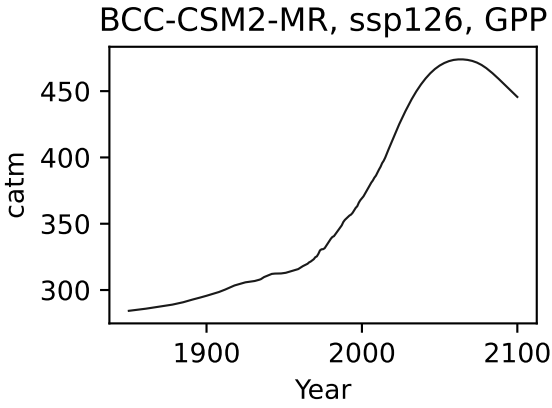
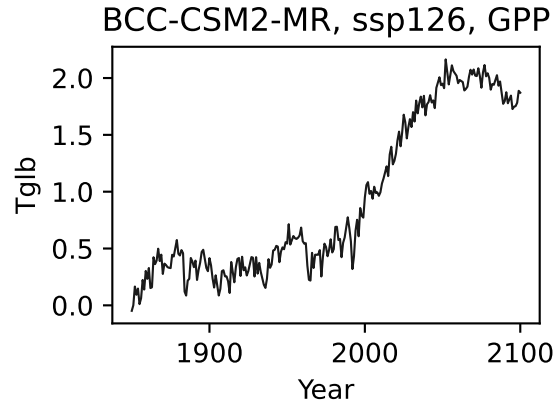
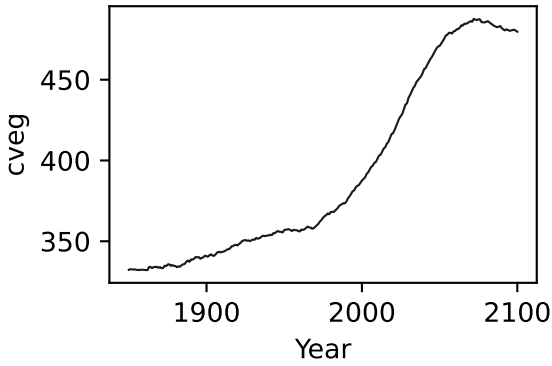
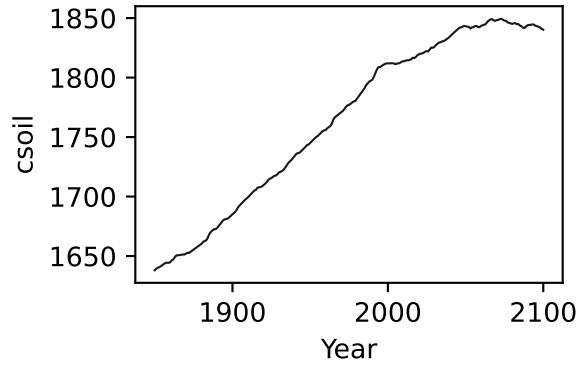
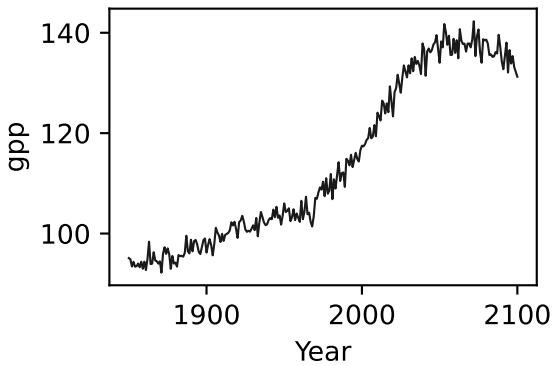
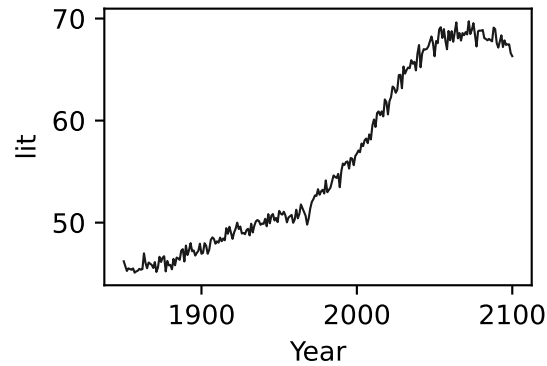

