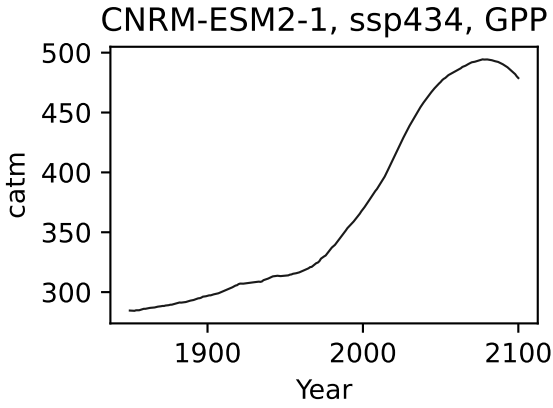
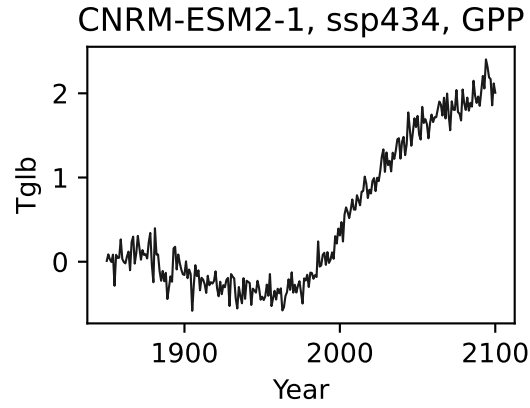
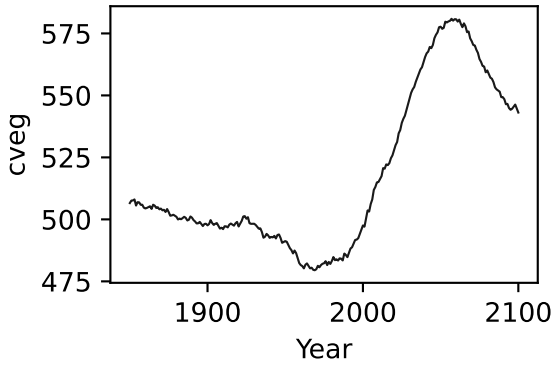
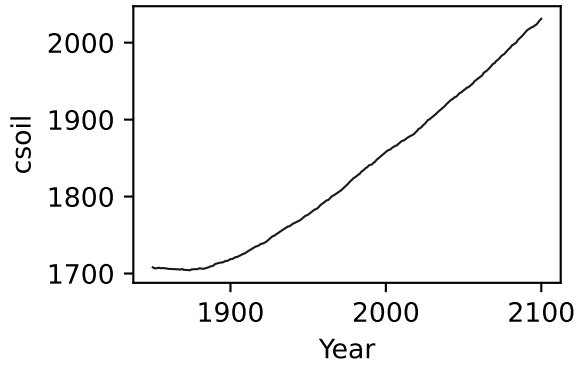
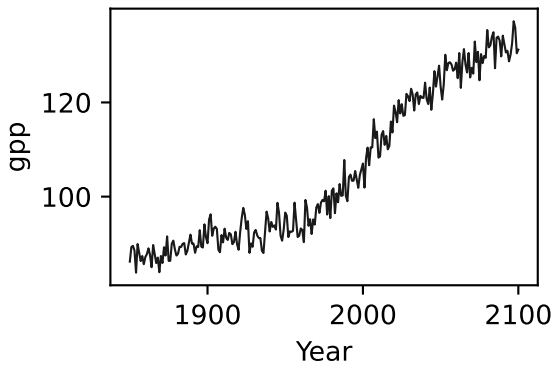
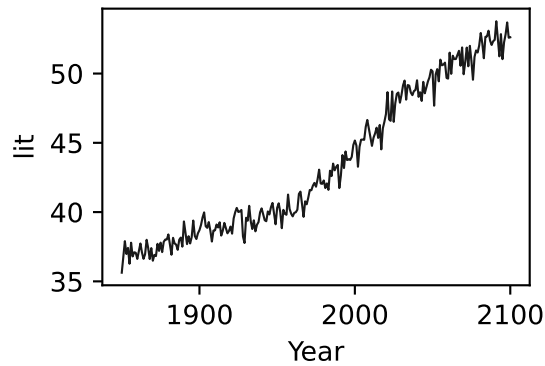

