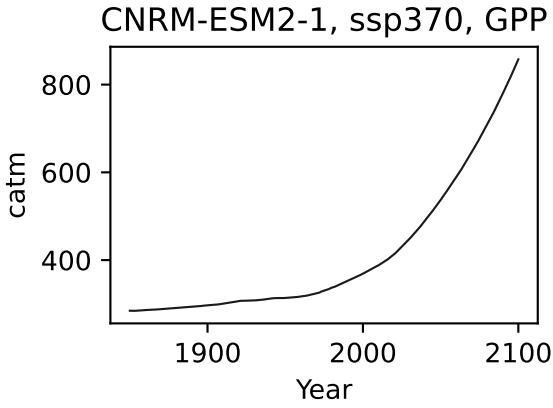
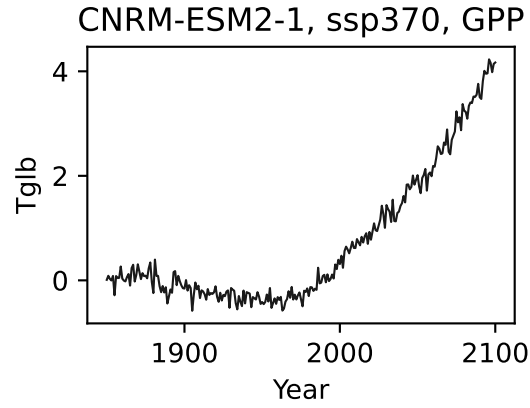
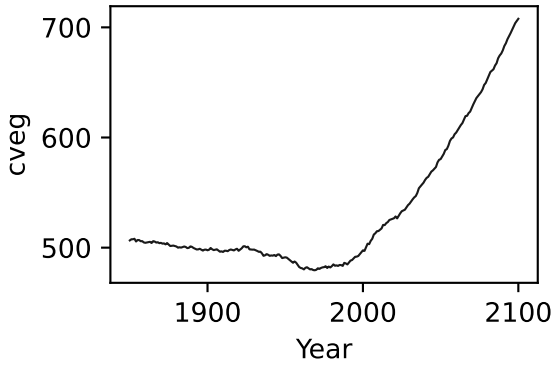
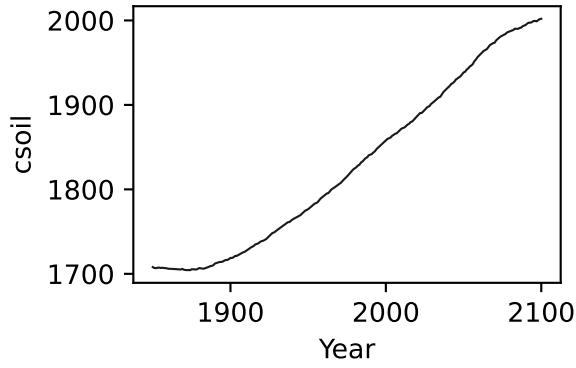
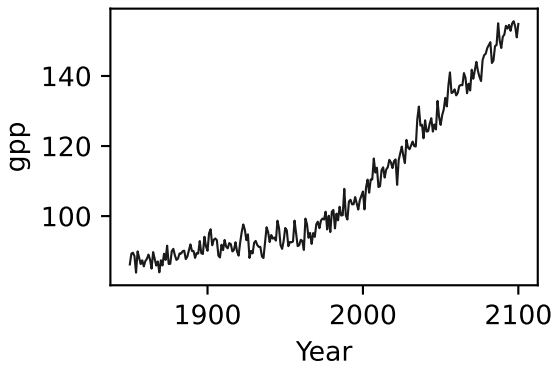
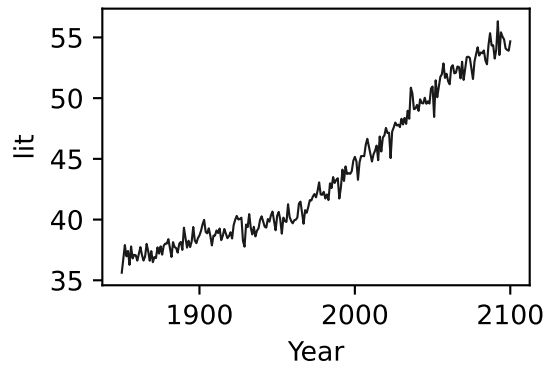