BCC-CSM2-MR, ssp126, GPP
catm
450
400
350
300
1900
2000
2100
Year

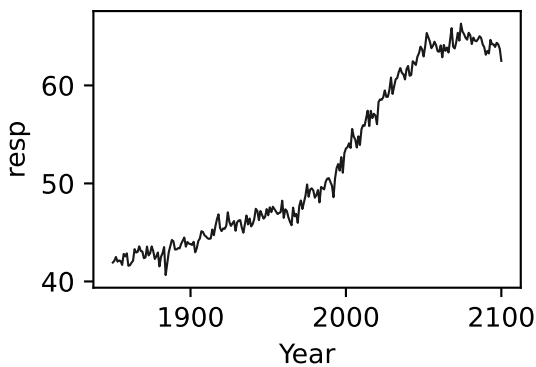

BCC-CSM2-MR, ssp126, GPP
Tglb
2.0
1.5
1.0
0.5
0.0
1900
2000
2100
Year

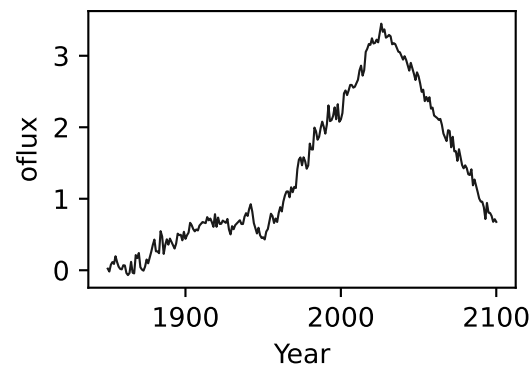

cveg
450
400
350
1900
2000
2100
Year

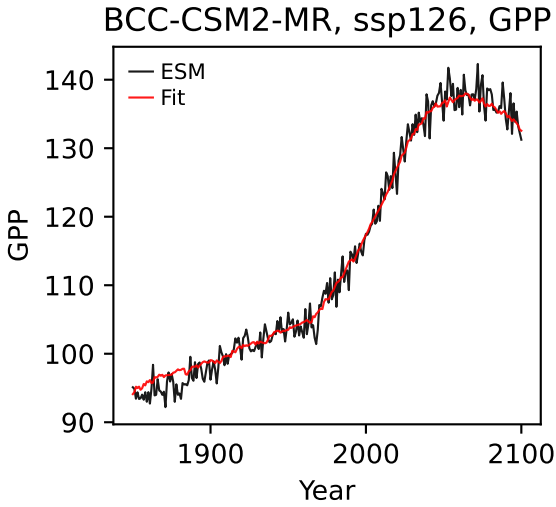

csoil
1850
1800
1750
1700
1650
1900
2000
2100
Year

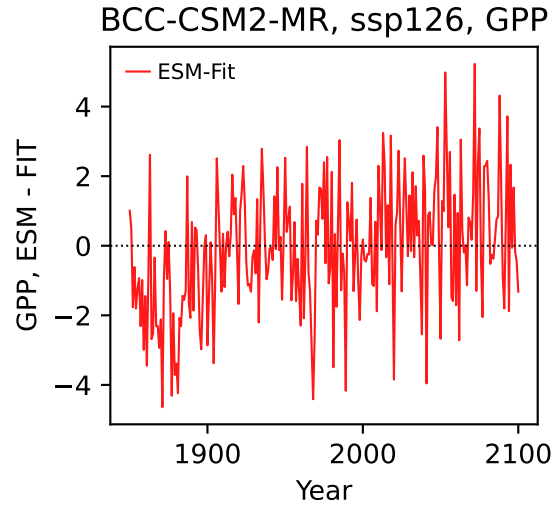

gpp
140
120
100
1900
2000
2100
Year

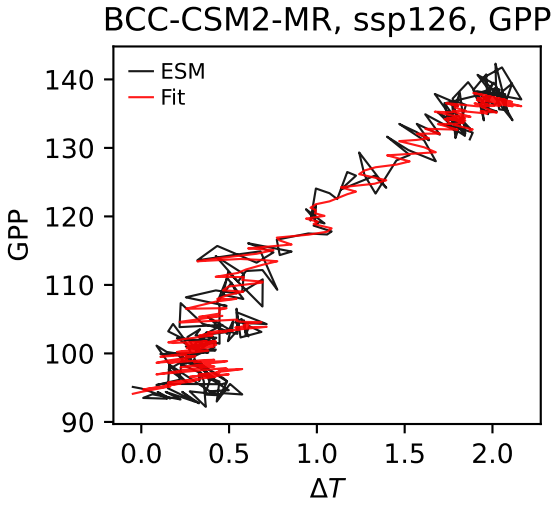

lit
70
60
50
1900
2000
2100
Year

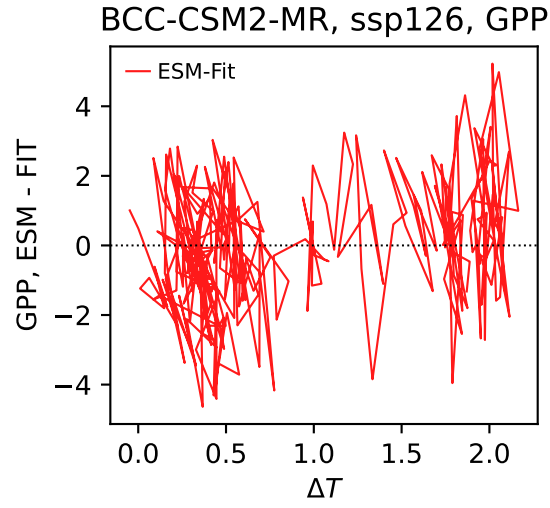

resp
60
50
40
1900
2000
2100
Year

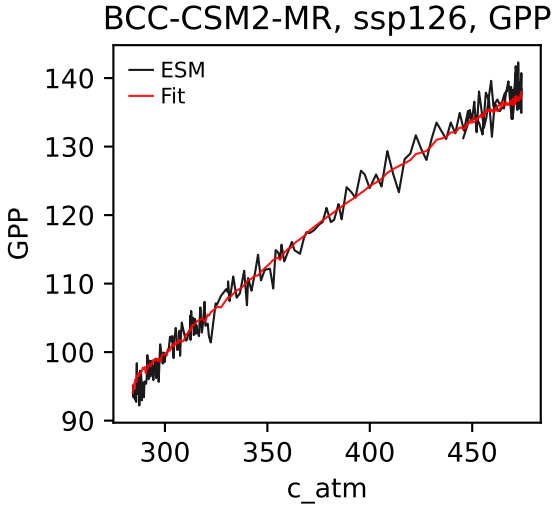

oflux
3
2
1
0
1900
2000
2100
Year

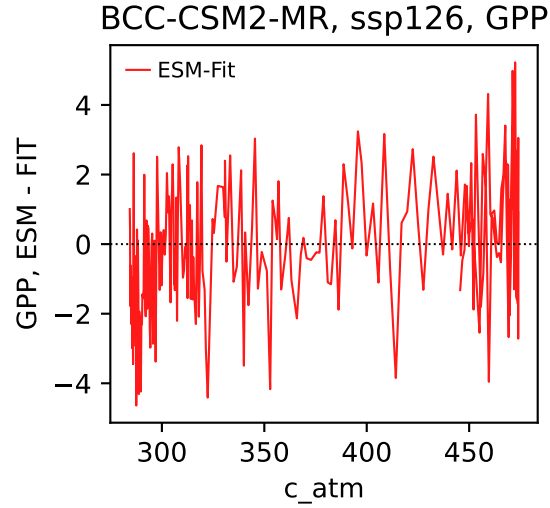

BCC-CSM2-MR, ssp126, GPP
ESM
Fit
GPP
Year

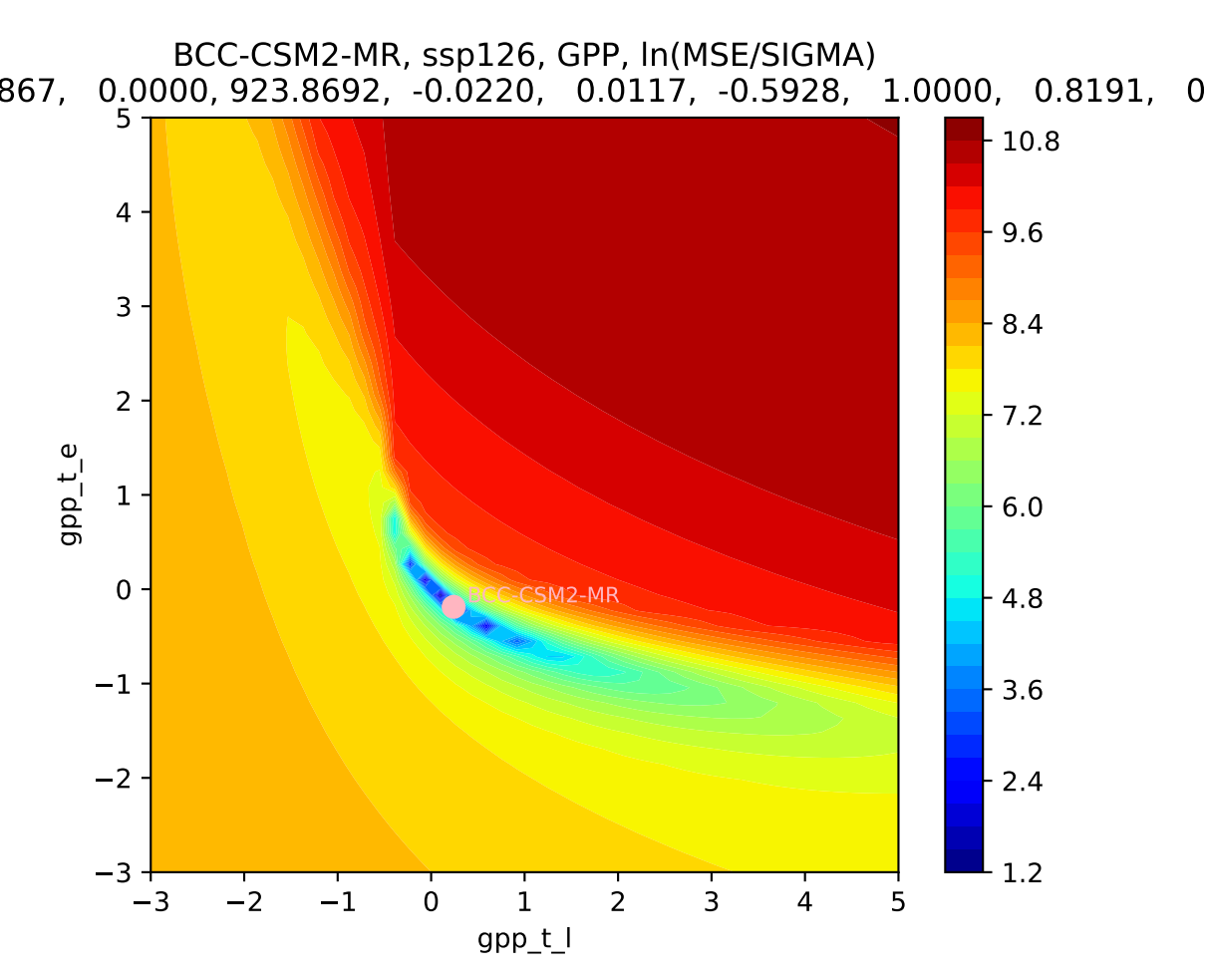

BCC-CSM2-MR, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
Year

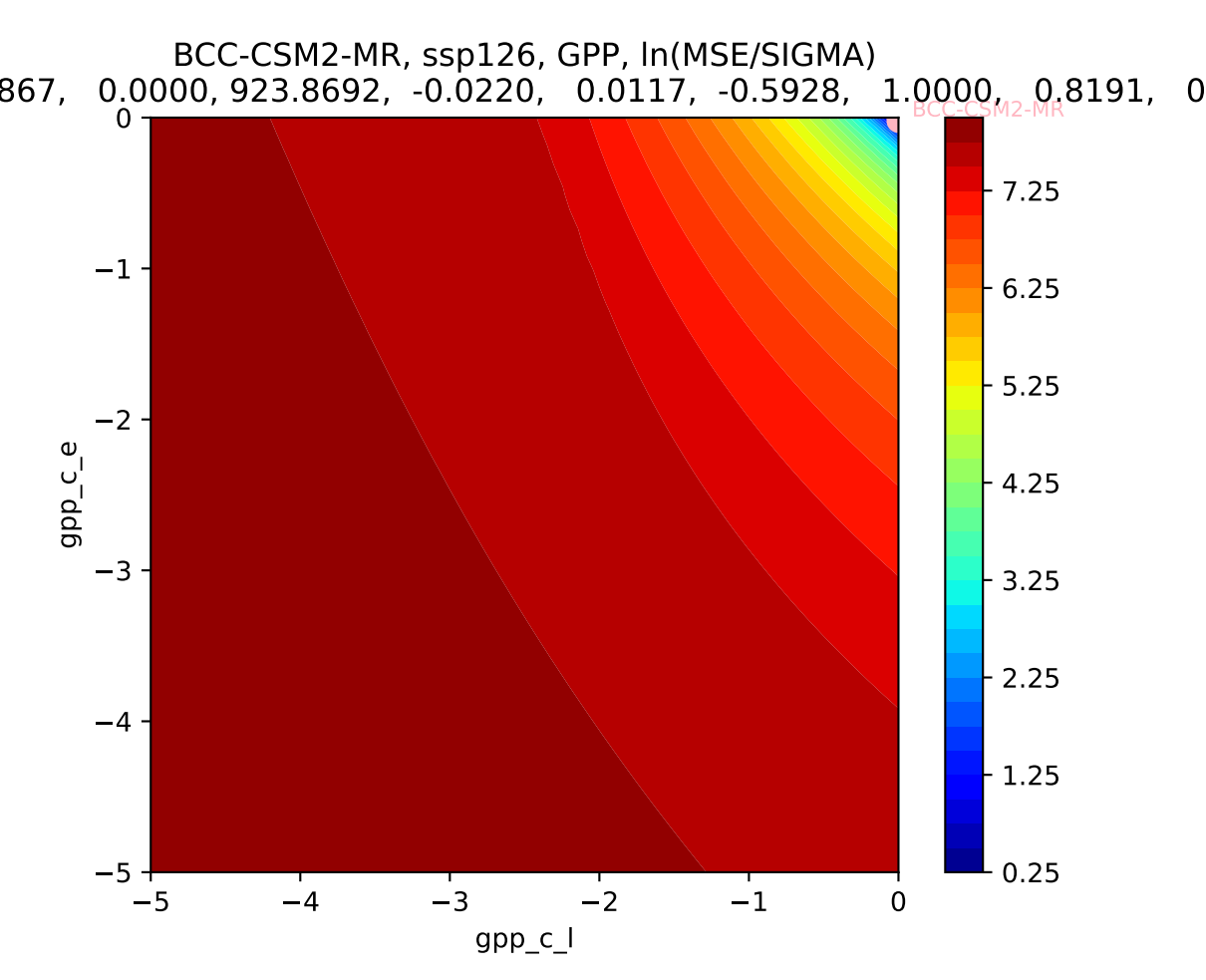

BCC-CSM2-MR, ssp126, GPP
ESM
Fit
GPP
ΔT

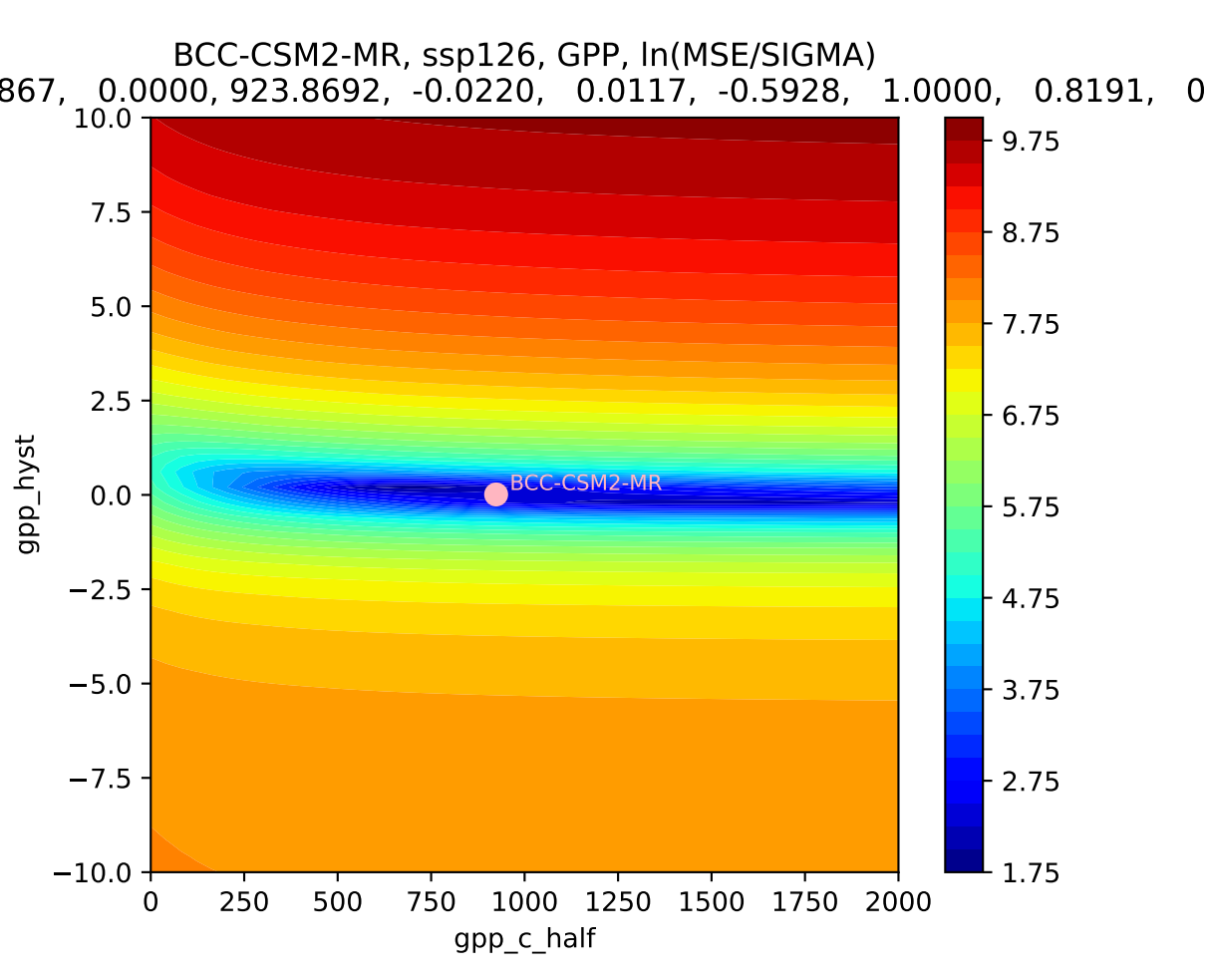

BCC-CSM2-MR, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

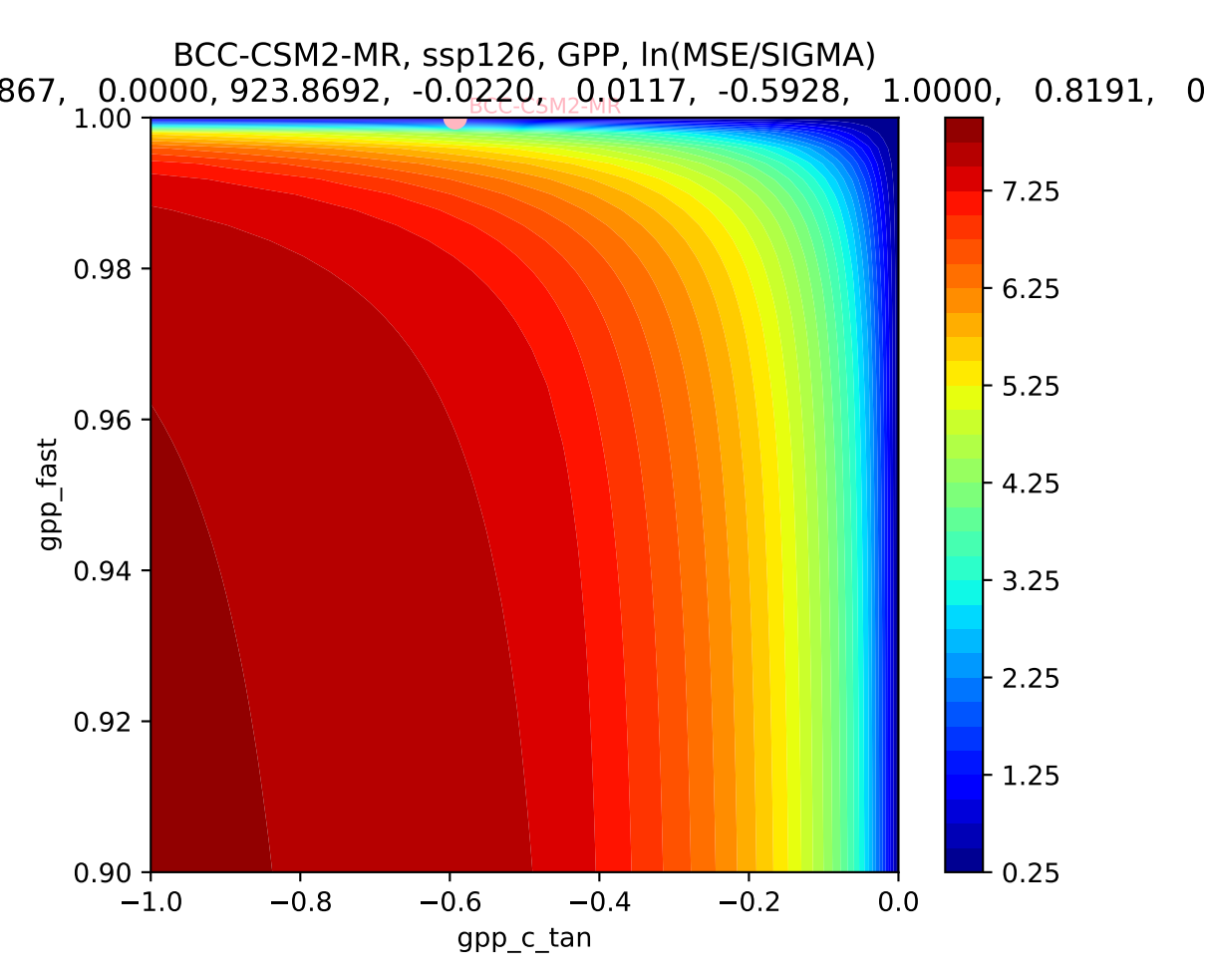

BCC-CSM2-MR, ssp126, GPP
ESM
Fit
GPP
c_atm

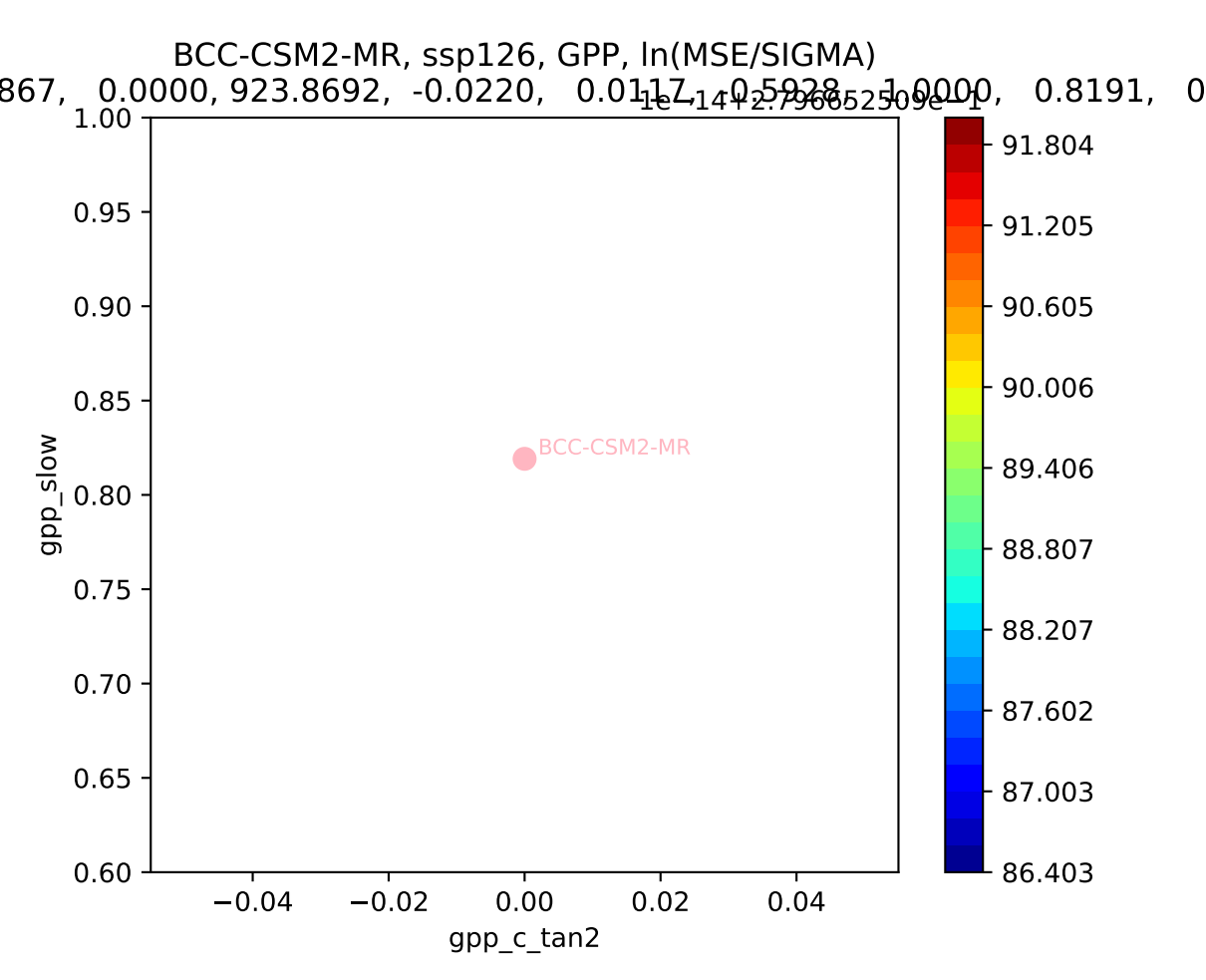

BCC-CSM2-MR, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

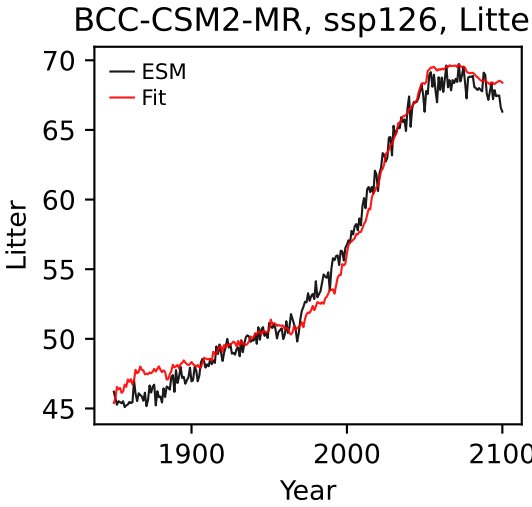

BCC-CSM2-MR, ssp126, GPP, ln(MSE/SIGMA)
867, 0.0000, 923.8692, -0.0220, 0.0117, -0.5928, 1.0000, 0.8191, 0
BCC-CSM2-MR
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

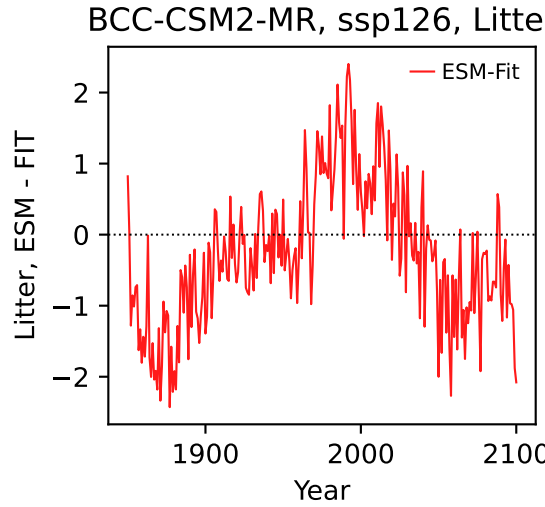

BCC-CSM2-MR, ssp126, GPP, ln(MSE/SIGMA)
867, 0.0000, 923.8692, -0.0220, 0.0117, -0.5928, 1.0000, 0.8191, 0
BCC-CSM2-MR
gpp_c_e
gpp_c_l
0
−1
−2
−3
−4
−5
7.25
6.25
5.25
4.25
3.25
2.25
1.25
0.25

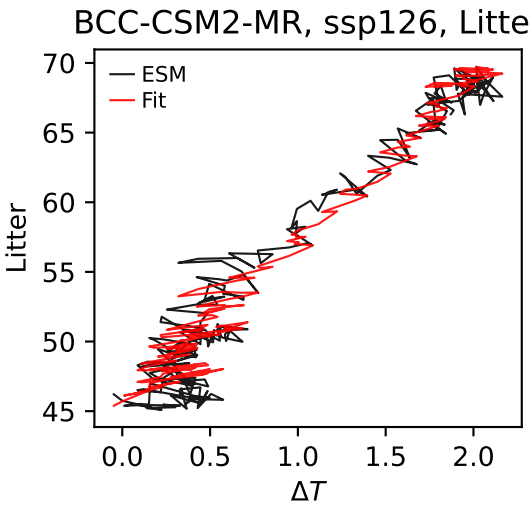

BCC-CSM2-MR, ssp126, GPP, ln(MSE/SIGMA)
867, 0.0000, 923.8692, -0.0220, 0.0117, -0.5928, 1.0000, 0.8191, 0
BCC-CSM2-MR
gpp_hyst
gpp_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
9.75
8.75
7.75
6.75
5.75
4.75
3.75
2.75
1.75

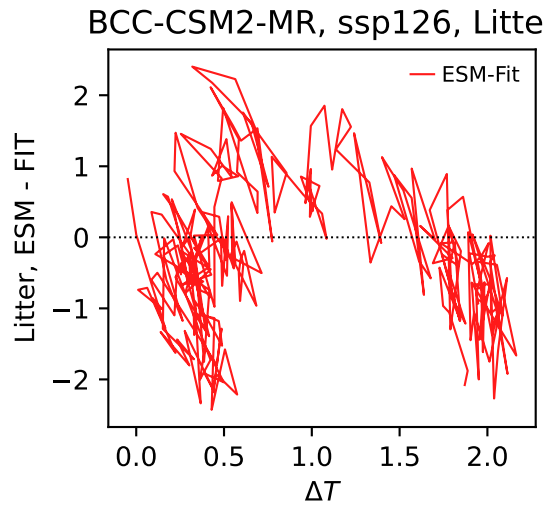

BCC-CSM2-MR, ssp126, GPP, ln(MSE/SIGMA)
867, 0.0000, 923.8692, -0.0220, 0.0117, -0.5928, 1.0000, 0.8191, 0
BCC-CSM2-MR
1.00
0.98
0.96
0.94
0.92
0.90
gpp_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
gpp_c_tan
7.25
6.25
5.25
4.25
3.25
2.25
1.25
0.25

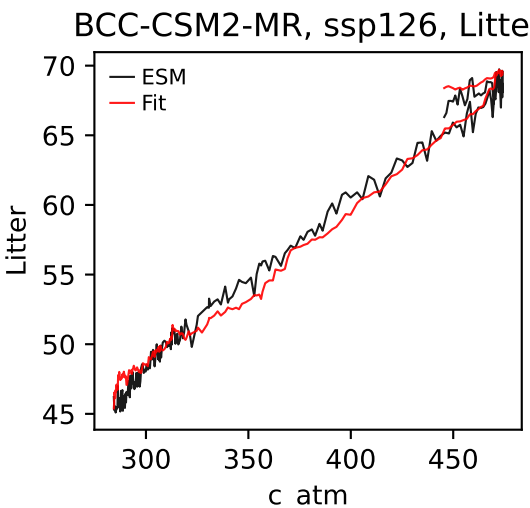

BCC-CSM2-MR, ssp126, GPP, ln(MSE/SIGMA)
867, 0.0000, 923.8692, -0.0220, 0.0117, 0.5928, 1.0000, 0.8191, 0
1e-14+2.796652509e-1
BCC-CSM2-MR
gpp_slow
gpp_c_tan2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
91.804
91.205
90.605
90.006
89.406
88.807
88.207
87.602
87.003
86.403