CNRM-ESM2-1, ssp434, GPP
catm
500
450
400
350
300
1900
2000
2100
Year

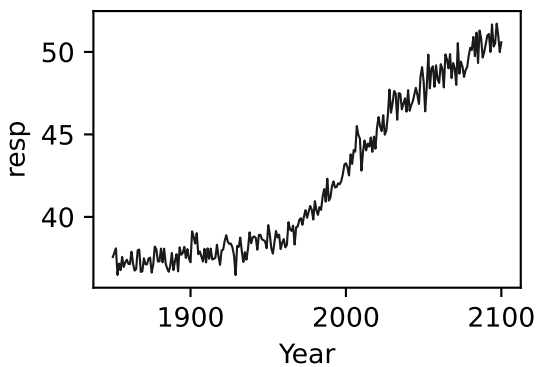

CNRM-ESM2-1, ssp434, GPP
Tglb
2
1
0
1900
2000
2100
Year

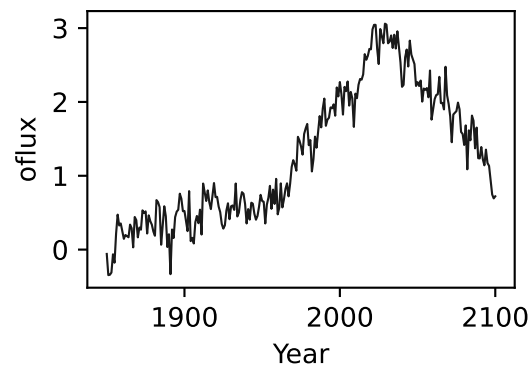

cveg
575
550
525
500
475
1900
2000
2100
Year

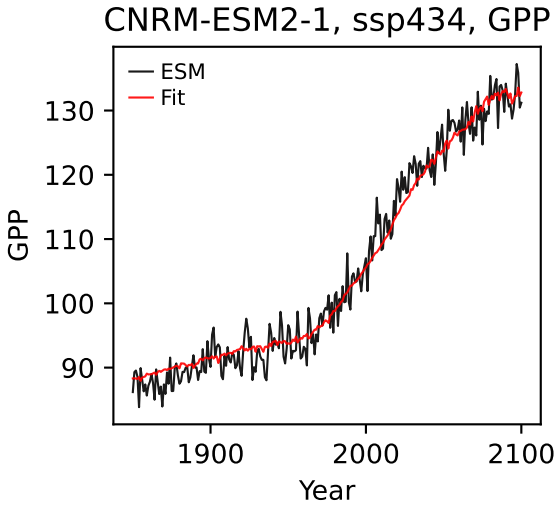

csoil
2000
1900
1800
1700
1900
2000
2100
Year

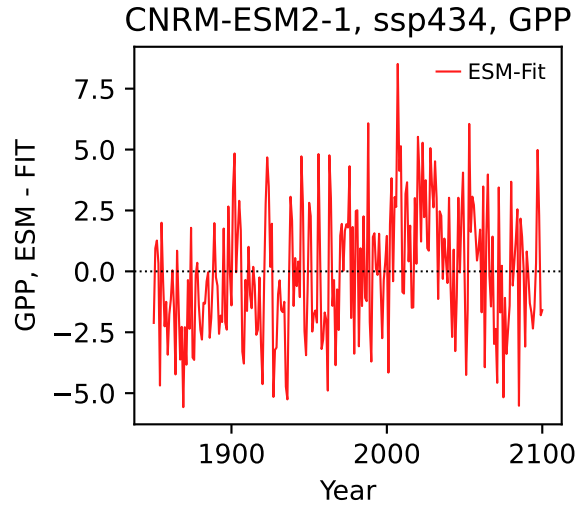

gpp
120
100
1900
2000
2100
Year

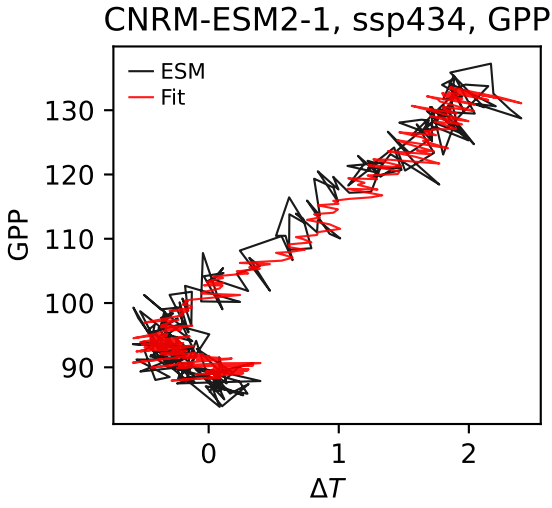

lit
50
45
40
35
1900
2000
2100
Year

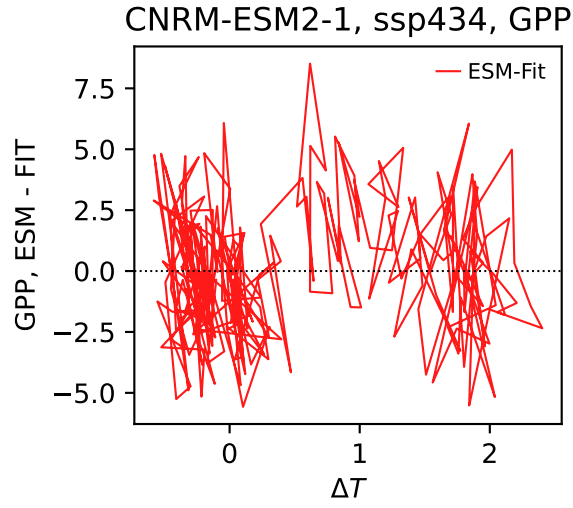

resp
50
45
40
1900
2000
2100
Year

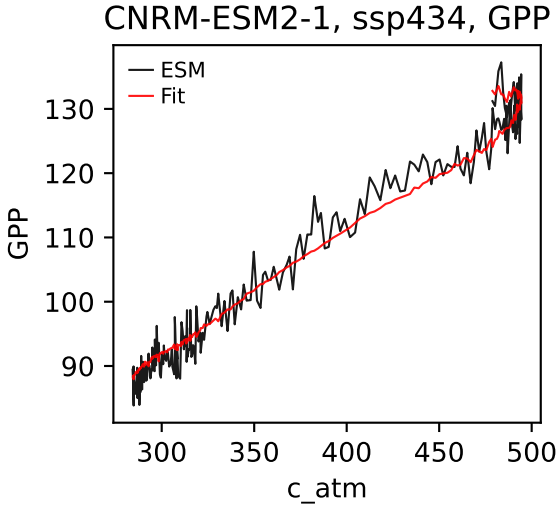

oflux
3
2
1
0
1900
2000
2100
Year

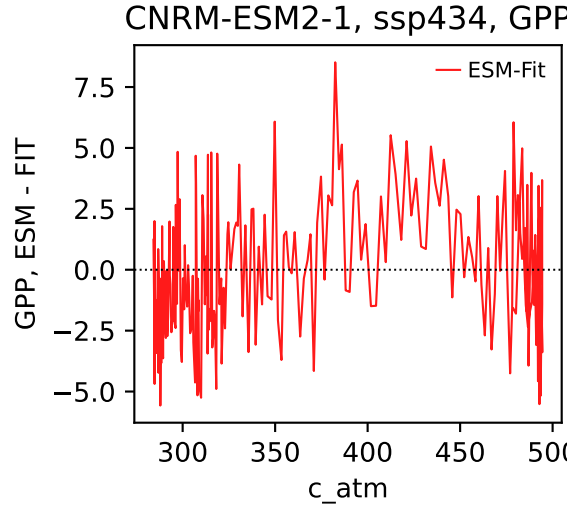

CNRM-ESM2-1, ssp434, GPP
ESM
Fit
GPP
Year

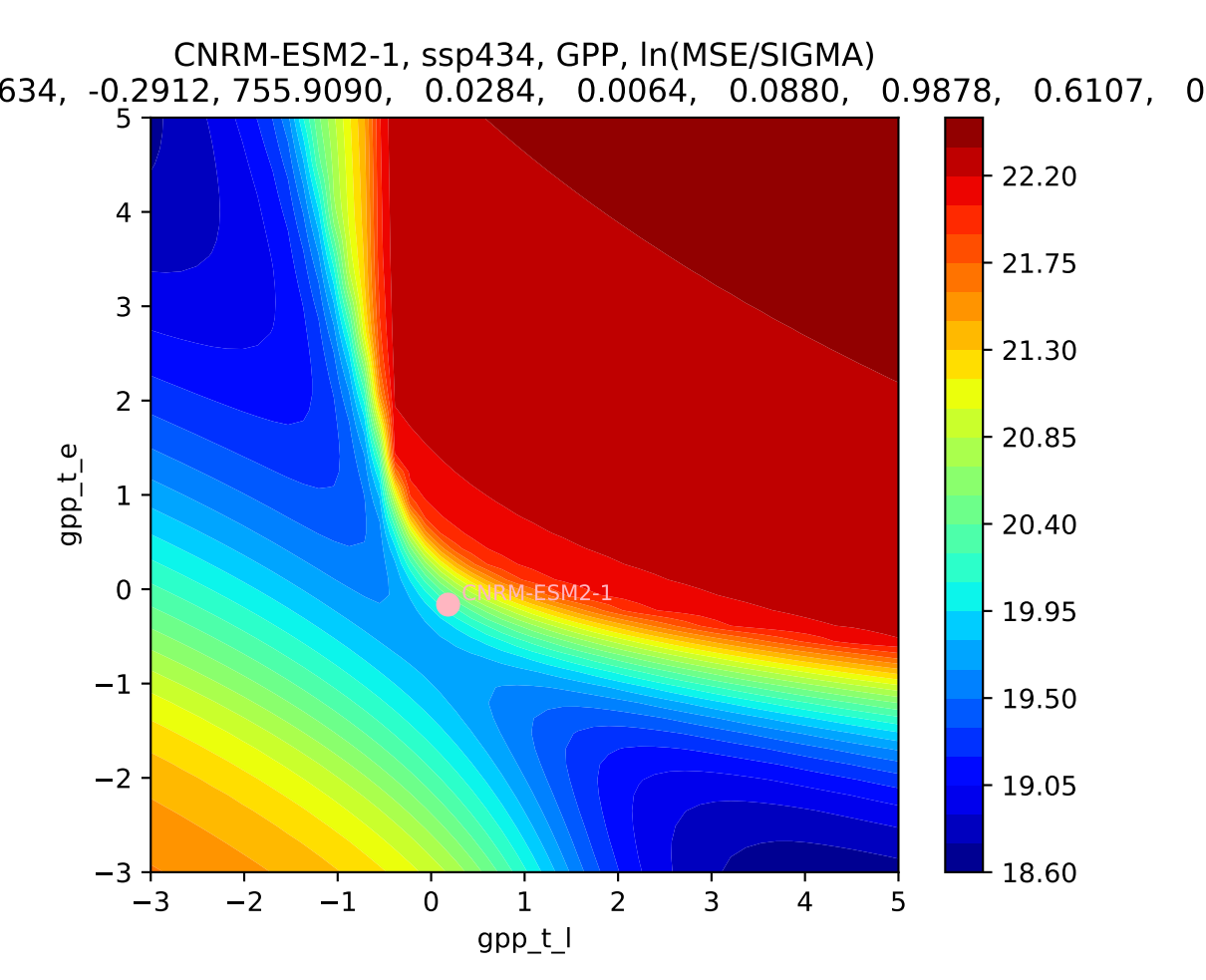

CNRM-ESM2-1, ssp434, GPP
ESM-Fit
GPP, ESM - FIT
Year

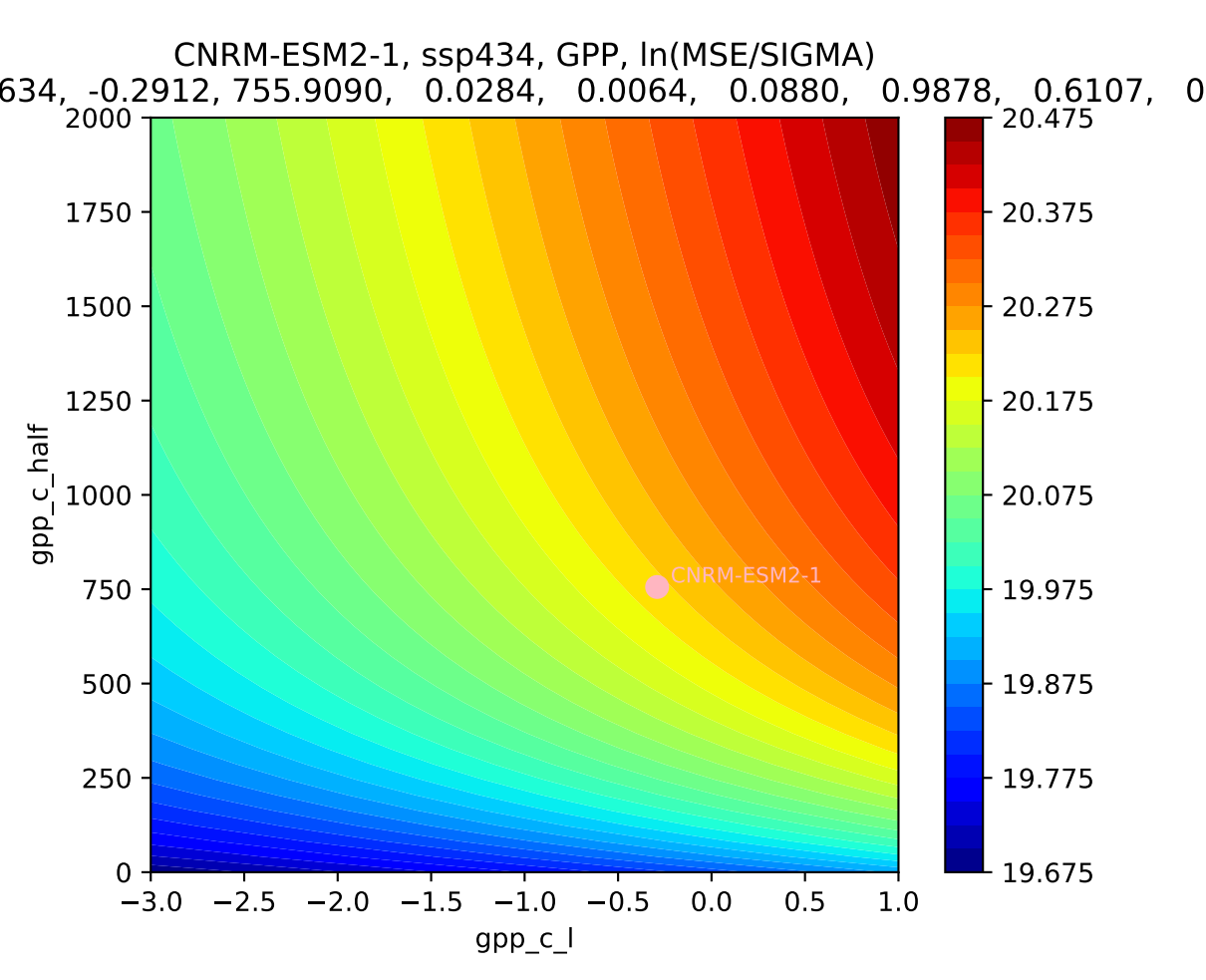