CNRM-ESM2-1, ssp370, GPP
catm
800
600
400
1900
2000
2100
Year

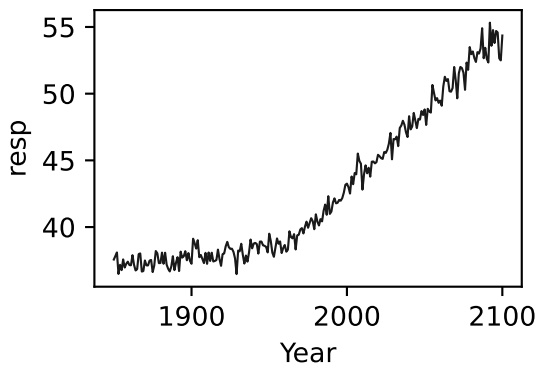

CNRM-ESM2-1, ssp370, GPP
Tglb
4
2
0
1900
2000
2100
Year

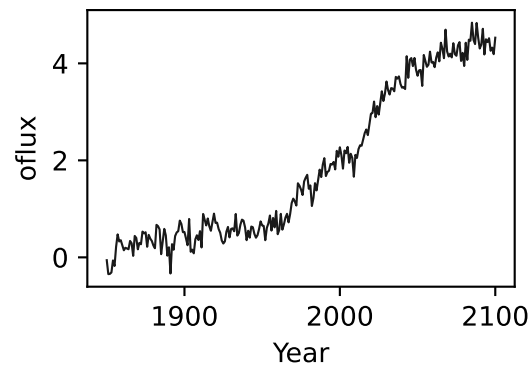

cveg
700
600
500
1900
2000
2100
Year

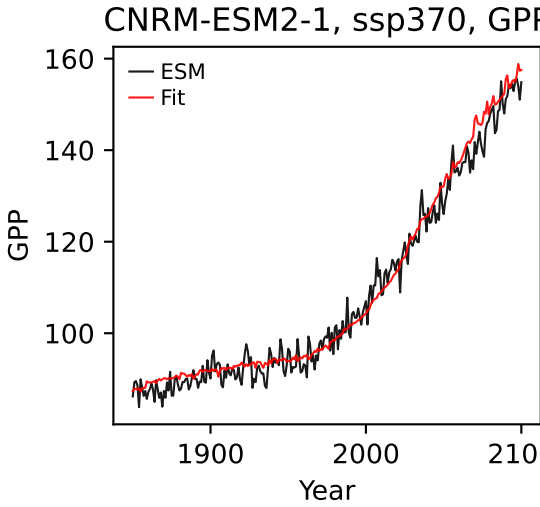

csoil
2000
1900
1800
1700
1900
2000
2100
Year

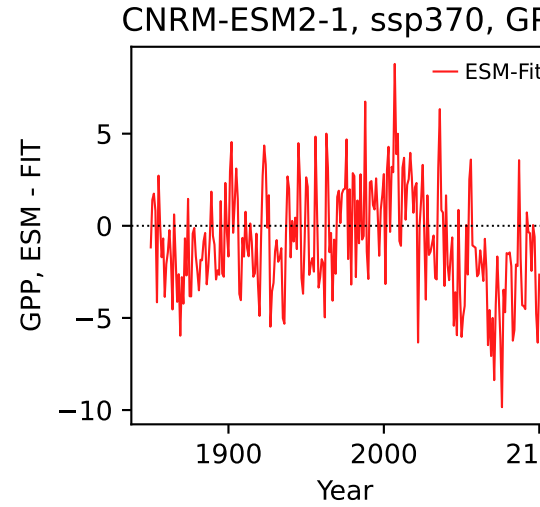

gpp
140
120
100
1900
2000
2100
Year

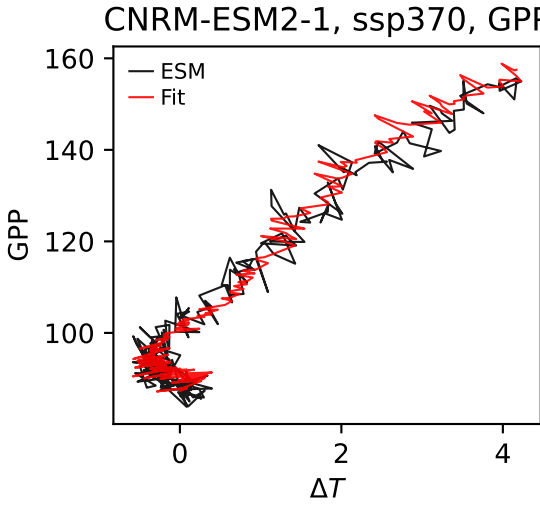

lit
55
50
45
40
35
1900
2000
2100
Year

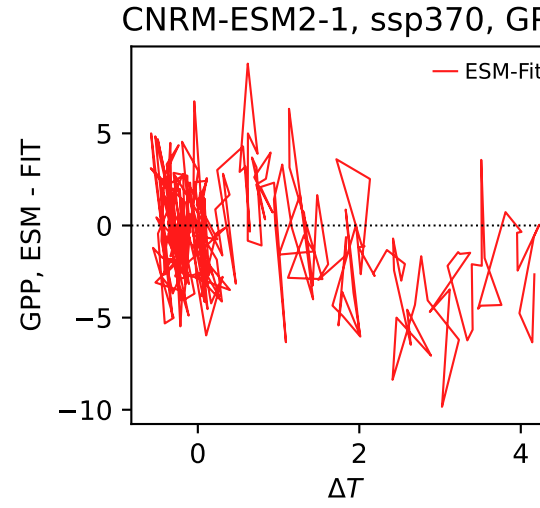

resp
55
50
45
40
1900
2000
2100
Year

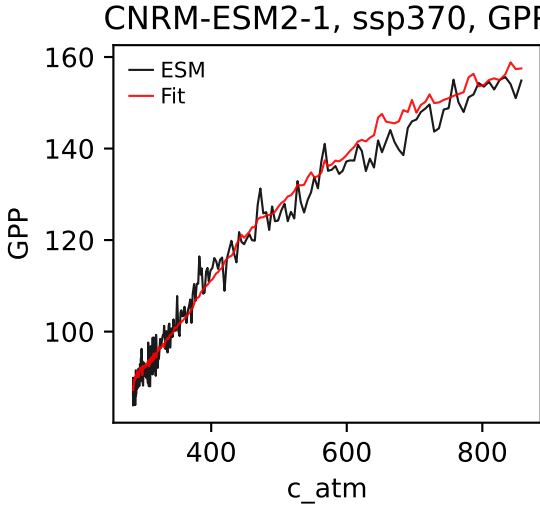

oflux
4
2
0
1900
2000
2100
Year

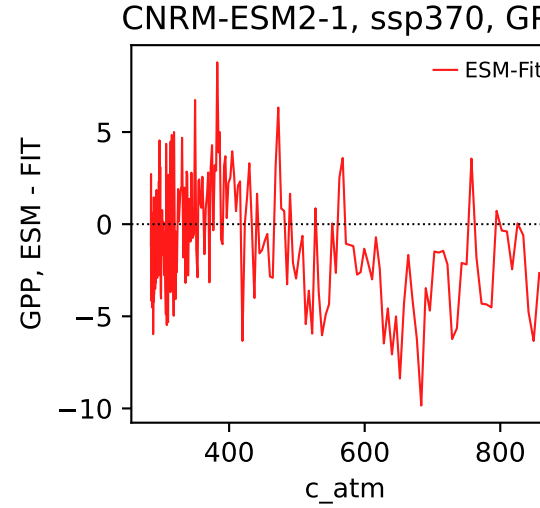

CNRM-ESM2-1, ssp370, GPP
ESM
Fit
GPP
160
140
120
100
1900
2000
2100
Year

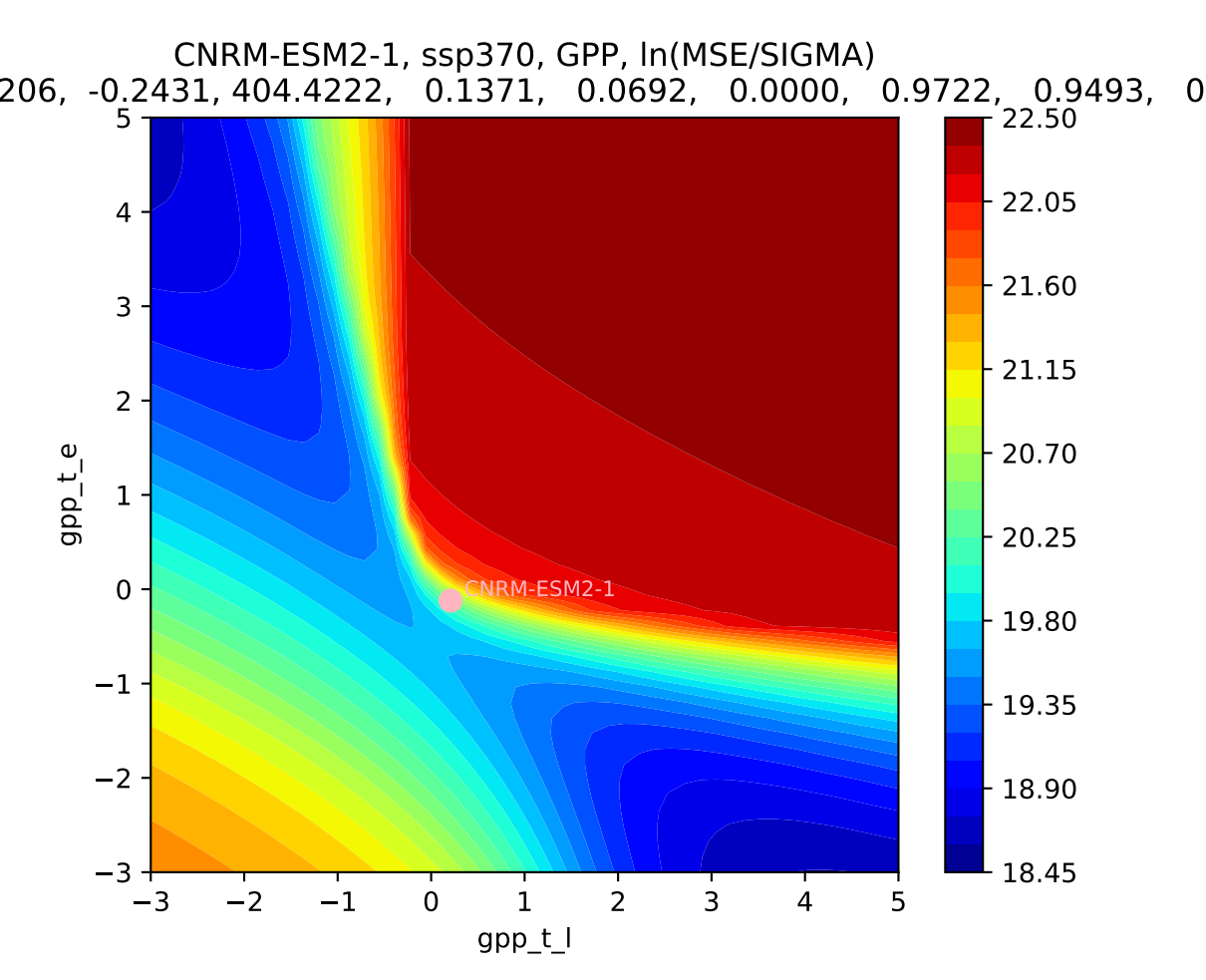

CNRM-ESM2-1, ssp370, GPP
ESM-Fit
GPP, ESM - FIT
5
0
−5
−10
1900
2000
2100
Year

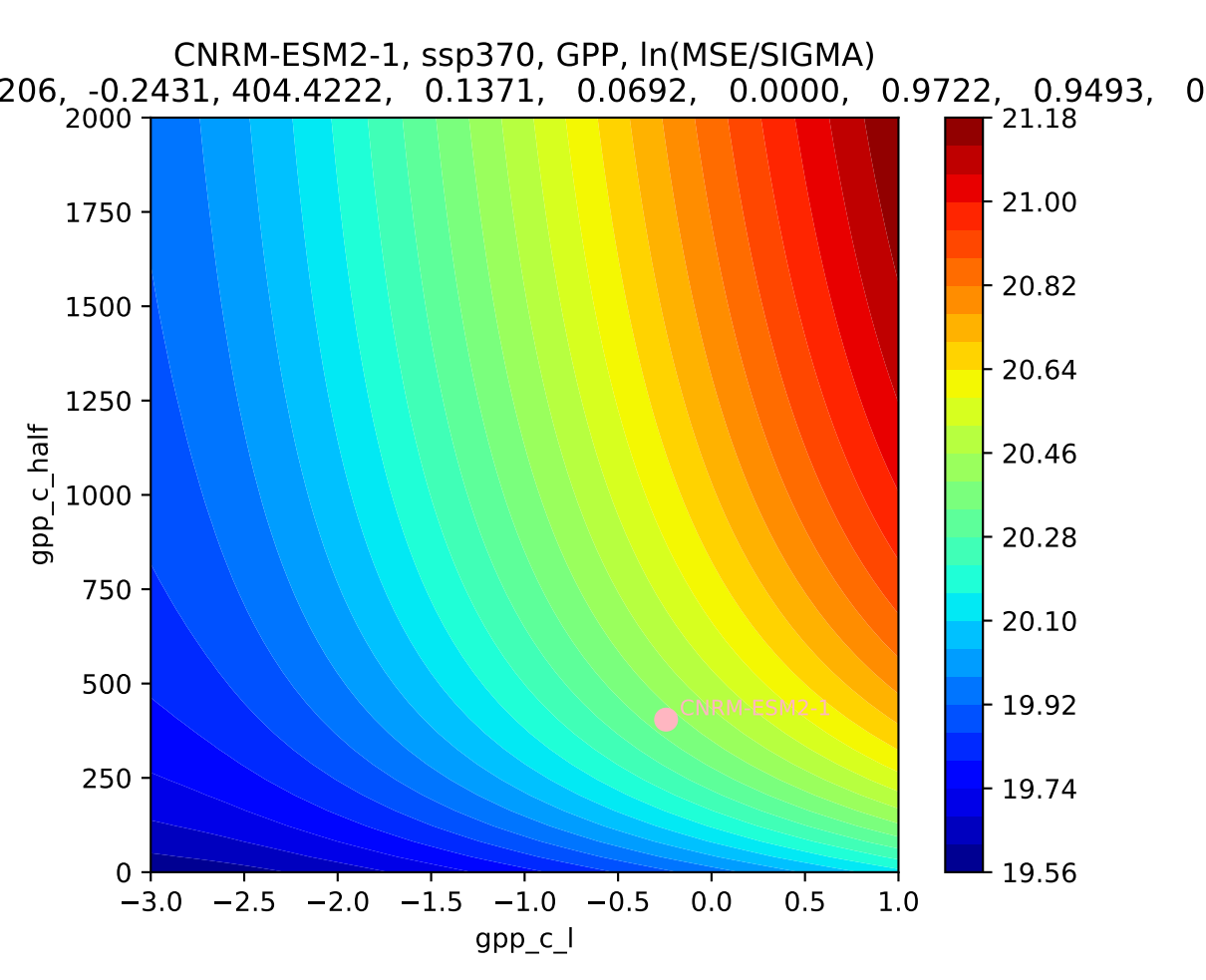

CNRM-ESM2-1, ssp370, GPP
ESM
Fit
GPP
160
140
120
100
0
2
4
ΔT

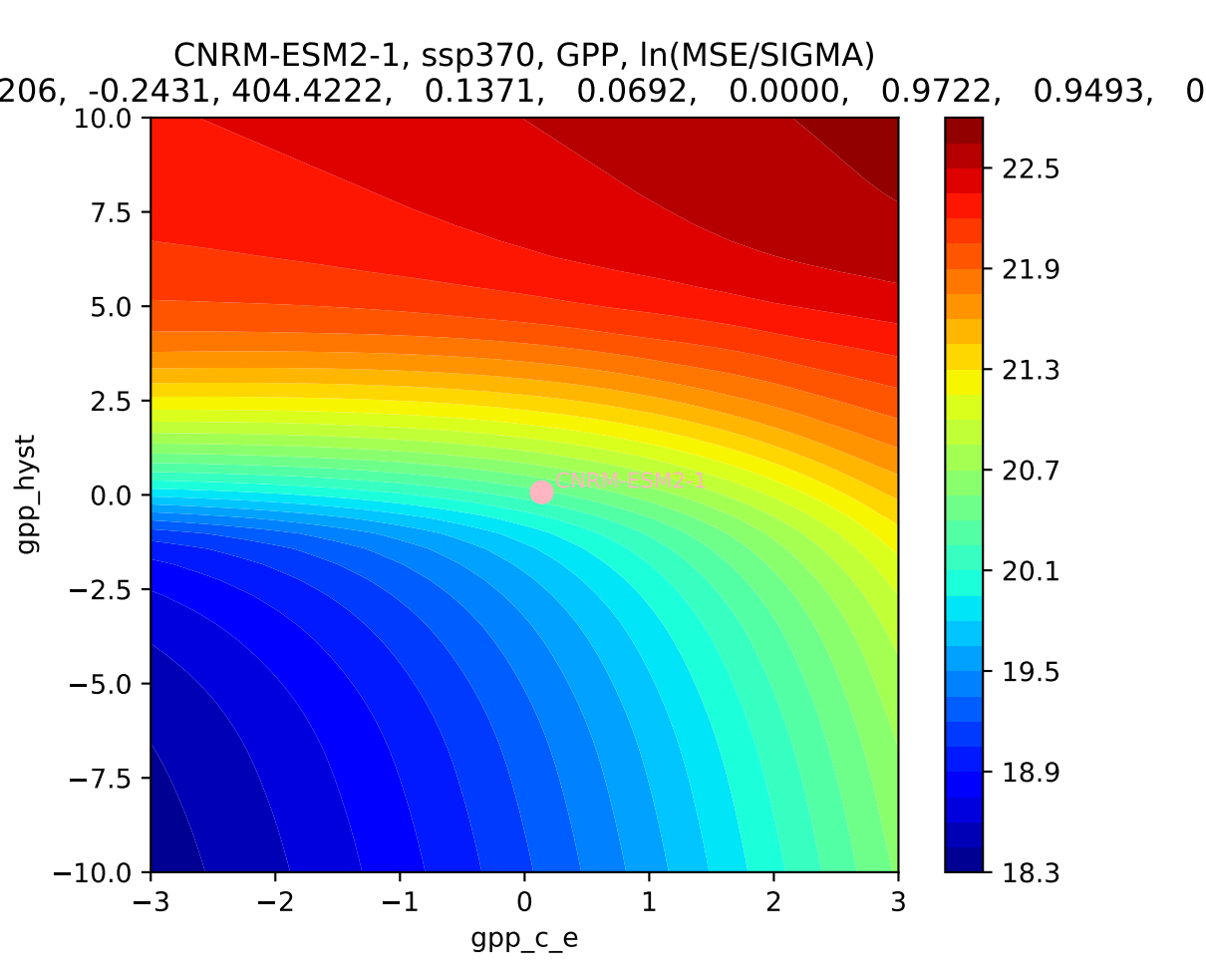

CNRM-ESM2-1, ssp370, GPP
ESM-Fit
GPP, ESM - FIT
5
0
−5
−10
0
2
4
ΔT

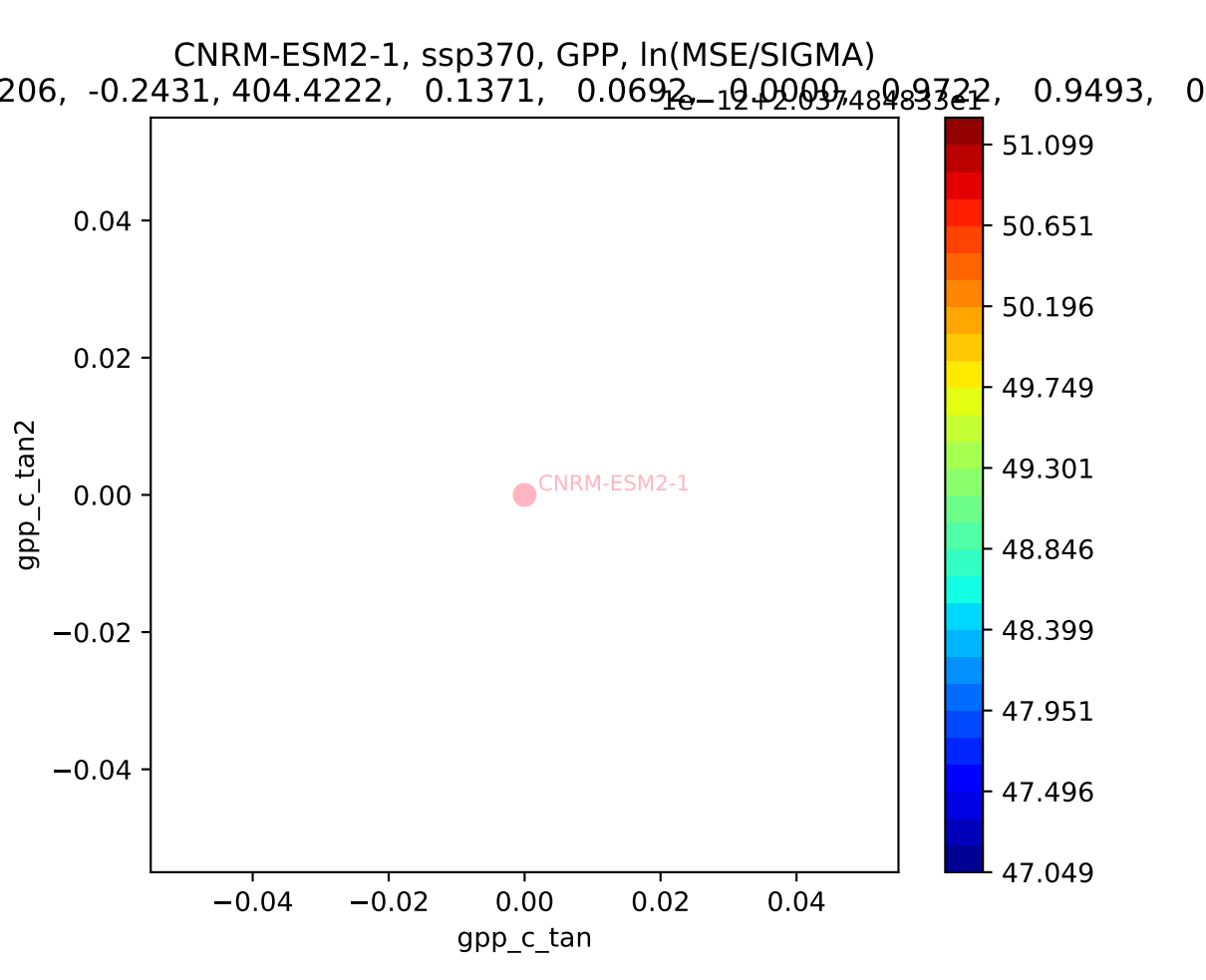

CNRM-ESM2-1, ssp370, GPP
ESM
Fit
GPP
160
140
120
100
400
600
800
c_atm

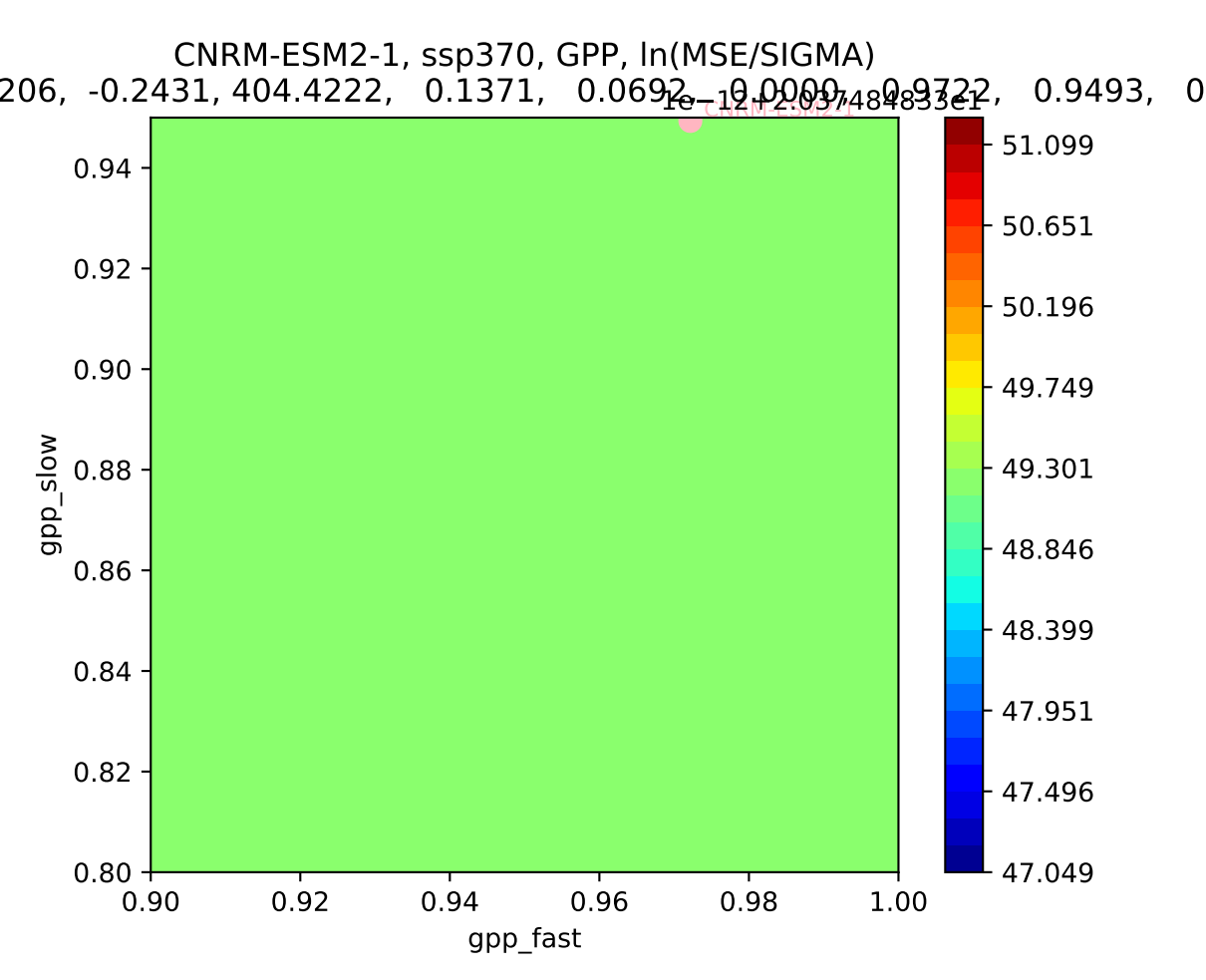

CNRM-ESM2-1, ssp370, GPP
ESM-Fit
GPP, ESM - FIT
5
0
−5
−10
400
600
800
c_atm

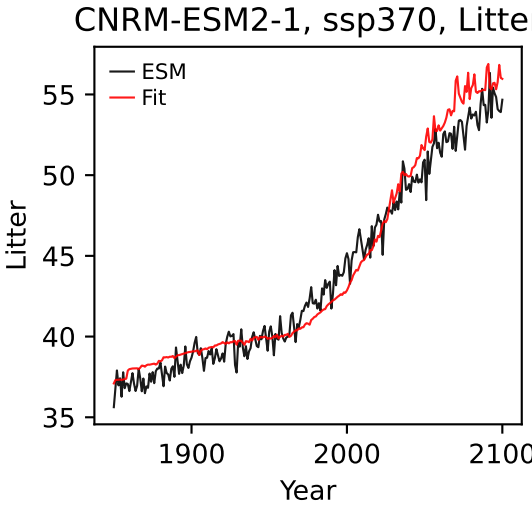

CNRM-ESM2-1, ssp370, GPP, ln(MSE/SIGMA)
