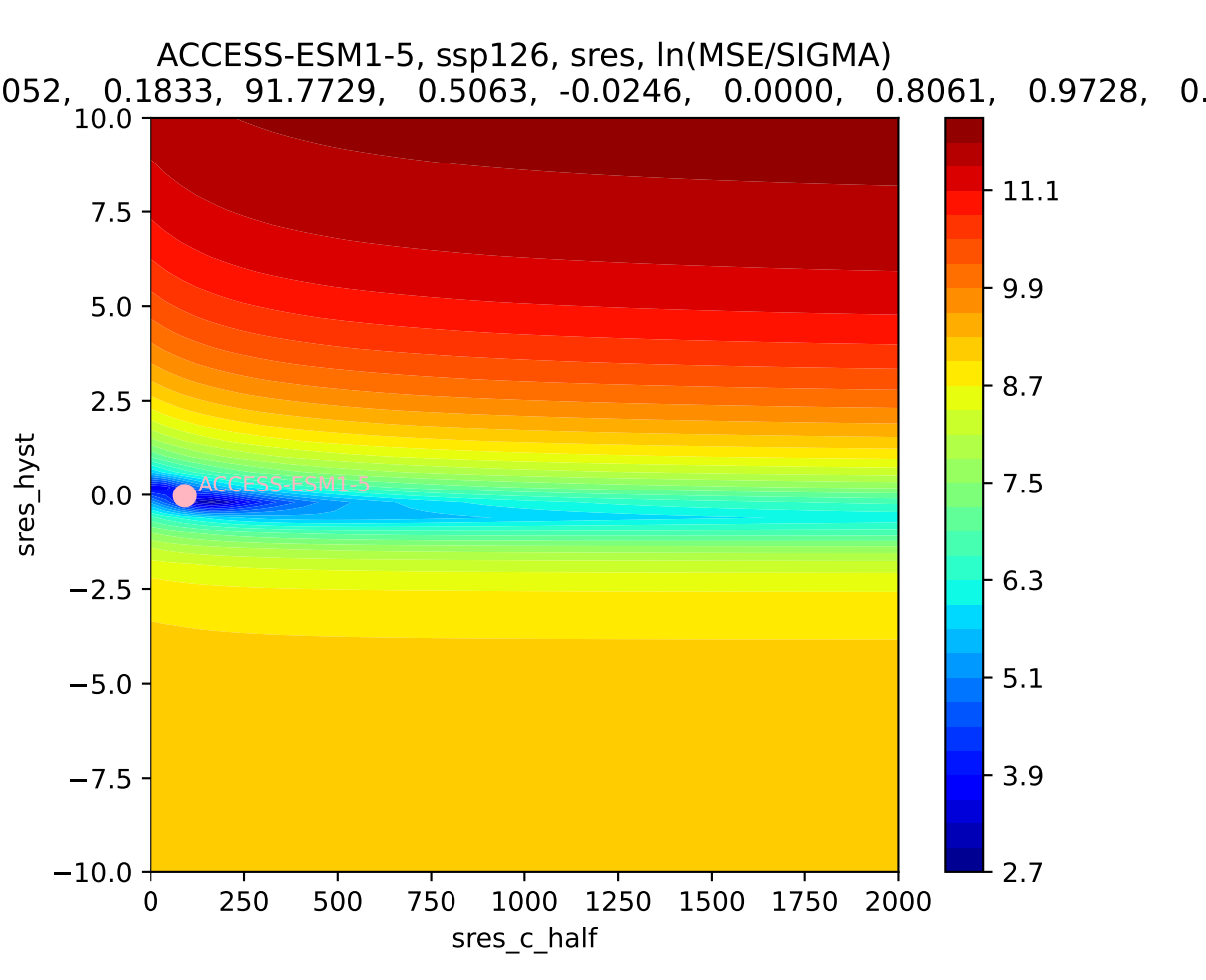

ACCESS-ESM1-5, ssp126, sres
ESM-Fit
sres, ESM - FIT
ΔT

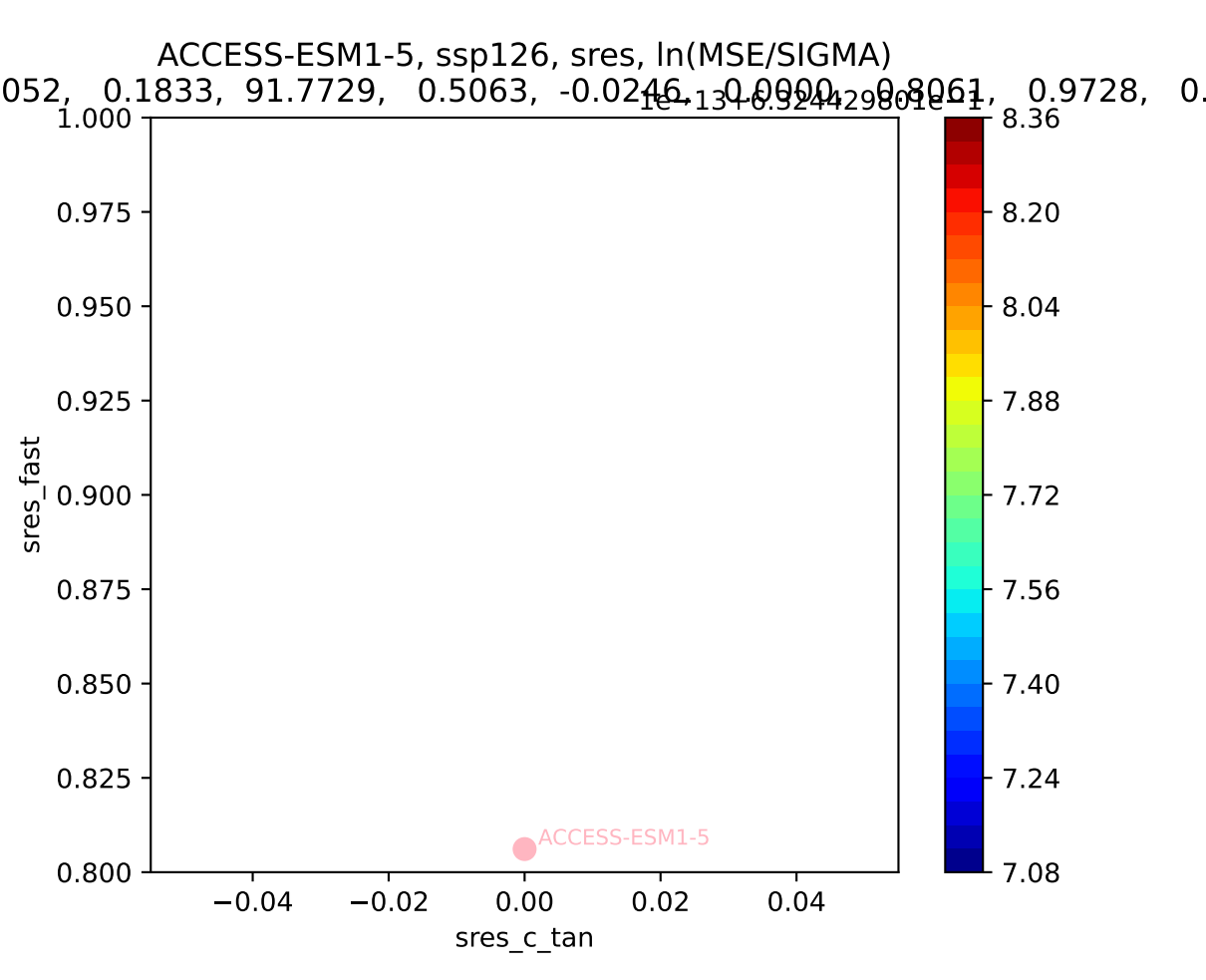

ACCESS-ESM1-5, ssp126, sres
ESM
Fit
sres
c_atm

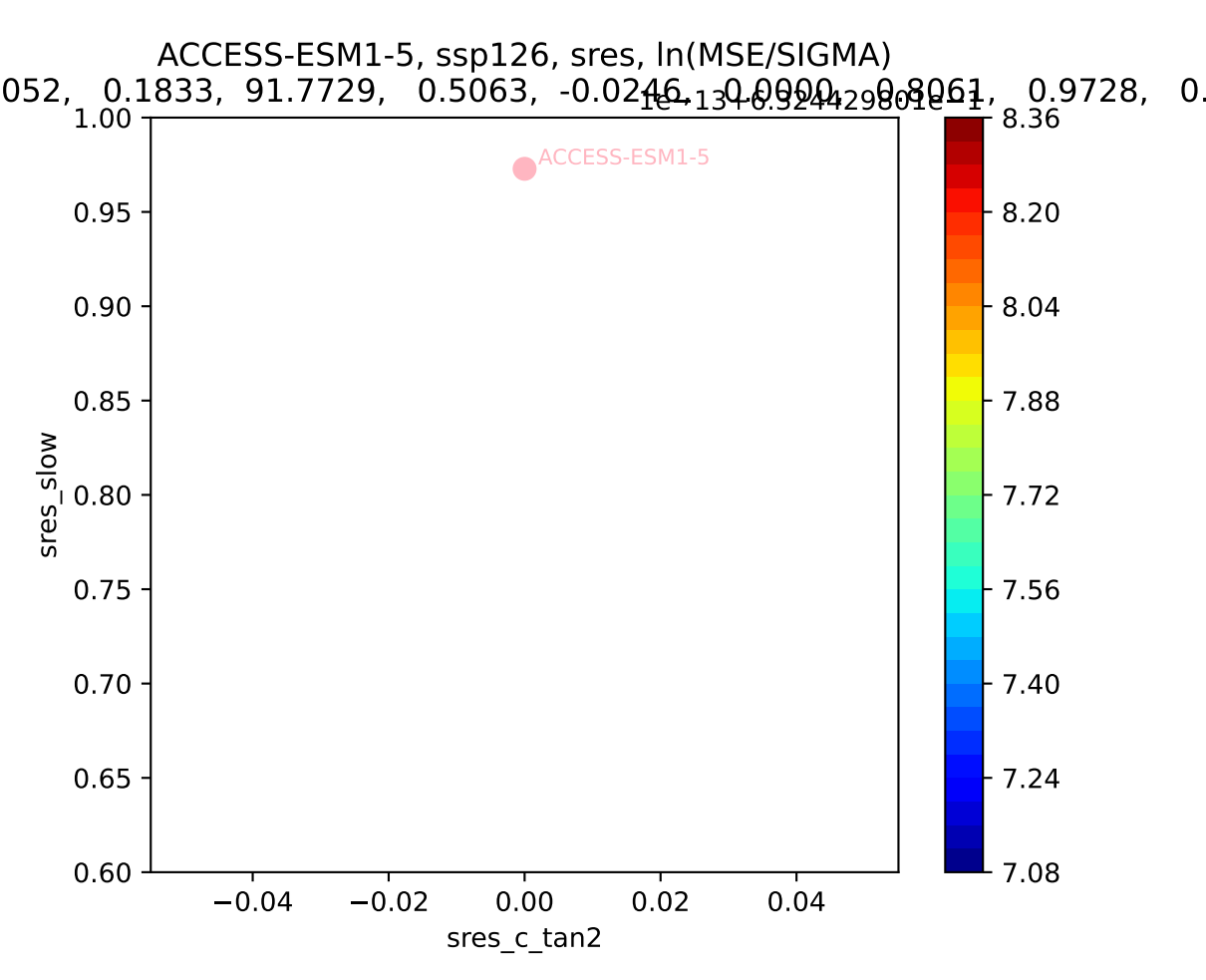

ACCESS-ESM1-5, ssp126, sres