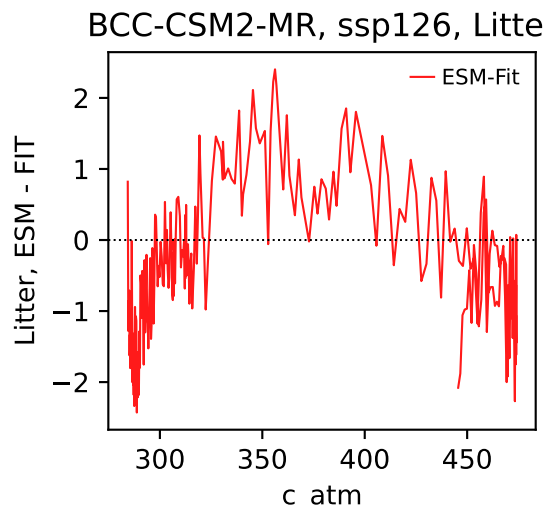

BCC-CSM2-MR, ssp126, Litter
ESM
Fit
Litter
Year
70
65
60
55
50
45
1900
2000
2100

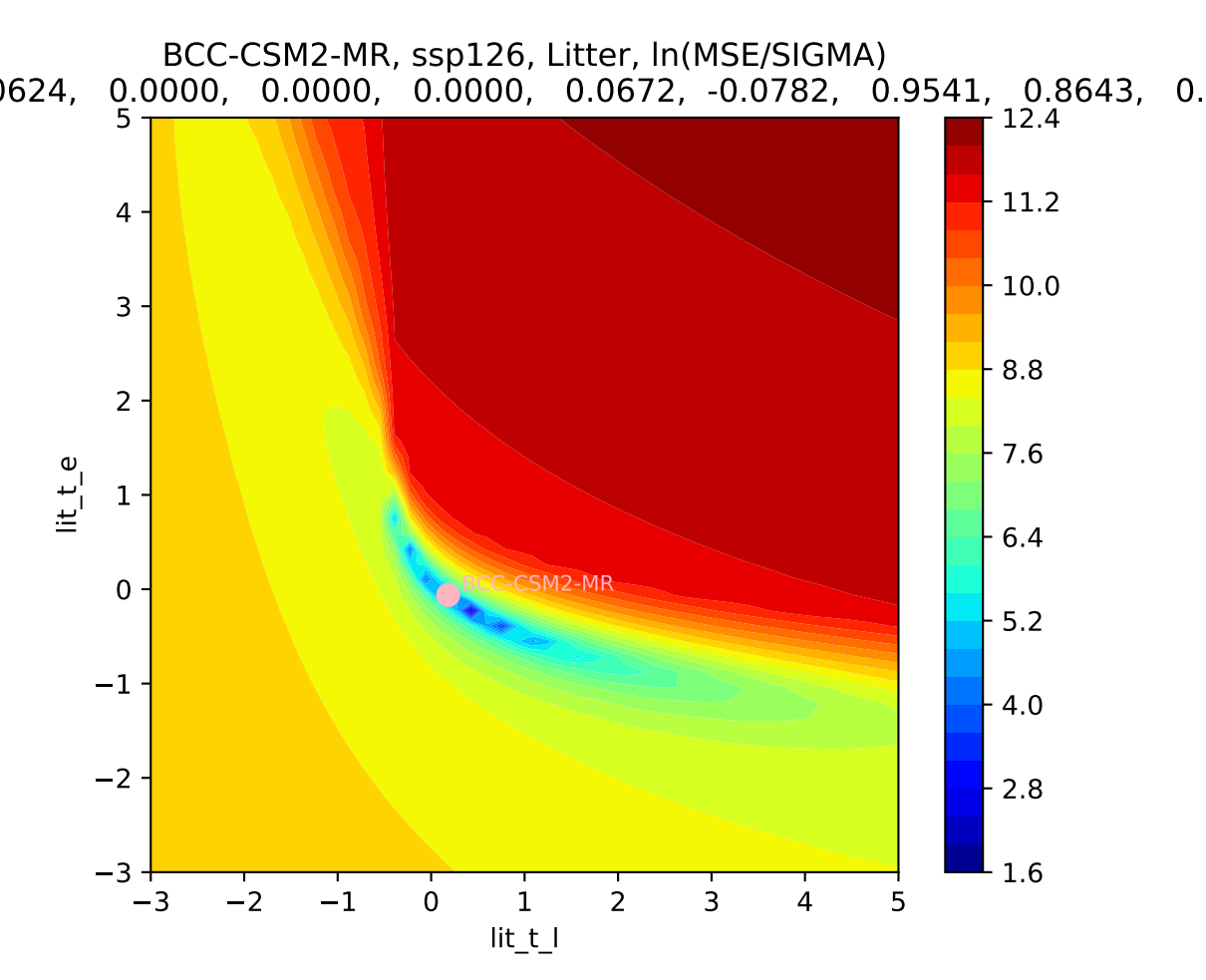

BCC-CSM2-MR, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
Year
2
1
0
−1
−2
1900
2000
2100

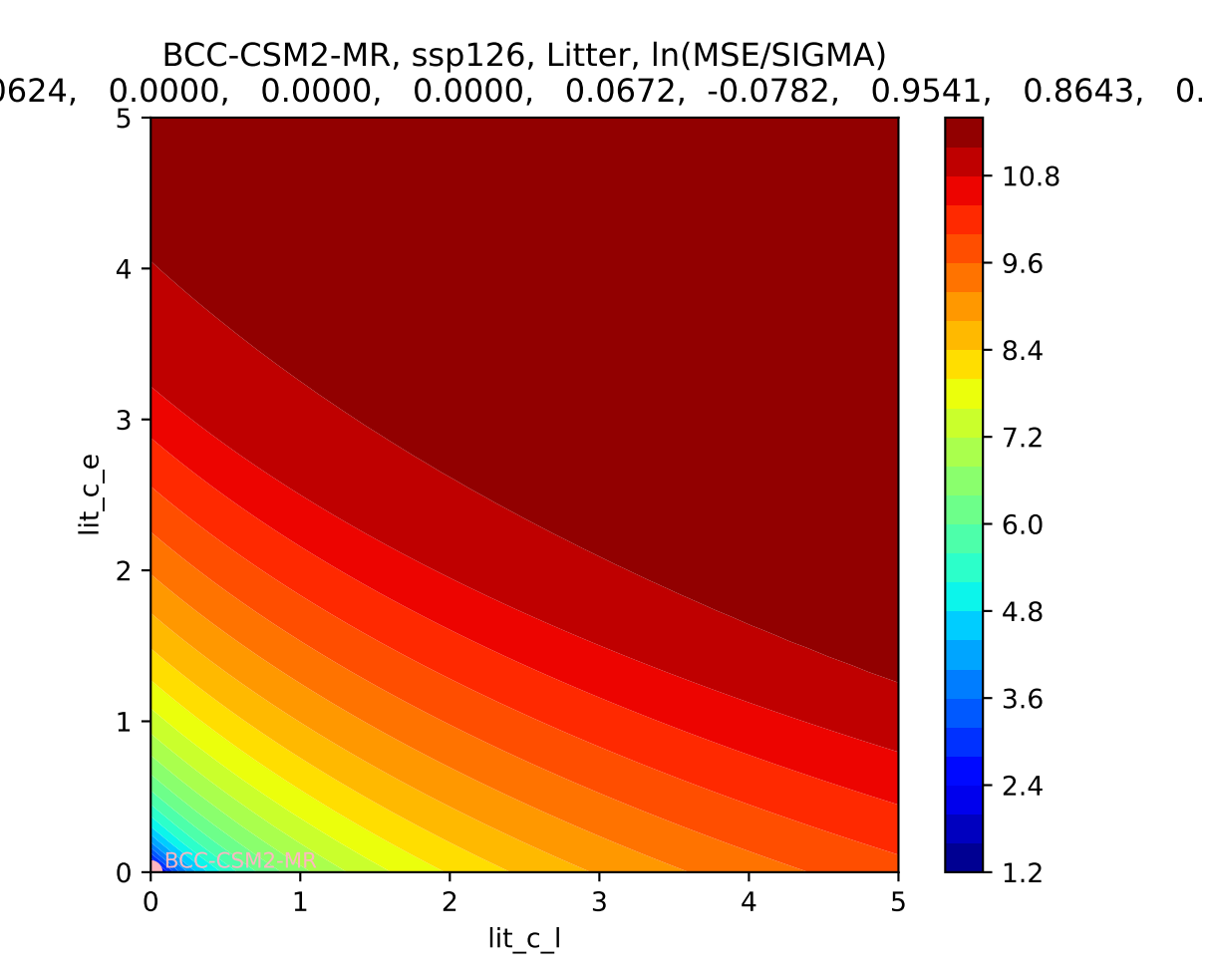

BCC-CSM2-MR, ssp126, Litter
ESM
Fit
Litter
ΔT
70
65
60
55
50
45
0.0
0.5
1.0
1.5
2.0

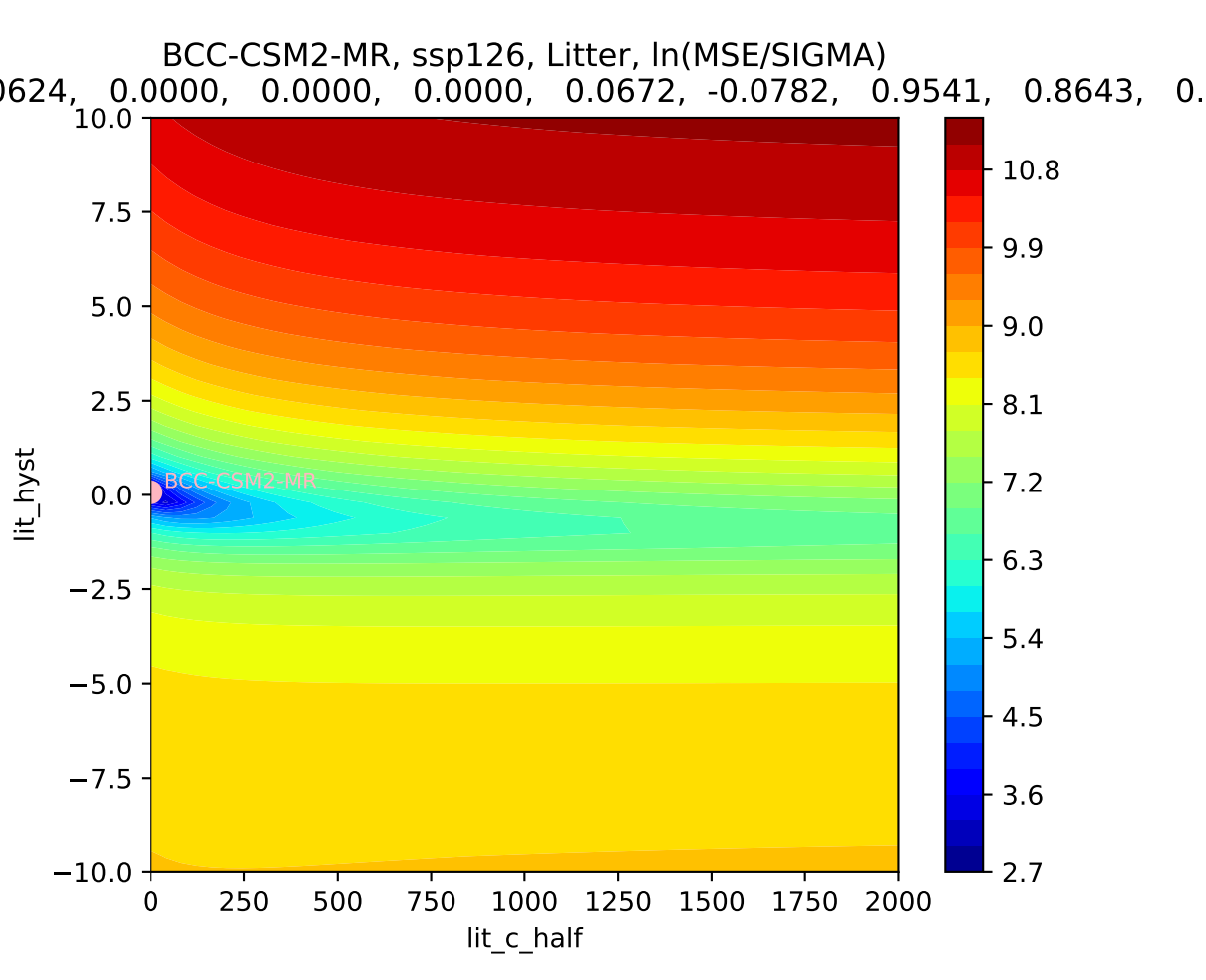

BCC-CSM2-MR, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
ΔT
2
1
0
−1
−2
0.0
0.5
1.0
1.5
2.0

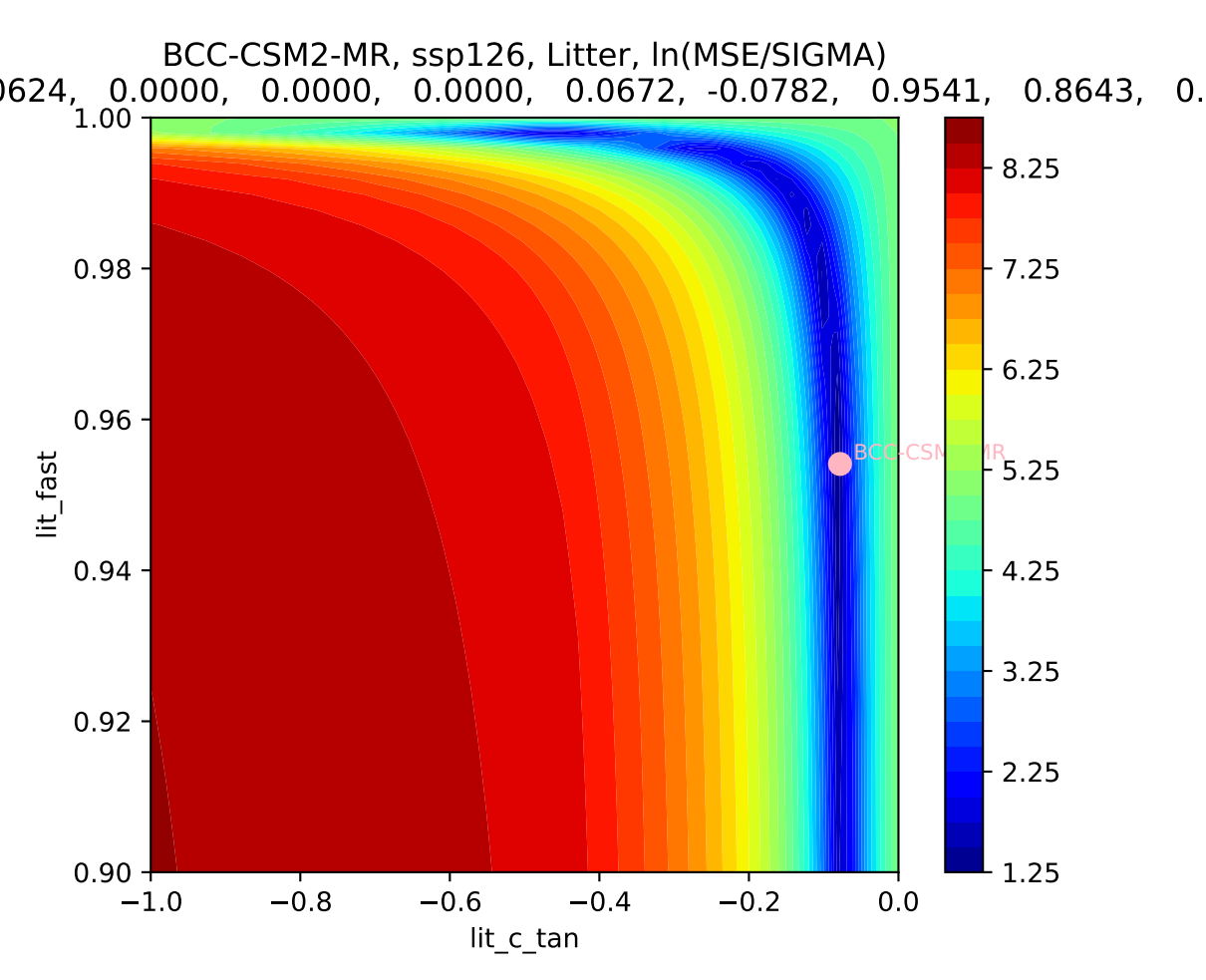

BCC-CSM2-MR, ssp126, Litter
ESM
Fit
Litter
c_atm
70
65
60
55
50
45
300
350
400
450

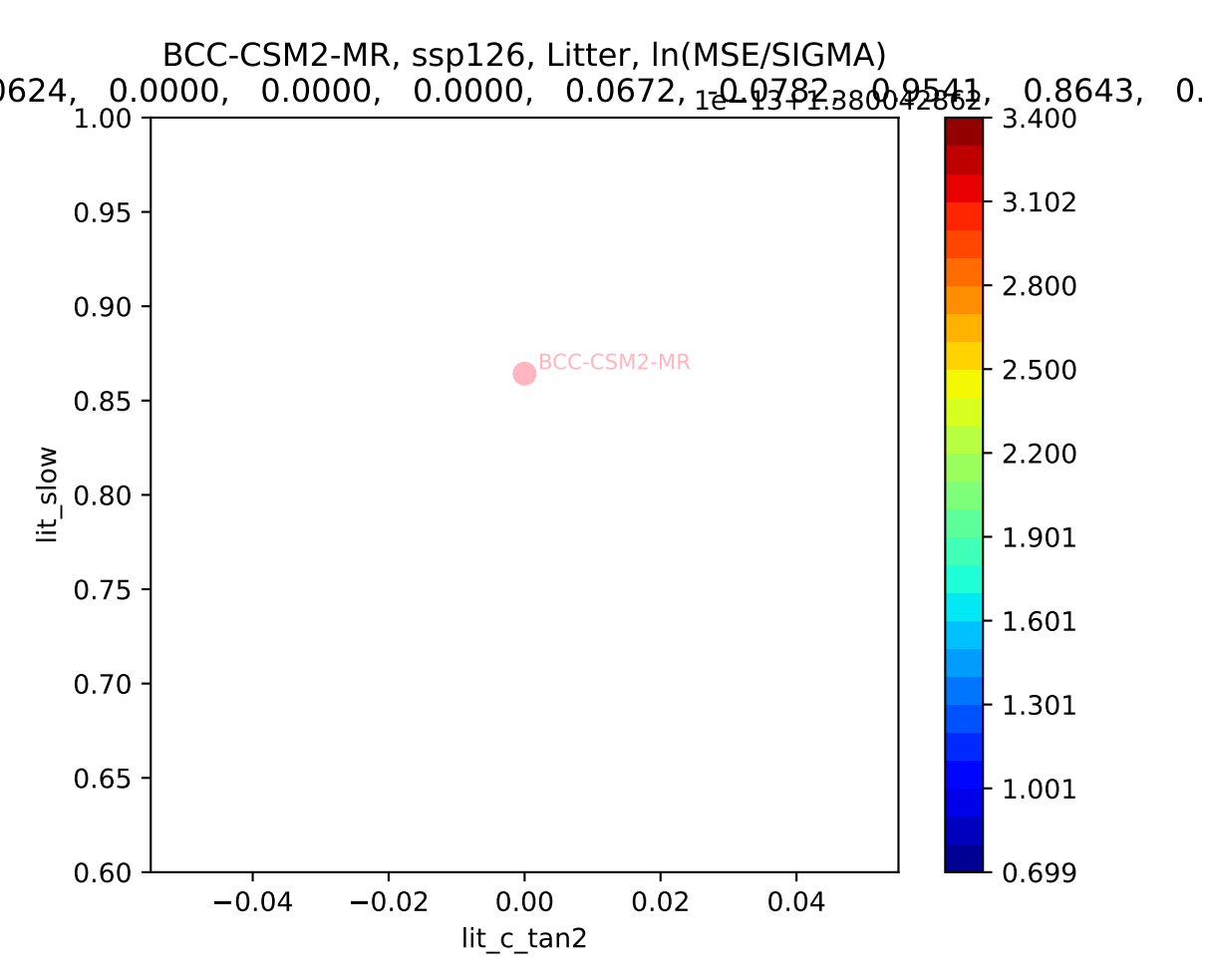

BCC-CSM2-MR, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
c_atm
2
1
0
−1
−2
300
350
400
450