CNRM-ESM2-1, ssp434, GPP
ESM
Fit
GPP
ΔT

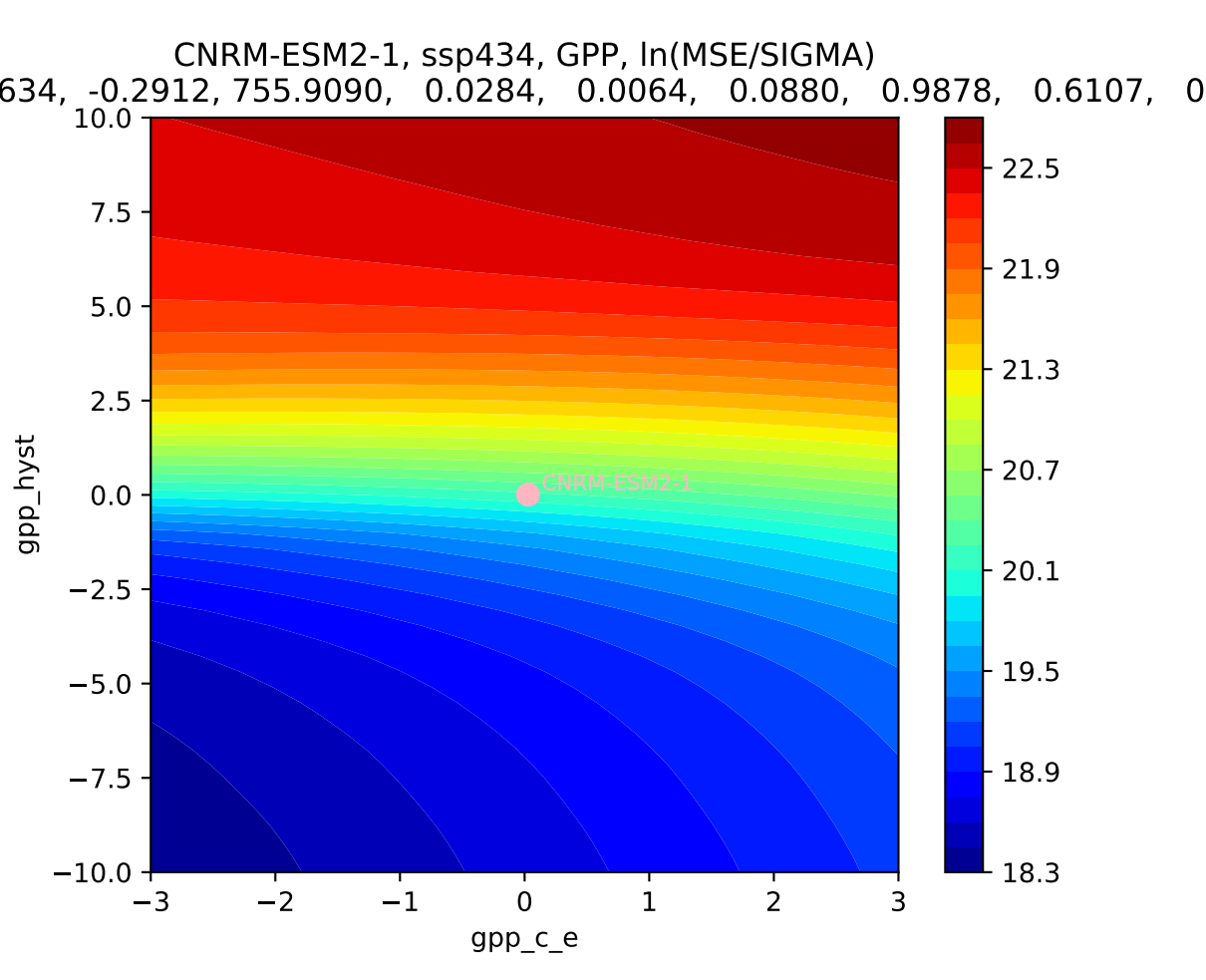

CNRM-ESM2-1, ssp434, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

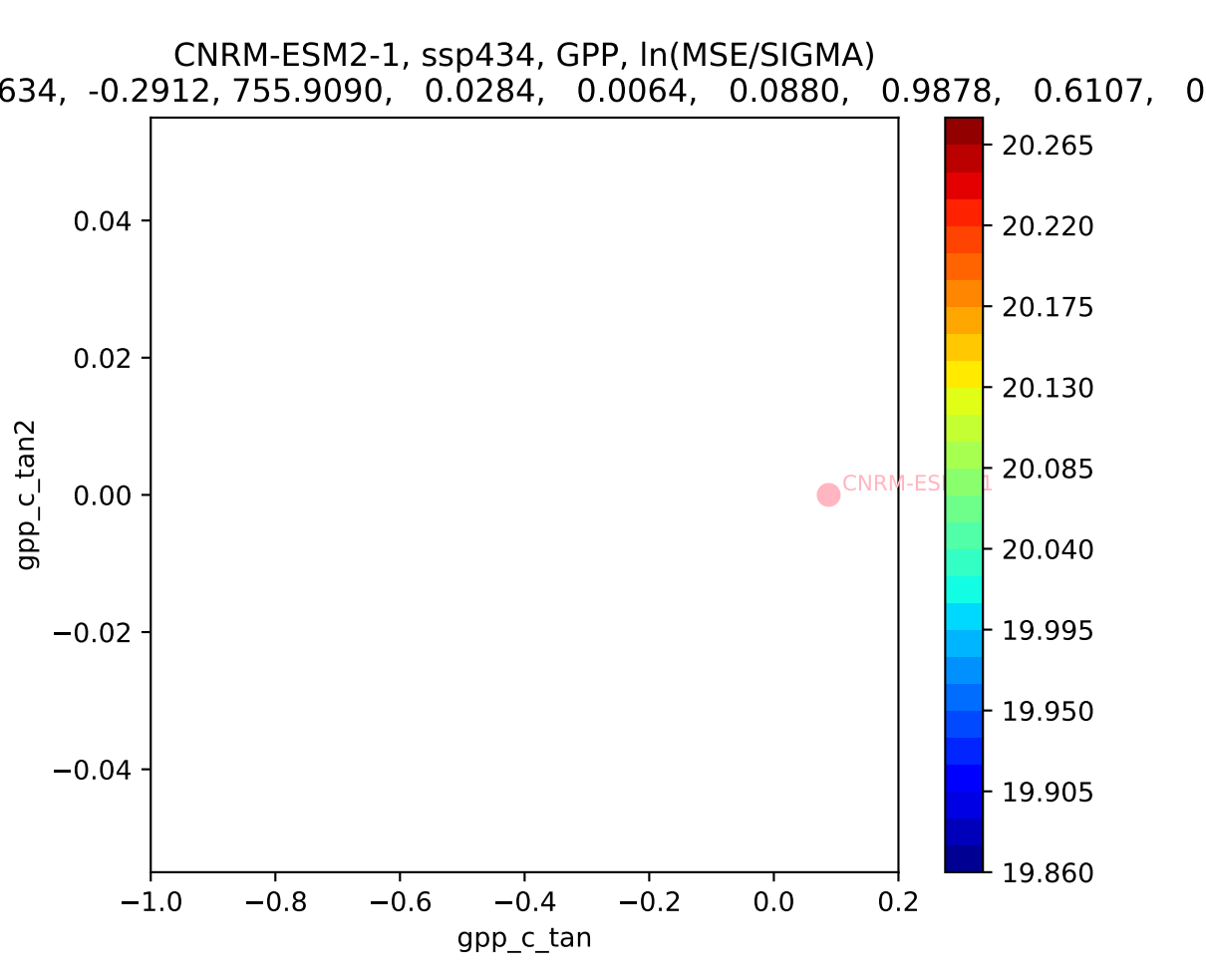

CNRM-ESM2-1, ssp434, GPP
ESM
Fit
GPP
c_atm

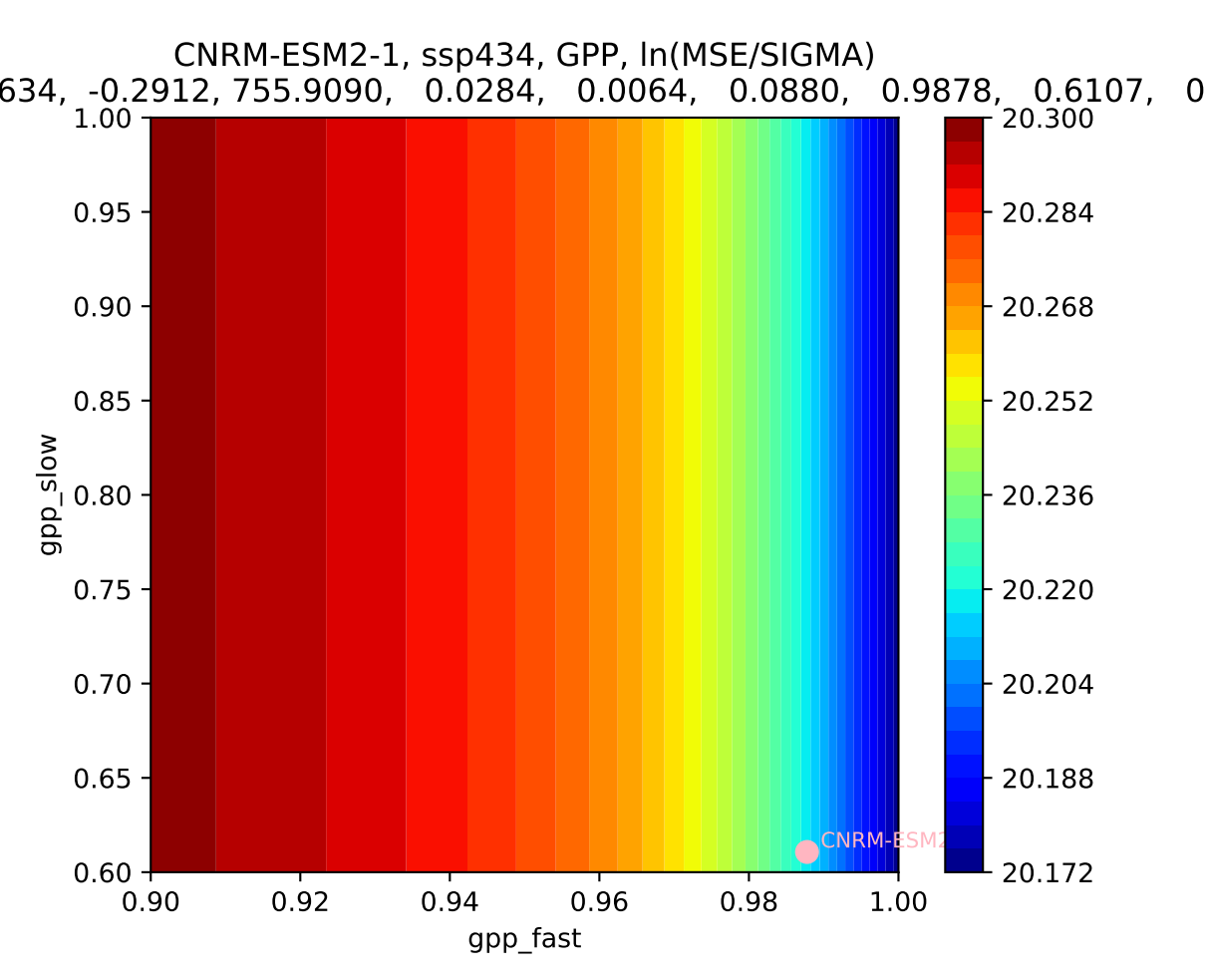

CNRM-ESM2-1, ssp434, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

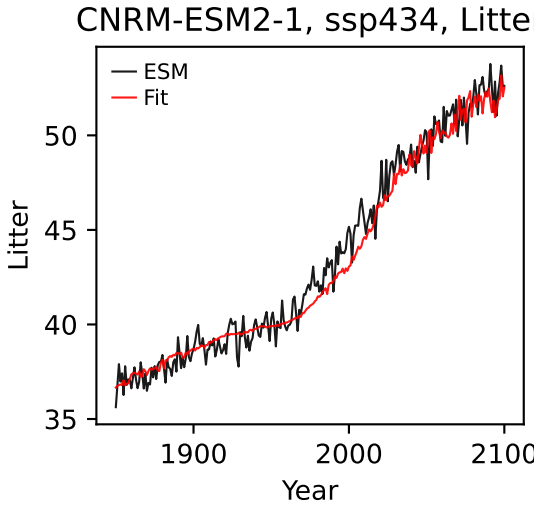

CNRM-ESM2-1, ssp434, GPP, ln(MSE/SIGMA)
634, -0.2912, 755.9090, 0.0284, 0.0064, 0.0880, 0.9878, 0.6107, 0
CNRM-ESM2-1
gpp_t_e
gpp_t_l
22.20
21.75
21.30
20.85
20.40
19.95
19.50
19.05
18.60

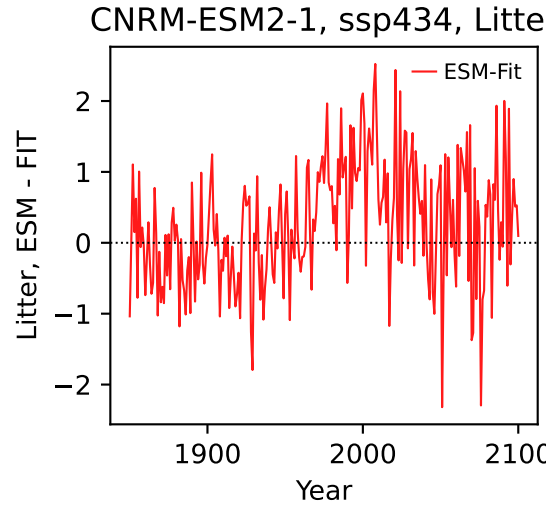

CNRM-ESM2-1, ssp434, GPP, ln(MSE/SIGMA)
634, -0.2912, 755.9090, 0.0284, 0.0064, 0.0880, 0.9878, 0.6107, 0
gpp_c_half
gpp_c_l
CNRM-ESM2-1
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
20.475
20.375
20.275
20.175
20.075
19.975
19.875