206, -0.2431, 404.4222, 0.1371, 0.0692, 0.0000, 0.9722, 0.9493, 0
CNRM-ESM2-1
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
22.50
22.05
21.60
21.15
20.70
20.25
19.80
19.35
18.90
18.45

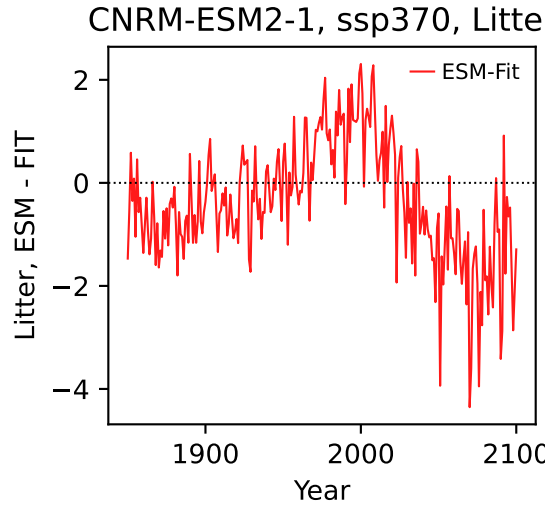

CNRM-ESM2-1, ssp370, GPP, ln(MSE/SIGMA)
206, -0.2431, 404.4222, 0.1371, 0.0692, 0.0000, 0.9722, 0.9493, 0
gpp_c_half
gpp_c_l
CNRM-ESM2-1
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
21.18
21.00
20.82
20.64
20.46
20.28
20.10
19.92
19.74
19.56

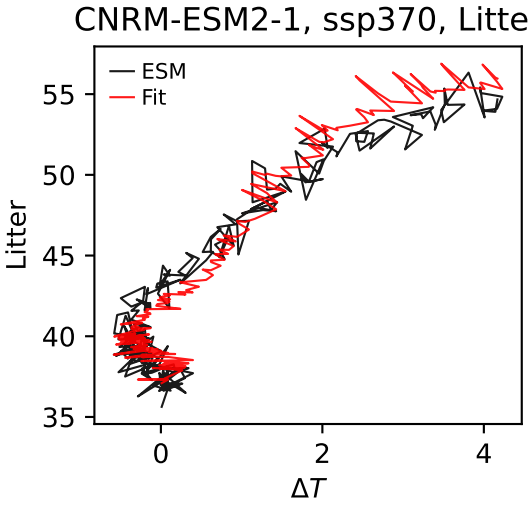

CNRM-ESM2-1, ssp370, GPP, ln(MSE/SIGMA)
206, -0.2431, 404.4222, 0.1371, 0.0692, 0.0000, 0.9722, 0.9493, 0
CNRM-ESM2-1
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.5
21.9
21.3
20.7
20.1
19.5
18.9
18.3

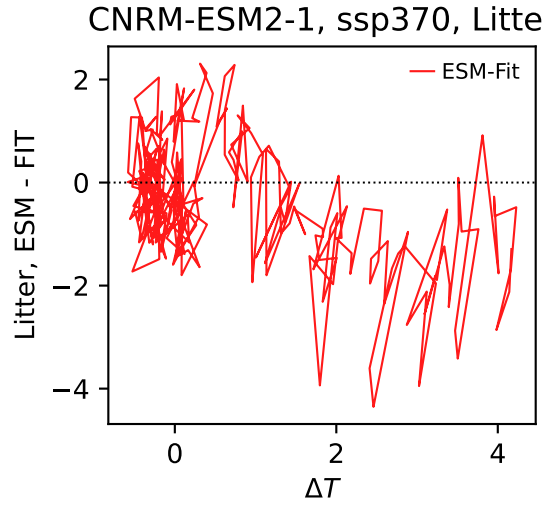

CNRM-ESM2-1, ssp370, GPP, ln(MSE/SIGMA)
206, -0.2431, 404.4222, 0.1371, 0.0692, 0.0000, 0.9722, 0.9493, 0
1e−12+2.037484833e1
51.099
50.651
50.196
49.749
49.301
48.846
48.399
47.951
47.496
47.049
CNRM-ESM2-1
0.04
0.02
0.00
−0.02
−0.04
gpp_c_tan2
−0.04
−0.02
0.00
0.02
0.04
gpp_c_tan

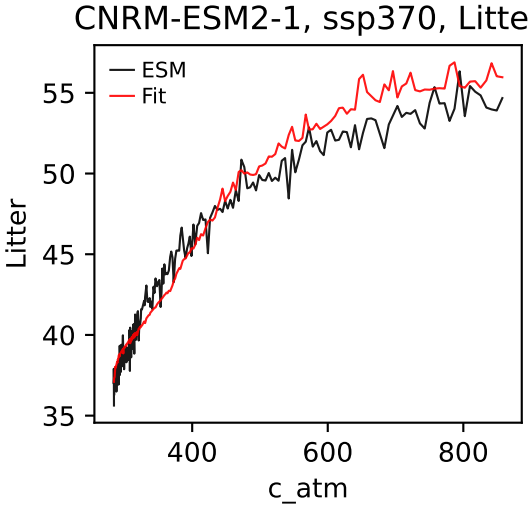

CNRM-ESM2-1, ssp370, GPP, ln(MSE/SIGMA)
206, -0.2431, 404.4222, 0.1371, 0.0692, 0.0000, 0.9722, 0.9493, 0
1e−12+2.037484833e1
51.099
50.651
50.196
49.749
49.301
48.846
48.399
47.951
47.496
47.049
gpp_slow
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
0.90
0.92
0.94
0.96
0.98
1.00
gpp_fast