ESM-Fit
sres, ESM - FIT
c_atm

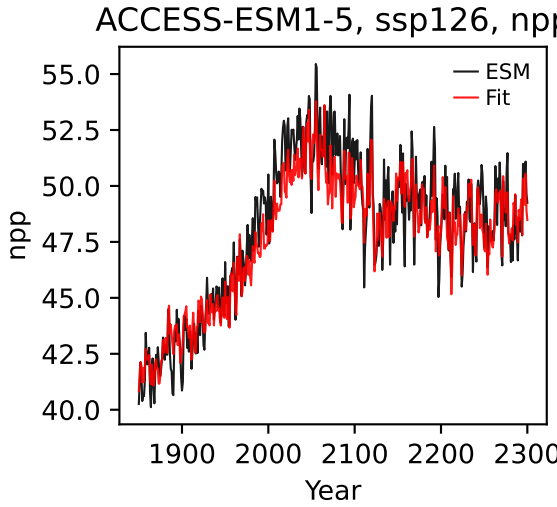

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7729, 0.5063, -0.0246, 0.0000, 0.8061, 0.9728, 0.
ACCESS-ESM1-5
sres_t_e
sres_t_l
−3
−2
−1
0
1
2
11.6
10.4
9.2
8.0
6.8
5.6
4.4
3.2
2.0