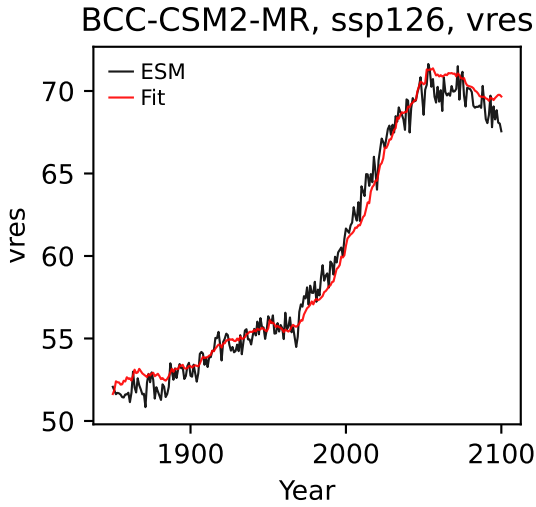

BCC-CSM2-MR, ssp126, Litter, ln(MSE/SIGMA)
0624, 0.0000, 0.0000, 0.0000, 0.0672, -0.0782, 0.9541, 0.8643, 0.
BCC-CSM2-MR
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
12.4
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6

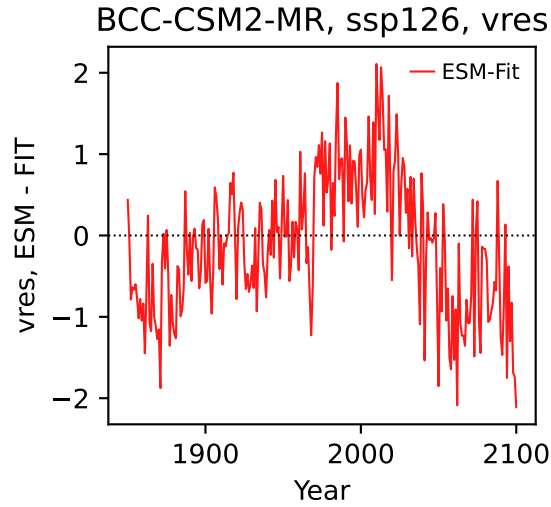

BCC-CSM2-MR, ssp126, Litter, ln(MSE/SIGMA)
0624, 0.0000, 0.0000, 0.0000, 0.0672, -0.0782, 0.9541, 0.8643, 0.
lit_c_e
lit_c_l
BCC-CSM2-MR
0
1
2
3
4
5
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

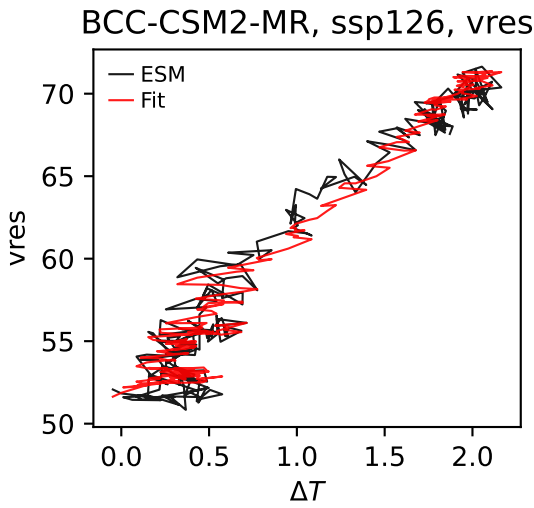

BCC-CSM2-MR, ssp126, Litter, ln(MSE/SIGMA)
0624, 0.0000, 0.0000, 0.0000, 0.0672, -0.0782, 0.9541, 0.8643, 0.
BCC-CSM2-MR
lit_hyst
lit_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.8
9.9
9.0
8.1
7.2
6.3
5.4
4.5
3.6
2.7

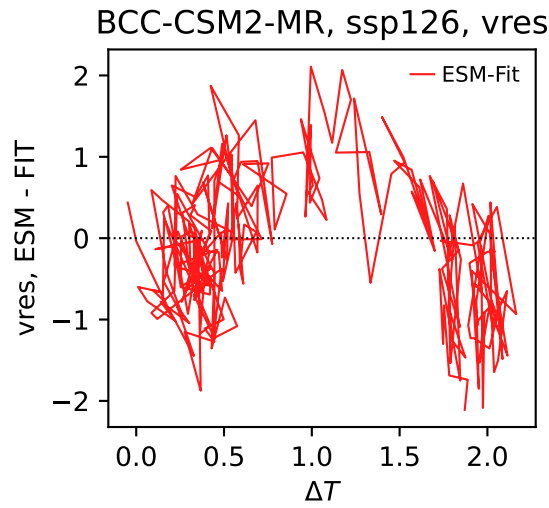

BCC-CSM2-MR, ssp126, Litter, ln(MSE/SIGMA)
0624, 0.0000, 0.0000, 0.0000, 0.0672, -0.0782, 0.9541, 0.8643, 0.
1.00
0.98
0.96
0.94
0.92
0.90
lit_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
lit_c_tan
8.25
7.25
6.25
5.25
4.25
3.25
2.25
1.25

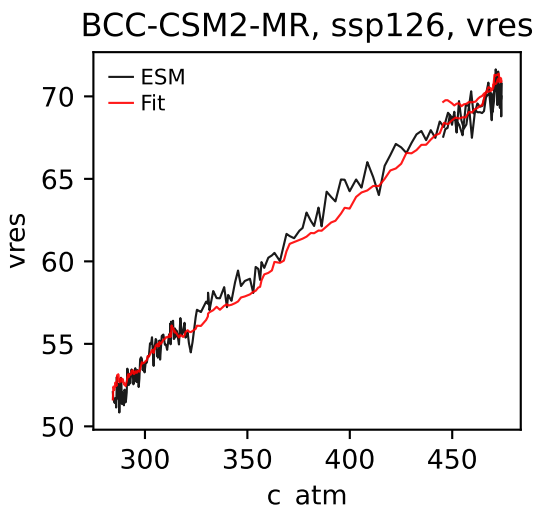

BCC-CSM2-MR, ssp126, Litter, ln(MSE/SIGMA)
0624, 0.0000, 0.0000, 0.0000, 0.0672, 0.0782, 0.9541, 0.8643, 0.
1e−13+1.38004286
BCC-CSM2-MR
lit_slow
lit_c_tan2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
3.400
3.102
2.800
2.500
2.200
1.901
1.601
1.301
1.001
0.699