19.775
19.675

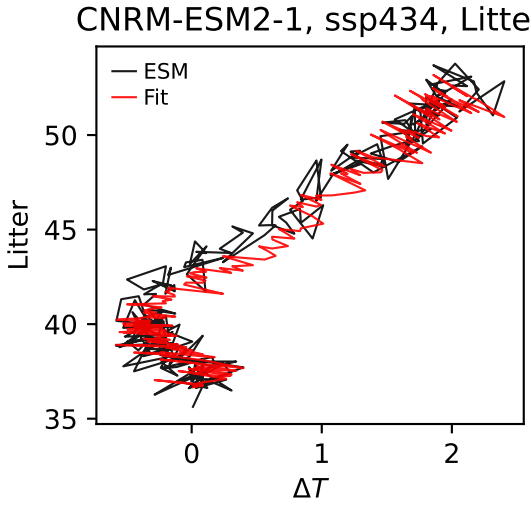

CNRM-ESM2-1, ssp434, GPP, ln(MSE/SIGMA)
634, -0.2912, 755.9090, 0.0284, 0.0064, 0.0880, 0.9878, 0.6107, 0
CNRM-ESM2-1
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.5
21.9
21.3
20.7
20.1
19.5
18.9
18.3

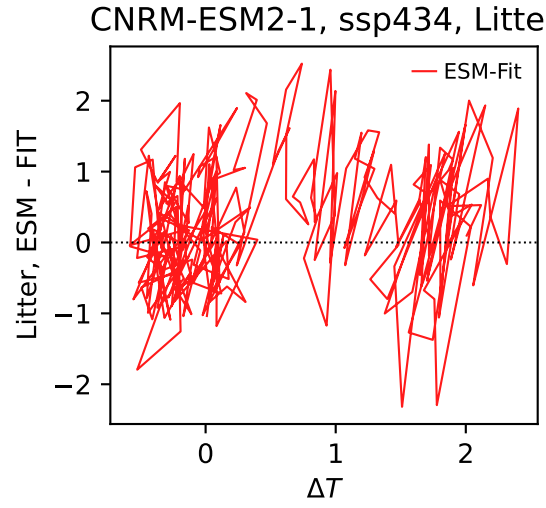

CNRM-ESM2-1, ssp434, GPP, ln(MSE/SIGMA)
634, -0.2912, 755.9090, 0.0284, 0.0064, 0.0880, 0.9878, 0.6107, 0
gpp_c_tan2
gpp_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
20.265
20.220
20.175
20.130
20.085
20.040
19.995
19.950
19.905
19.860

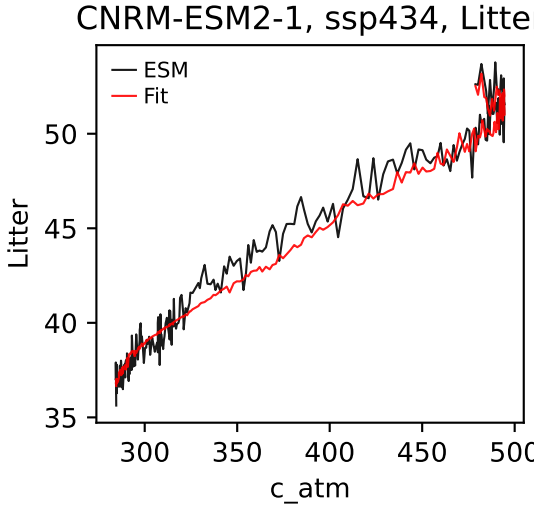

CNRM-ESM2-1, ssp434, GPP, ln(MSE/SIGMA)
634, -0.2912, 755.9090, 0.0284, 0.0064, 0.0880, 0.9878, 0.6107, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
gpp_slow
0.90
0.92
0.94
0.96
0.98
1.00
gpp_fast
20.300
20.284
20.268
20.252
20.236
20.220
20.204
20.188
20.172
CNRM-ESM2