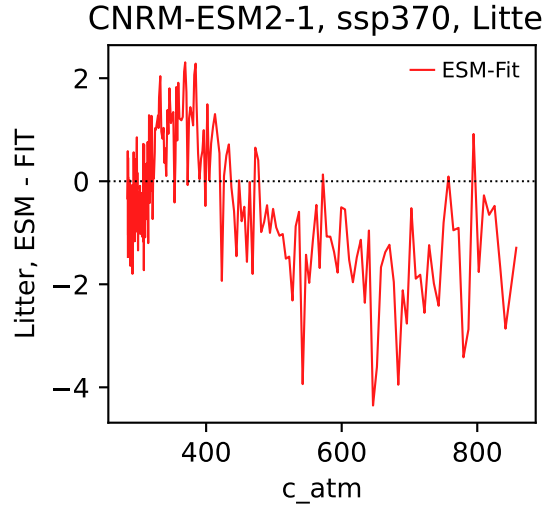

CNRM-ESM2-1, ssp370, Litter
ESM
Fit
Litter
Year

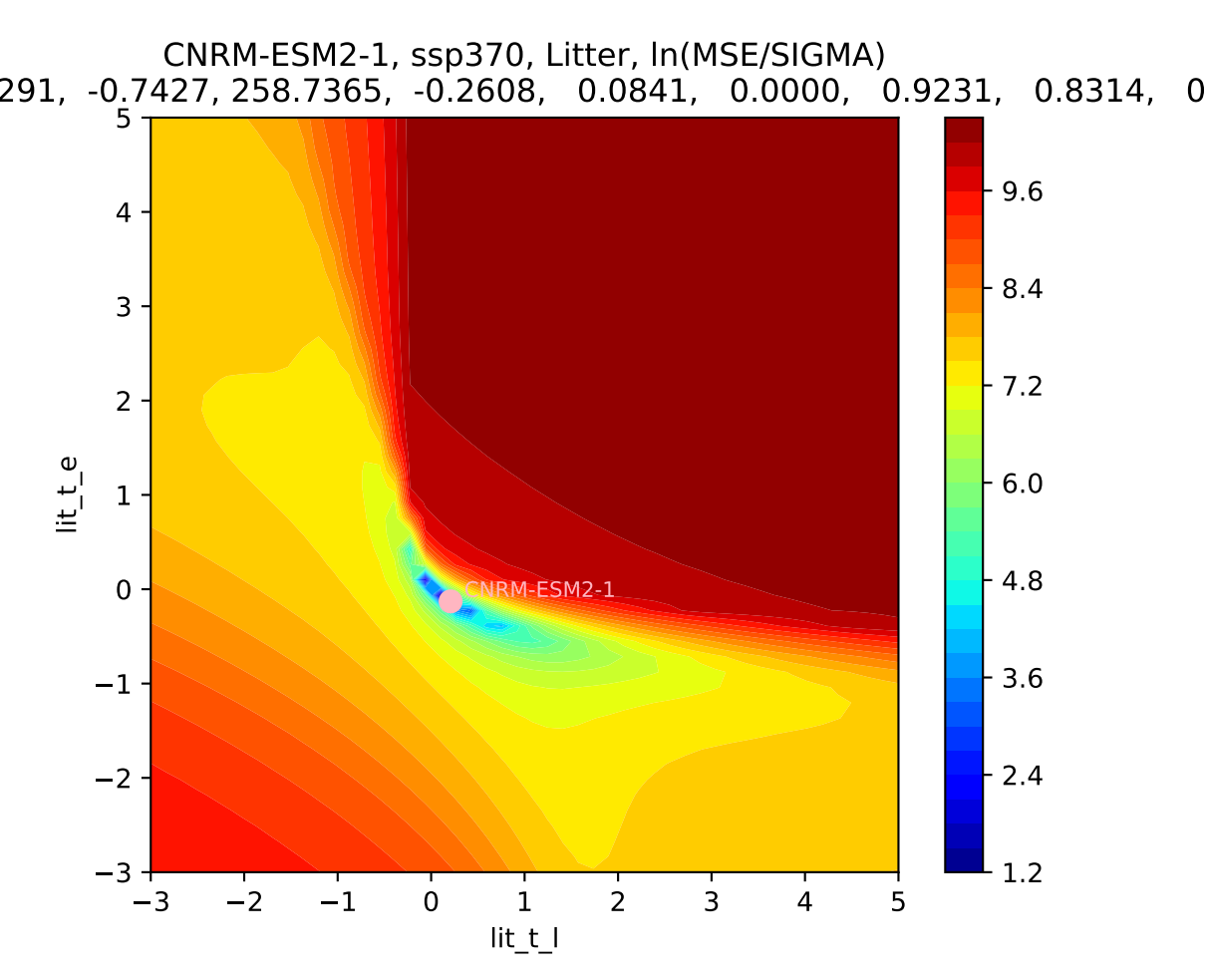

CNRM-ESM2-1, ssp370, Litter
ESM-Fit
Litter, ESM - FIT
Year

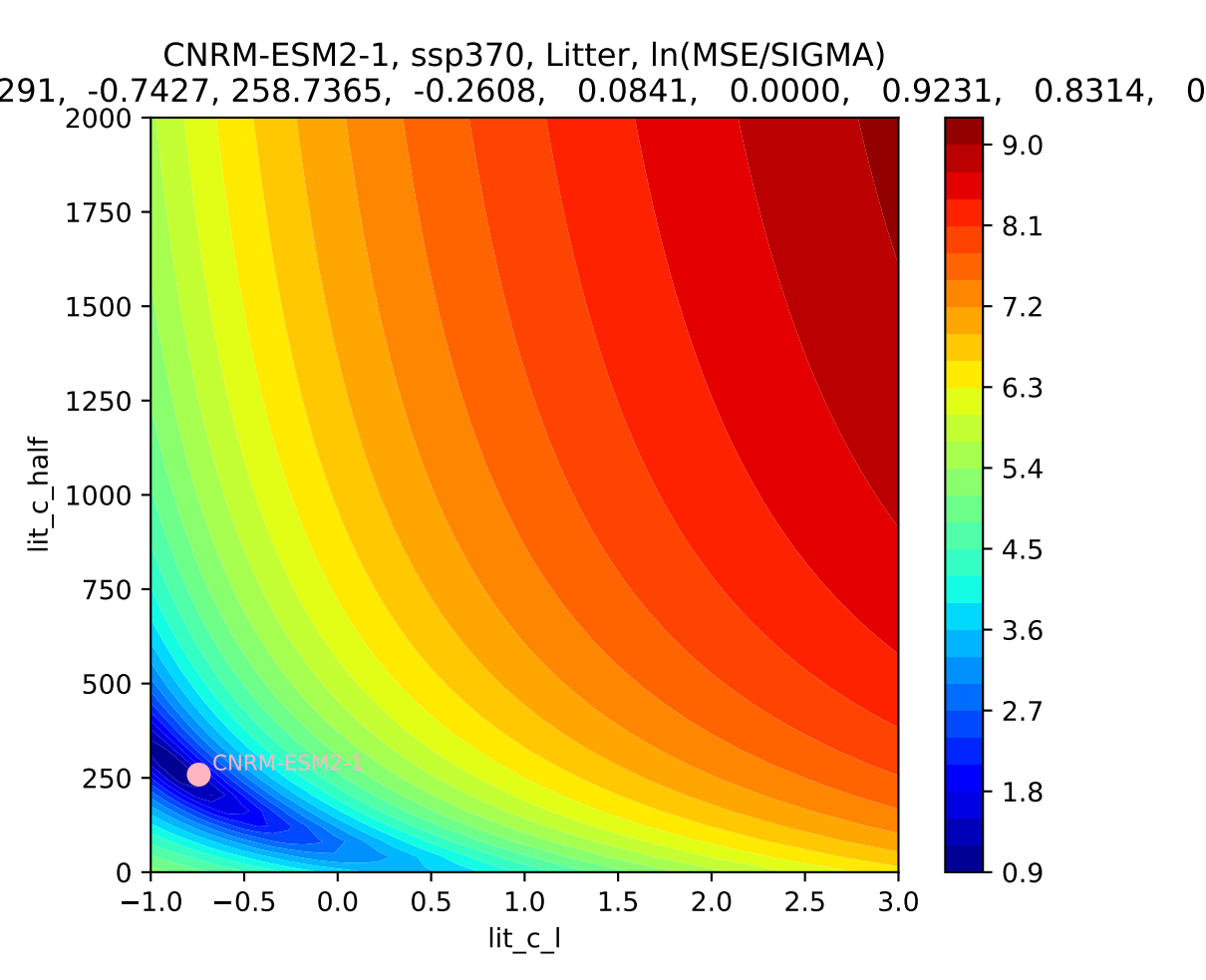

CNRM-ESM2-1, ssp370, Litter
ESM
Fit
Litter
ΔT

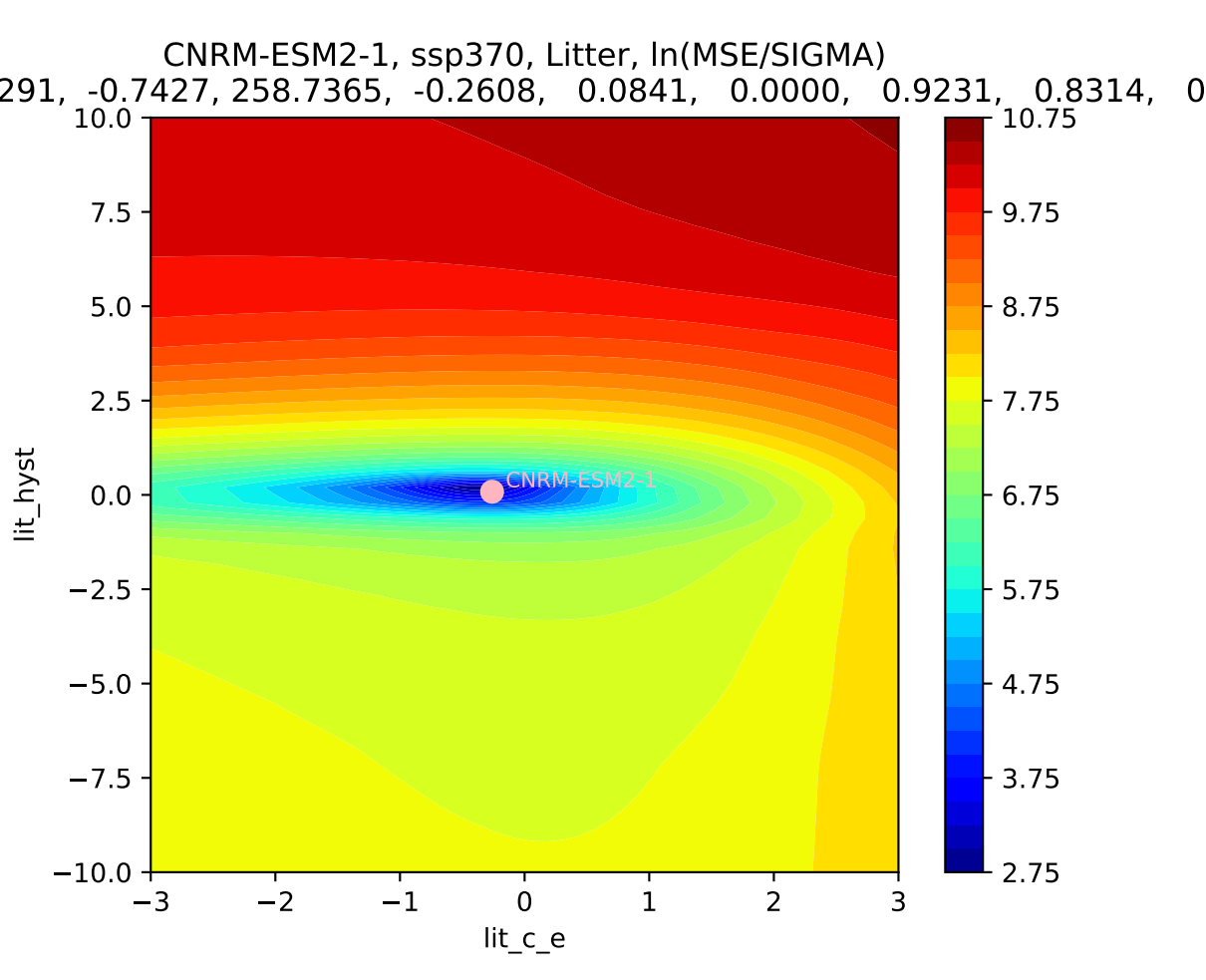

CNRM-ESM2-1, ssp370, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

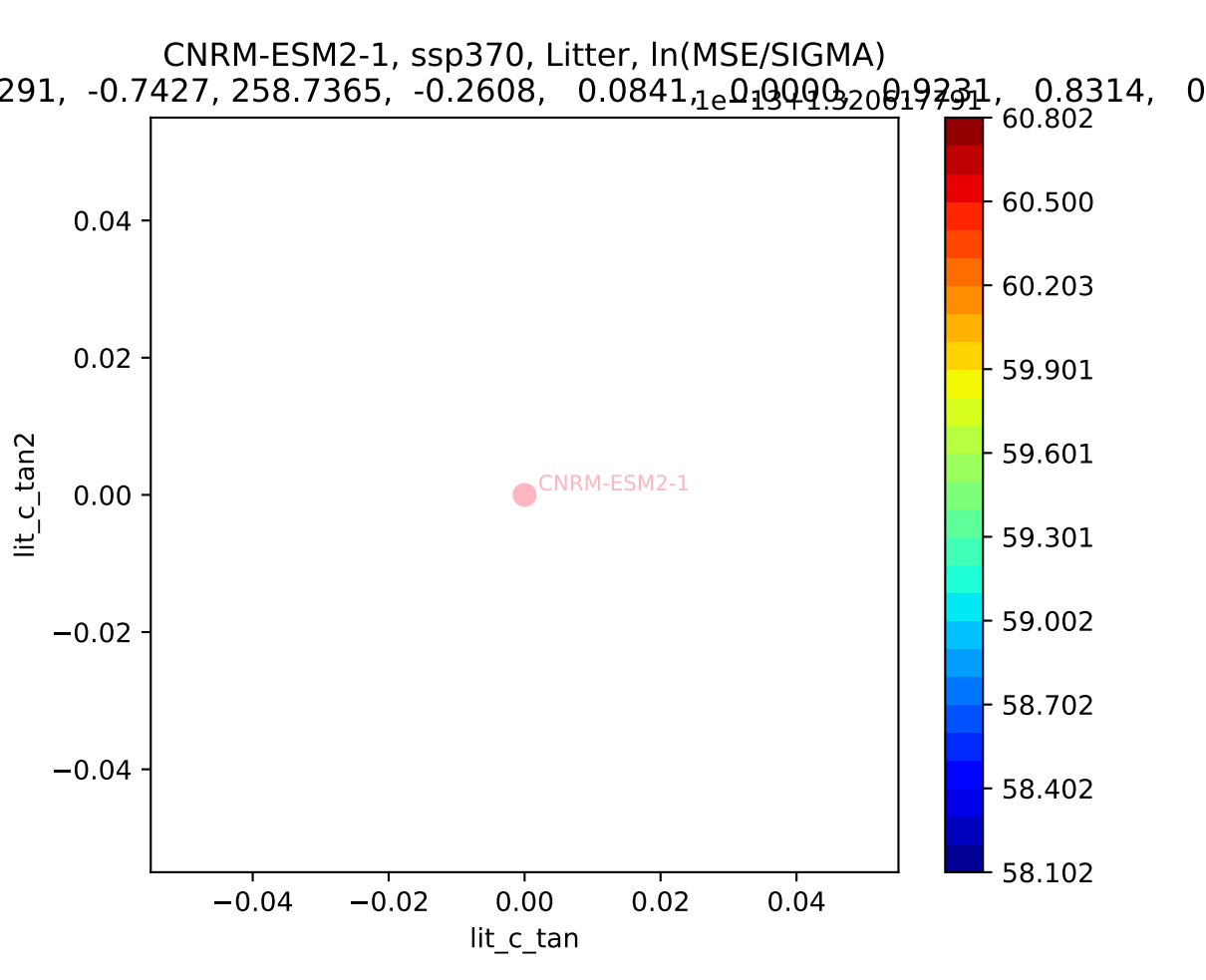

CNRM-ESM2-1, ssp370, Litter
ESM
Fit
Litter
c_atm

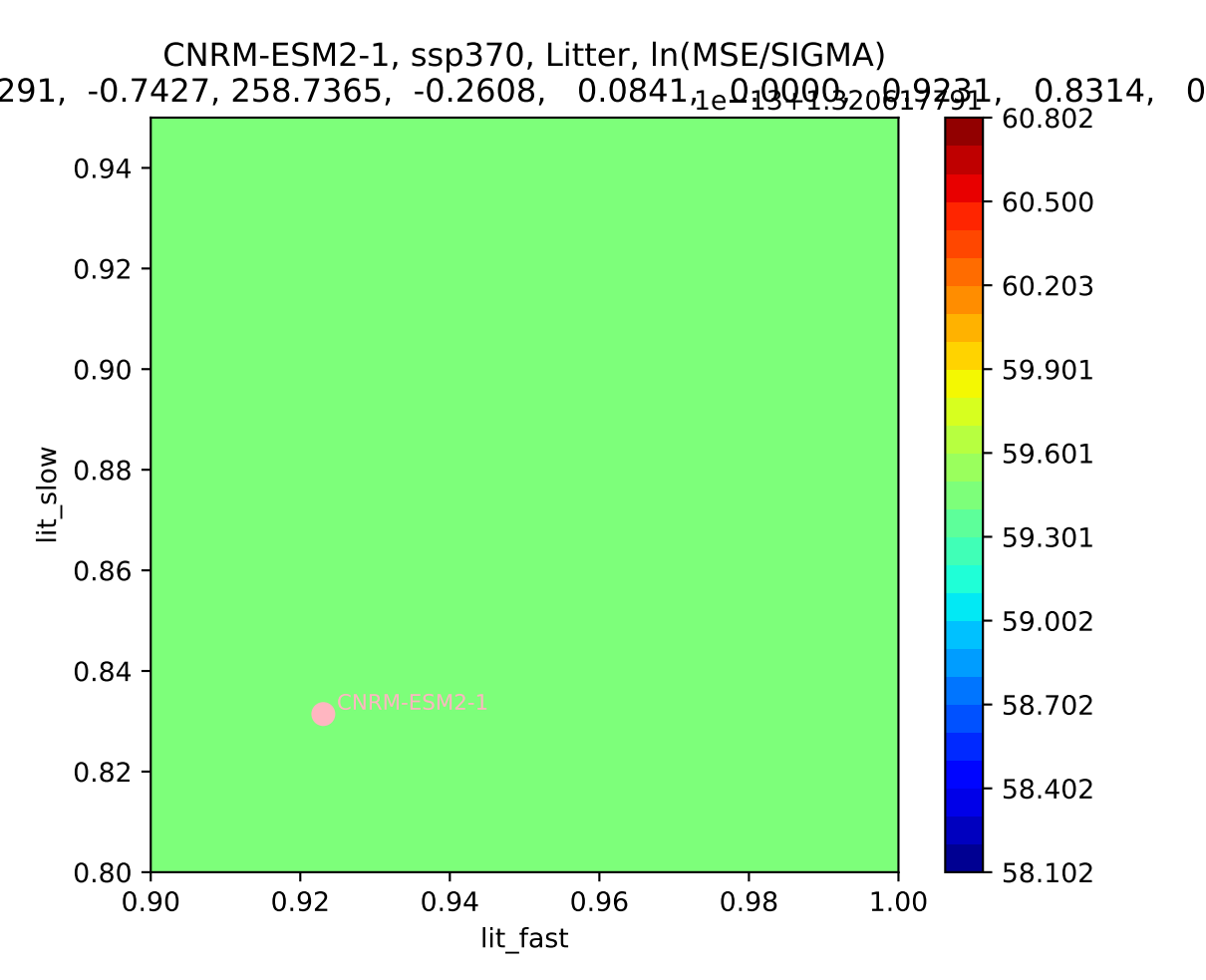

CNRM-ESM2-1, ssp370, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

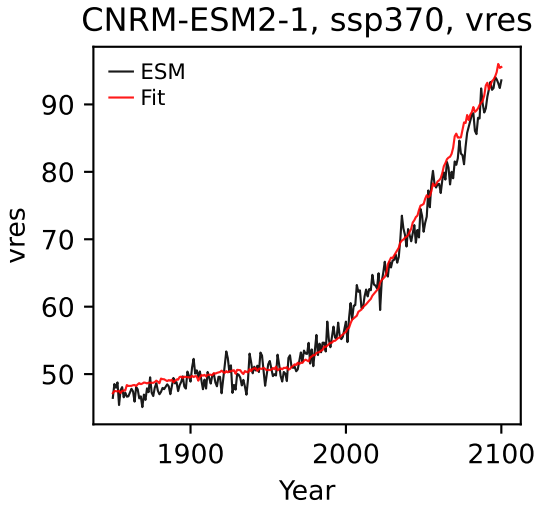

CNRM-ESM2-1, ssp370, Litter, ln(MSE/SIGMA)
291, -0.7427, 258.7365, -0.2608, 0.0841, 0.0000, 0.9231, 0.8314, 0
CNRM-ESM2-1
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

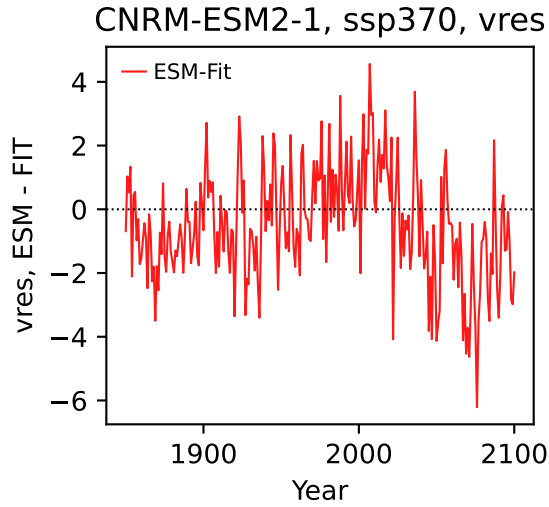

CNRM-ESM2-1, ssp370, Litter, ln(MSE/SIGMA)
291, -0.7427, 258.7365, -0.2608, 0.0841, 0.0000, 0.9231, 0.8314, 0
2000
1750
1500
1250
1000
750
500
250
0
lit_c_half
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
lit_c_l
CNRM-ESM2-1
9.0
8.1
7.2
6.3
5.4
4.5
3.6
2.7
1.8
0.9

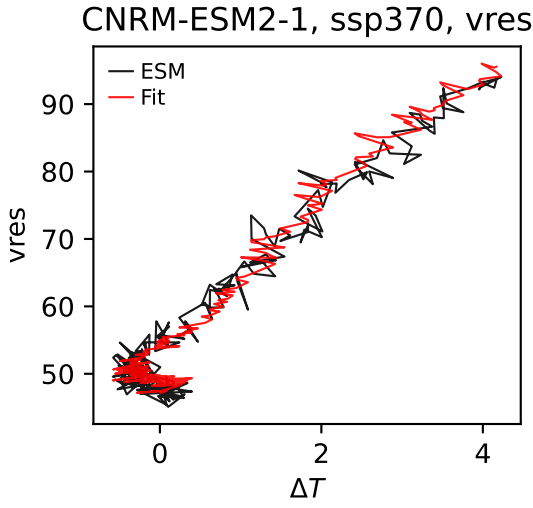

CNRM-ESM2-1, ssp370, Litter, ln(MSE/SIGMA)
291, -0.7427, 258.7365, -0.2608, 0.0841, 0.0000, 0.9231, 0.8314, 0
CNRM-ESM2-1
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.75
9.75
8.75
7.75
6.75
5.75
4.75
3.75
2.75

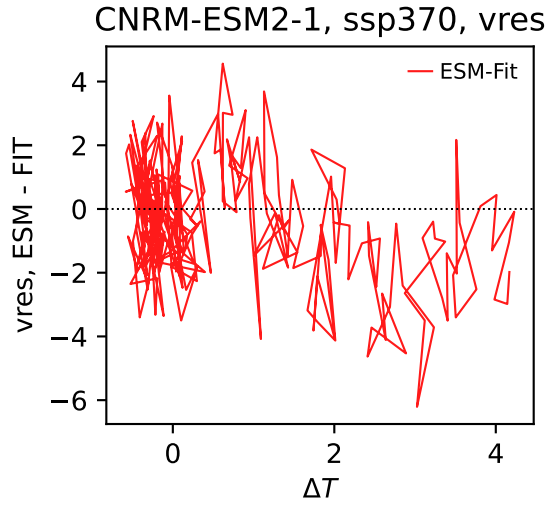

CNRM-ESM2-1, ssp370, Litter, ln(MSE/SIGMA)
291, -0.7427, 258.7365, -0.2608, 0.0841, 0.0000, 0.9231, 0.8314, 0
1e-131+1.320617791
CNRM-ESM2-1
lit_c_tan2
lit_c_tan
0.04
0.02
0.00
−0.02
−0.04
60.802
60.500
60.203
59.901
59.601
59.301
59.002
58.702
58.402
58.102

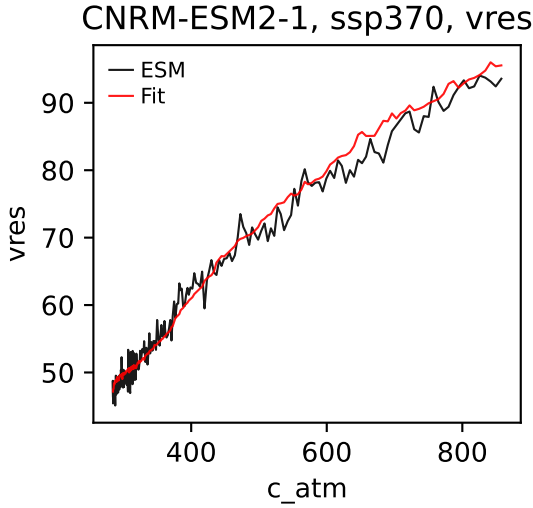

CNRM-ESM2-1, ssp370, Litter, ln(MSE/SIGMA)
291, -0.7427, 258.7365, -0.2608, 0.0841, 0.0000, 0.9231, 0.8314, 0
1e-13+1.320617791
60.802
60.500
60.203
59.901
59.601
59.301
59.002
58.702
58.402
58.102
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
lit_slow
CNRM-ESM2-1
0.90
0.92
0.94
0.96
0.98
1.00
lit_fast