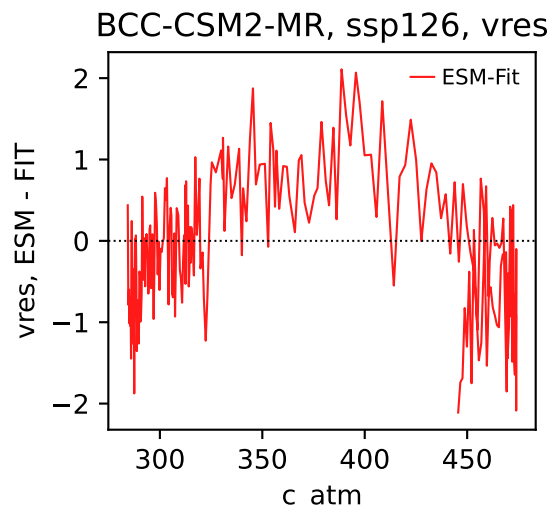

BCC-CSM2-MR, ssp126, vres
ESM
Fit
vres
Year

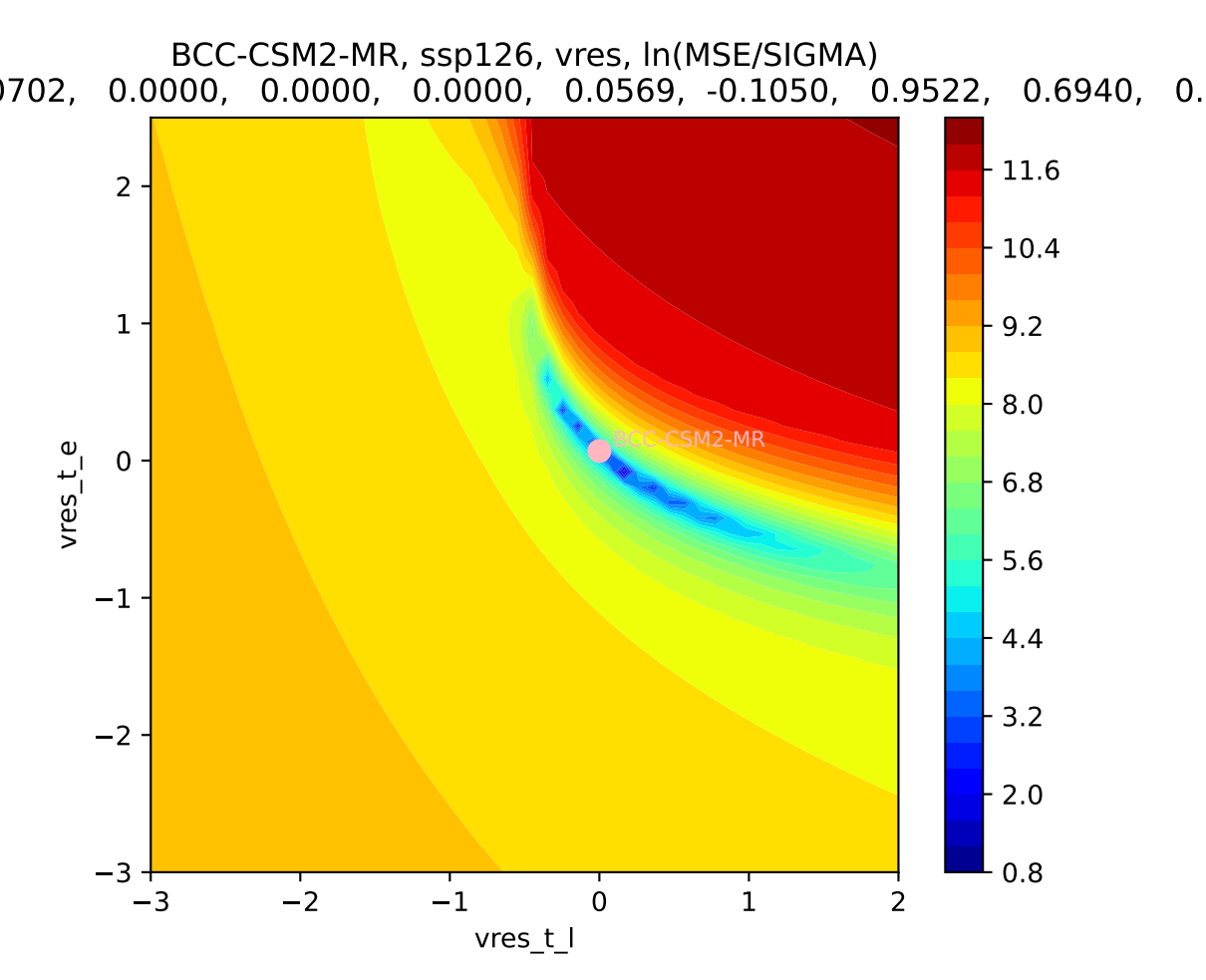

BCC-CSM2-MR, ssp126, vres
ESM-Fit
vres, ESM - FIT
Year

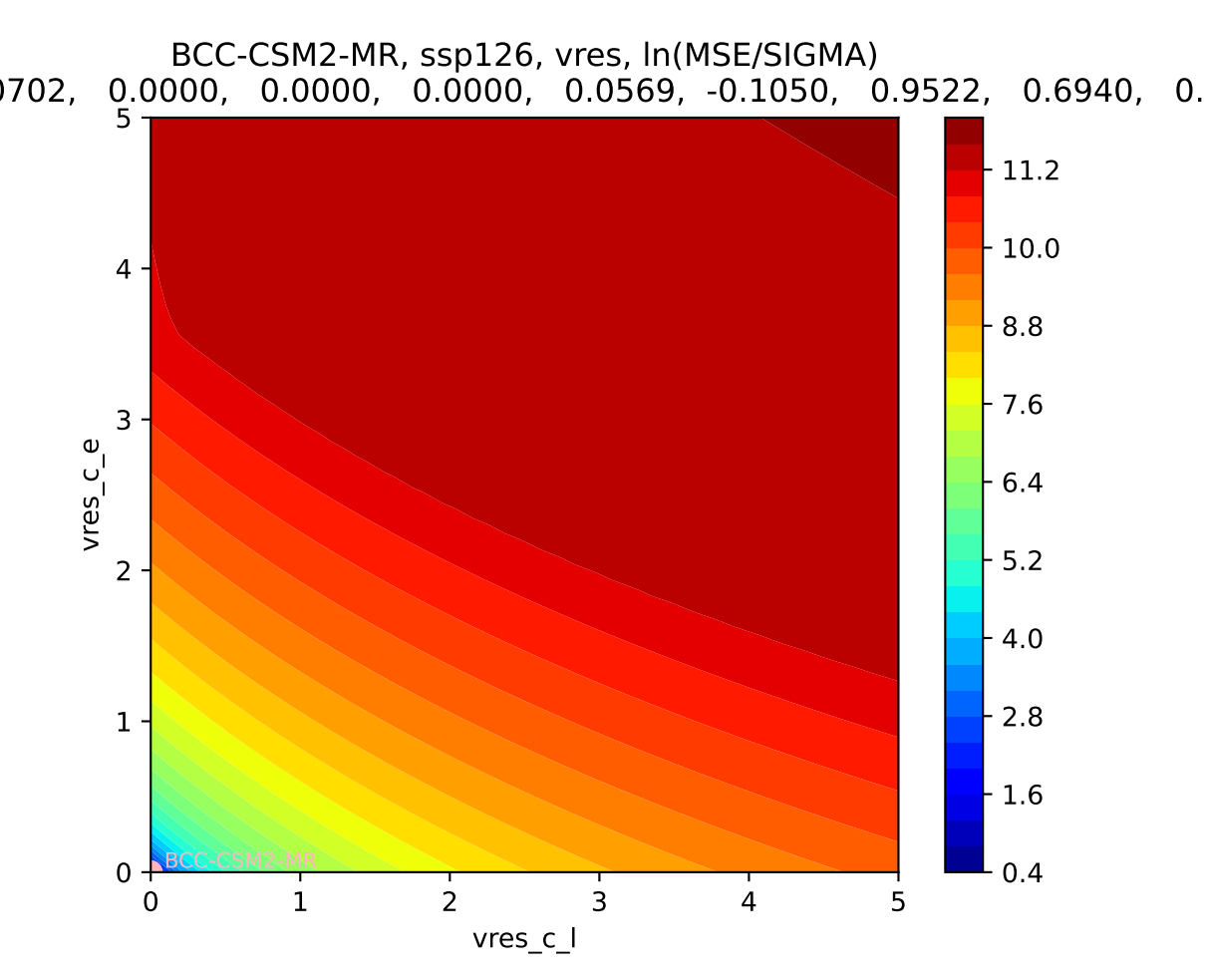

BCC-CSM2-MR, ssp126, vres
ESM
Fit
vres
ΔT

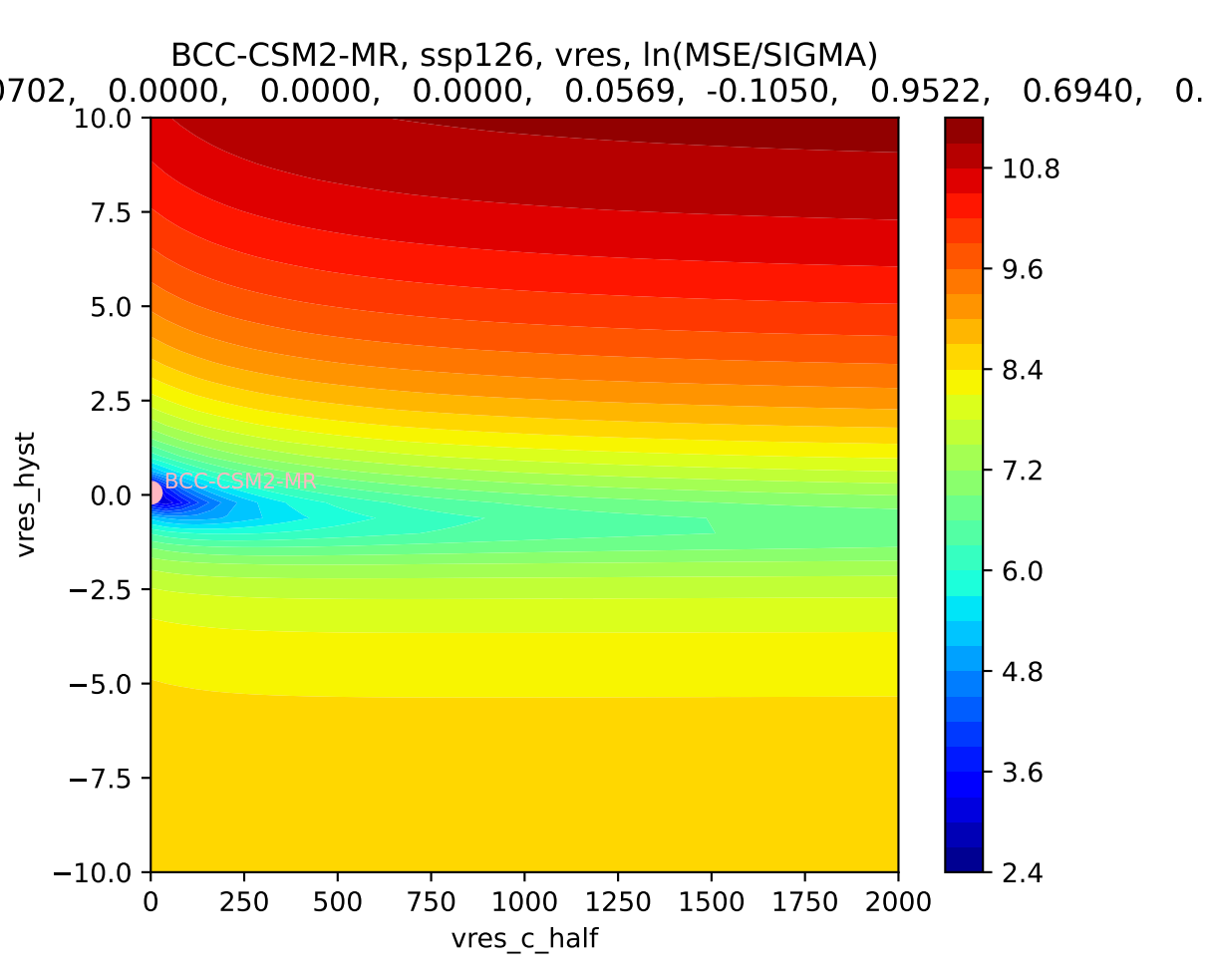

BCC-CSM2-MR, ssp126, vres
ESM-Fit
vres, ESM - FIT
ΔT

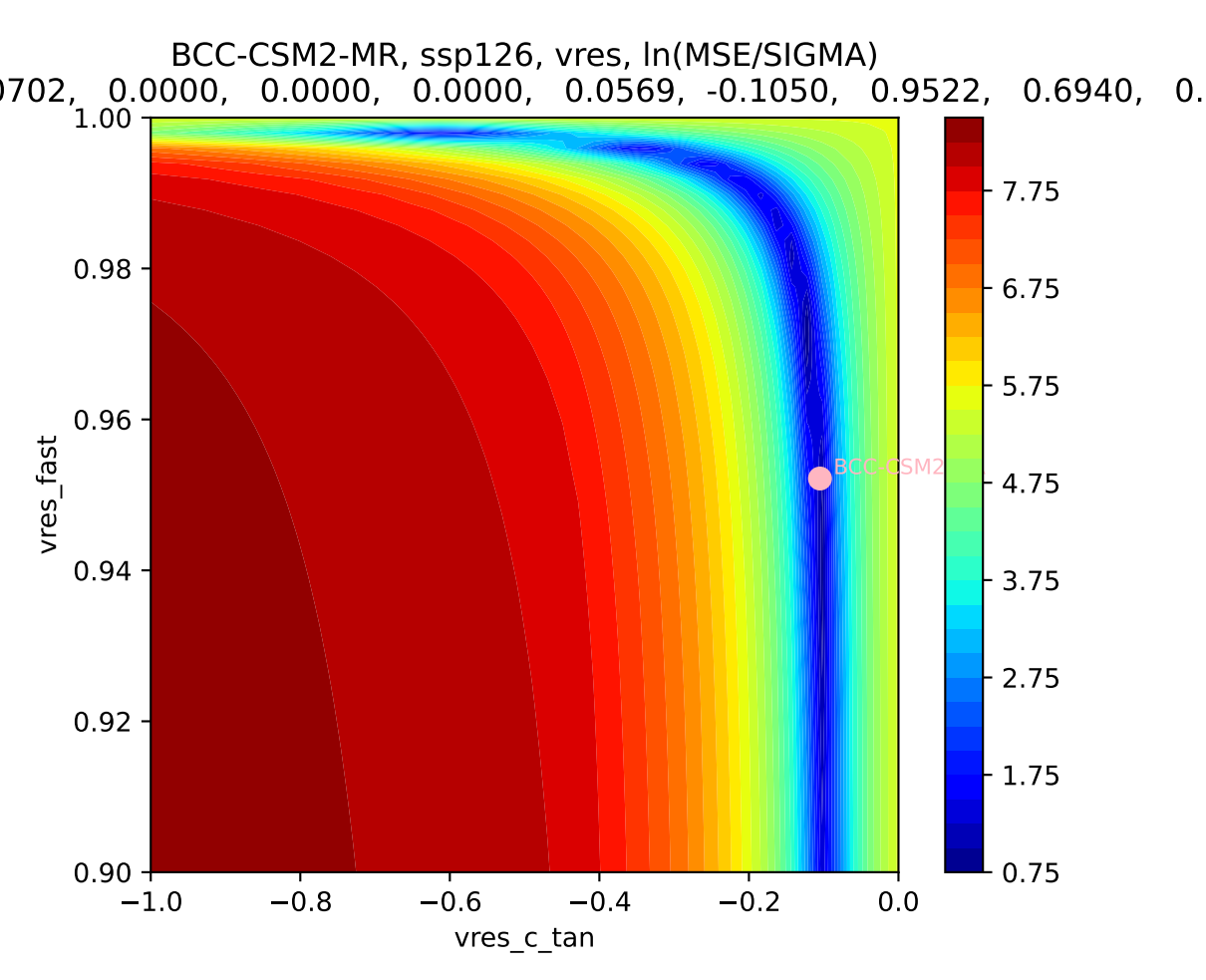

BCC-CSM2-MR, ssp126, vres
ESM
Fit
vres
c_atm

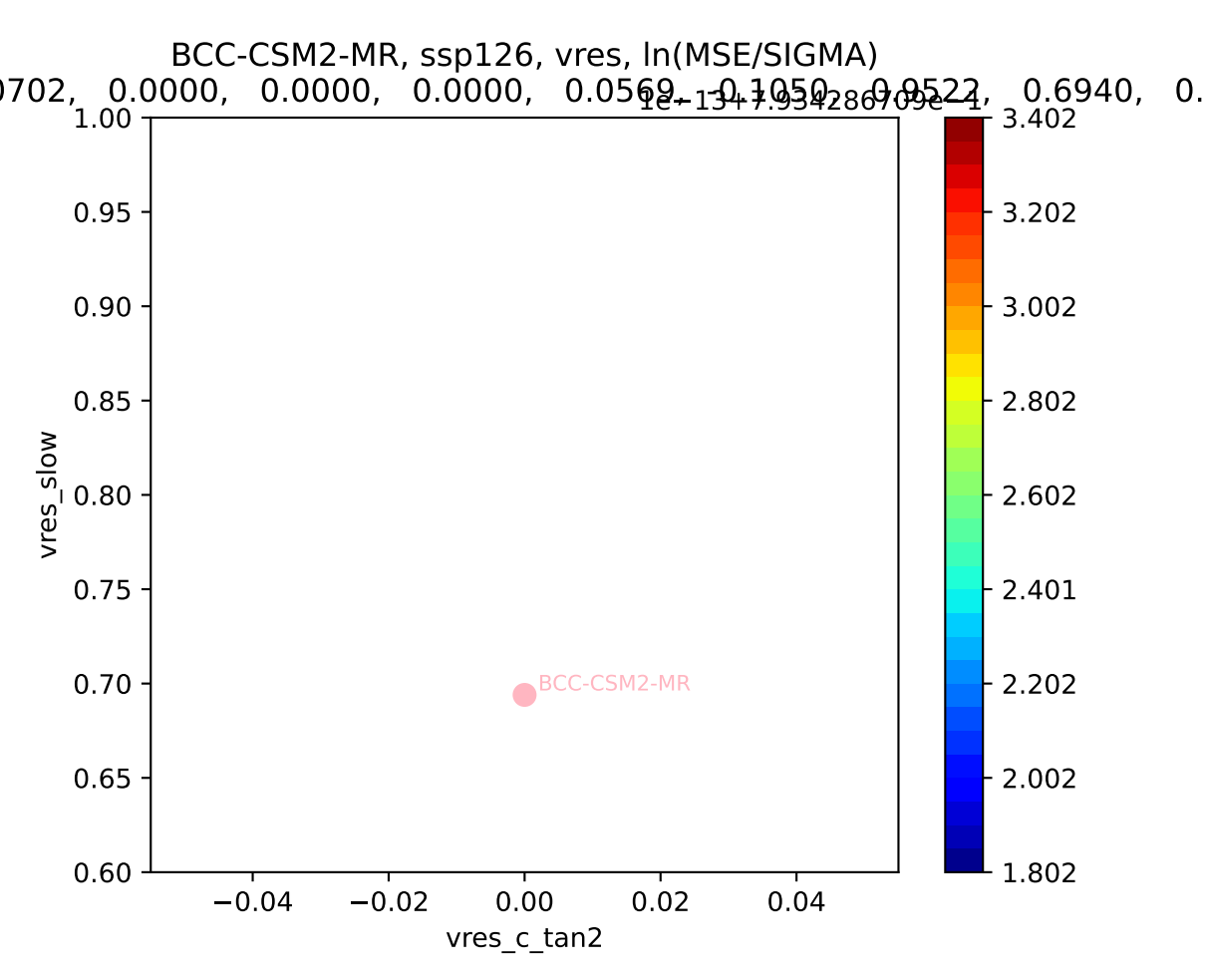

BCC-CSM2-MR, ssp126, vres
ESM-Fit
vres, ESM - FIT
c_atm

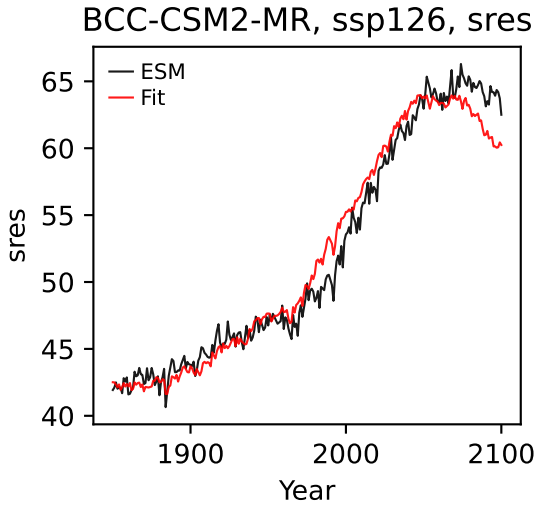

BCC-CSM2-MR, ssp126, vres, ln(MSE/SIGMA)
0702, 0.0000, 0.0000, 0.0000, 0.0569, -0.1050, 0.9522, 0.6940, 0.
BCC-CSM2-MR
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
11.6
10.4
9.2
8.0
6.8
5.6
4.4
3.2
2.0
0.8

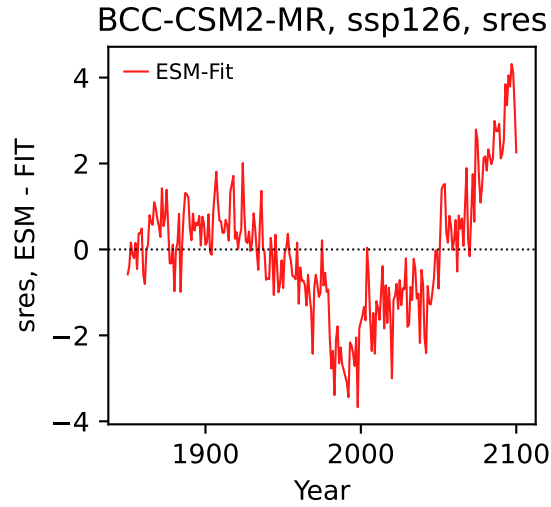

BCC-CSM2-MR, ssp126, vres, ln(MSE/SIGMA)
0702, 0.0000, 0.0000, 0.0000, 0.0569, -0.1050, 0.9522, 0.6940, 0.
vres_c_e
vres_c_l
0
1
2
3
4
5
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4
BCC-CSM2-MR

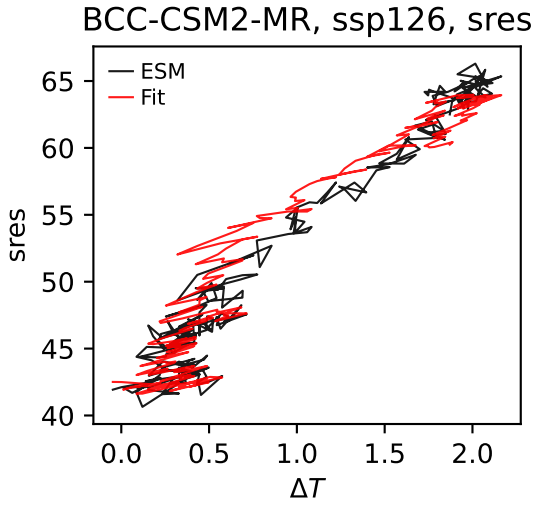

BCC-CSM2-MR, ssp126, vres, ln(MSE/SIGMA)
0702, 0.0000, 0.0000, 0.0000, 0.0569, -0.1050, 0.9522, 0.6940, 0.
BCC-CSM2-MR
vres_hyst
vres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4

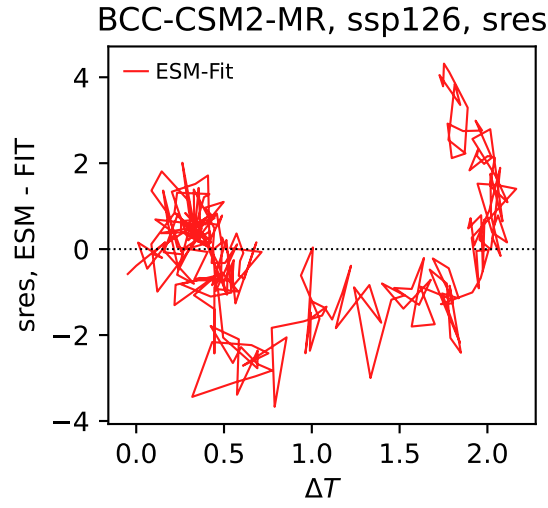

BCC-CSM2-MR, ssp126, vres, ln(MSE/SIGMA)
0702, 0.0000, 0.0000, 0.0000, 0.0569, -0.1050, 0.9522, 0.6940, 0.
1.00
0.98
0.96
0.94
0.92
0.90
vres_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
vres_c_tan
BCC-CSM2
7.75
6.75
5.75
4.75
3.75
2.75
1.75
0.75

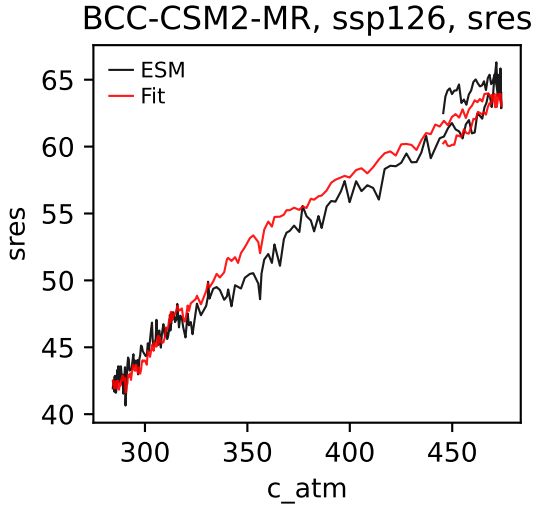

BCC-CSM2-MR, ssp126, vres, ln(MSE/SIGMA)
0702, 0.0000, 0.0000, 0.0000, 0.0569, -0.1050, 0.0522, 0.6940, 0.
1e+13+7.934286709e+1
vres_slow
vres_c_tan2
BCC-CSM2-MR
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
3.402
3.202
3.002
2.802
2.602
2.401
2.202
2.002
1.802