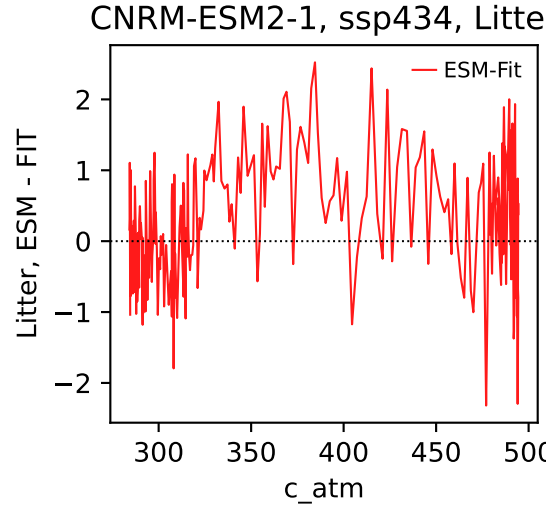

CNRM-ESM2-1, ssp434, Litter
ESM
Fit
Litter
Year

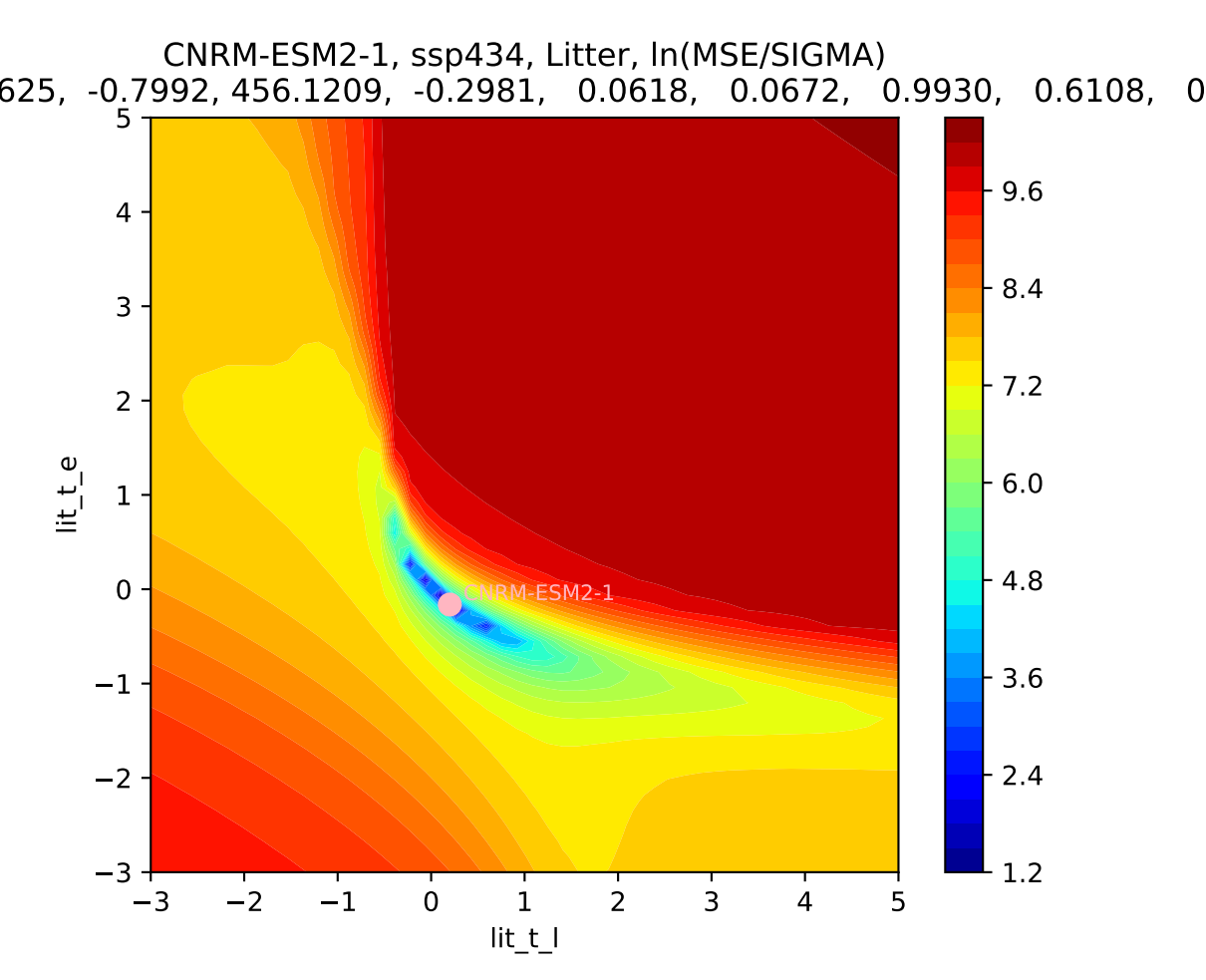

CNRM-ESM2-1, ssp434, Litter
ESM-Fit
Litter, ESM - FIT
Year

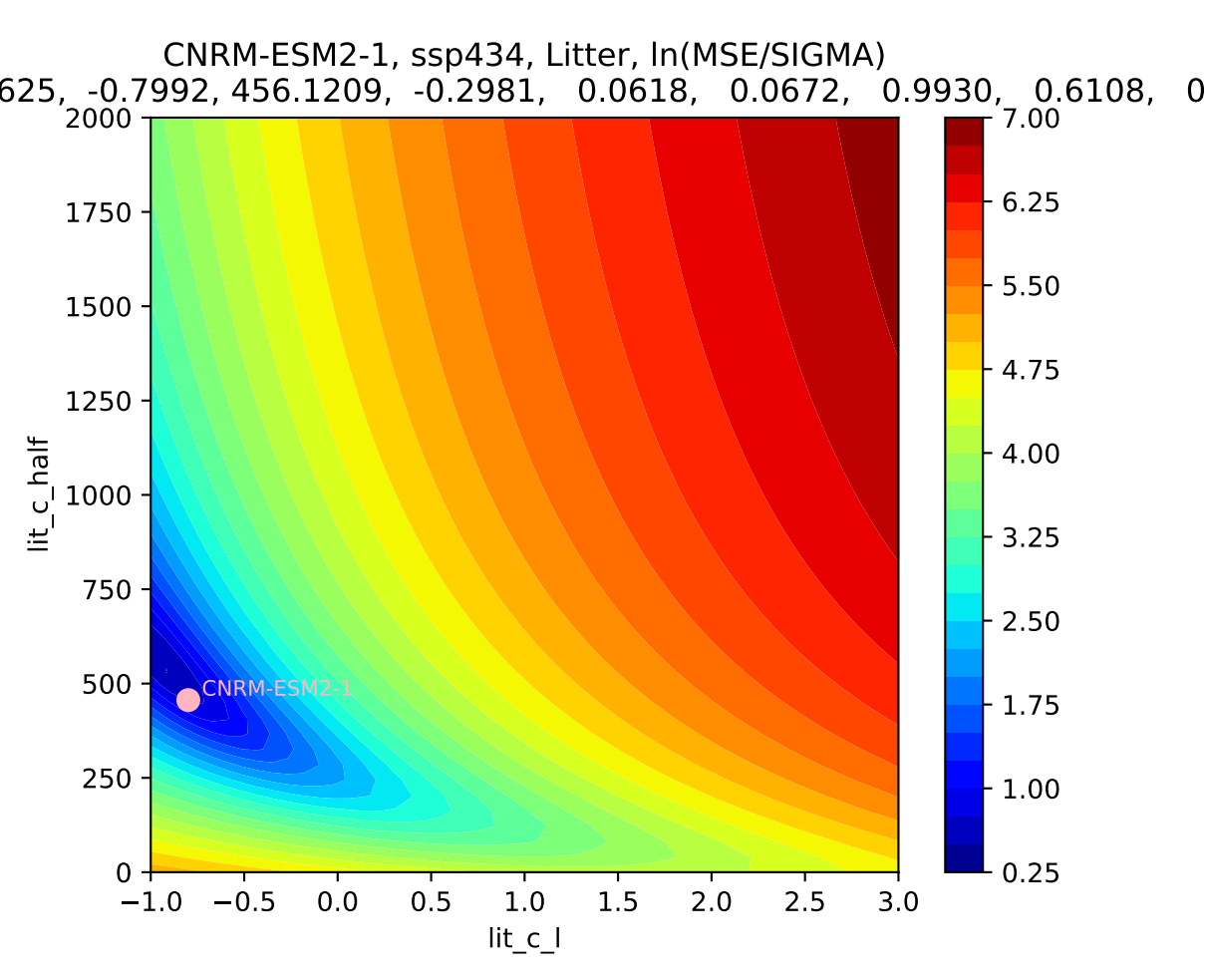

CNRM-ESM2-1, ssp434, Litter
ESM
Fit
Litter
ΔT

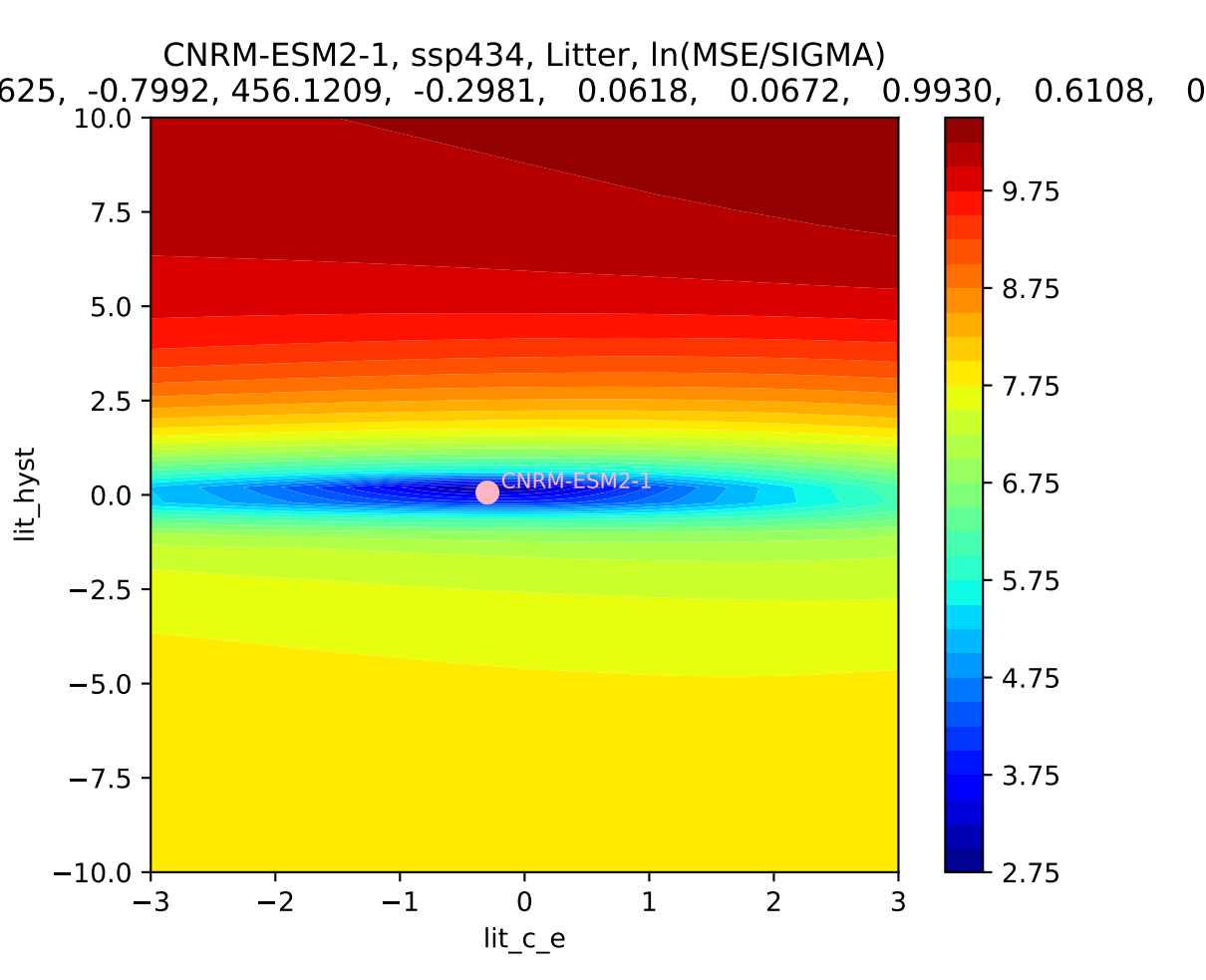

CNRM-ESM2-1, ssp434, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

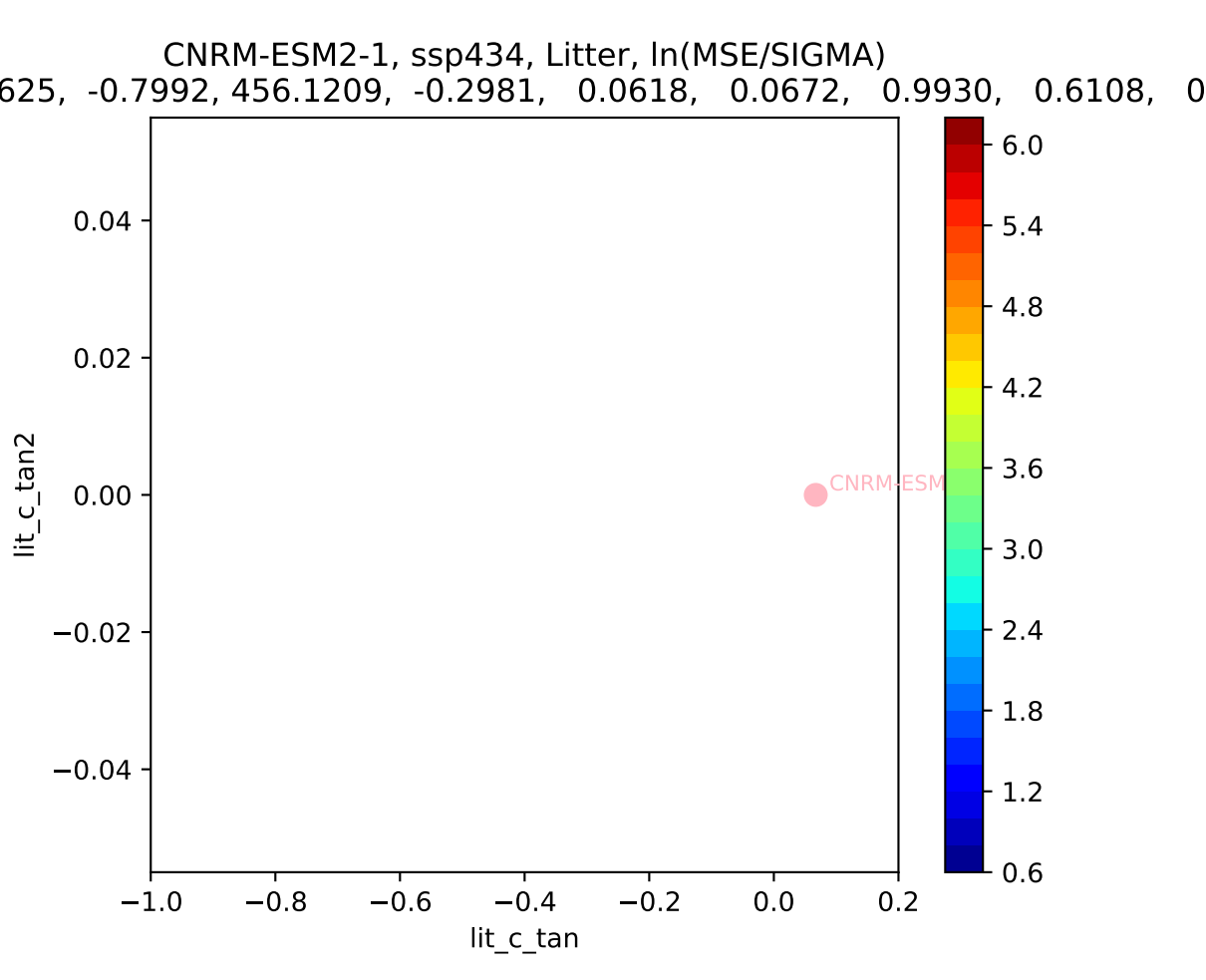

CNRM-ESM2-1, ssp434, Litter
ESM
Fit
Litter
c_atm

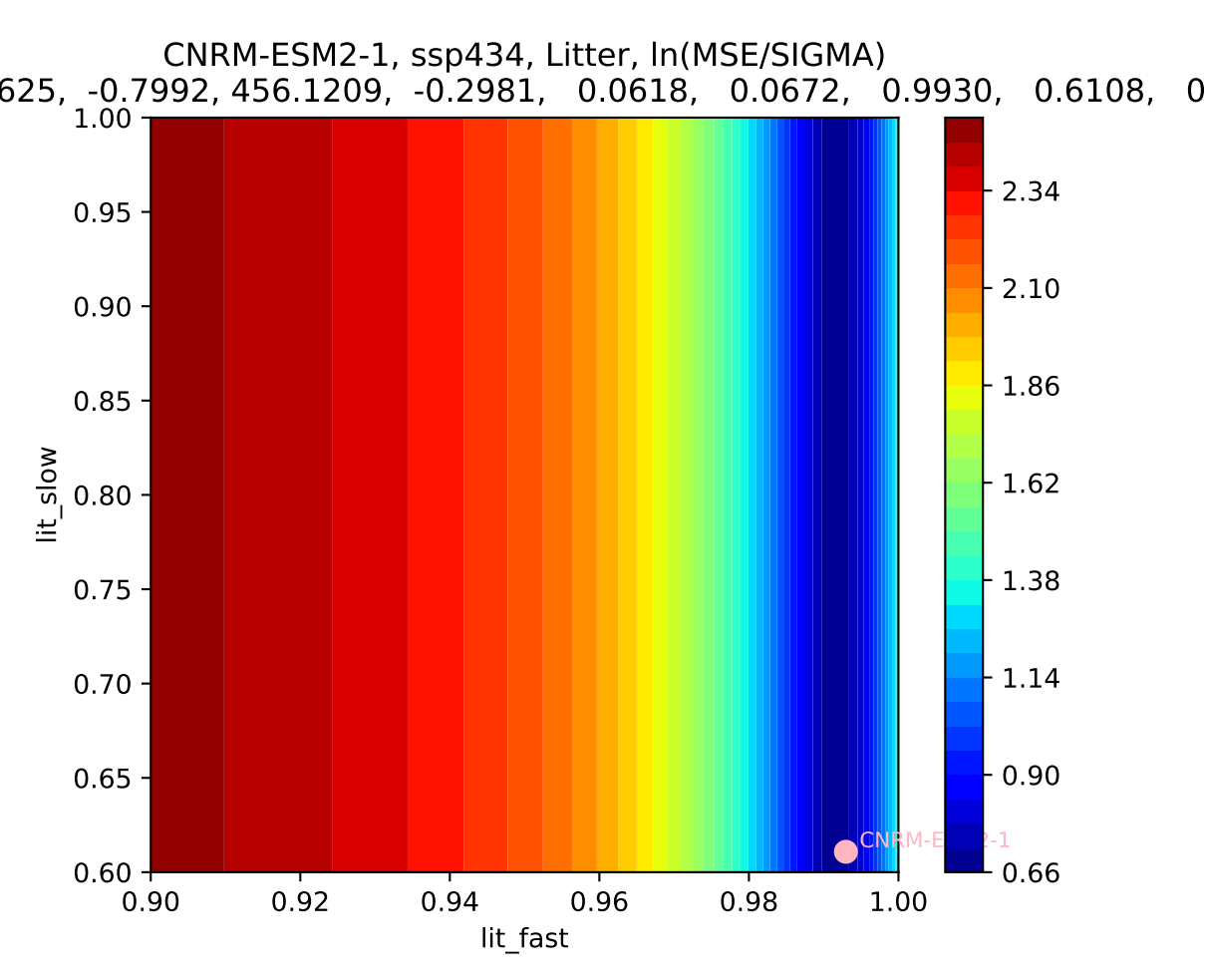

CNRM-ESM2-1, ssp434, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