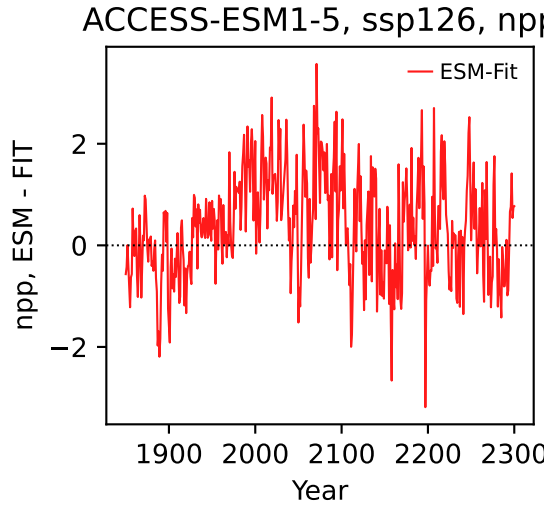

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7729, 0.5063, -0.0246, 0.0000, 0.8061, 0.9728, 0.
ACCESS-ESM1-5
sres_c_e
sres_c_l
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
8.7
7.5
6.3
5.1
3.9
2.7
1.5
0.3

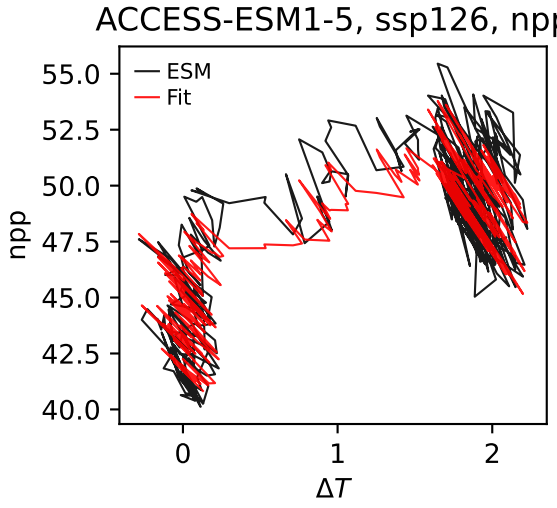

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7729, 0.5063, -0.0246, 0.0000, 0.8061, 0.9728, 0.
ACCESS-ESM1-5
sres_hyst
sres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
11.1
9.9
8.7
7.5
6.3
5.1
3.9
2.7

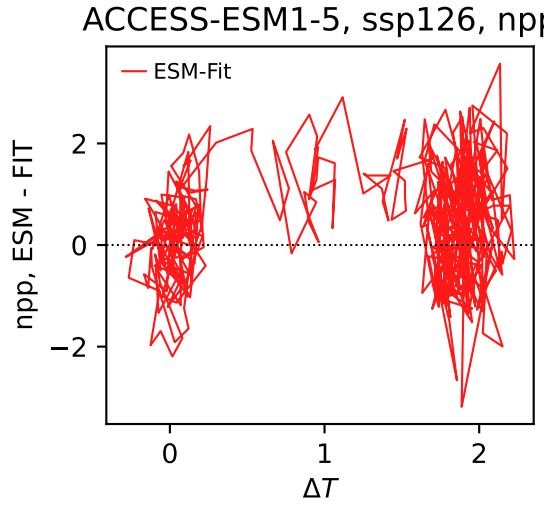

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7729, 0.5063, -0.0246, 0.0000, 0.8061, 0.9728, 0.
1e+131+6.324429801e+1
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
sres_fast
ACCESS-ESM1-5
−0.04
−0.02
0.00
0.02
0.04
sres_c_tan
8.36
8.20
8.04
7.88
7.72
7.56
7.40
7.24
7.08

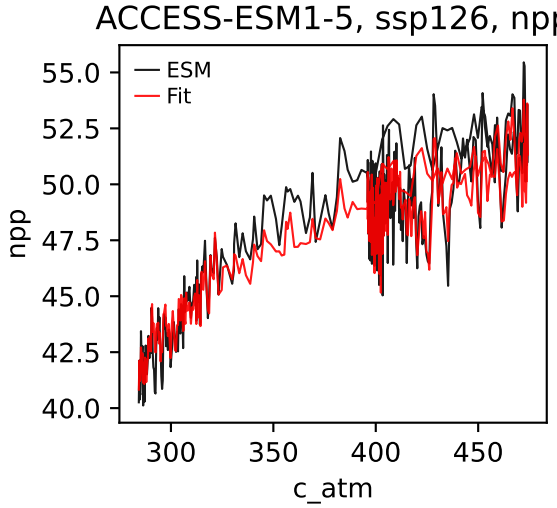

ACCESS-ESM1-5, ssp126, sres, ln(MSE/SIGMA)
052, 0.1833, 91.7729, 0.5063, -0.0246, 0.0000, 0.8061, 0.9728, 0.
1e+13+6.3244298e+11
ACCESS-ESM1-5
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
−0.04
−0.02
0.00
0.02
0.04
sres_c_tan2
8.36
8.20
8.04
7.88
7.72
7.56
7.40
7.24
7.08

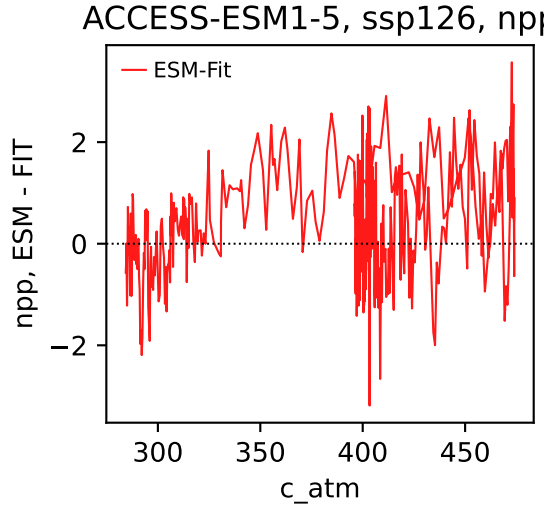

ACCESS-ESM1-5, ssp126, npp
ESM
Fit
npp
55.0
52.5
50.0
47.5
45.0
42.5
40.0
1900
2000
2100
2200
2300
Year