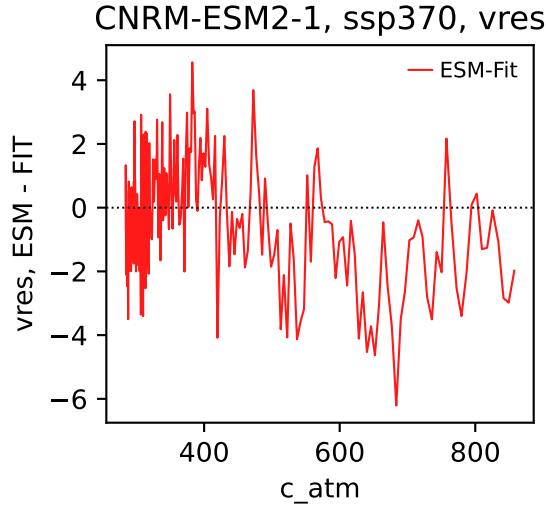

CNRM-ESM2-1, ssp370, vres
ESM
Fit
vres
Year

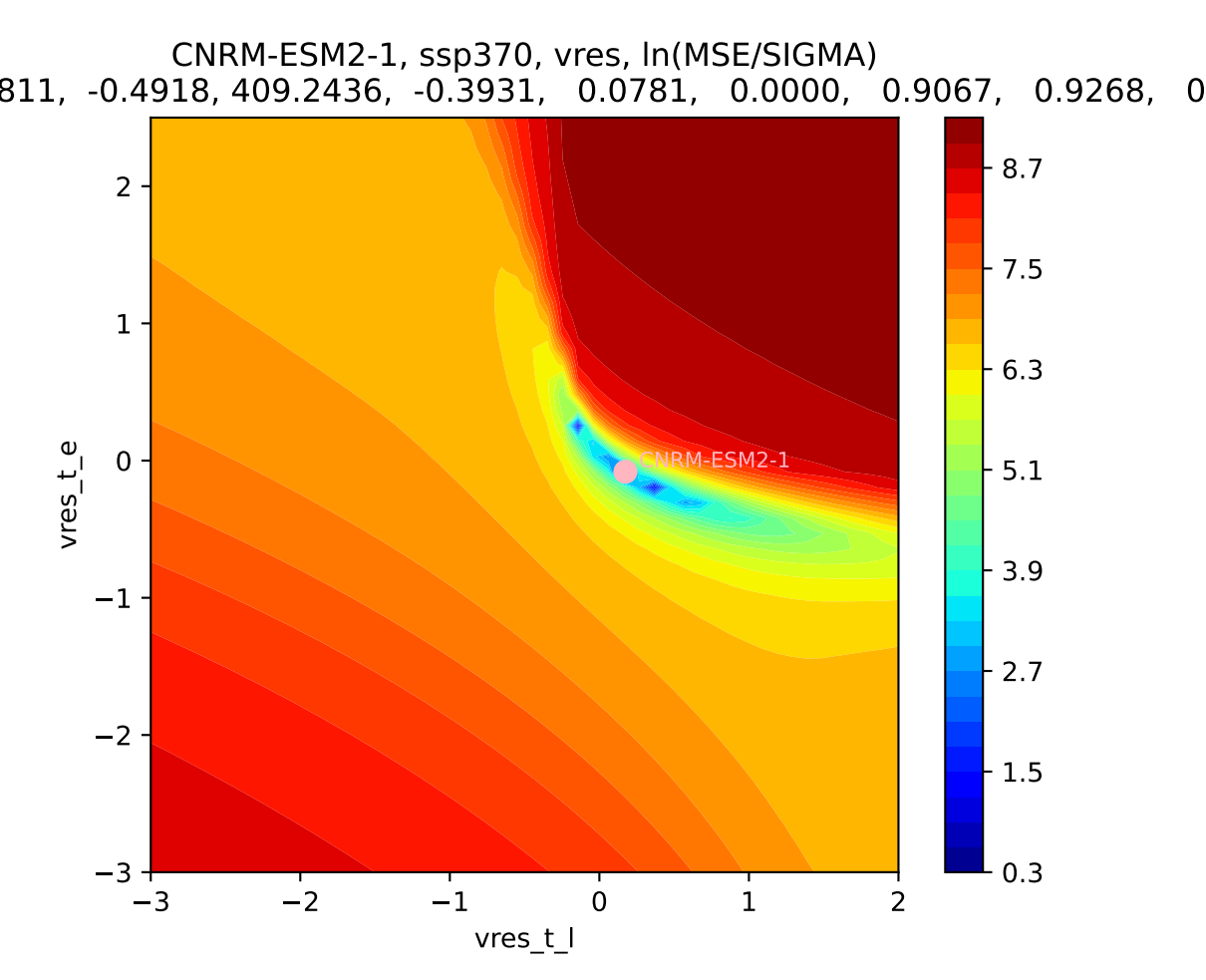

CNRM-ESM2-1, ssp370, vres
ESM-Fit
vres, ESM - FIT
Year

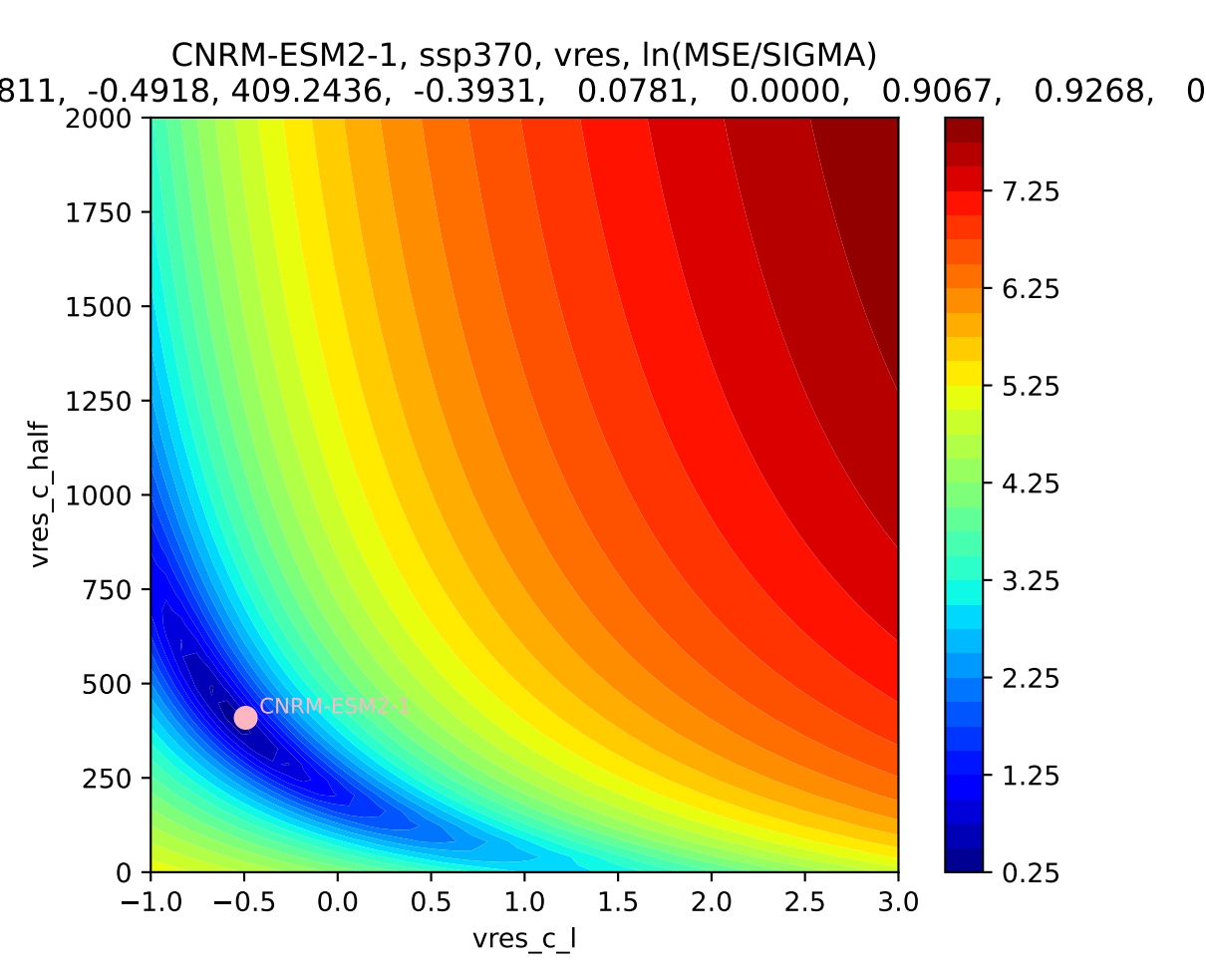

CNRM-ESM2-1, ssp370, vres
ESM
Fit
vres
ΔT

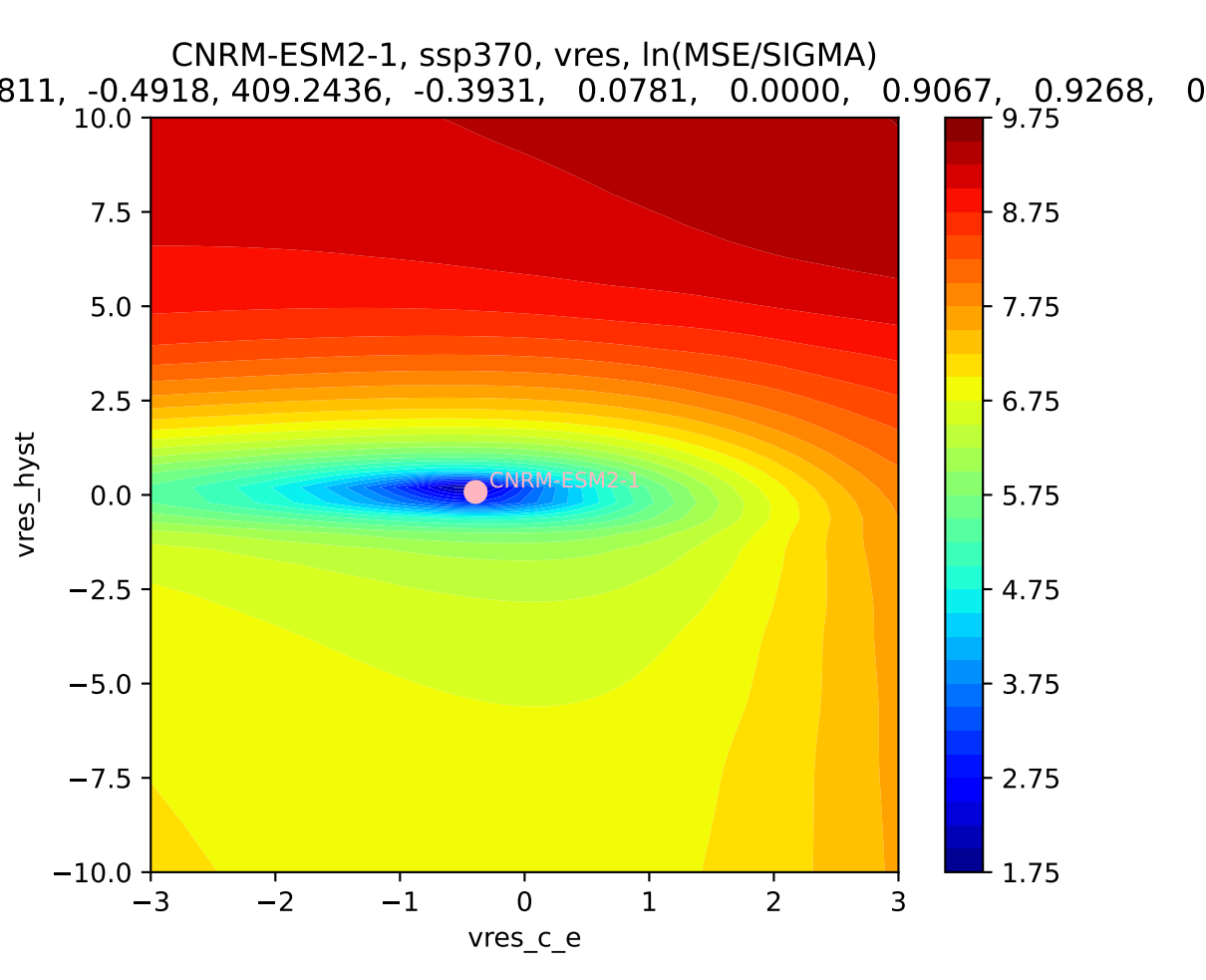

CNRM-ESM2-1, ssp370, vres
ESM-Fit
vres, ESM - FIT
ΔT

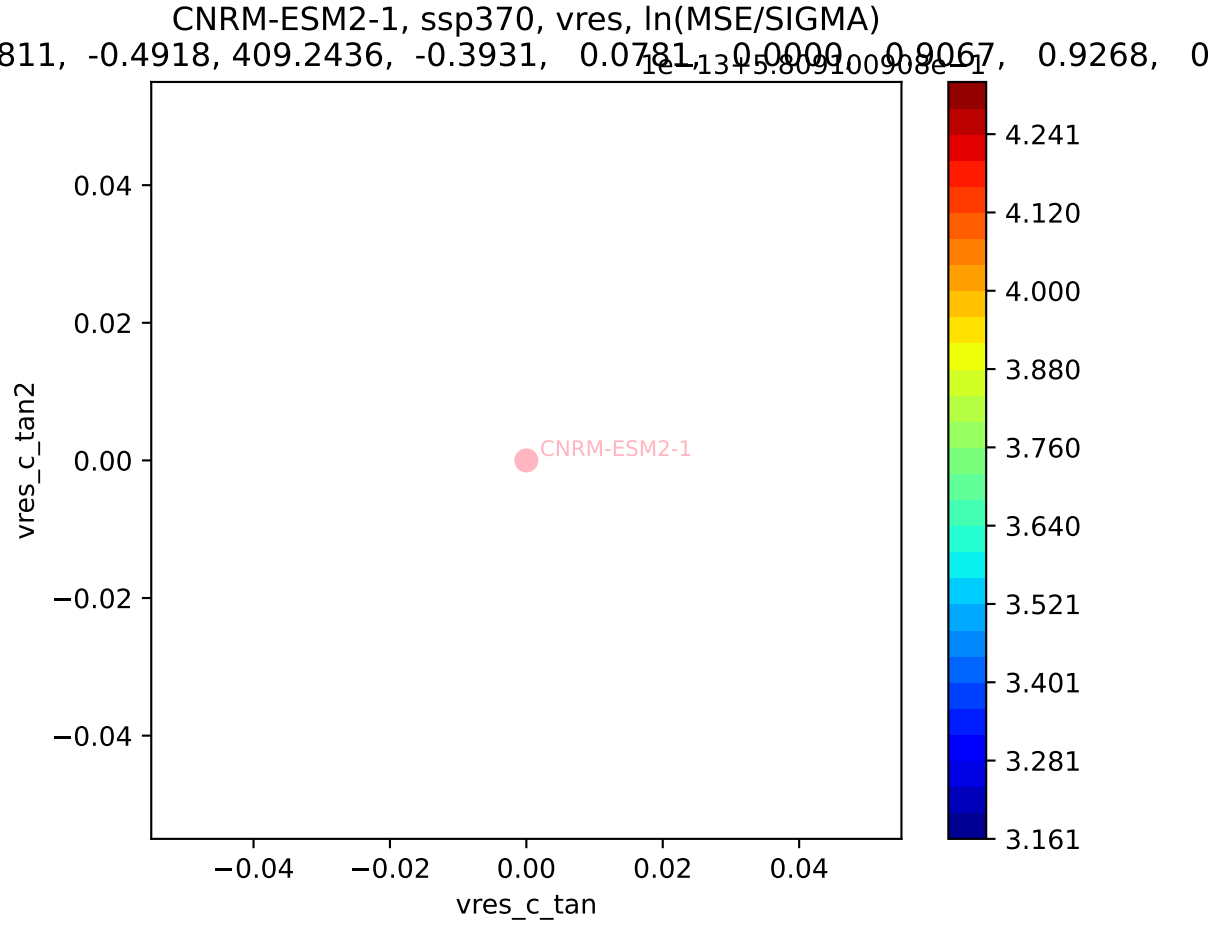

CNRM-ESM2-1, ssp370, vres
ESM
Fit
vres
c_atm

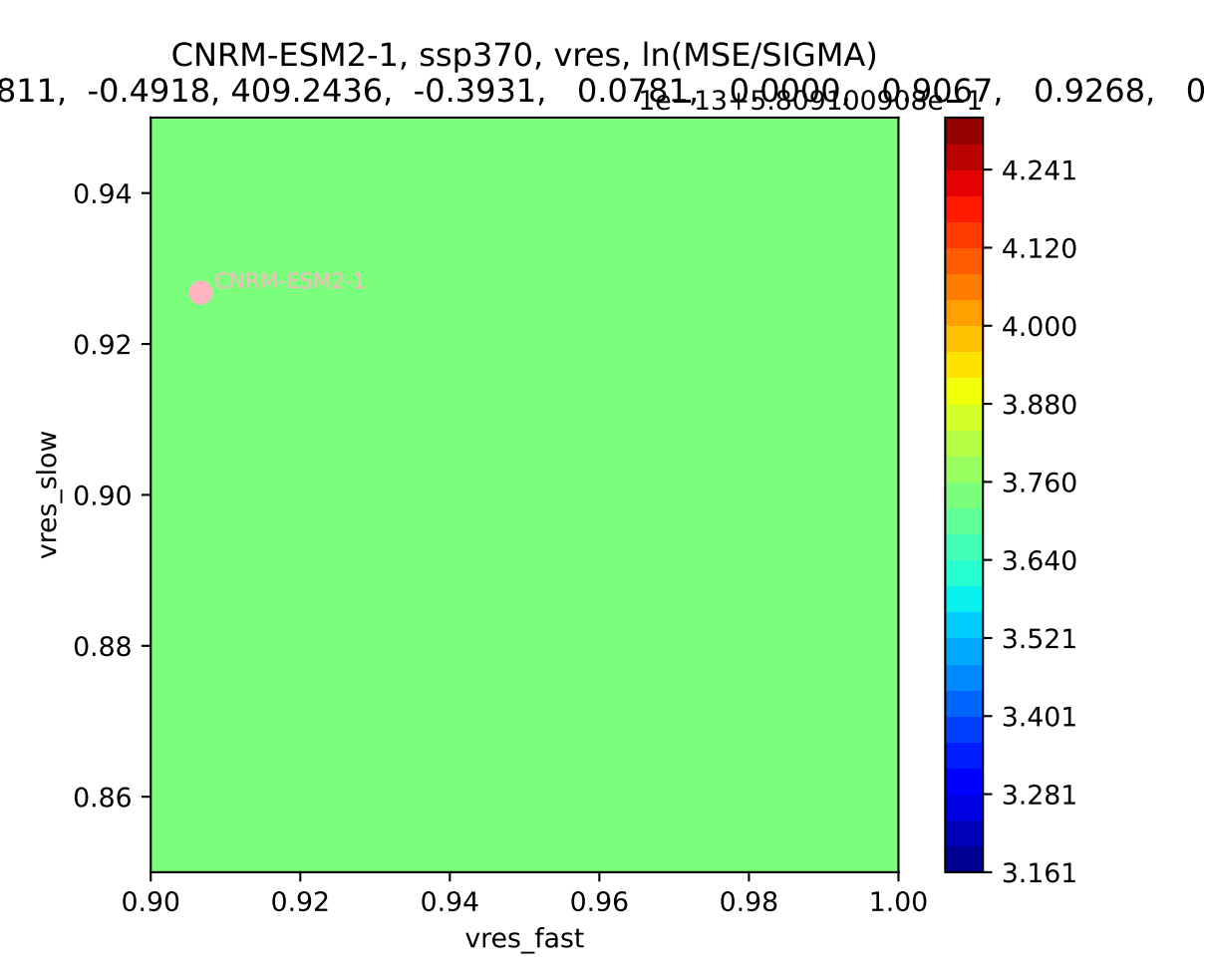

CNRM-ESM2-1, ssp370, vres
ESM-Fit
vres, ESM - FIT
c_atm

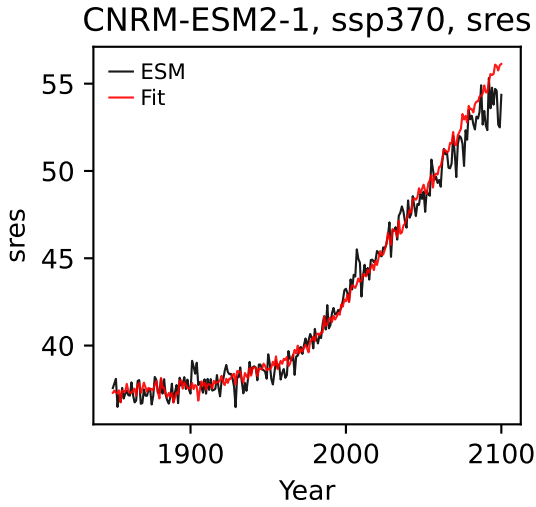

CNRM-ESM2-1, ssp370, vres, ln(MSE/SIGMA)
811, -0.4918, 409.2436, -0.3931, 0.0781, 0.0000, 0.9067, 0.9268, 0
CNRM-ESM2-1
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
8.7
7.5
6.3
5.1
3.9
2.7
1.5
0.3

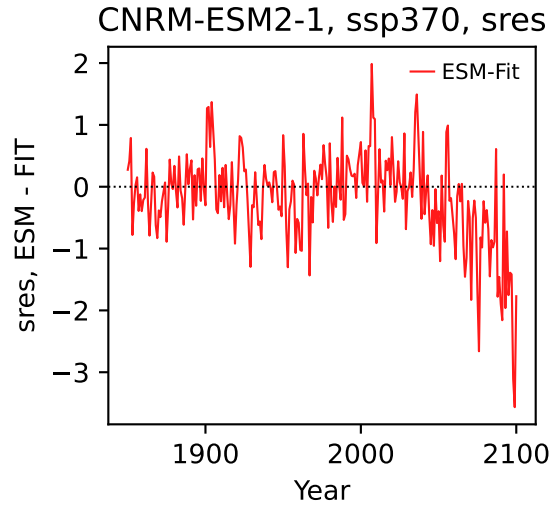

CNRM-ESM2-1, ssp370, vres, ln(MSE/SIGMA)
811, -0.4918, 409.2436, -0.3931, 0.0781, 0.0000, 0.9067, 0.9268, 0
vres_c_half
vres_c_l
CNRM-ESM2-1
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7.25
6.25
5.25
4.25
3.25
2.25
1.25
0.25

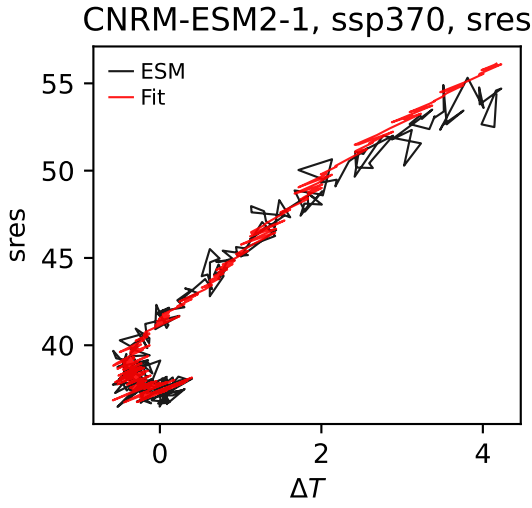

CNRM-ESM2-1, ssp370, vres, ln(MSE/SIGMA)
811, -0.4918, 409.2436, -0.3931, 0.0781, 0.0000, 0.9067, 0.9268, 0
CNRM-ESM2-1
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
9.75
8.75
7.75
6.75
5.75
4.75
3.75
2.75
1.75

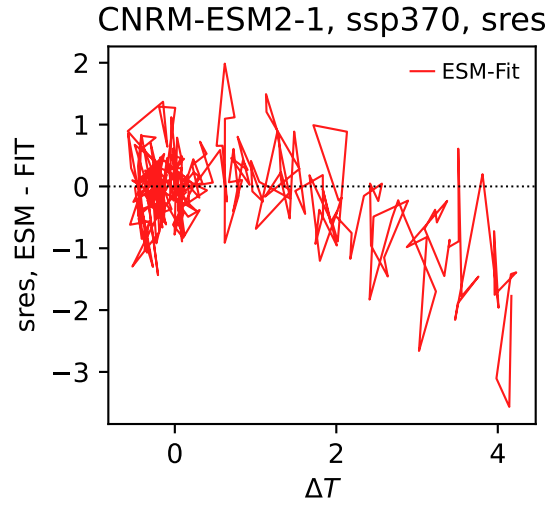

CNRM-ESM2-1, ssp370, vres, ln(MSE/SIGMA)
811, -0.4918, 409.2436, -0.3931, 0.0781, 0.0000, 0.9067, 0.9268, 0
1e−13+5.809100908e−1
CNRM-ESM2-1
0.04
0.02
0.00
−0.02
−0.04
vres_c_tan2
−0.04
−0.02
0.00
0.02
0.04
vres_c_tan
4.241
4.120
4.000
3.880
3.760
3.640
3.521
3.401
3.281
3.161

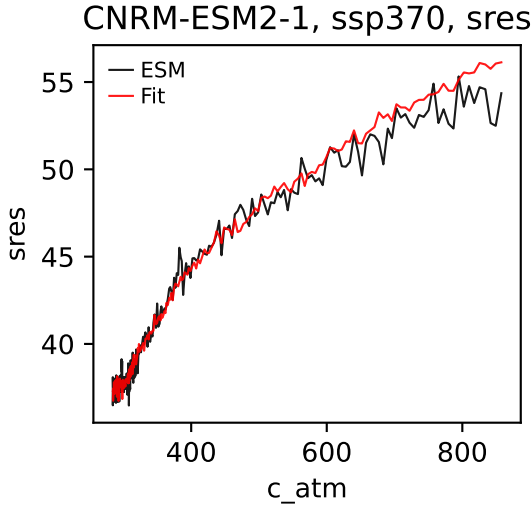

CNRM-ESM2-1, ssp370, vres, ln(MSE/SIGMA)
811, -0.4918, 409.2436, -0.3931, 0.0781, 0.0000, 0.9067, 0.9268, 0
1e−13+5.809100908e−1
CNRM-ESM2-1
0.94
0.92
0.90
0.88
0.86
vres_slow
0.90
0.92
0.94
0.96
0.98
1.00
vres_fast
4.241
4.120
4.000
3.880
3.760
3.640
3.521
3.401
3.281
3.161