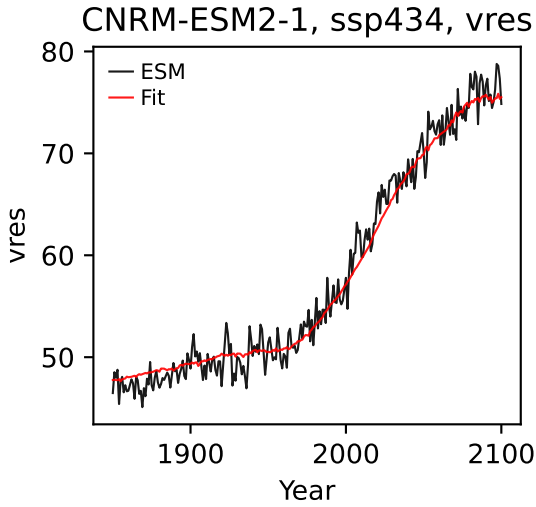

CNRM-ESM2-1, ssp434, Litter, ln(MSE/SIGMA)
625, -0.7992, 456.1209, -0.2981, 0.0618, 0.0672, 0.9930, 0.6108, 0
CNRM-ESM2-1
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

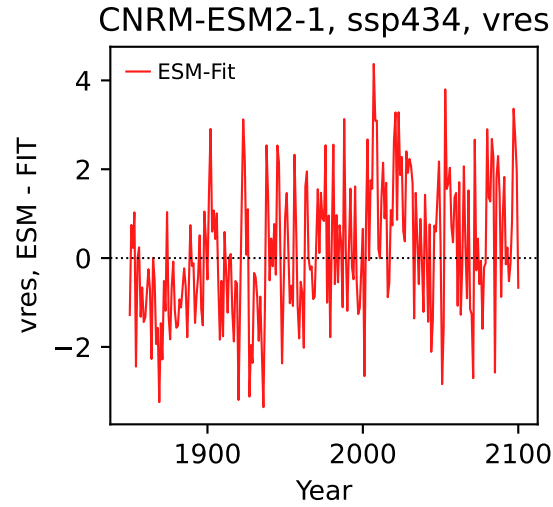

CNRM-ESM2-1, ssp434, Litter, ln(MSE/SIGMA)
625, -0.7992, 456.1209, -0.2981, 0.0618, 0.0672, 0.9930, 0.6108, 0
2000
1750
1500
1250
1000
750
500
250
0
lit_c_half
CNRM-ESM2-1
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
lit_c_l
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00
0.25