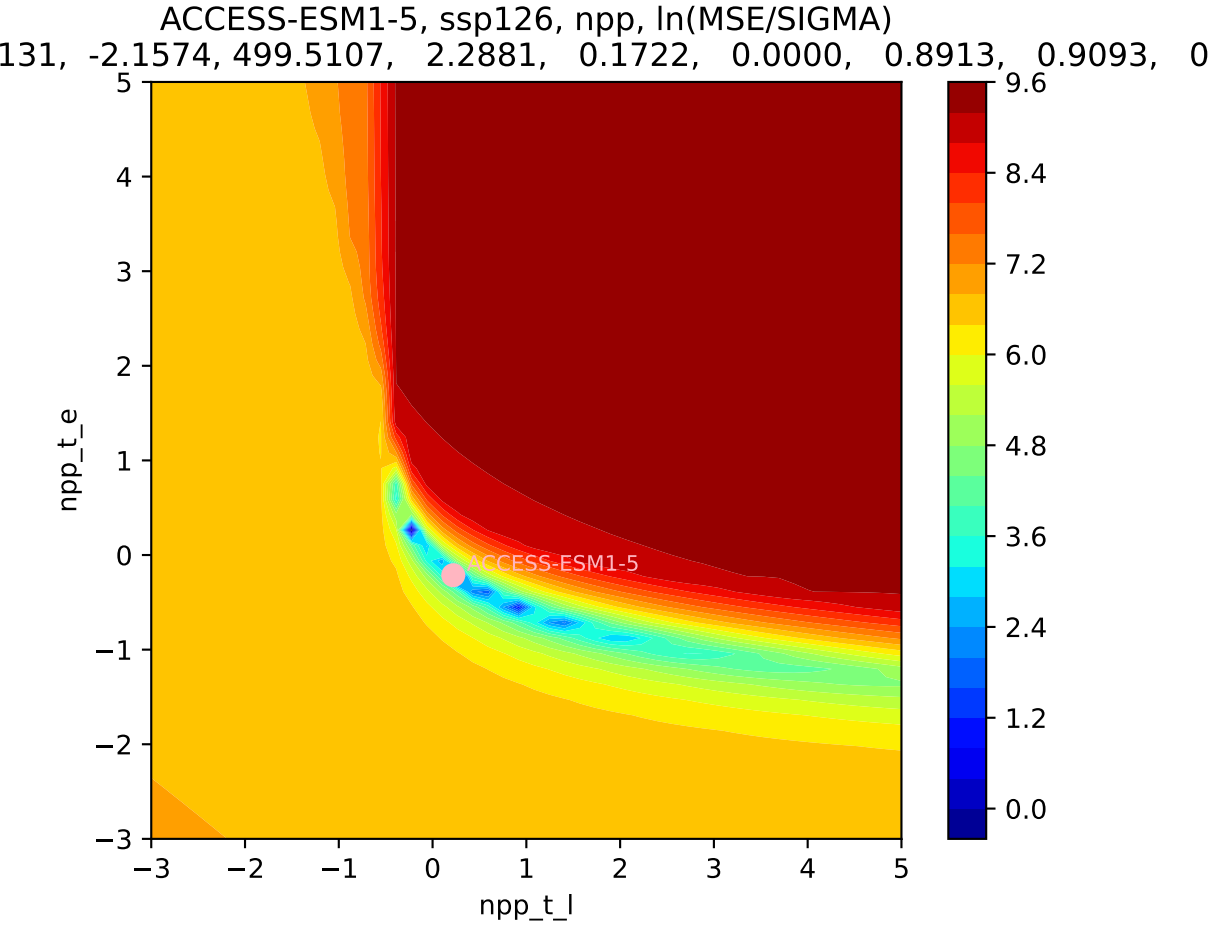

ACCESS-ESM1-5, ssp126, npp
ESM-Fit
npp, ESM - FIT
2
0
−2
1900
2000
2100
2200
2300
Year