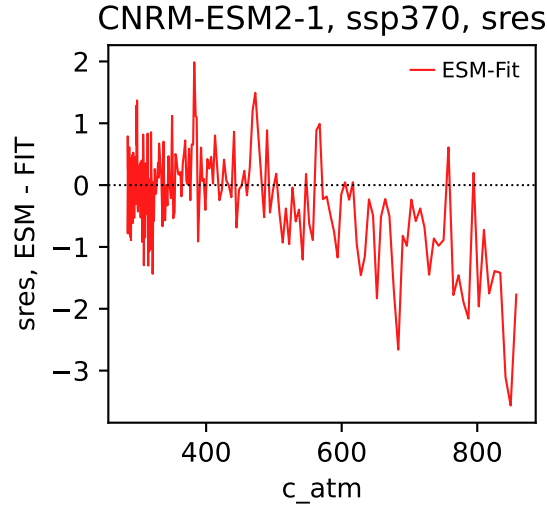

CNRM-ESM2-1, ssp370, sres
ESM
Fit
sres
Year

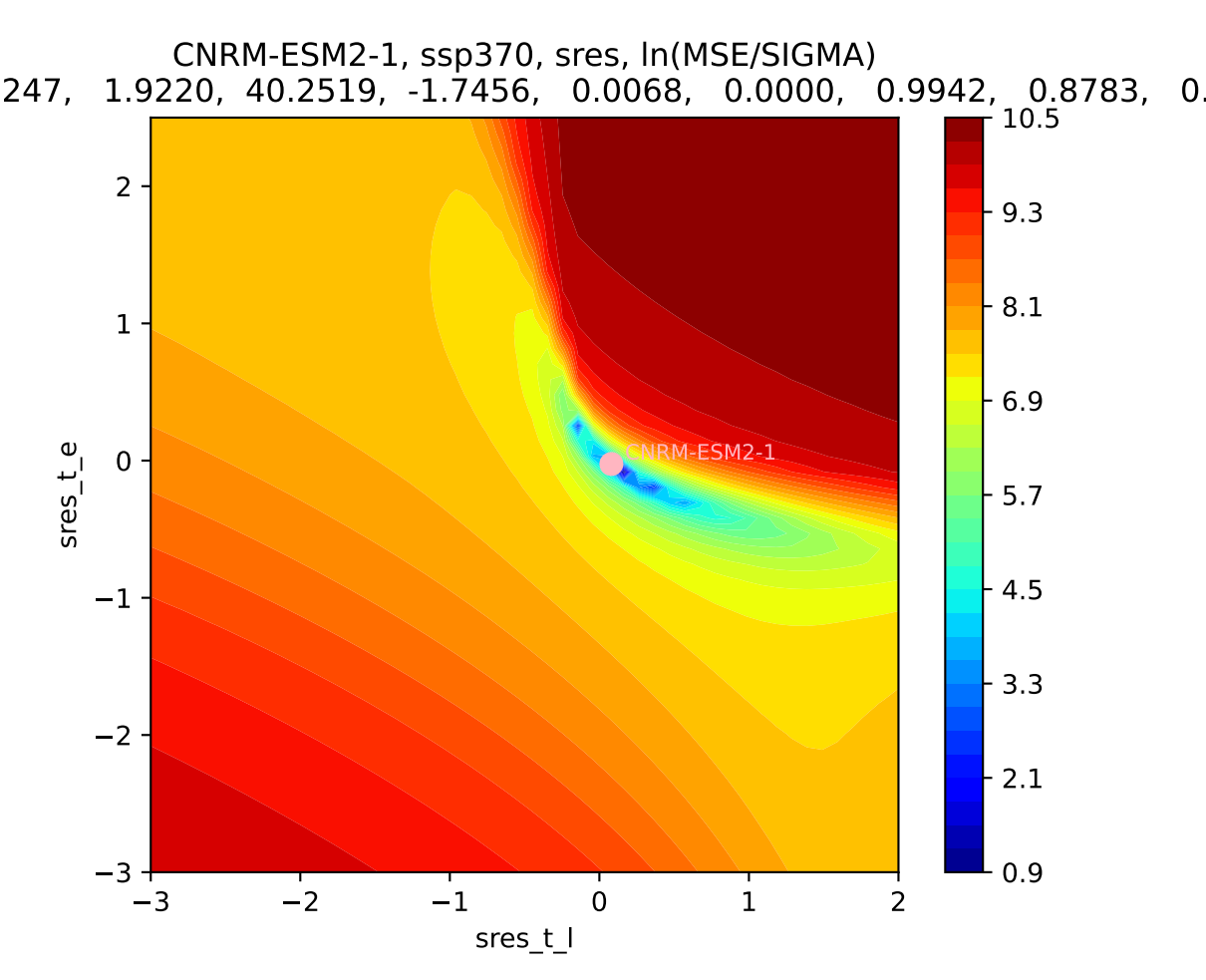

CNRM-ESM2-1, ssp370, sres
ESM-Fit
sres, ESM - FIT
Year

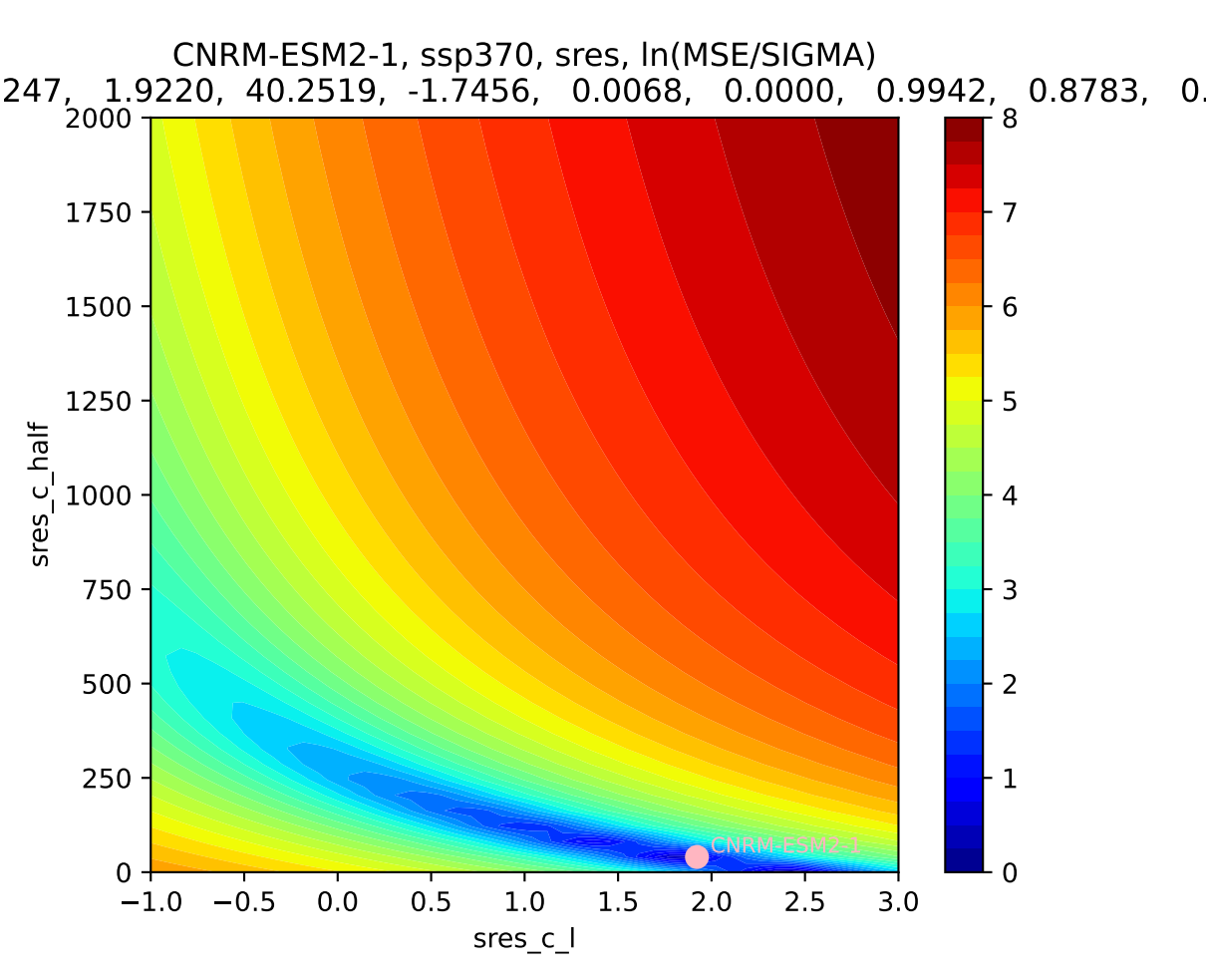

CNRM-ESM2-1, ssp370, sres
ESM
Fit
sres
ΔT

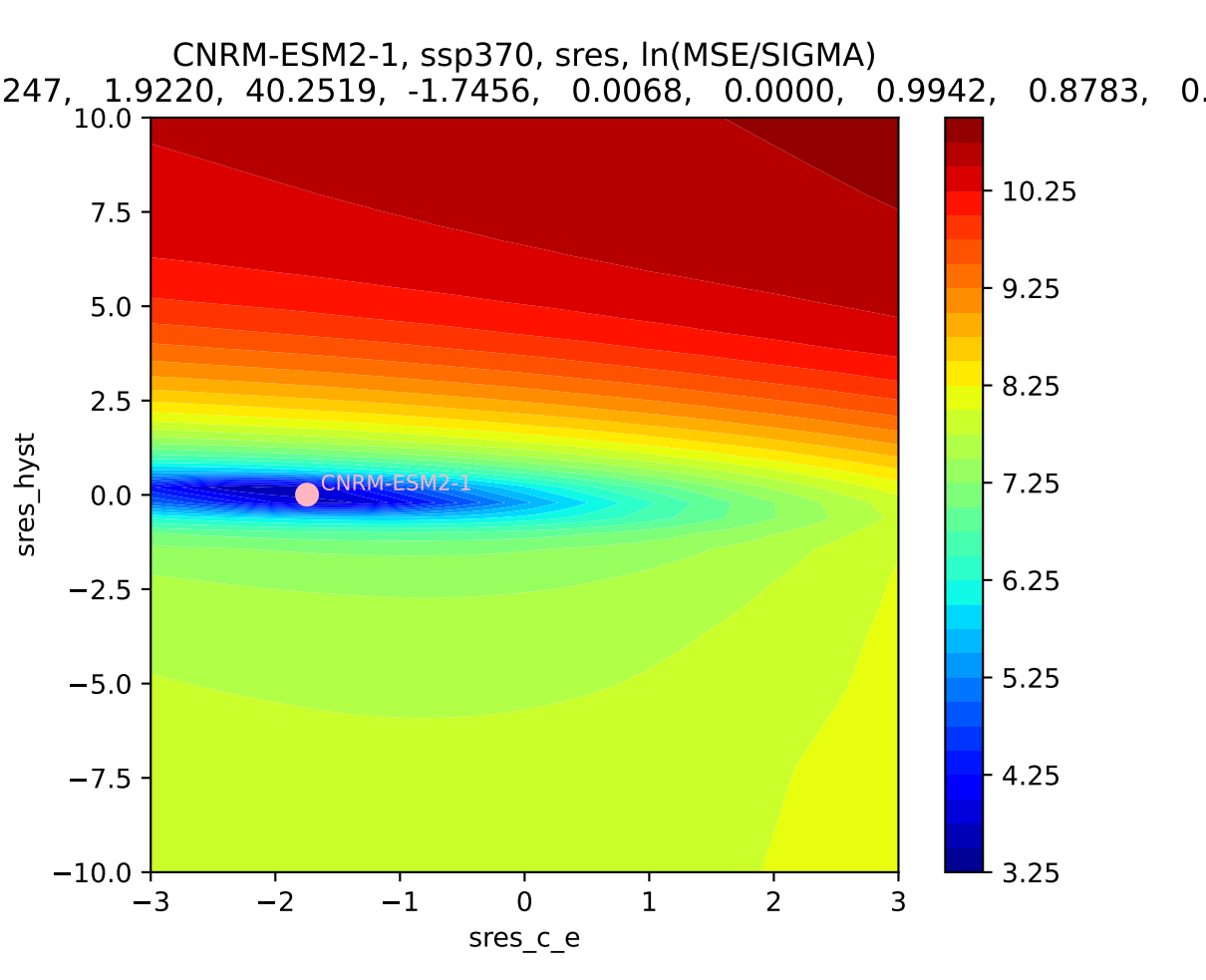

CNRM-ESM2-1, ssp370, sres
ESM-Fit
sres, ESM - FIT
ΔT

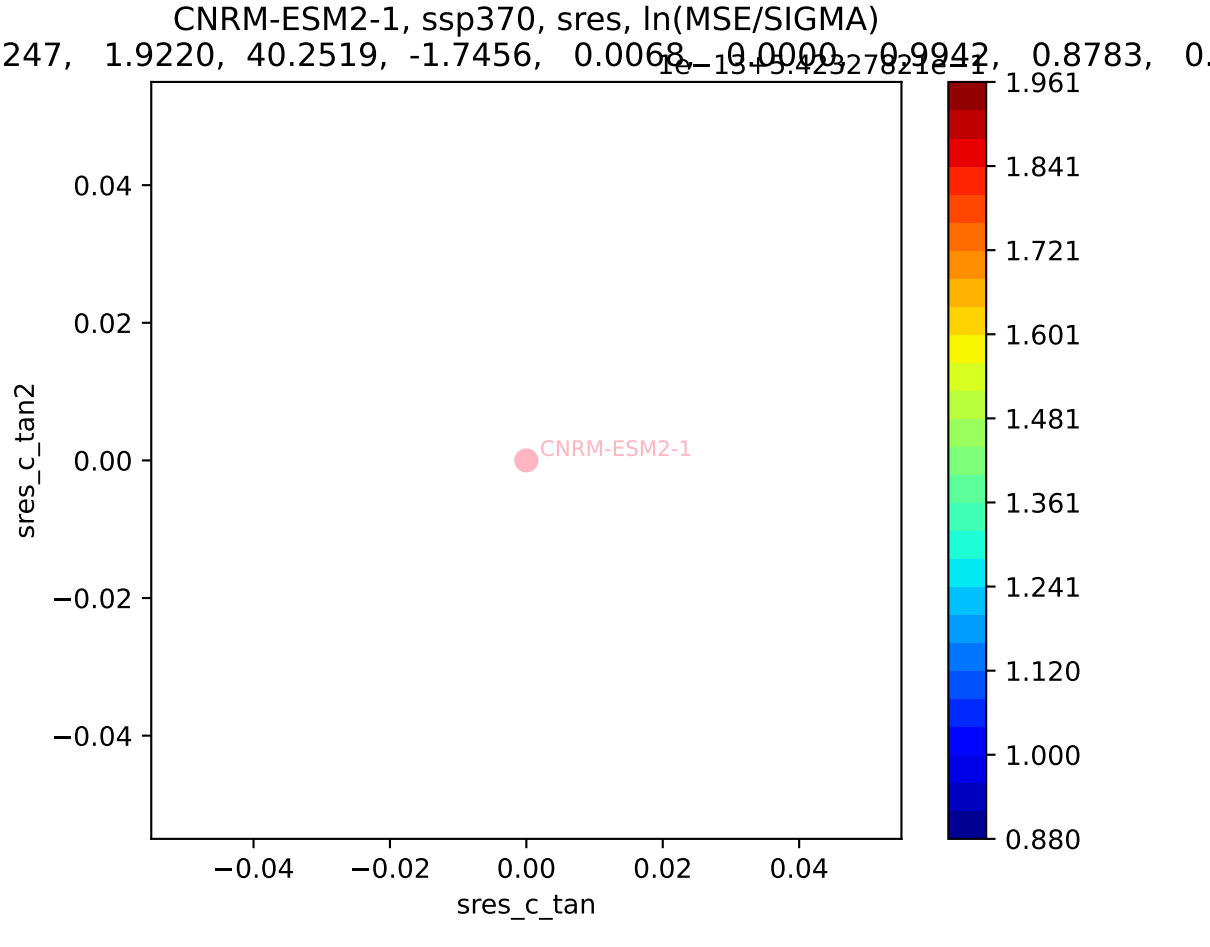

CNRM-ESM2-1, ssp370, sres
ESM
Fit
sres
c_atm

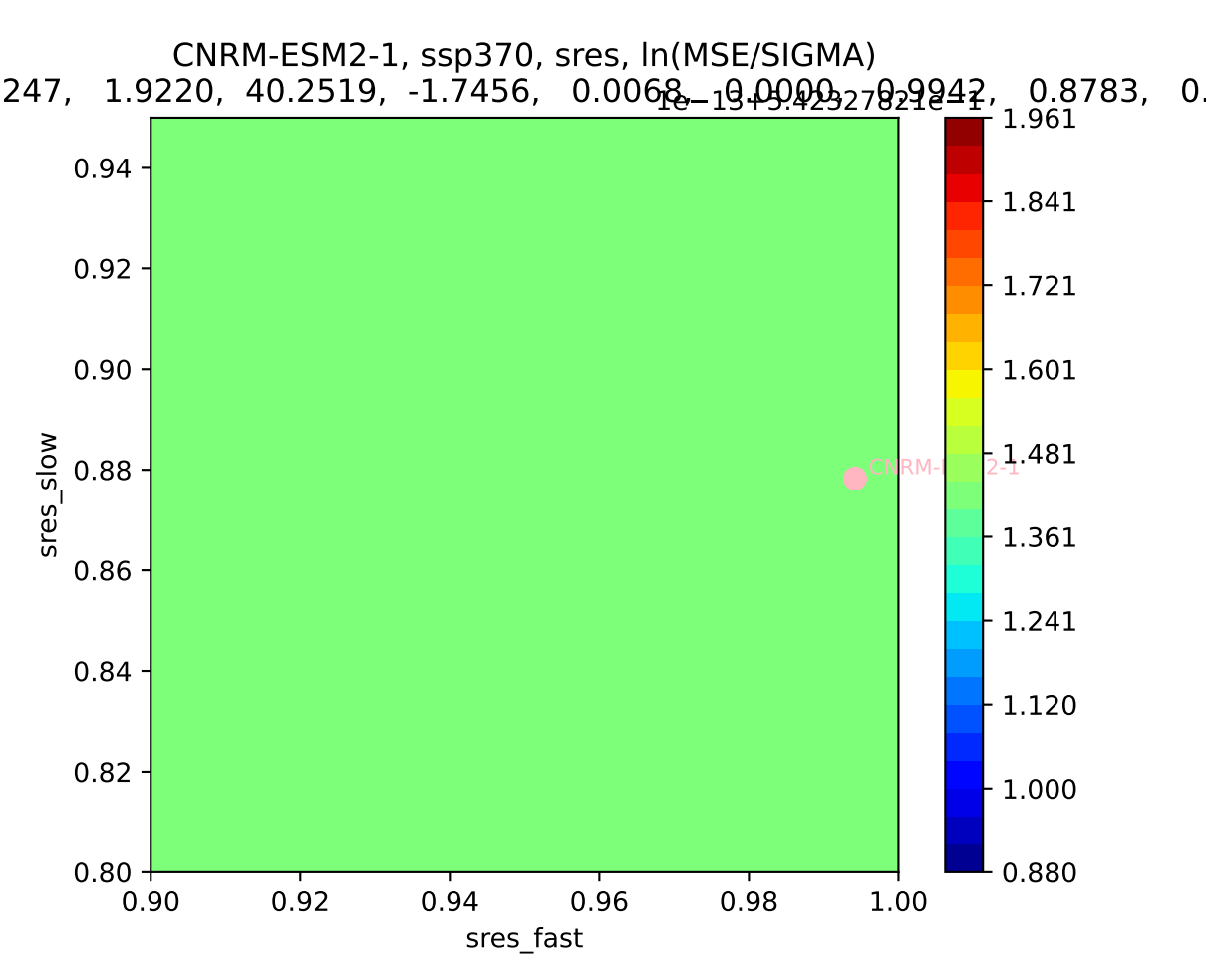

CNRM-ESM2-1, ssp370, sres
ESM-Fit
sres, ESM - FIT
c_atm

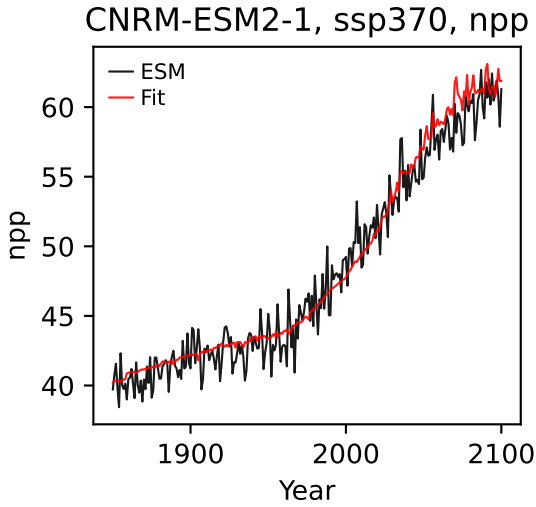

CNRM-ESM2-1, ssp370, sres, ln(MSE/SIGMA)
247, 1.9220, 40.2519, -1.7456, 0.0068, 0.0000, 0.9942, 0.8783, 0.
CNRM-ESM2-1
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
10.5
9.3
8.1
6.9
5.7
4.5
3.3
2.1
0.9