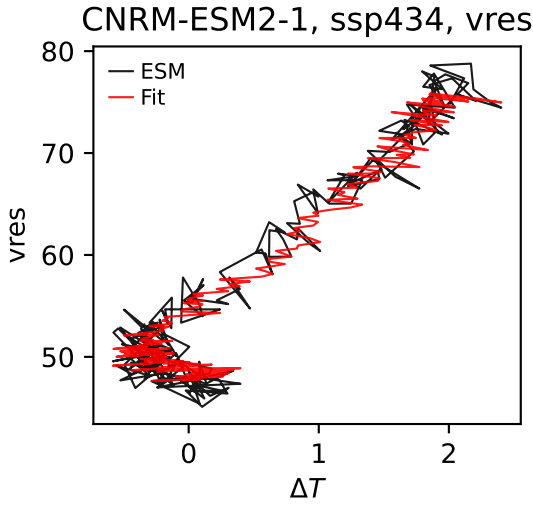

CNRM-ESM2-1, ssp434, Litter, ln(MSE/SIGMA)
625, -0.7992, 456.1209, -0.2981, 0.0618, 0.0672, 0.9930, 0.6108, 0
CNRM-ESM2-1
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
9.75
8.75
7.75
6.75
5.75
4.75
3.75
2.75

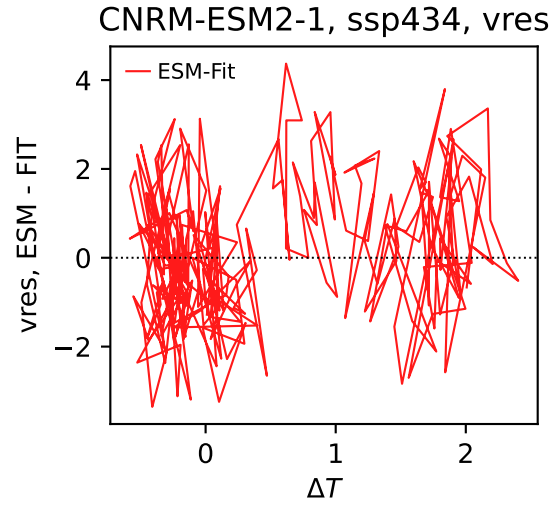

CNRM-ESM2-1, ssp434, Litter, ln(MSE/SIGMA)
625, -0.7992, 456.1209, -0.2981, 0.0618, 0.0672, 0.9930, 0.6108, 0
0.04
0.02
0.00
−0.02
−0.04
lit_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
lit_c_tan
6.0
5.4
4.8
4.2
3.6
3.0
2.4
1.8
1.2
0.6

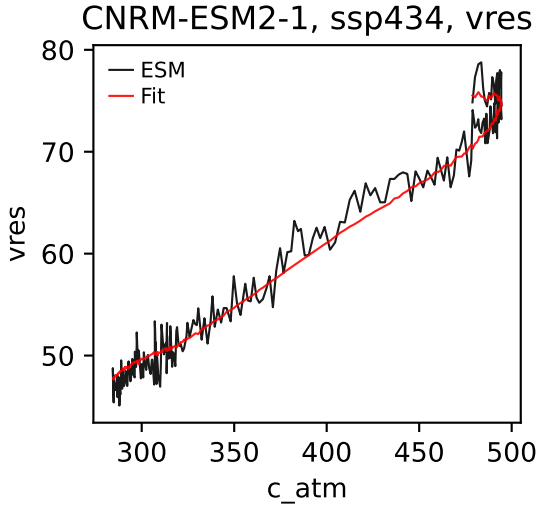

CNRM-ESM2-1, ssp434, Litter, ln(MSE/SIGMA)
625, -0.7992, 456.1209, -0.2981, 0.0618, 0.0672, 0.9930, 0.6108, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
0.90
0.92
0.94
0.96
0.98
1.00
lit_fast
2.34
2.10
1.86
1.62
1.38
1.14
0.90
0.66