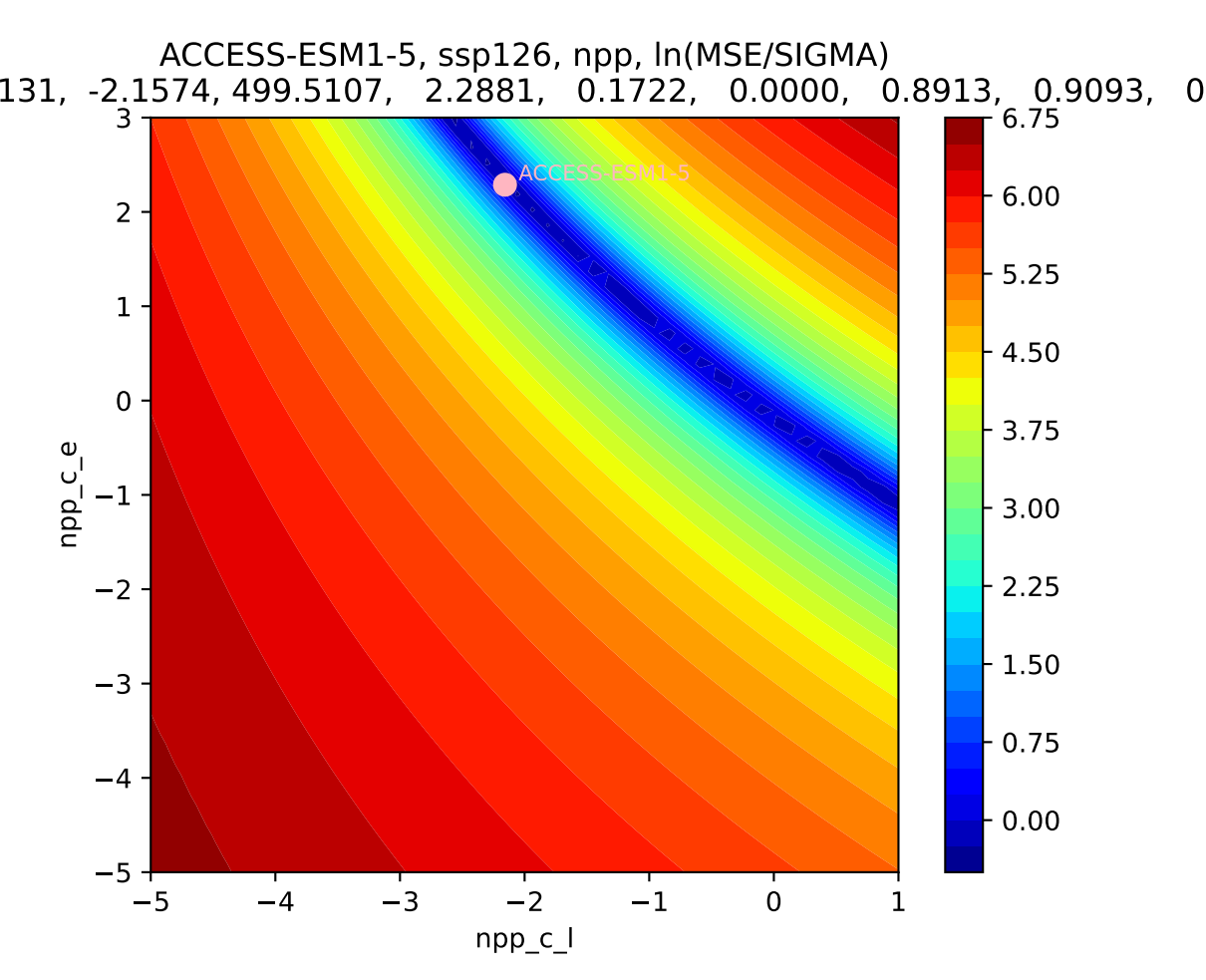

ACCESS-ESM1-5, ssp126, npp
ESM
Fit
npp
55.0
52.5
50.0
47.5
45.0
42.5
40.0
0
1
2
ΔT