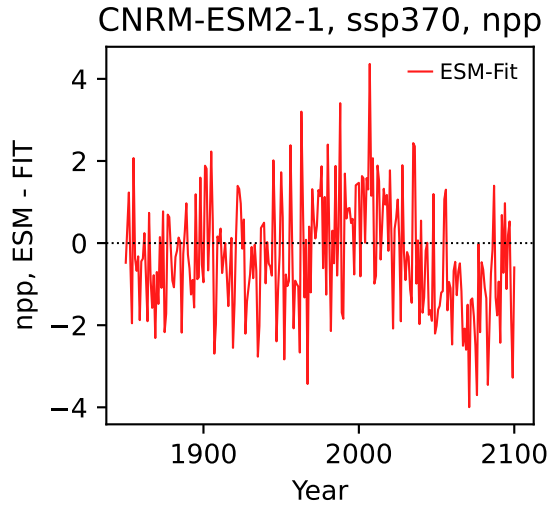

CNRM-ESM2-1, ssp370, sres, ln(MSE/SIGMA)
247, 1.9220, 40.2519, -1.7456, 0.0068, 0.0000, 0.9942, 0.8783, 0.
sres_c_half
sres_c_l
CNRM-ESM2-1
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
8
7
6
5
4
3
2
1
0

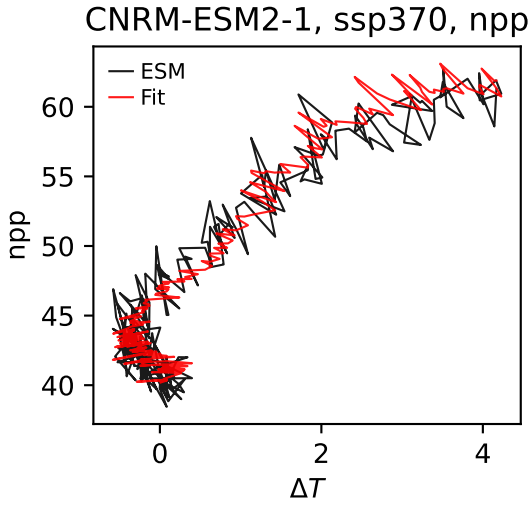

CNRM-ESM2-1, ssp370, sres, ln(MSE/SIGMA)
247, 1.9220, 40.2519, -1.7456, 0.0068, 0.0000, 0.9942, 0.8783, 0.
CNRM-ESM2-1
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.25
9.25
8.25
7.25
6.25
5.25
4.25
3.25

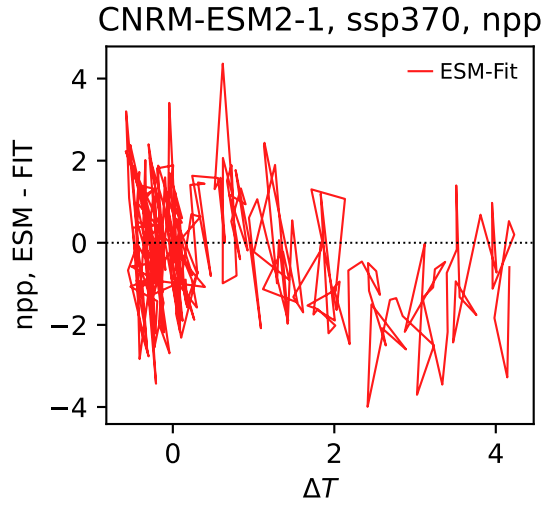

CNRM-ESM2-1, ssp370, sres, ln(MSE/SIGMA)
247, 1.9220, 40.2519, -1.7456, 0.0068, 0.0000, 0.9942, 0.8783, 0.
1e−13+5.423278 21e−1
1.961
1.841
1.721
1.601
1.481
1.361
1.241
1.120
1.000
0.880
CNRM-ESM2-1
0.04
0.02
0.00
−0.02
−0.04
sres_c_tan2
−0.04
−0.02
0.00
0.02
0.04
sres_c_tan

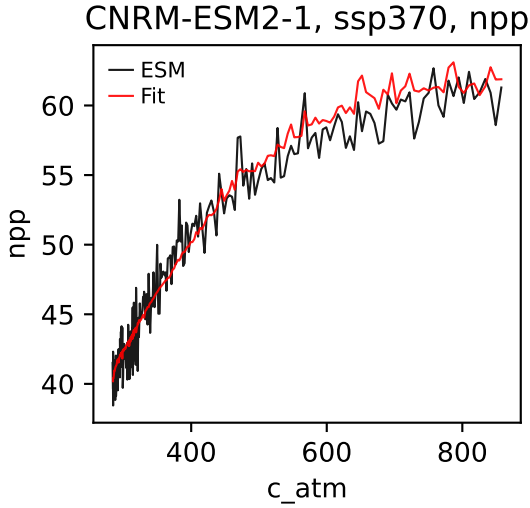

CNRM-ESM2-1, ssp370, sres, ln(MSE/SIGMA)
247, 1.9220, 40.2519, -1.7456, 0.0068, 0.0000, 0.9942, 0.8783, 0.
1e−13+5.423278216e+1
1.961
1.841
1.721
1.601
1.481
1.361
1.241
1.120
1.000
0.880
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
sres_slow
0.90
0.92
0.94
0.96
0.98
1.00
sres_fast