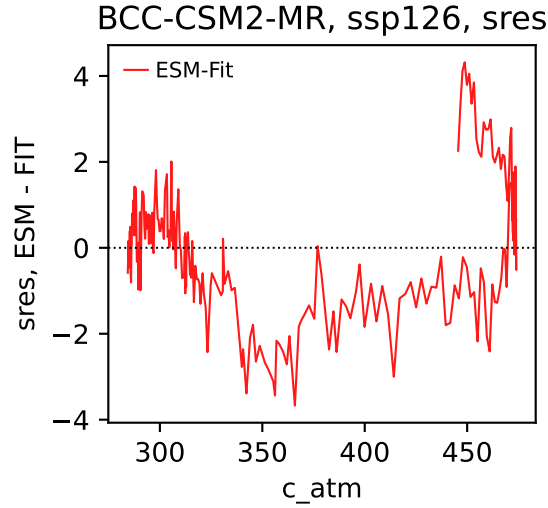

BCC-CSM2-MR, ssp126, sres
ESM
Fit
sres
Year

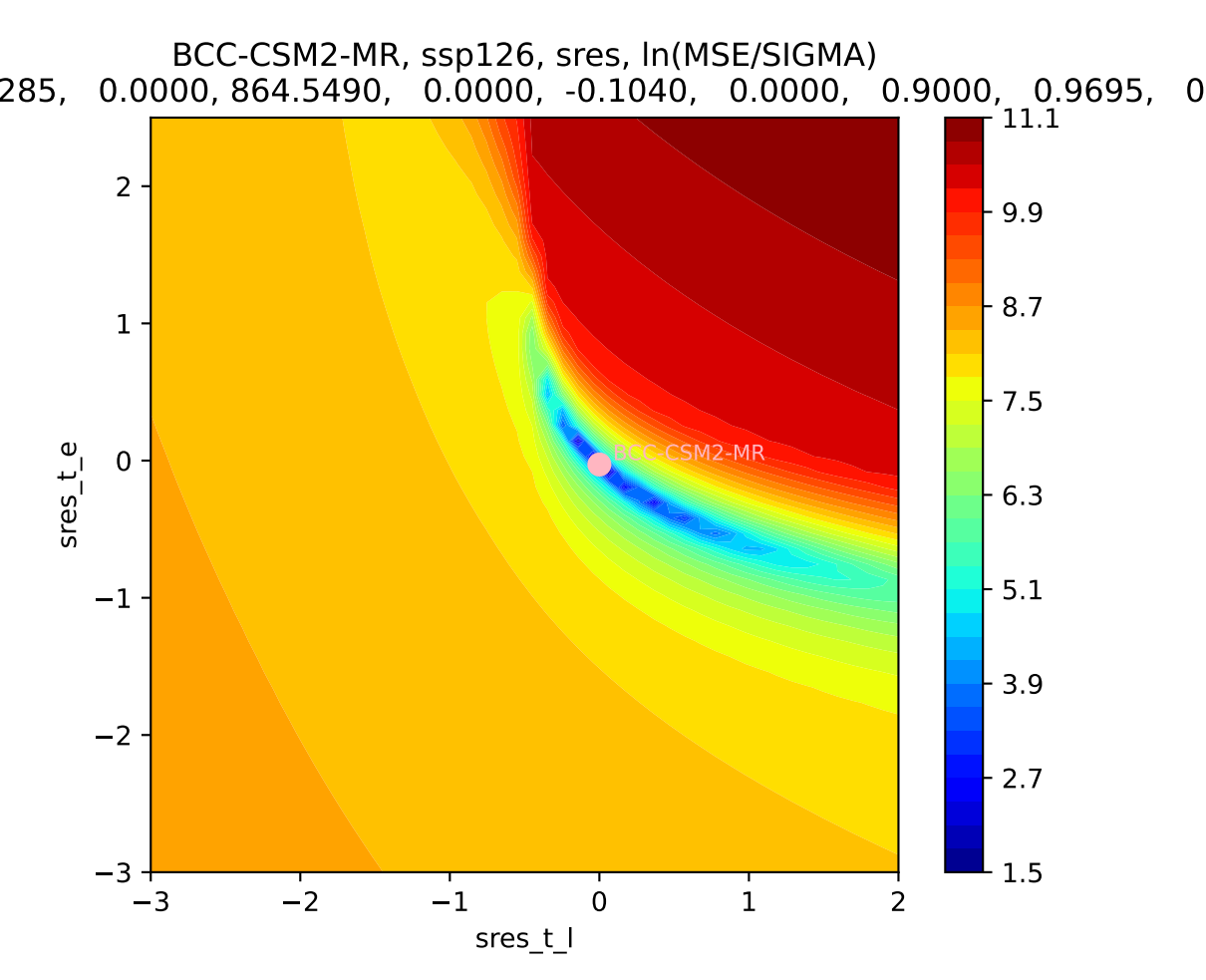

BCC-CSM2-MR, ssp126, sres
ESM-Fit
sres, ESM - FIT
Year

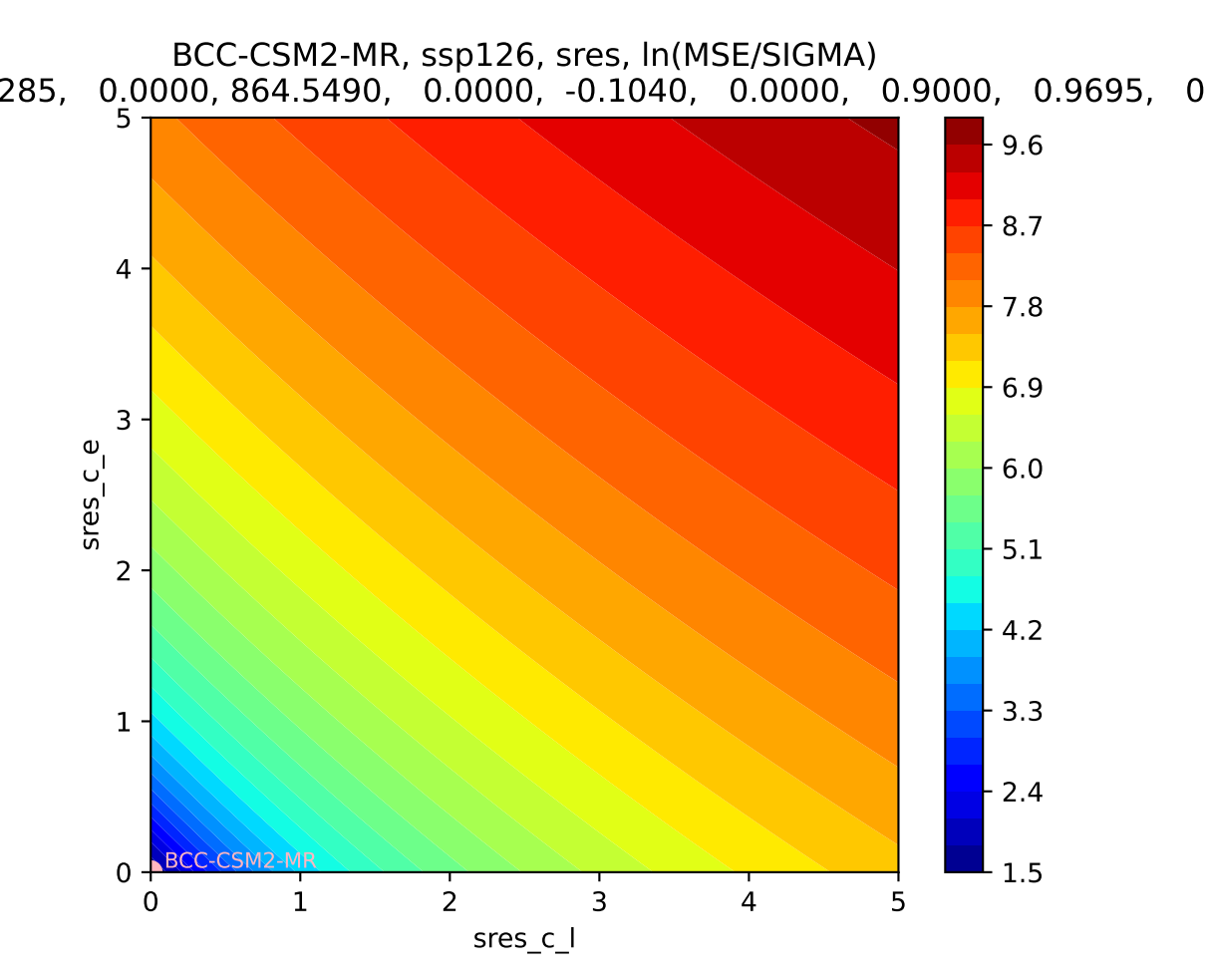

BCC-CSM2-MR, ssp126, sres
ESM
Fit
sres
ΔT

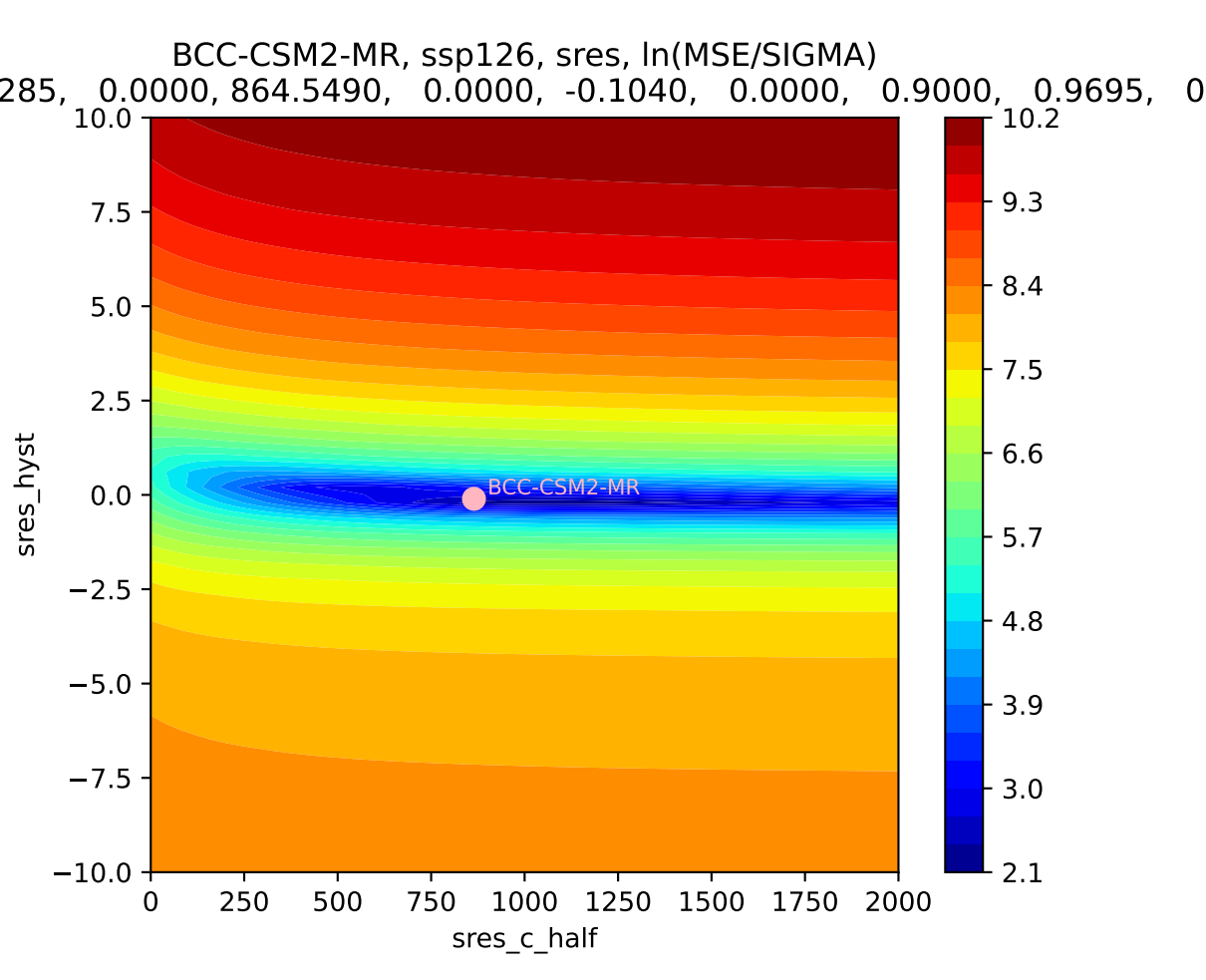

BCC-CSM2-MR, ssp126, sres
ESM-Fit
sres, ESM - FIT
ΔT

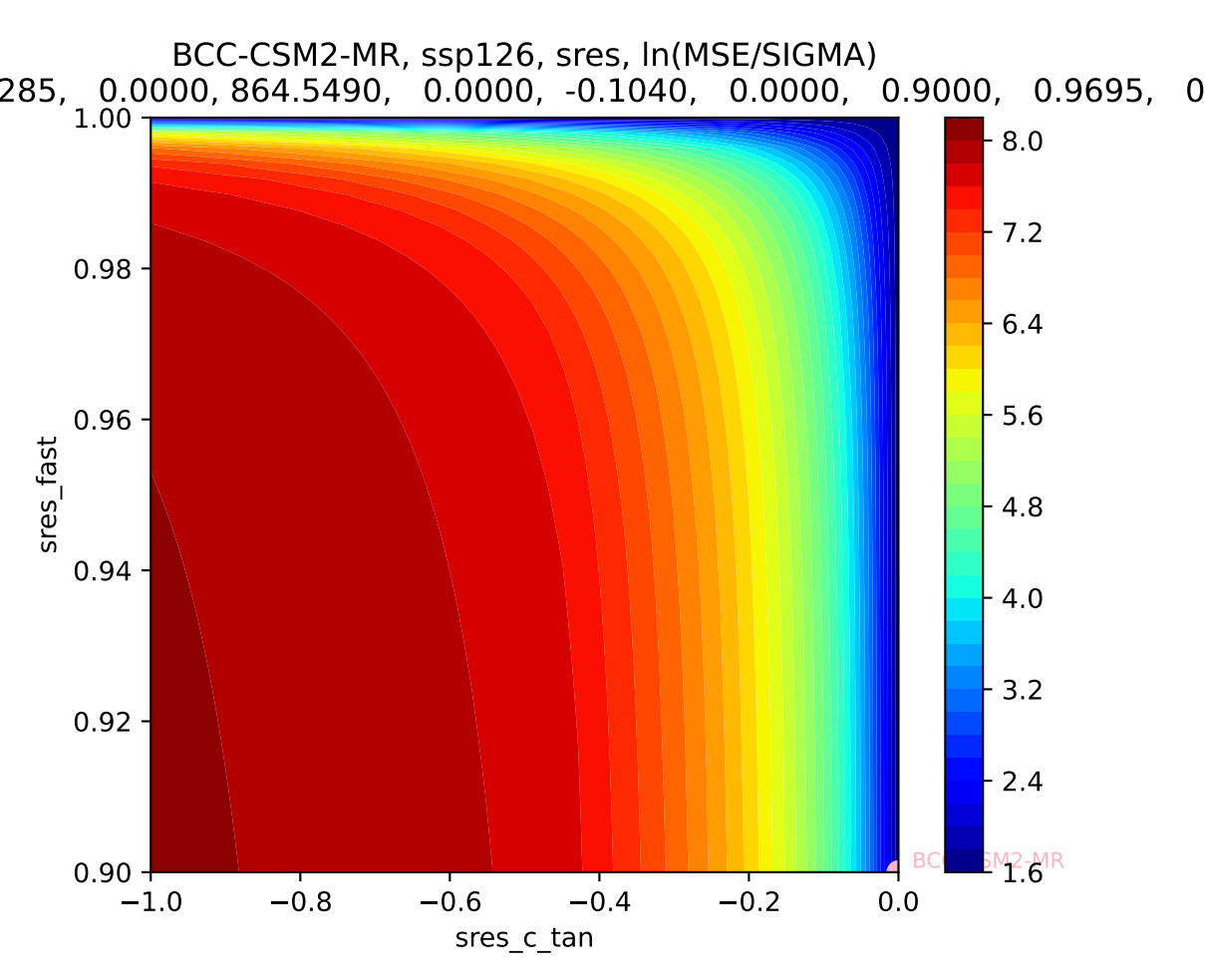

BCC-CSM2-MR, ssp126, sres
ESM
Fit
sres
c_atm

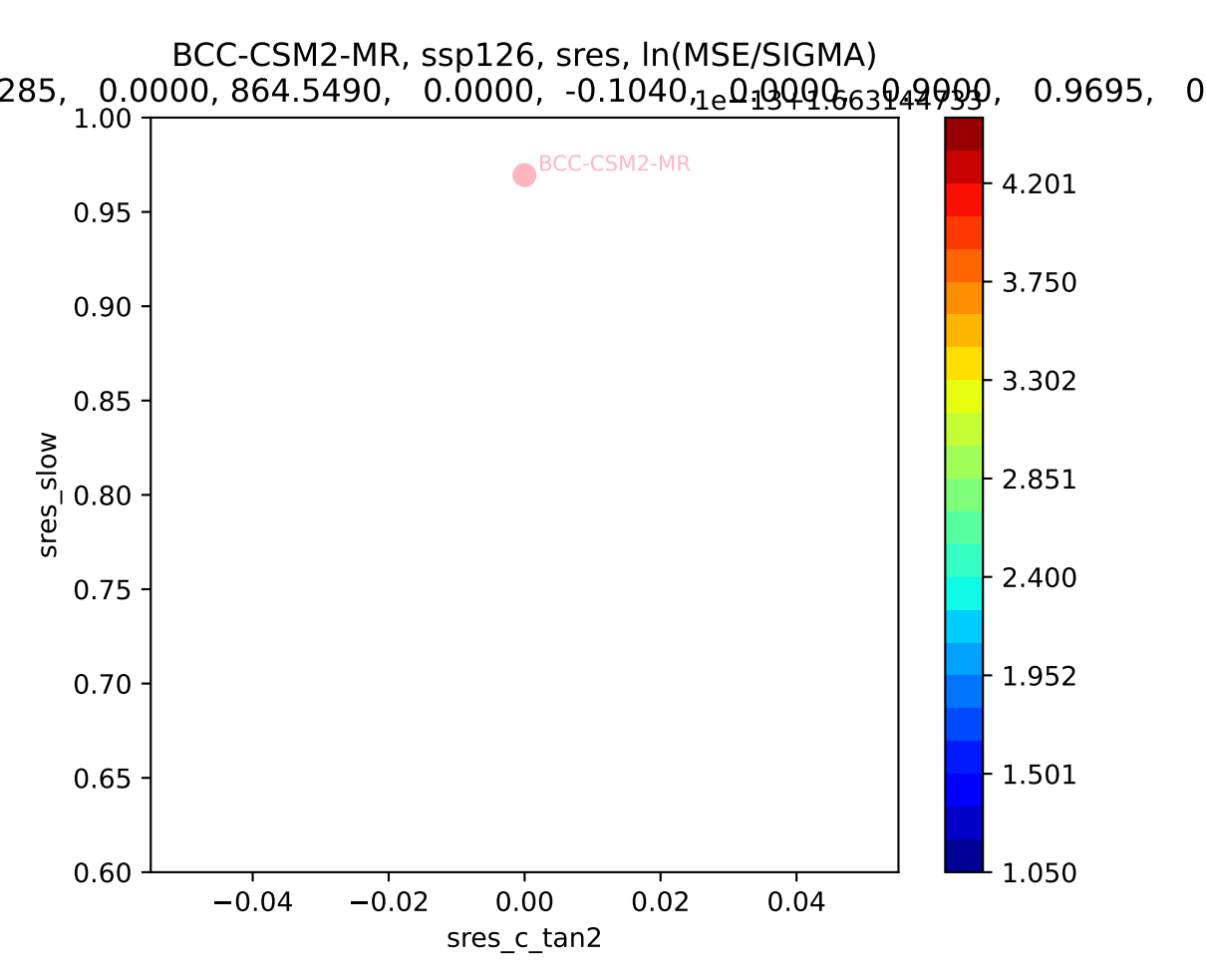

BCC-CSM2-MR, ssp126, sres
ESM-Fit
sres, ESM - FIT
c_atm

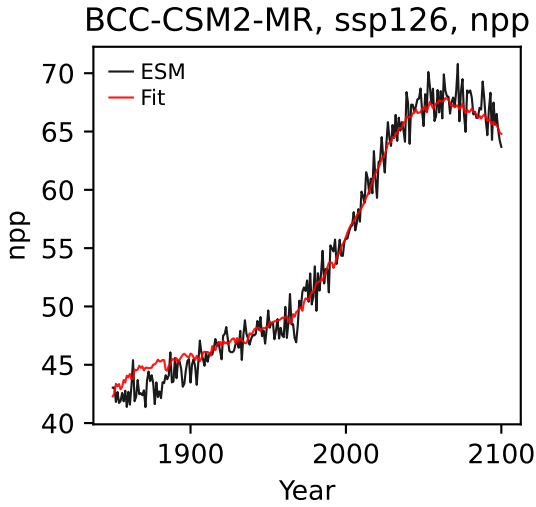

BCC-CSM2-MR, ssp126, sres, ln(MSE/SIGMA)
285, 0.0000, 864.5490, 0.0000, -0.1040, 0.0000, 0.9000, 0.9695, 0
BCC-CSM2-MR
sres_t_e
sres_t_l
−3
−2
−1
0
1
2
11.1
9.9
8.7
7.5
6.3
5.1
3.9
2.7
1.5

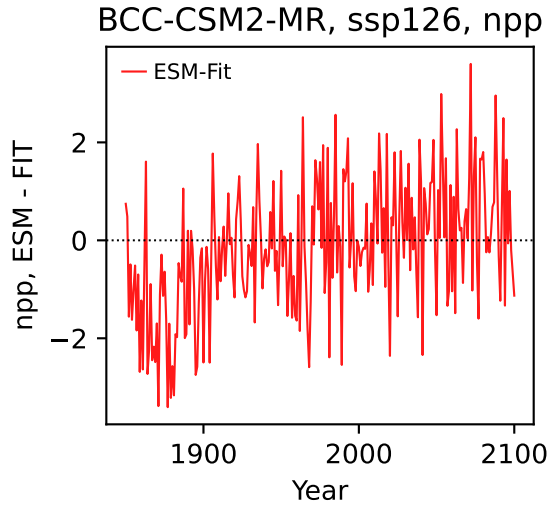

BCC-CSM2-MR, ssp126, sres, ln(MSE/SIGMA)
285, 0.0000, 864.5490, 0.0000, -0.1040, 0.0000, 0.9000, 0.9695, 0
sres_c_e
sres_c_l
BCC-CSM2-MR
0
1
2
3
4
5
9.6
8.7
7.8
6.9
6.0
5.1
4.2
3.3
2.4
1.5

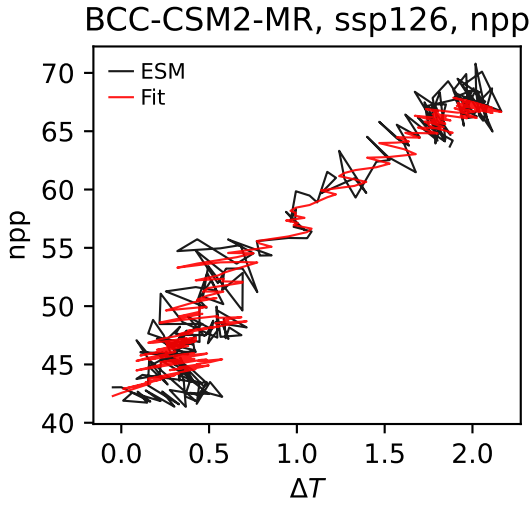

BCC-CSM2-MR, ssp126, sres, ln(MSE/SIGMA)
285, 0.0000, 864.5490, 0.0000, -0.1040, 0.0000, 0.9000, 0.9695, 0
BCC-CSM2-MR
sres_hyst
sres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.2
9.3
8.4
7.5
6.6
5.7
4.8
3.9
3.0
2.1