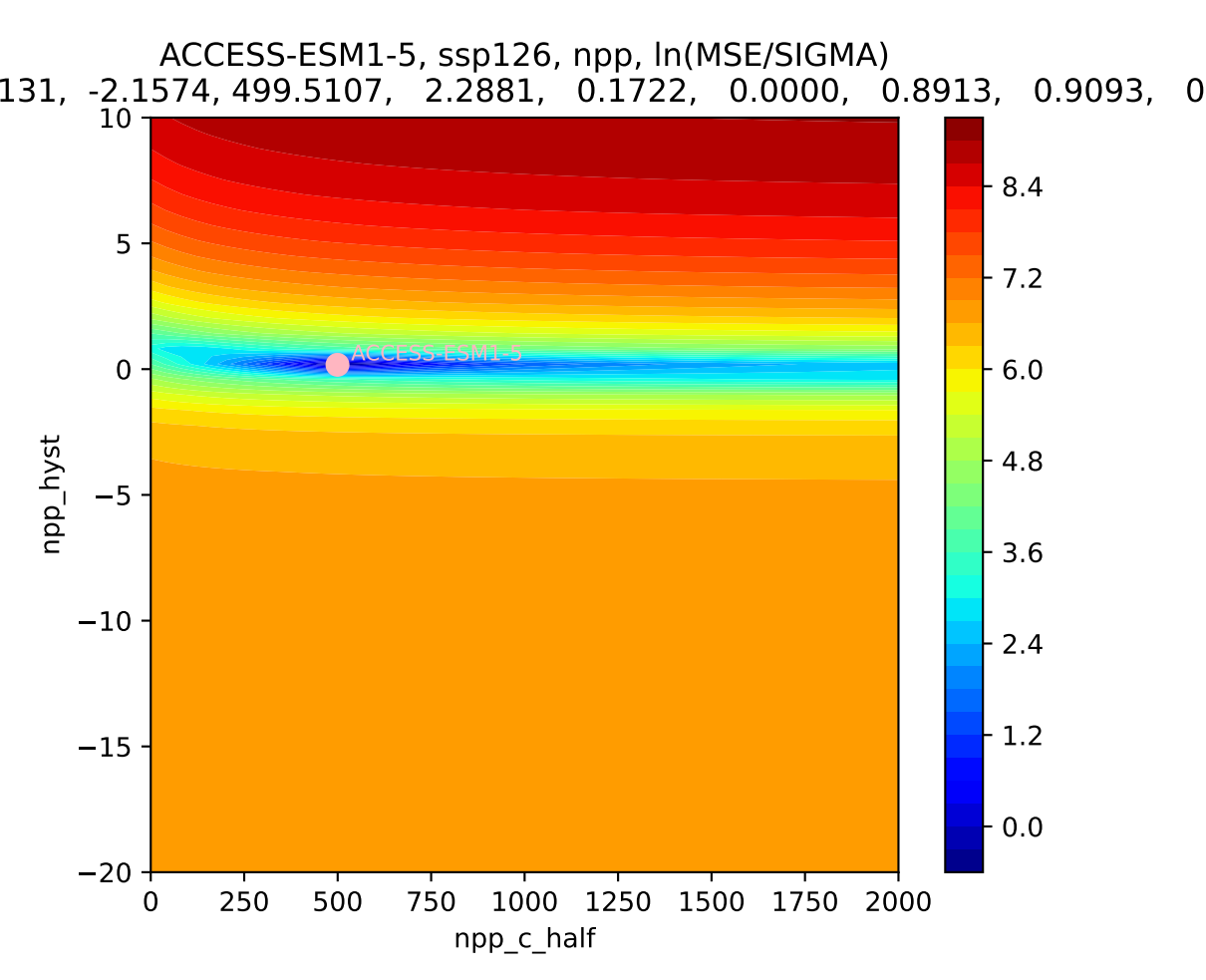

ACCESS-ESM1-5, ssp126, npp
ESM-Fit
npp, ESM - FIT
2
0
−2
0
1
2
ΔT

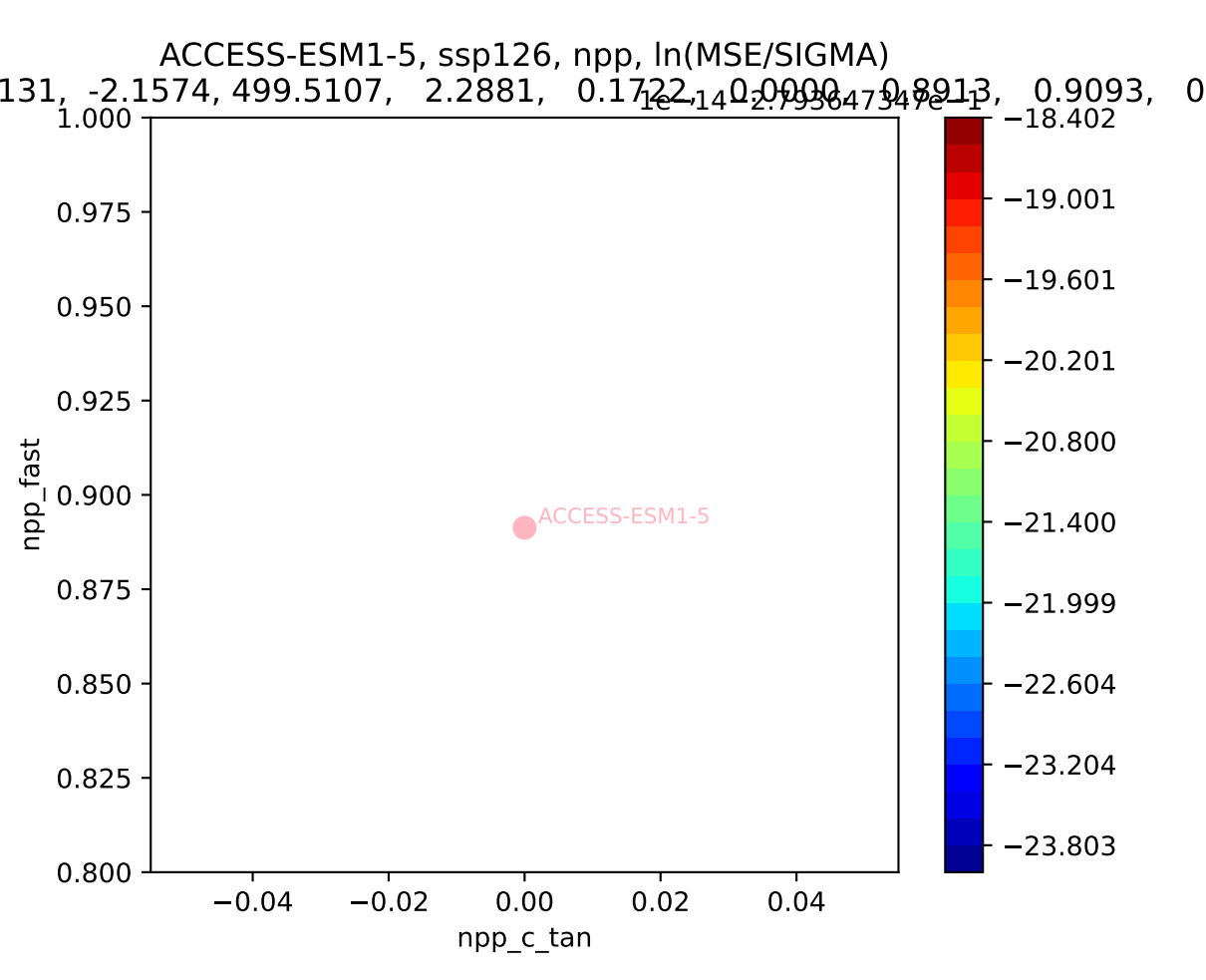

ACCESS-ESM1-5, ssp126, npp
ESM
Fit
npp
55.0
52.5
50.0
47.5
45.0
42.5
40.0
300
350
400
450
c_atm