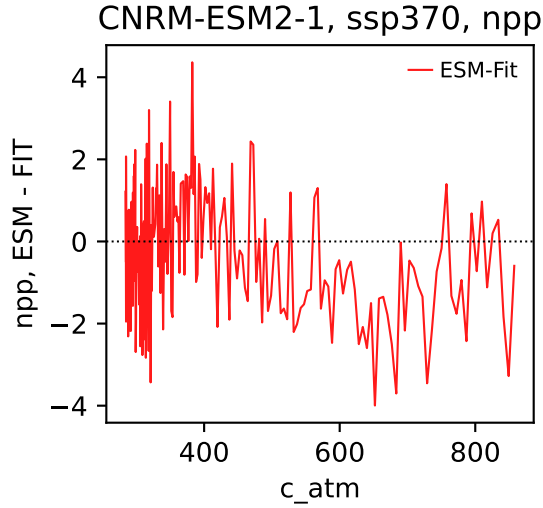

CNRM-ESM2-1, ssp370, npp
ESM
Fit
npp
Year

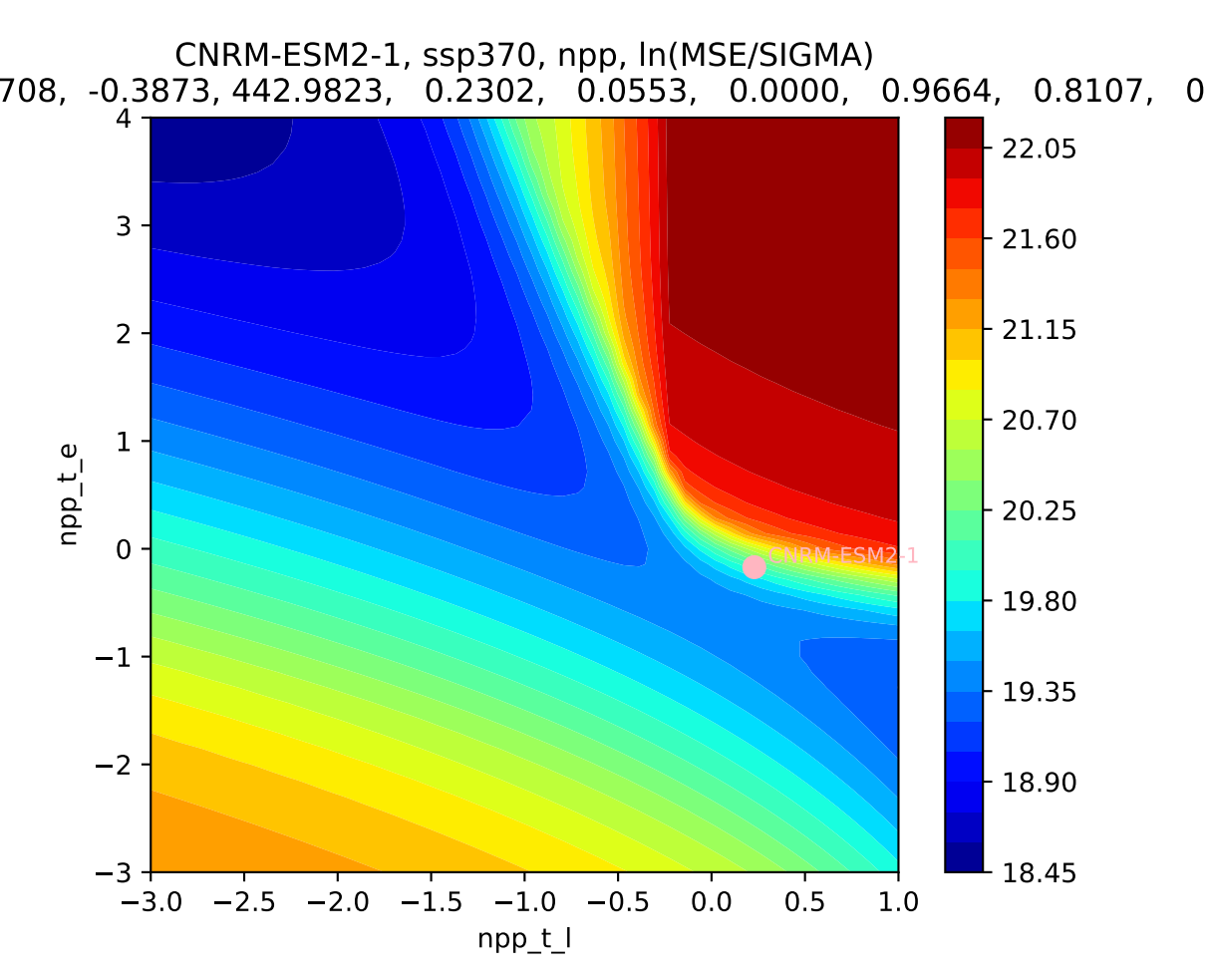

CNRM-ESM2-1, ssp370, npp
ESM-Fit
npp, ESM - FIT
Year

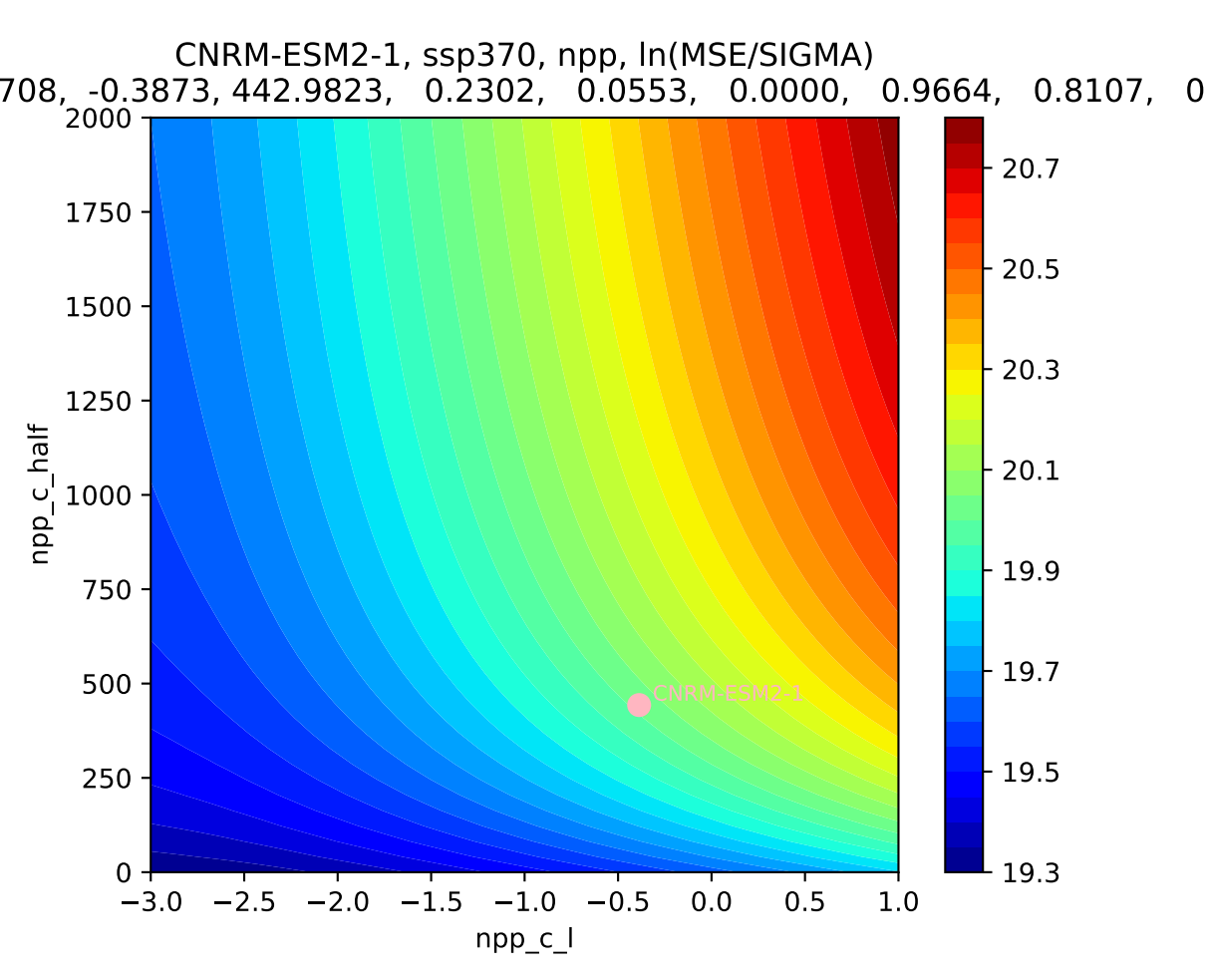

CNRM-ESM2-1, ssp370, npp
ESM
Fit
npp
ΔT

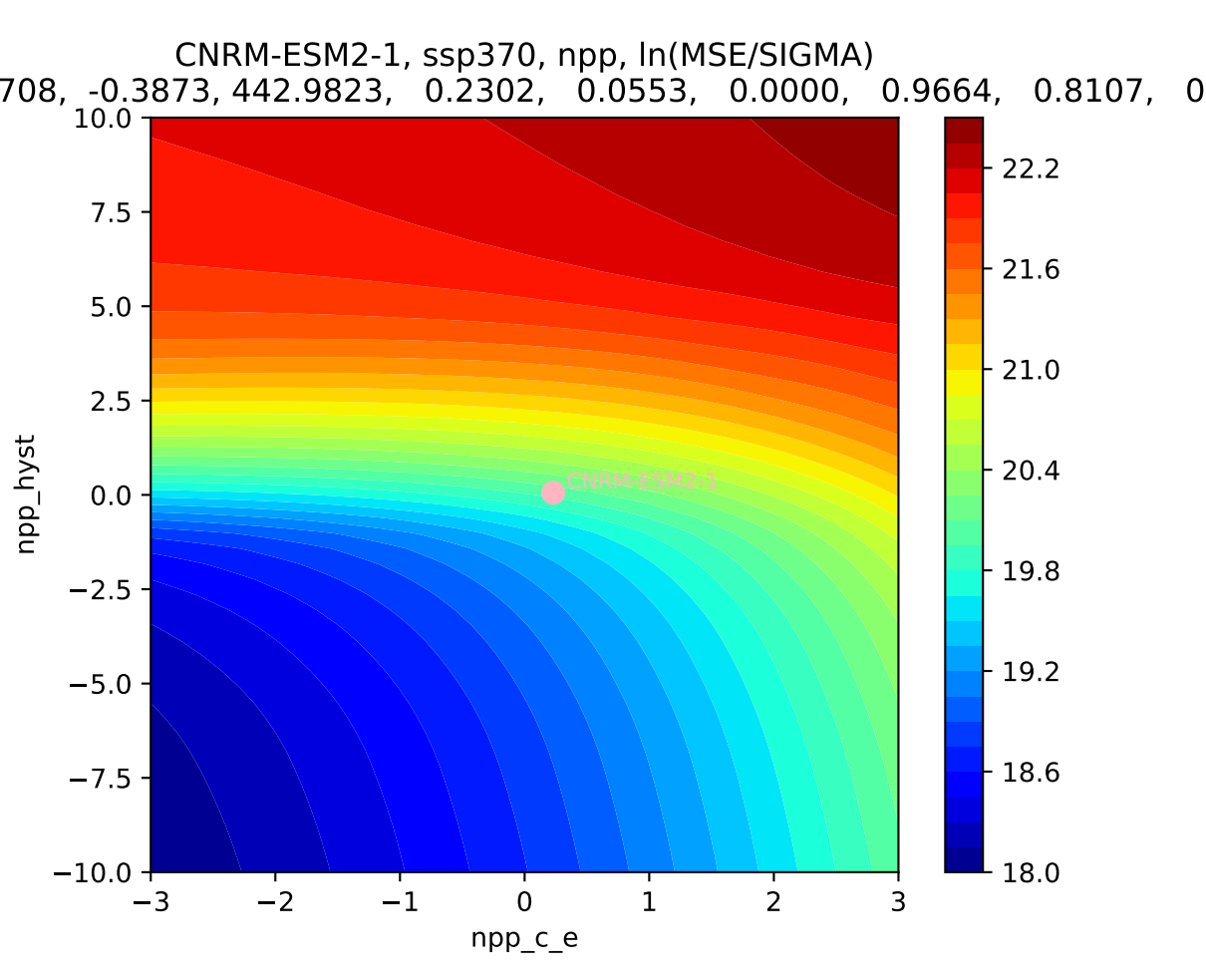

CNRM-ESM2-1, ssp370, npp
ESM-Fit
npp, ESM - FIT
ΔT

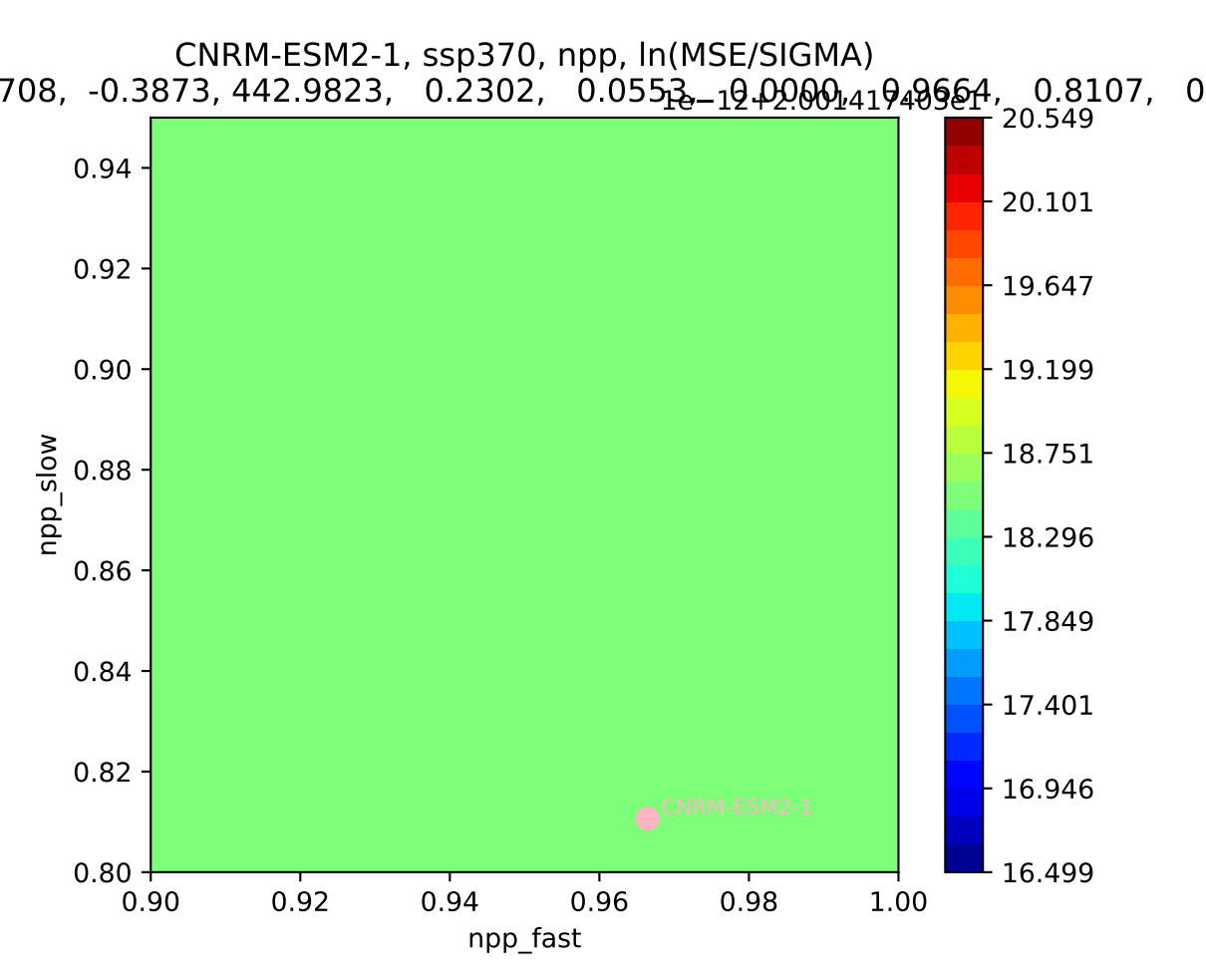

CNRM-ESM2-1, ssp370, npp
ESM
Fit
npp
c_atm

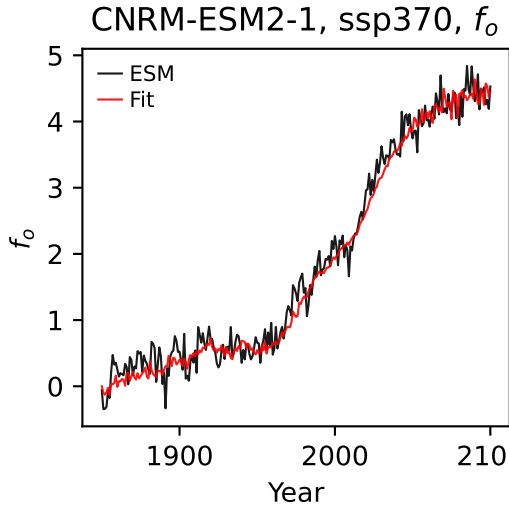

CNRM-ESM2-1, ssp370, npp
ESM-Fit
npp, ESM - FIT
c_atm

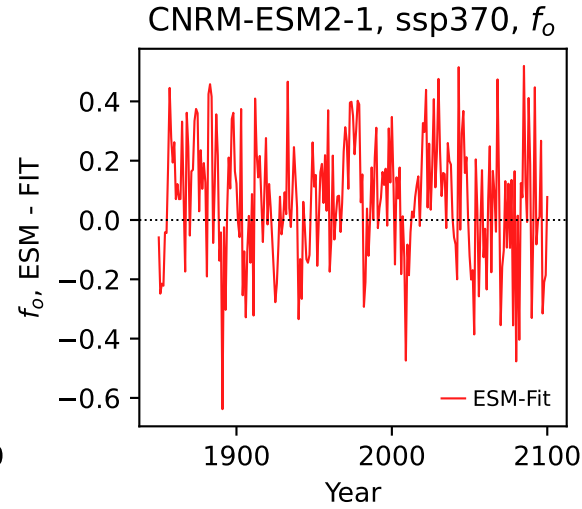

CNRM-ESM2-1, ssp370, npp, ln(MSE/SIGMA)
708, -0.3873, 442.9823, 0.2302, 0.0553, 0.0000, 0.9664, 0.8107, 0
CNRM-ESM2-1
npp_t_e
npp_t_l
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
22.05
21.60
21.15
20.70
20.25
19.80
19.35
18.90
18.45

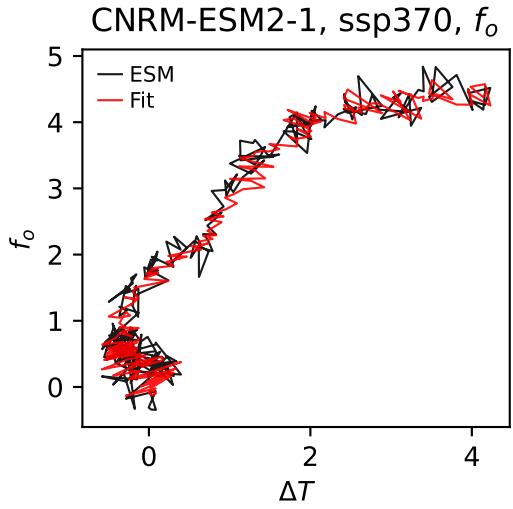

CNRM-ESM2-1, ssp370, npp, ln(MSE/SIGMA)
708, -0.3873, 442.9823, 0.2302, 0.0553, 0.0000, 0.9664, 0.8107, 0
2000
1750
1500
1250
1000
750
500
250
0
npp_c_half
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
npp_c_l
CNRM-ESM2-1
20.7
20.5
20.3
20.1
19.9
19.7
19.5
19.3

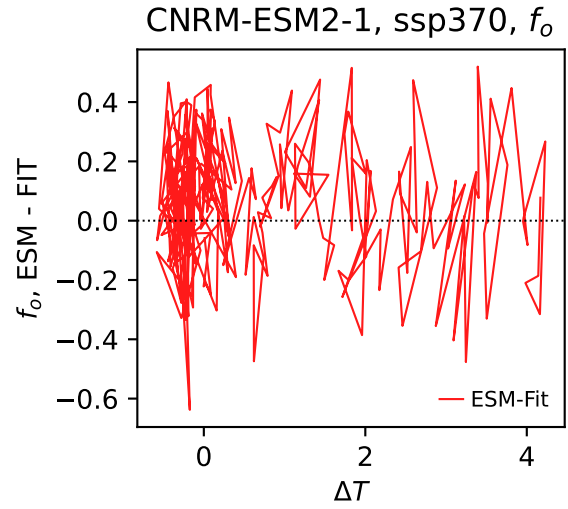

CNRM-ESM2-1, ssp370, npp, ln(MSE/SIGMA)
708, -0.3873, 442.9823, 0.2302, 0.0553, 0.0000, 0.9664, 0.8107, 0
CNRM-ESM2-1
npp_hyst
npp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.2
21.6
21.0
20.4
19.8
19.2
18.6
18.0

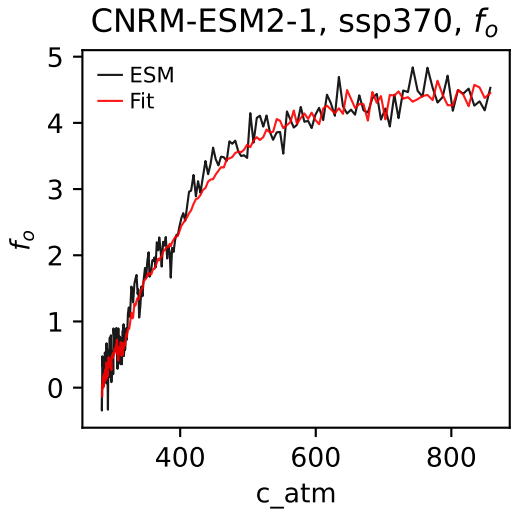

CNRM-ESM2-1, ssp370, npp, ln(MSE/SIGMA)
708, -0.3873, 442.9823, 0.2302, 0.0553, 0.0000, 0.9664, 0.8107, 0
1e−12+2.001417405e1
20.549
20.101
19.647
19.199
18.751
18.296
17.849
17.401
16.946
16.499
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
npp_slow
CNRM-ESM2-1
0.90
0.92
0.94
0.96
0.98
1.00
npp_fast

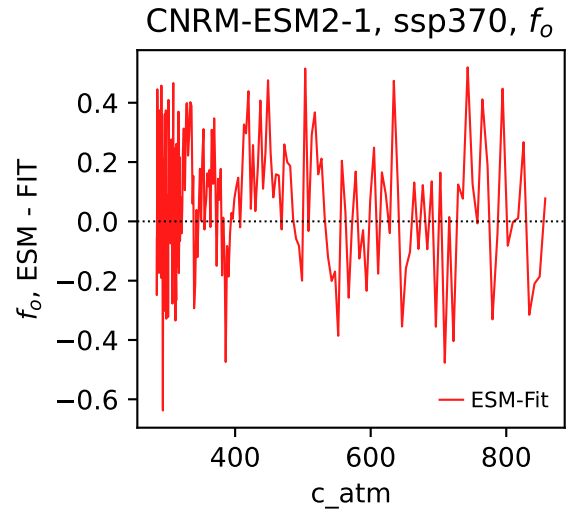

CNRM-ESM2-1, ssp370, f_o
ESM
Fit
f_o
Year

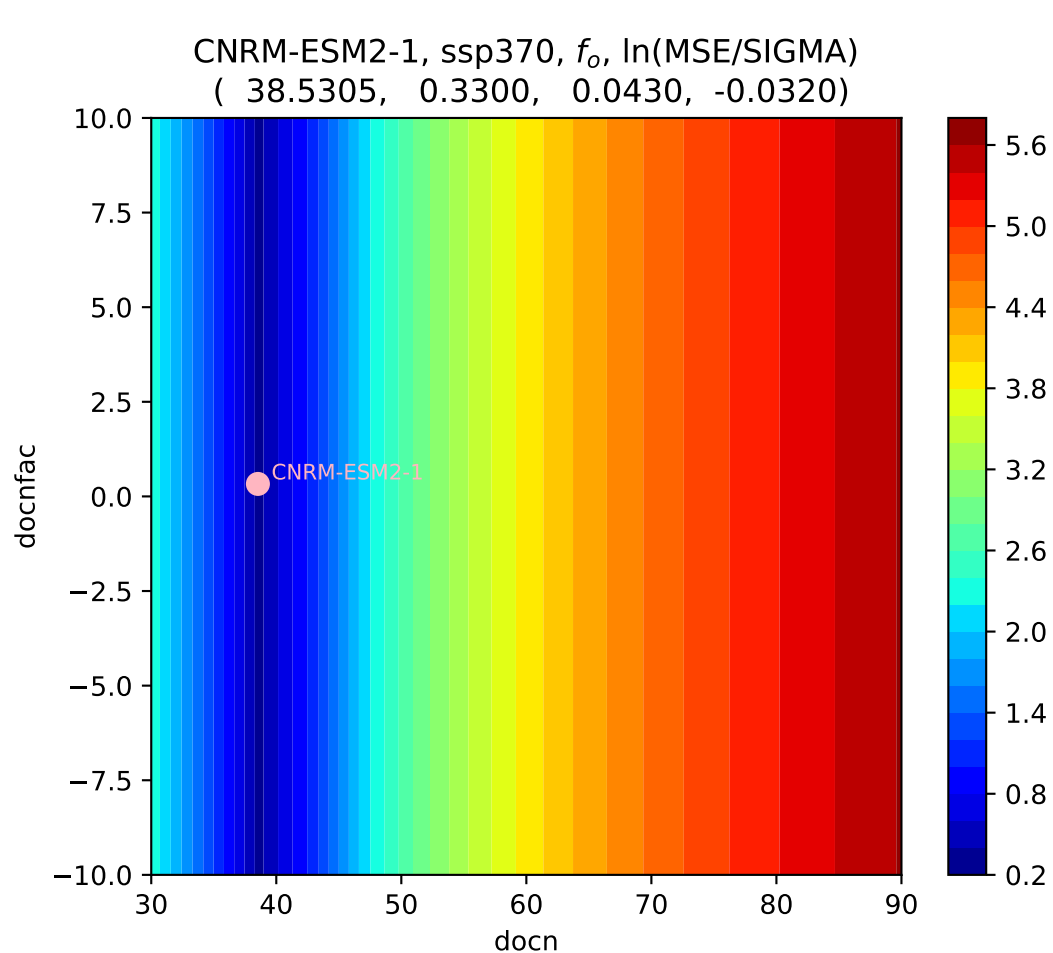

CNRM-ESM2-1, ssp370, f_o
f_o, ESM - FIT
ESM-Fit
Year

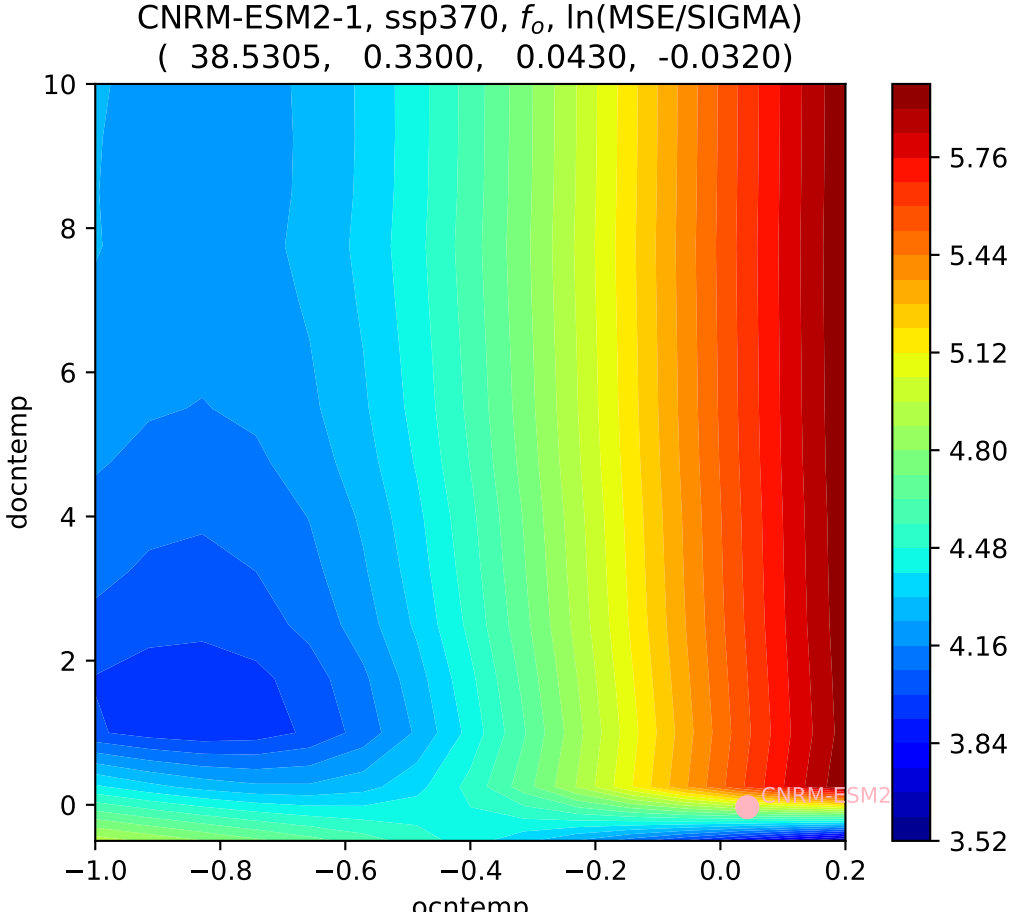

CNRM-ESM2-1, ssp370, f_o
ESM
Fit
f_o
ΔT


CNRM-ESM2-1, ssp370, f_o
f_o, ESM - FIT
ESM-Fit
ΔT


CNRM-ESM2-1, ssp370, f_o
ESM
Fit
f_o
c_atm


CNRM-ESM2-1, ssp370, f_o
f_o, ESM - FIT
ESM-Fit
c_atm


CNRM-ESM2-1, ssp370, f_o, ln(MSE/SIGMA)
(38.5305, 0.3300, 0.0430, -0.0320)
CNRM-ESM2-1
docnfac
docn
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
30
40
50
60
70
80
90
5.6
5.0
4.4
3.8
3.2
2.6
2.0
1.4
0.8
0.2


CNRM-ESM2-1, ssp370, f_o, ln(MSE/SIGMA)
(38.5305, 0.3300, 0.0430, -0.0320)
docntemp
ocntemp
10
8
6
4
2
0
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
5.76
5.44
5.12
4.80
4.48
4.16
3.84
3.52
CNRM-ESM2