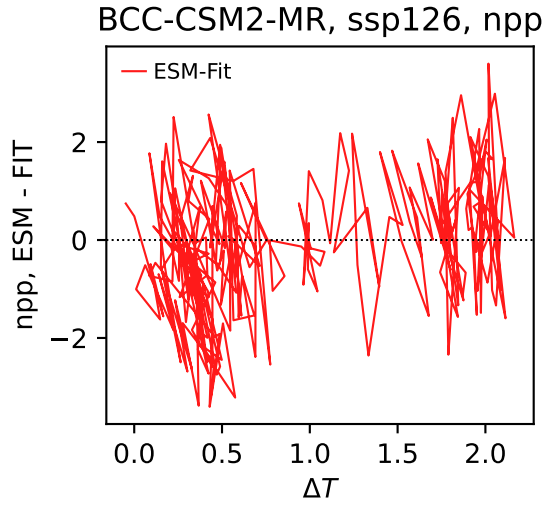

BCC-CSM2-MR, ssp126, sres, ln(MSE/SIGMA)
285, 0.0000, 864.5490, 0.0000, -0.1040, 0.0000, 0.9000, 0.9695, 0
1.00
0.98
0.96
0.94
0.92
0.90
sres_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
sres_c_tan
8.0
7.2
6.4
5.6
4.8
4.0
3.2
2.4
1.6

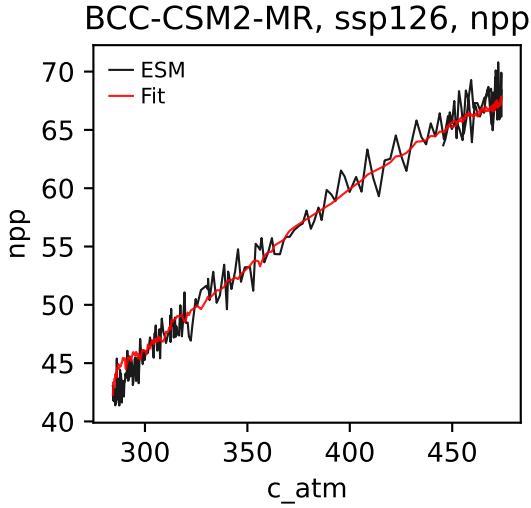

BCC-CSM2-MR, ssp126, sres, ln(MSE/SIGMA)
285, 0.0000, 864.5490, 0.0000, -0.1040, 0.0000, 0.9000, 0.9695, 0
1e-13+1.663144733
BCC-CSM2-MR
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
−0.04
−0.02
0.00
0.02
0.04
sres_c_tan2
4.201
3.750
3.302
2.851
2.400
1.952
1.501
1.050