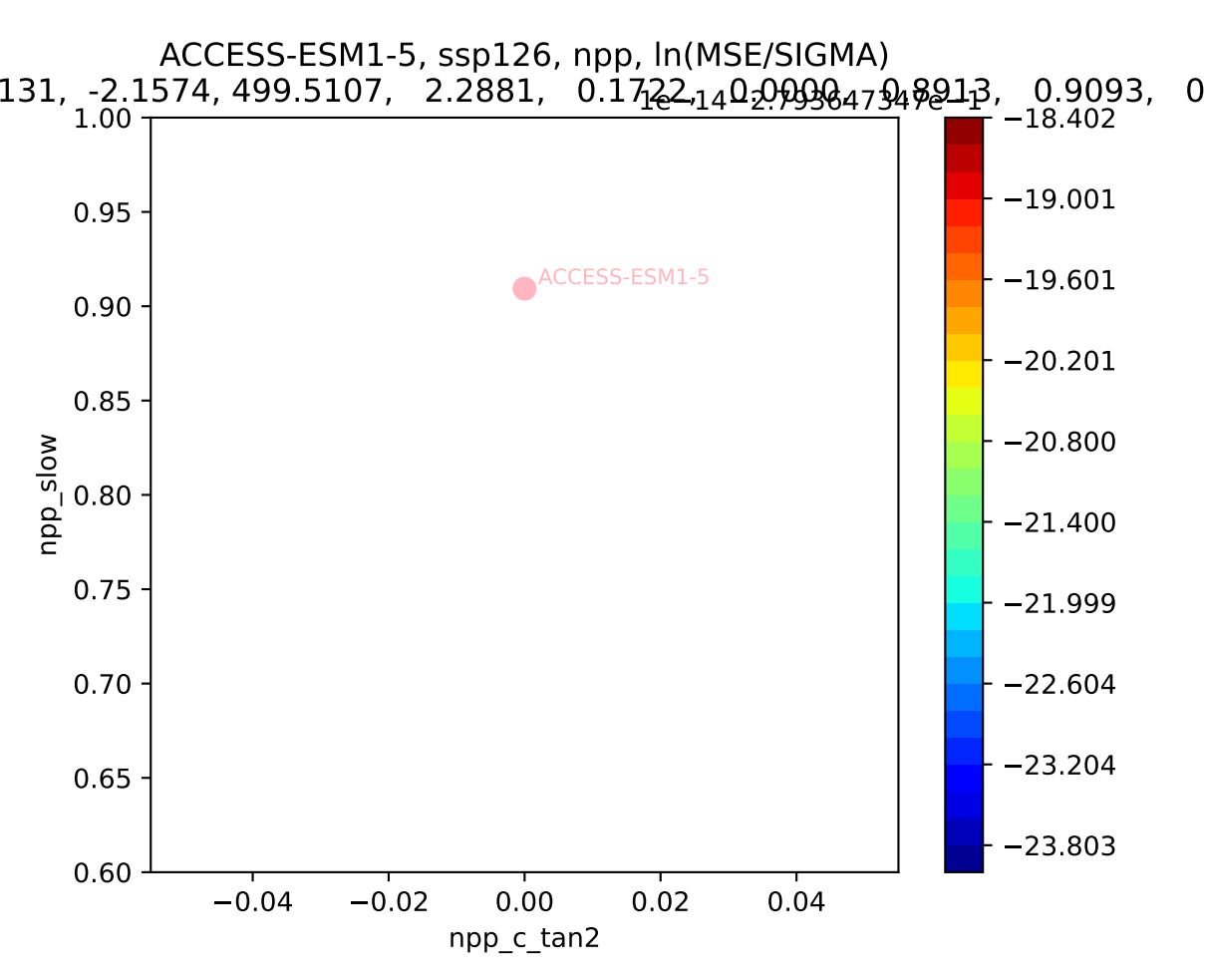

ACCESS-ESM1-5, ssp126, npp
ESM-Fit
npp, ESM - FIT
2
0
−2
300
350
400
450
c_atm

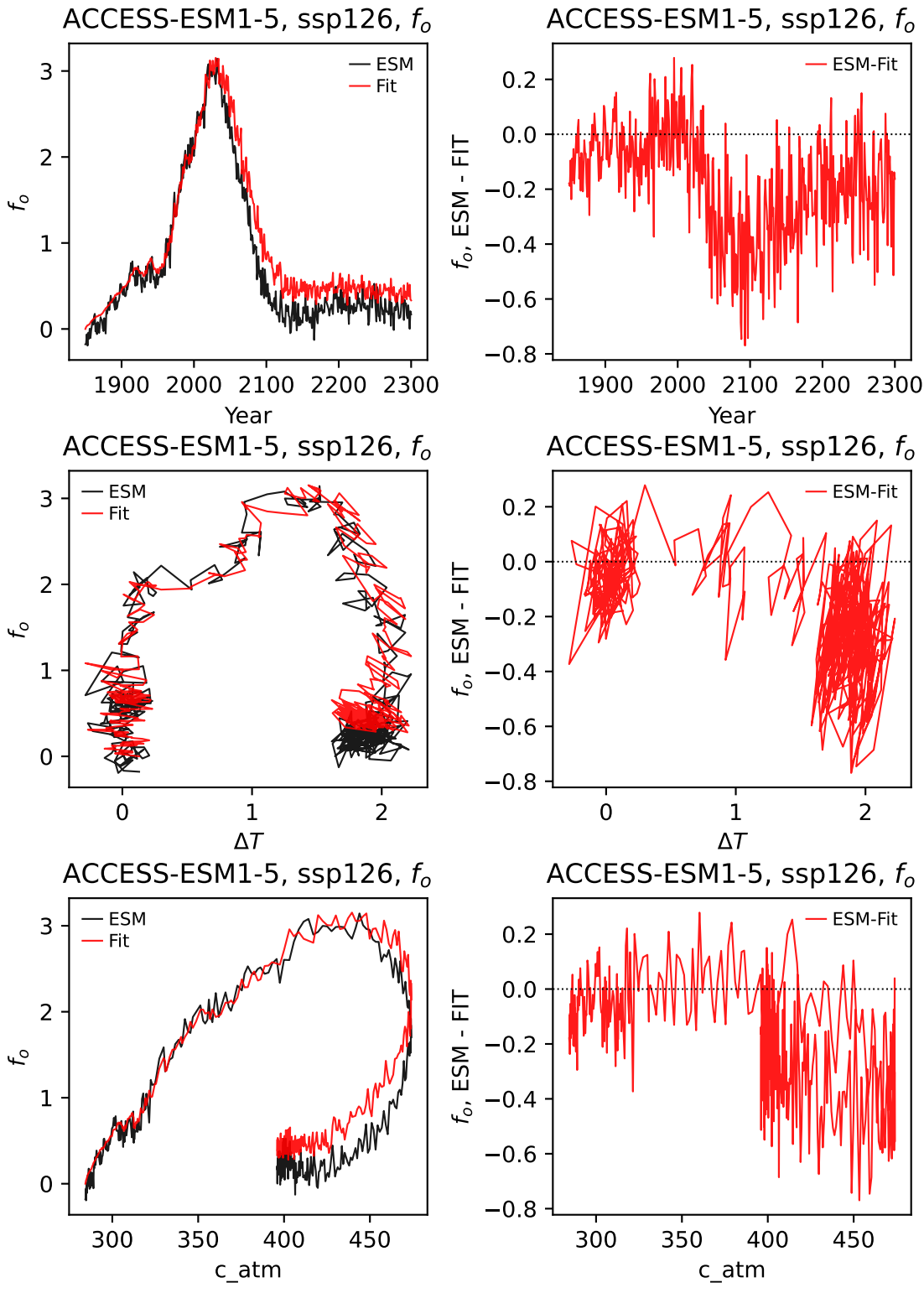

ACCESS-ESM1-5, ssp126, npp, ln(MSE/SIGMA)
131, -2.1574, 499.5107, 2.2881, 0.1722, 0.0000, 0.8913, 0.9093, 0
ACCESS-ESM1-5
npp_t_e
npp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0


ACCESS-ESM1-5, ssp126, npp, ln(MSE/SIGMA)
131, -2.1574, 499.5107, 2.2881, 0.1722, 0.0000, 0.8913, 0.9093, 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, 499.5107, 2.2881, 0.1722, 0.0000, 0.8913, 0.9093, 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, 499.5107, 2.2881, 0.1722, 0.0000, 0.8913, 0.9093, 0
1e−14 −2.793647347e−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
−18.402
−19.001
−19.601
−20.201
−20.800
−21.400
−21.999
−22.604
−23.204
−23.803


ACCESS-ESM1-5, ssp126, npp, ln(MSE/SIGMA)
131, -2.1574, 499.5107, 2.2881, 0.1722, 0.0000, 0.8913, 0.9093, 0
1e−14 −2.793647347e−1
ACCESS-ESM1-5
npp_slow
npp_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
−18.402
−19.001
−19.601
−20.201
−20.800
−21.400
−21.999
−22.604
−23.204
−23.803