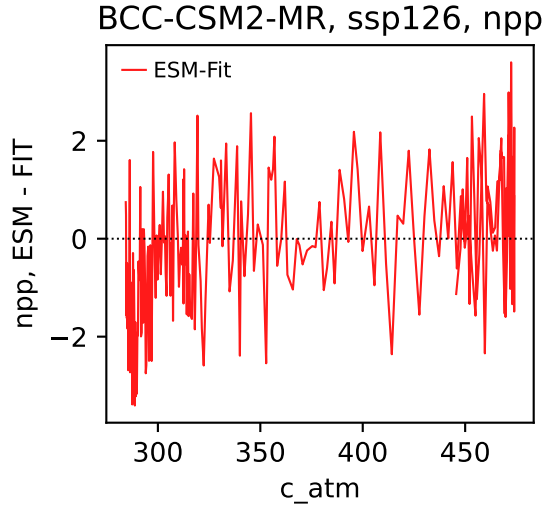

BCC-CSM2-MR, ssp126, npp
ESM
Fit
npp
Year

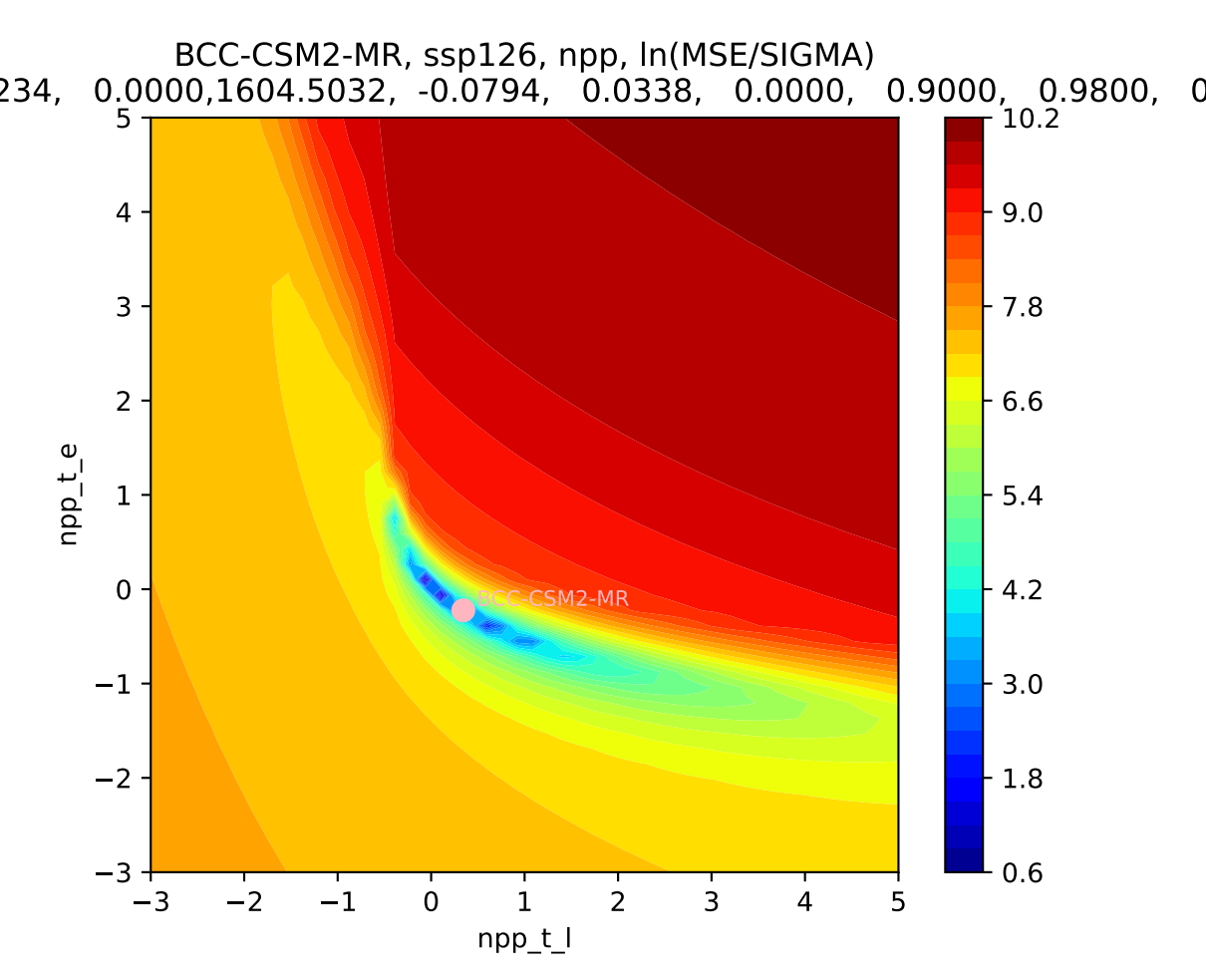

BCC-CSM2-MR, ssp126, npp
ESM-Fit
npp, ESM - FIT
Year

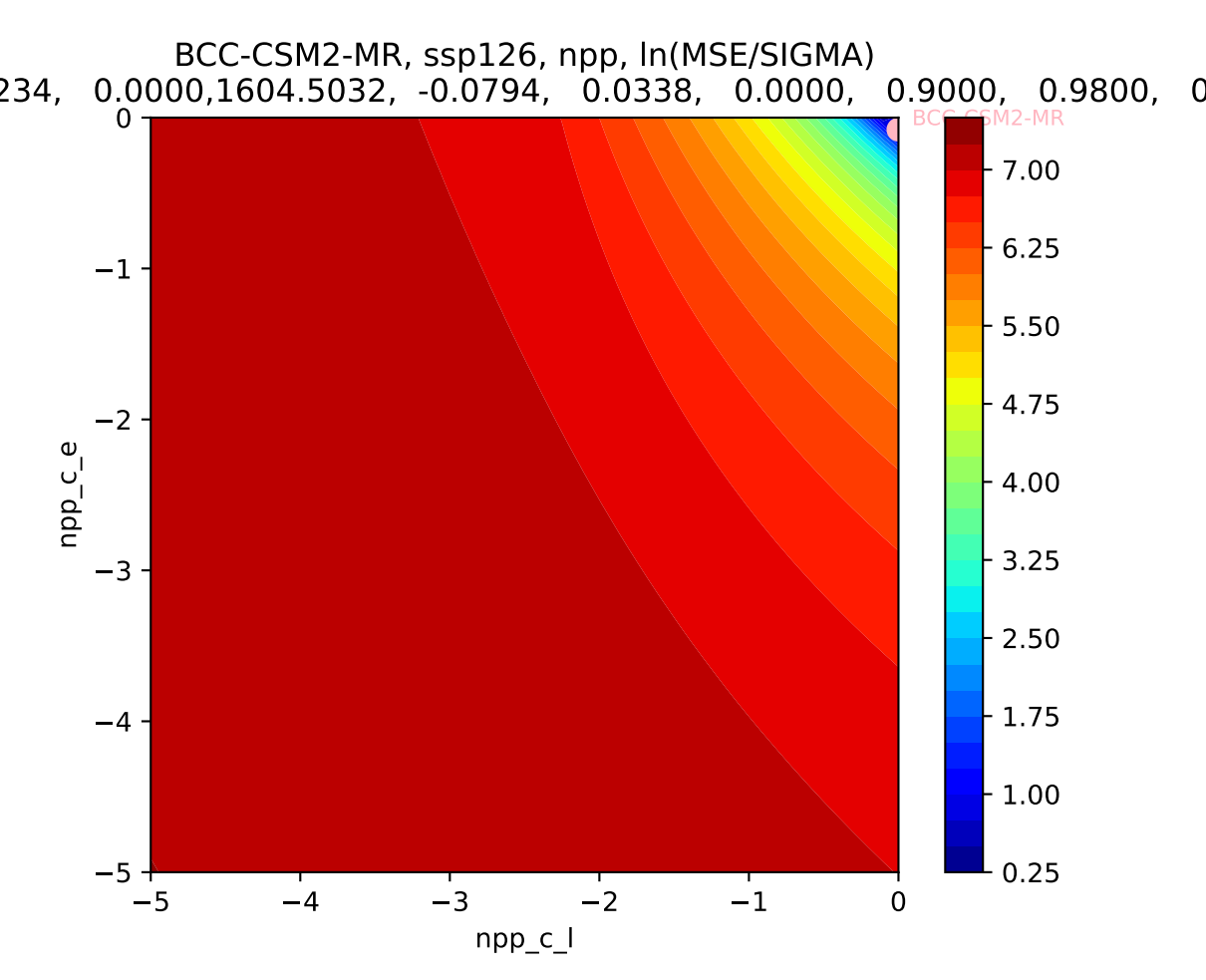

BCC-CSM2-MR, ssp126, npp
ESM
Fit
npp
ΔT

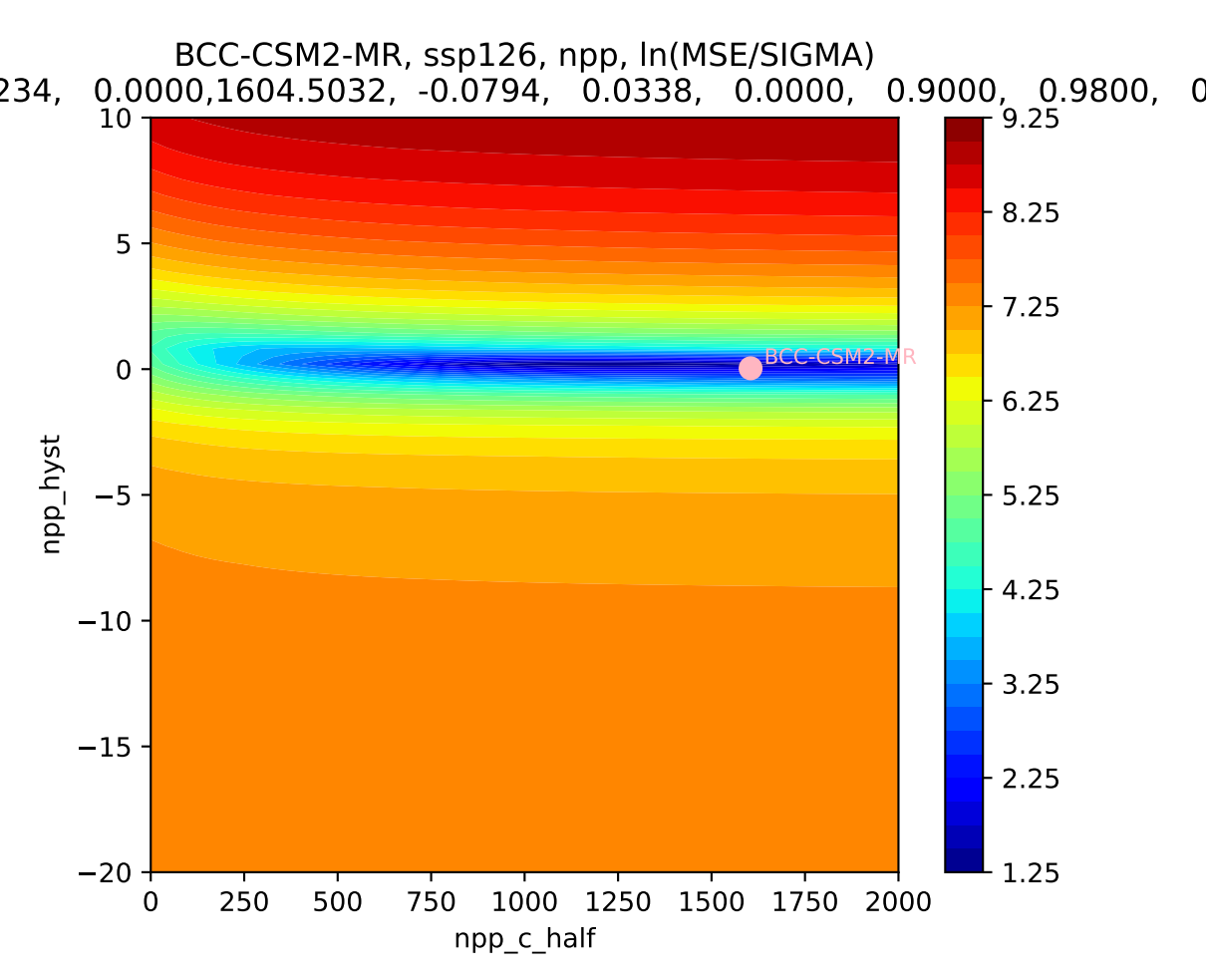

BCC-CSM2-MR, ssp126, npp
ESM-Fit
npp, ESM - FIT
ΔT

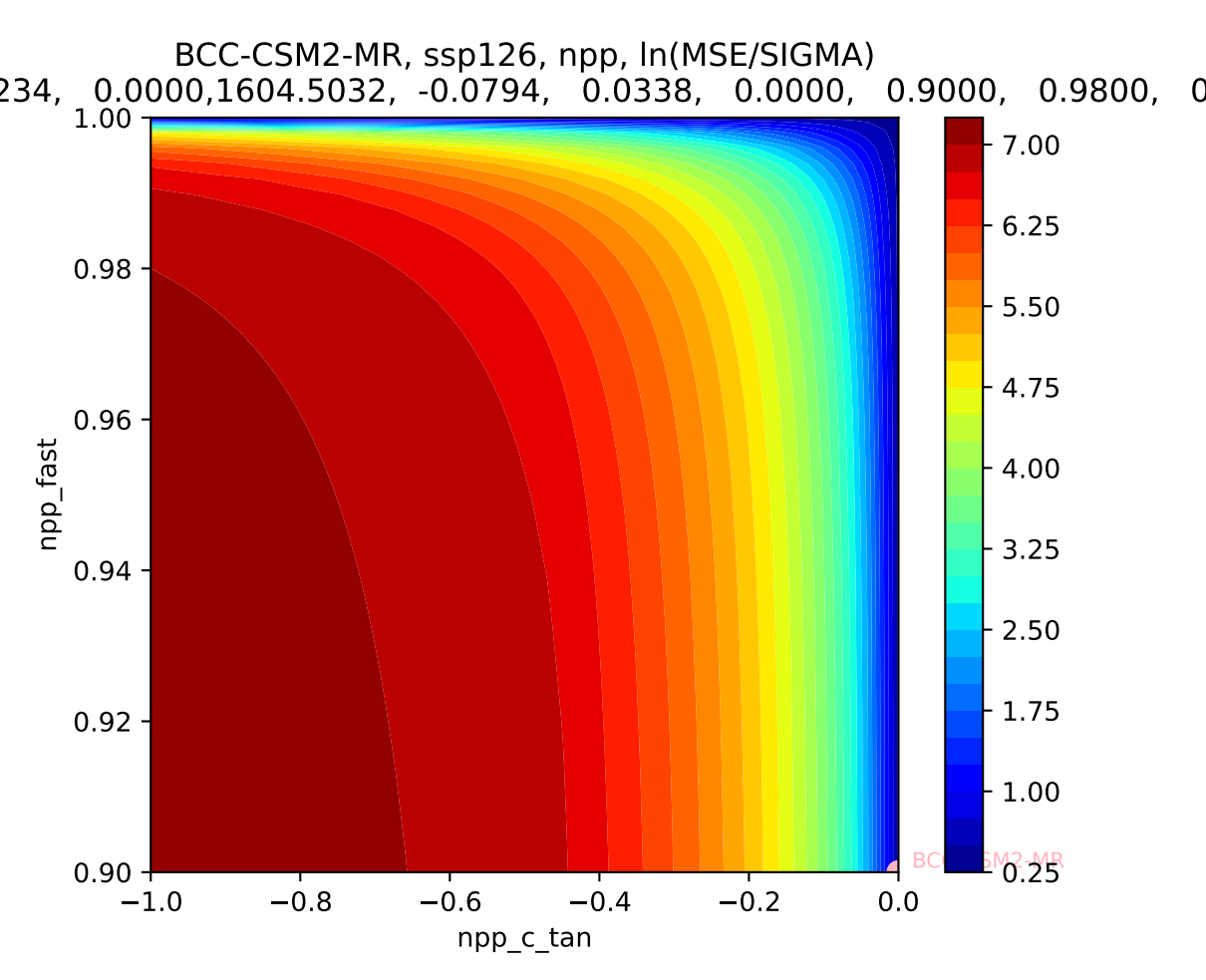

BCC-CSM2-MR, ssp126, npp
ESM
Fit
npp
c_atm

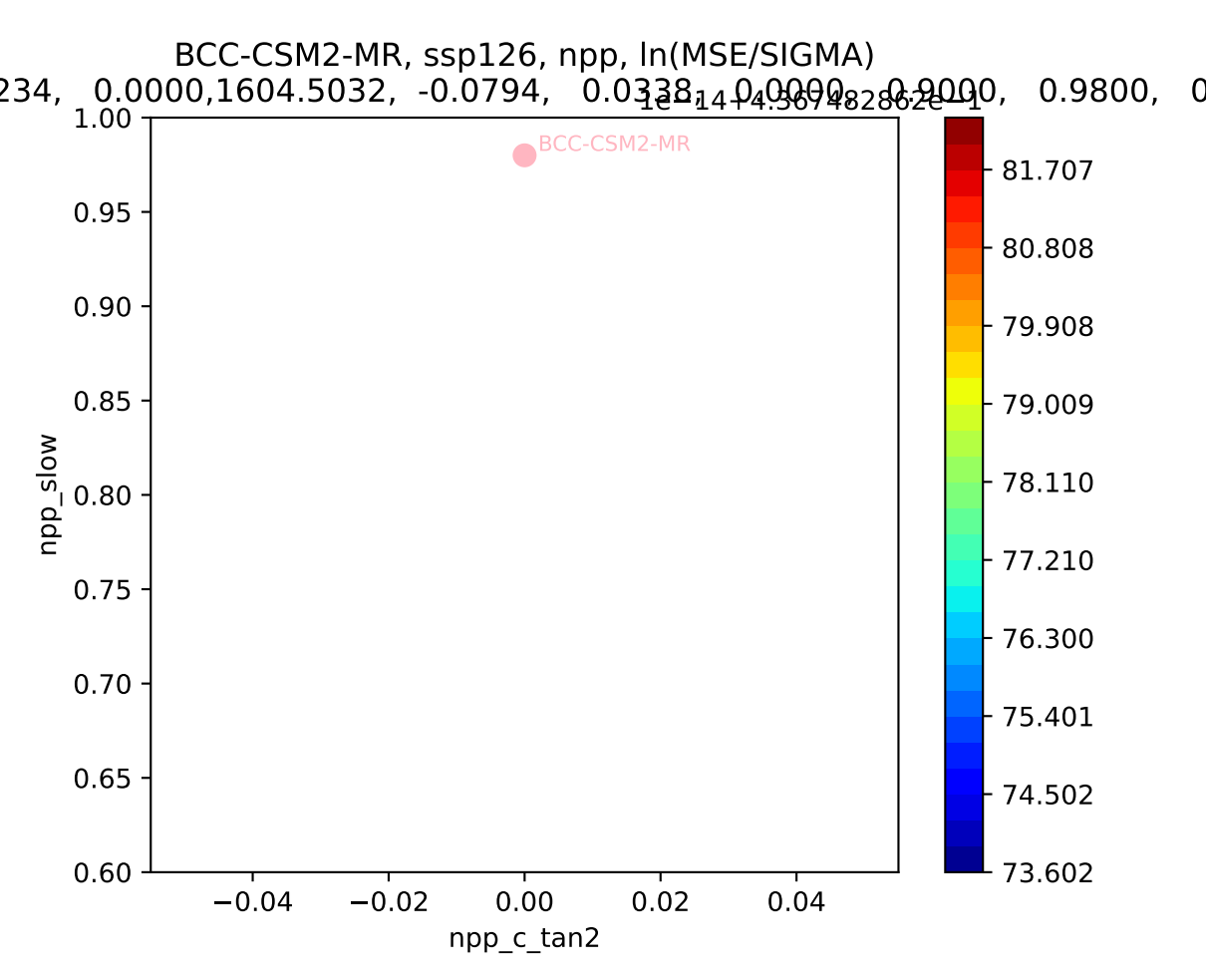

BCC-CSM2-MR, ssp126, npp
ESM-Fit
npp, ESM - FIT
c_atm

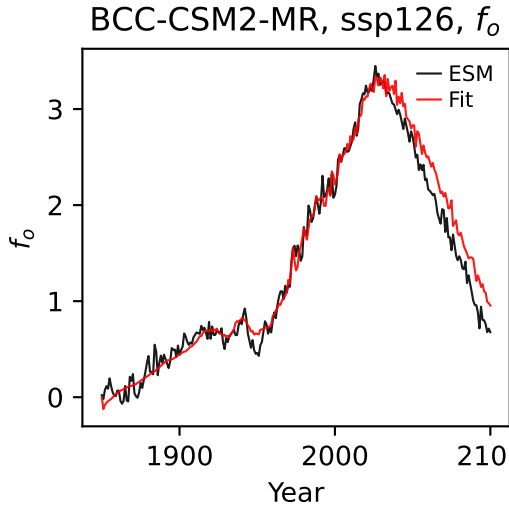

BCC-CSM2-MR, ssp126, npp, ln(MSE/SIGMA)
234, 0.0000,1604.5032, -0.0794, 0.0338, 0.0000, 0.9000, 0.9800, 0
BCC-CSM2-MR
npp_t_e
npp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
10.2
9.0
7.8
6.6
5.4
4.2
3.0
1.8
0.6

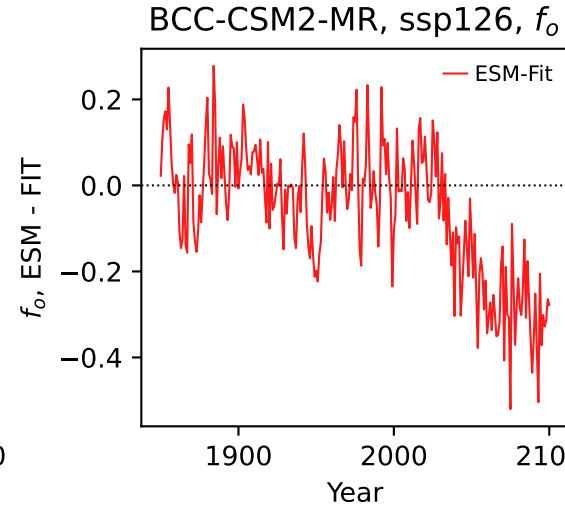

BCC-CSM2-MR, ssp126, npp, ln(MSE/SIGMA)
234, 0.0000,1604.5032, -0.0794, 0.0338, 0.0000, 0.9000, 0.9800, 0
BCC-CSM2-MR
0
−1
−2
−3
−4
−5
npp_c_e
−5
−4
−3
−2
−1
0
npp_c_l
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00
0.25

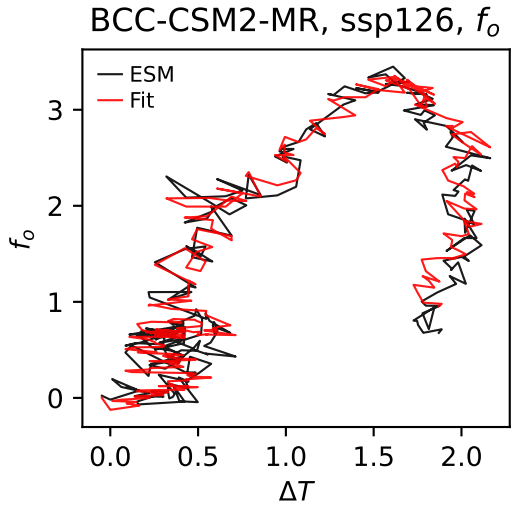

BCC-CSM2-MR, ssp126, npp, ln(MSE/SIGMA)
234, 0.0000,1604.5032, -0.0794, 0.0338, 0.0000, 0.9000, 0.9800, 0
BCC-CSM2-MR
npp_hyst
npp_c_half
10
5
0
−5
−10
−15
−20
0
250
500
750
1000
1250
1500
1750
2000
9.25
8.25
7.25
6.25
5.25
4.25
3.25
2.25
1.25

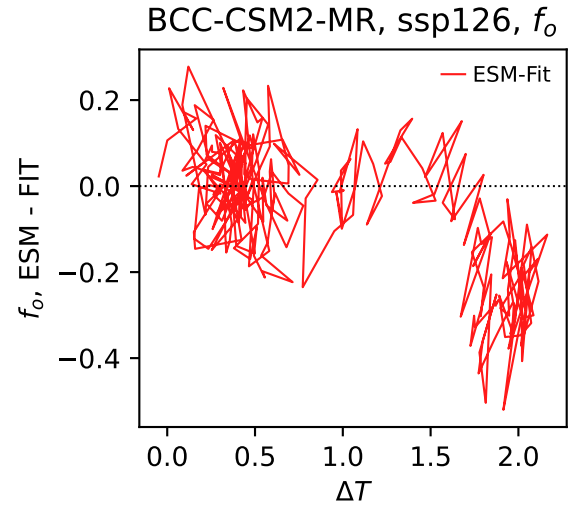

BCC-CSM2-MR, ssp126, npp, ln(MSE/SIGMA)
234, 0.0000,1604.5032, -0.0794, 0.0338, 0.0000, 0.9000, 0.9800, 0
1.00
0.98
0.96
0.94
0.92
0.90
npp_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
npp_c_tan
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00
0.25

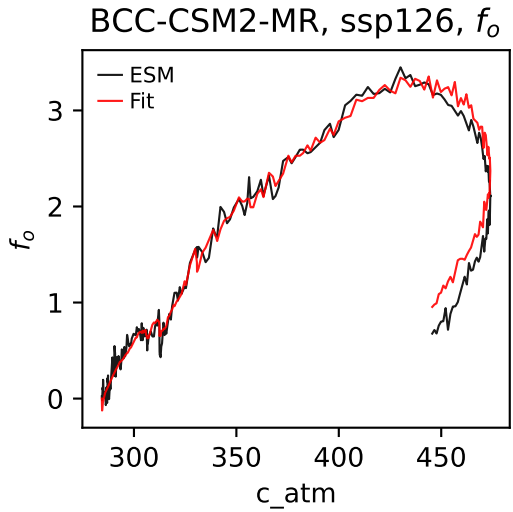

BCC-CSM2-MR, ssp126, npp, ln(MSE/SIGMA)
234, 0.0000,1604.5032, -0.0794, 0.0338, 0.0000, 0.9000, 0.9800, 0
1e−14+4.367482862e−1
BCC-CSM2-MR
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
−0.04
−0.02
0.00
0.02
0.04
npp_c_tan2
81.707
80.808
79.908
79.009
78.110
77.210
76.300
75.401
74.502
73.602

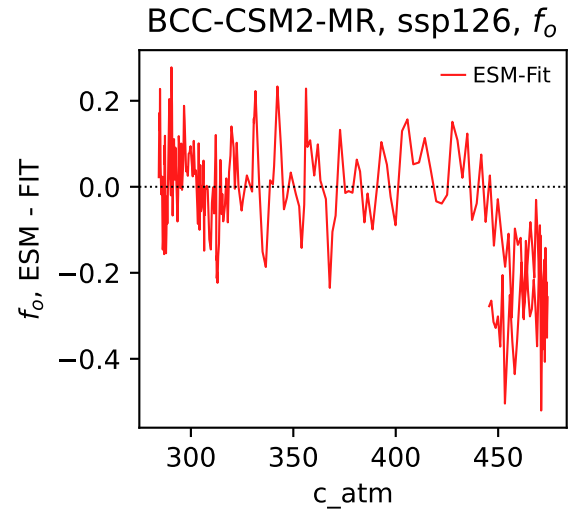

BCC-CSM2-MR, ssp126, f_o
ESM
Fit
f_o
Year

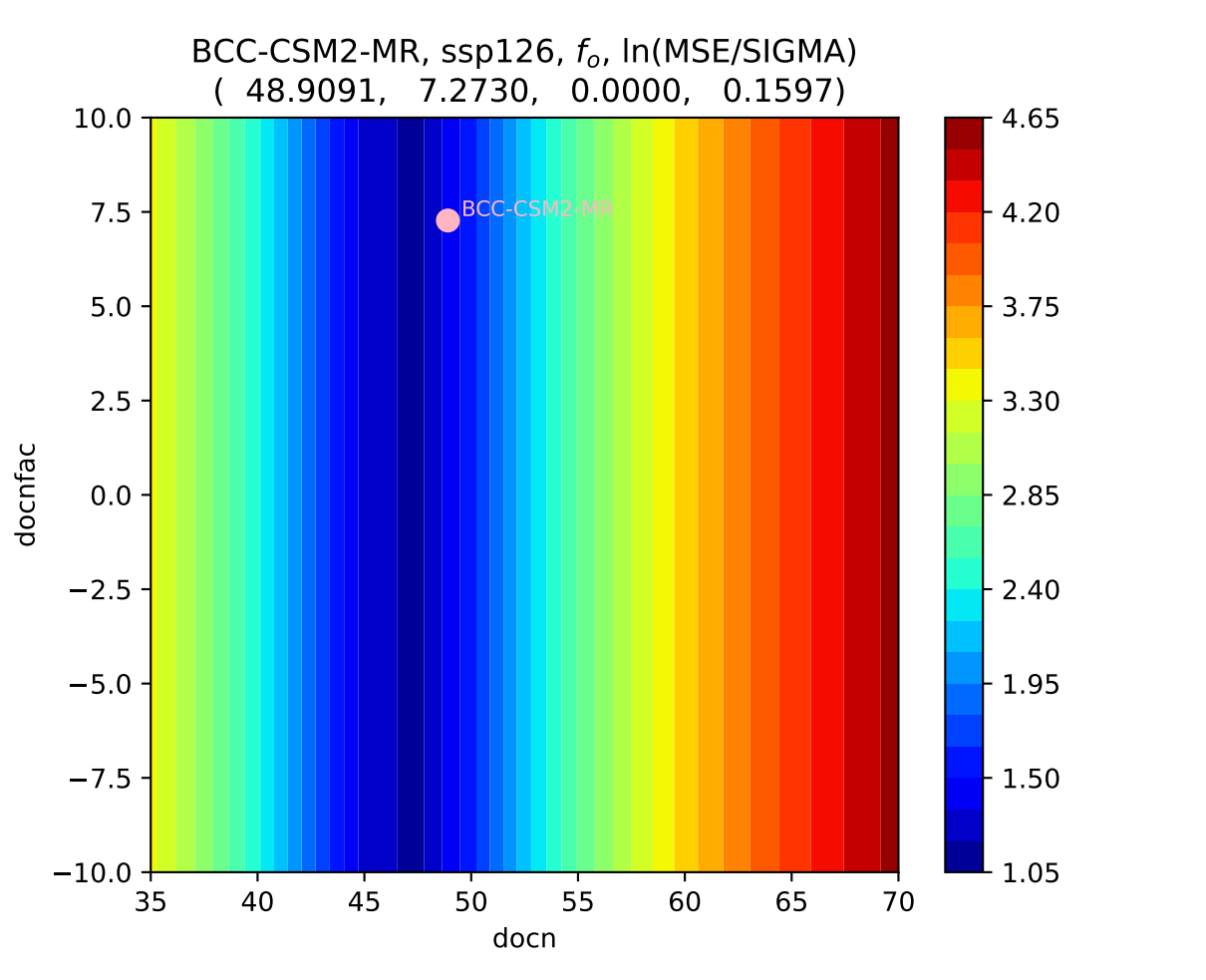

BCC-CSM2-MR, ssp126, f_o
ESM-Fit
f_o, ESM - FIT
Year

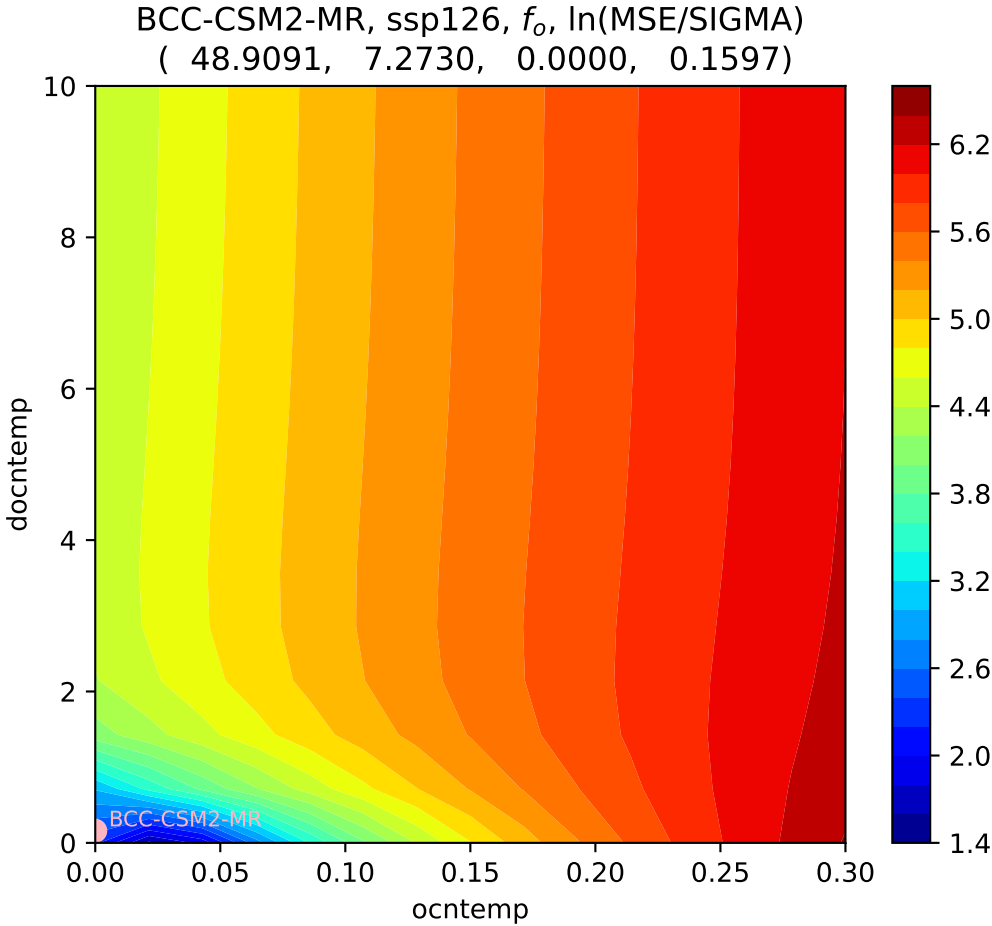

BCC-CSM2-MR, ssp126, f_o
ESM
Fit
f_o
ΔT


BCC-CSM2-MR, ssp126, f_o
ESM-Fit
f_o, ESM - FIT
ΔT


BCC-CSM2-MR, ssp126, f_o
ESM
Fit
f_o
c_atm


BCC-CSM2-MR, ssp126, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


BCC-CSM2-MR, ssp126, f_o, ln(MSE/SIGMA)
(48.9091, 7.2730, 0.0000, 0.1597)
BCC-CSM2-MR
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
4.65
4.20
3.75
3.30
2.85
2.40
1.95
1.50
1.05


BCC-CSM2-MR, ssp126, f_o, ln(MSE/SIGMA)
(48.9091, 7.2730, 0.0000, 0.1597)
BCC-CSM2-MR
docntemp
ocntemp
0
2
4
6
8
10
0.00
0.05
0.10
0.15
0.20
0.25
0.30
1.4
2.0
2.6
3.2
3.8
4.4
5.0
5.6
6.2