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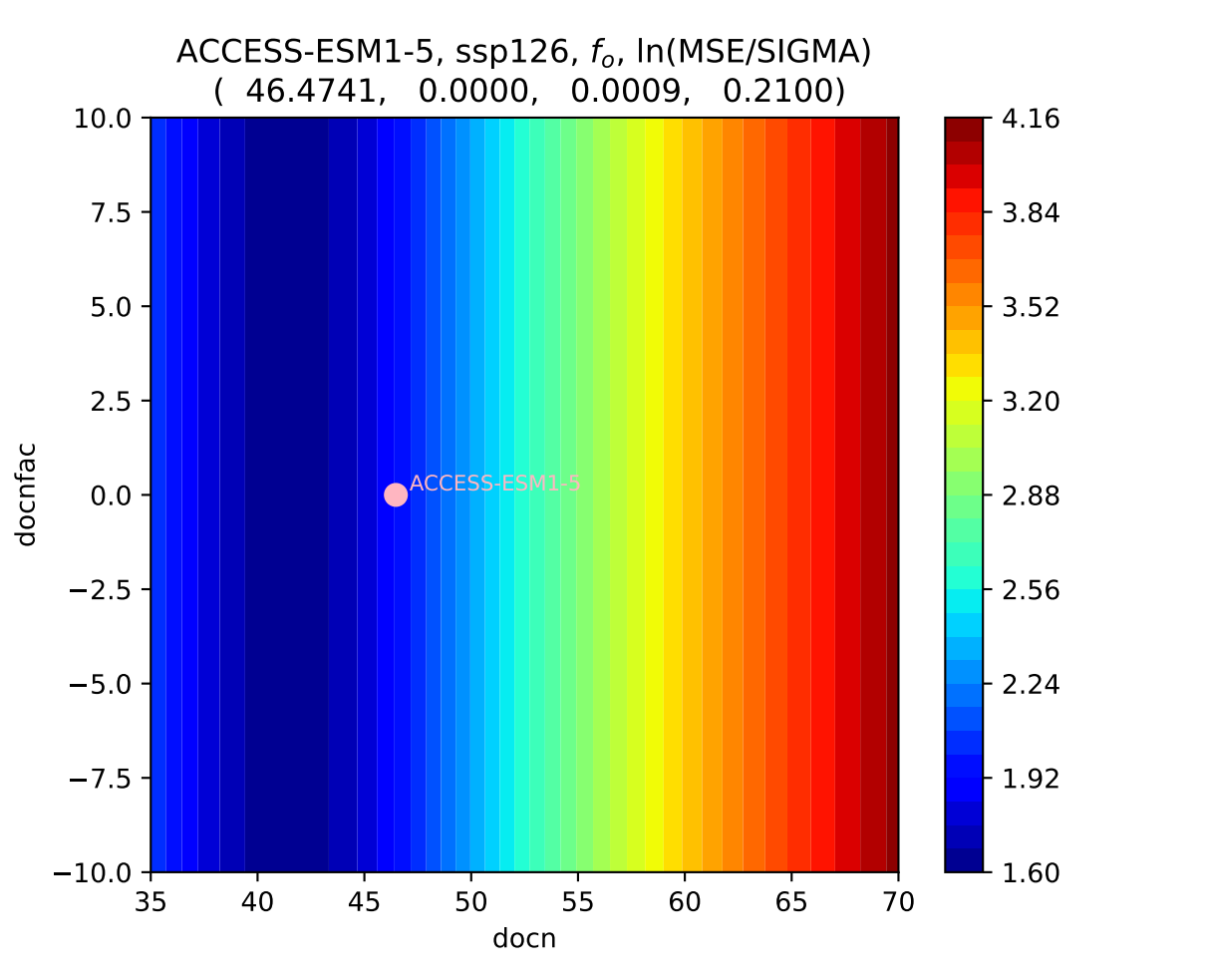
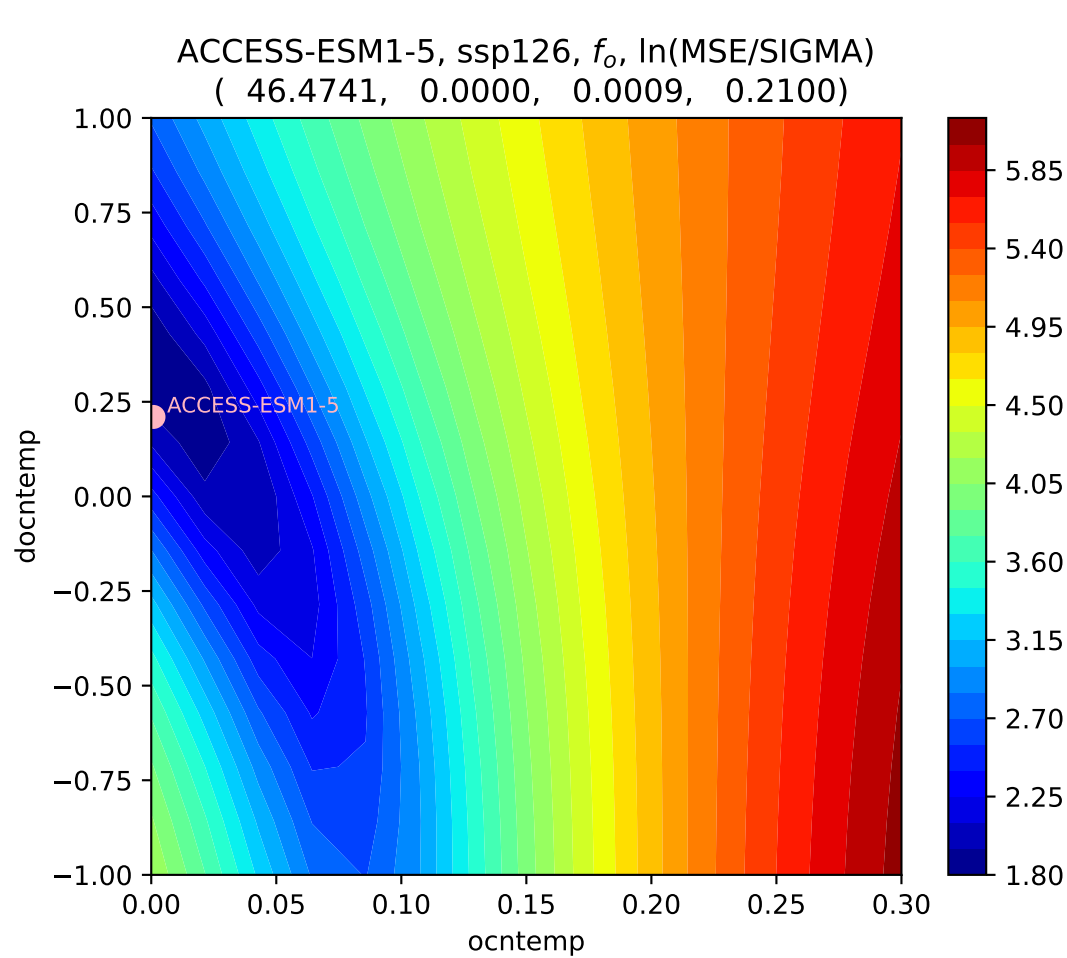
ESM-Fit
f_o, ESM - FIT
c_atm


ACCESS-ESM1-5, ssp126, f_o, ln(MSE/SIGMA)
(46.4741, 0.0000, 0.0009, 0.2100)
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
4.16
3.84
3.52
3.20
2.88
2.56
2.24
1.92
1.60


ACCESS-ESM1-5, ssp126, f_o, ln(MSE/SIGMA)
(46.4741, 0.0000, 0.0009, 0.2100)
ACCESS-ESM1-5
docntemp
ocntemp
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
0.00
0.05
0.10
0.15
0.20
0.25
0.30
5.85
5.40
4.95
4.50
4.05
3.60
3.15
2.70
2.25
1.80