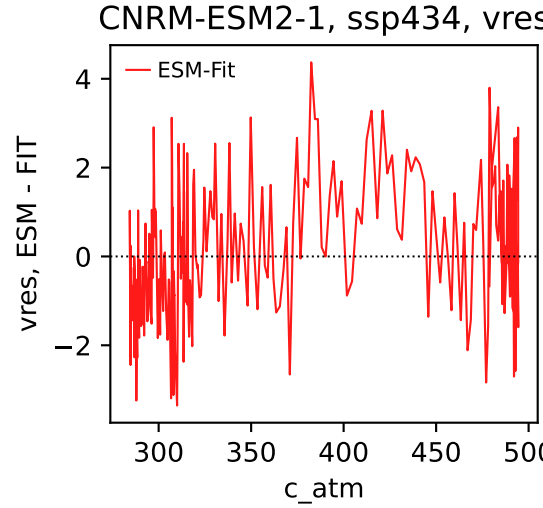

CNRM-ESM2-1, ssp434, vres
ESM
Fit
vres
Year

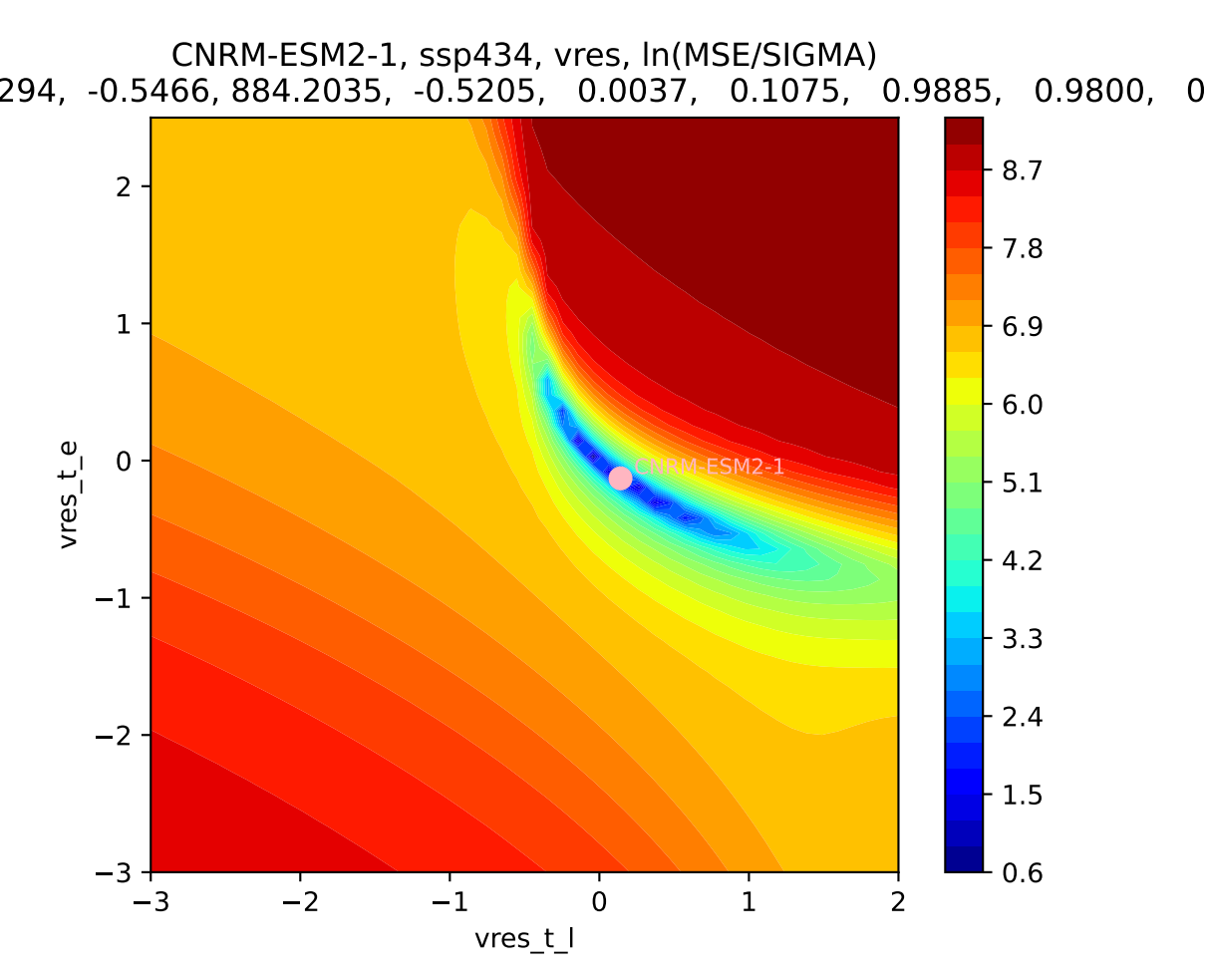

CNRM-ESM2-1, ssp434, vres
ESM-Fit
vres, ESM - FIT
Year

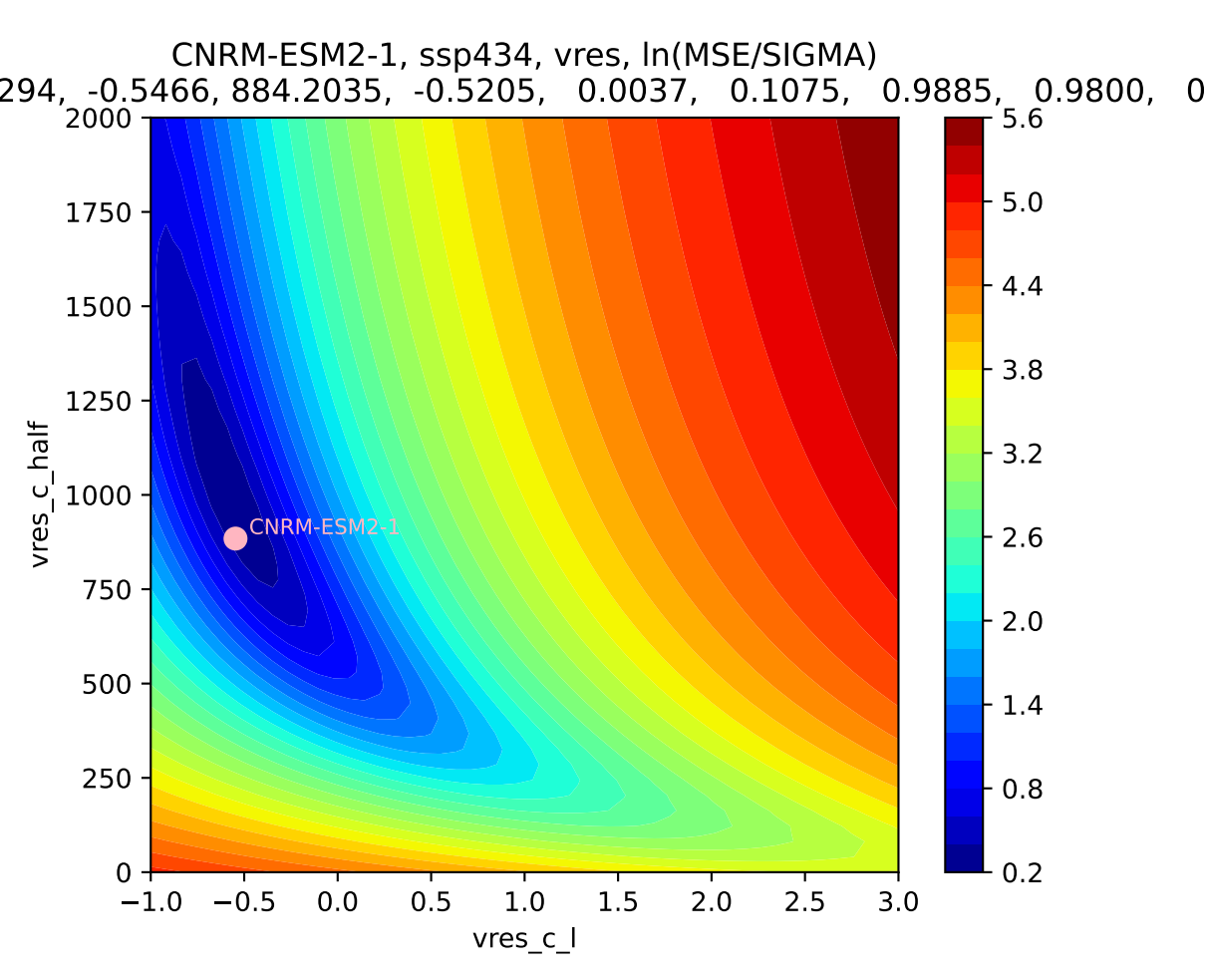

CNRM-ESM2-1, ssp434, vres
ESM
Fit
vres
ΔT

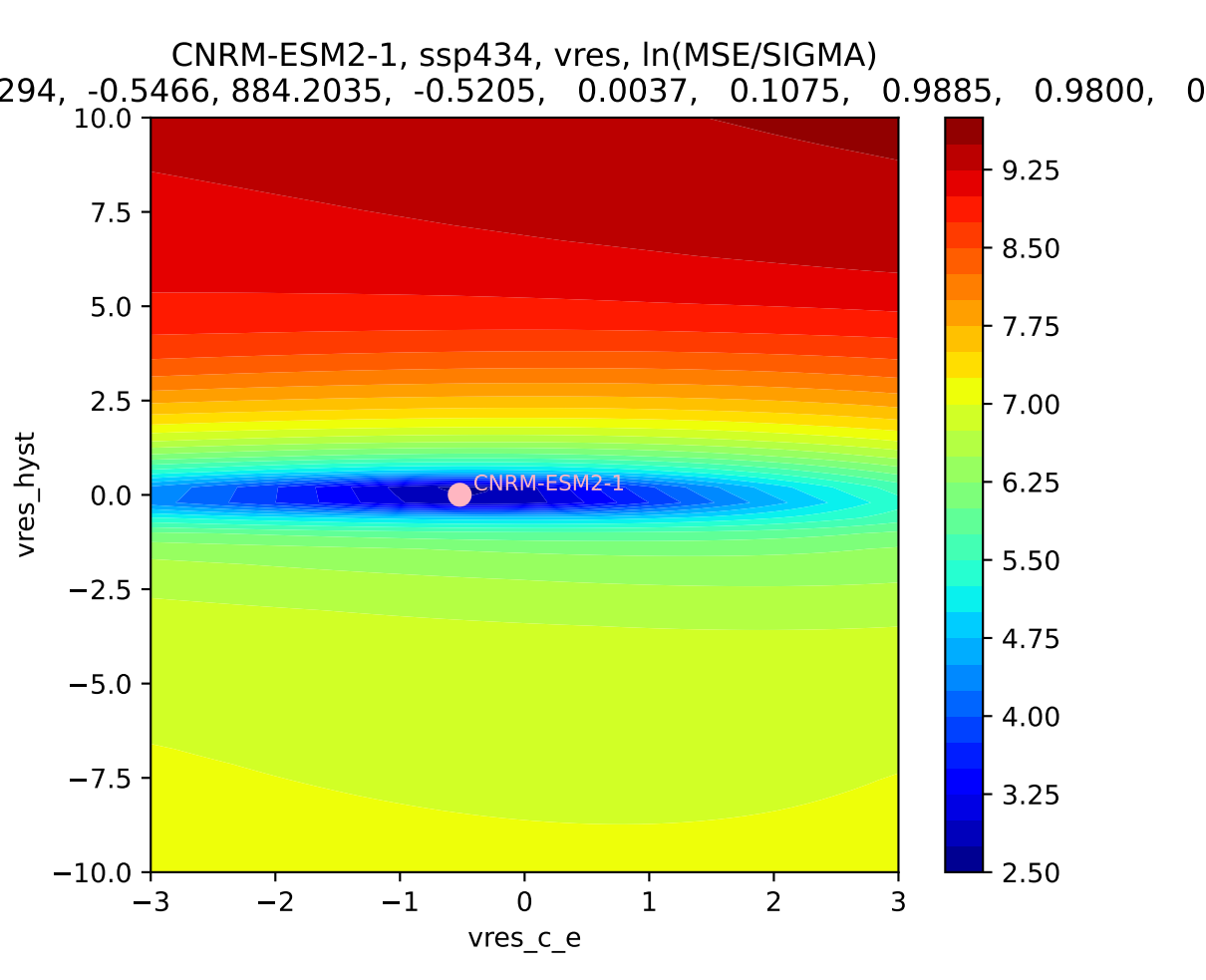

CNRM-ESM2-1, ssp434, vres
ESM-Fit
vres, ESM - FIT
ΔT

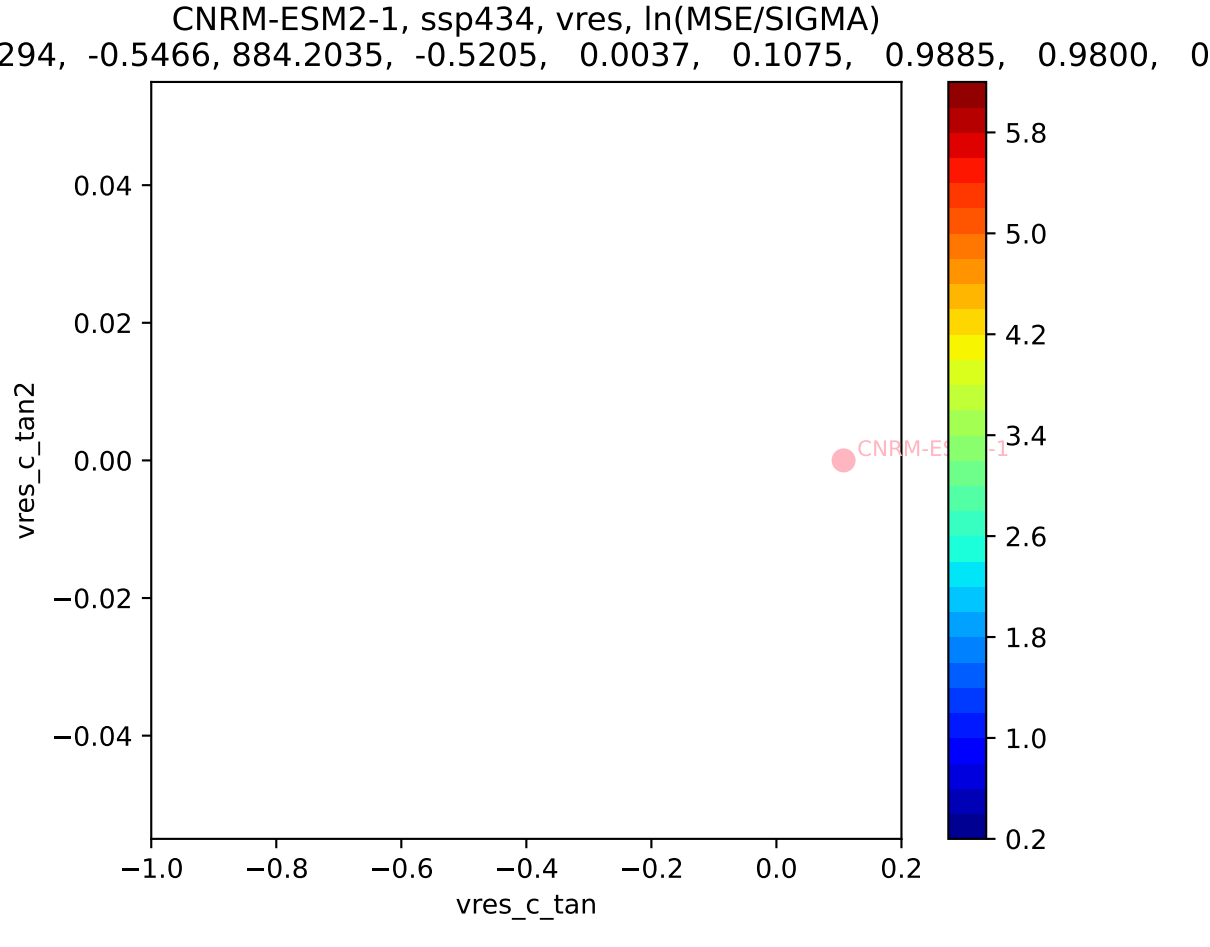

CNRM-ESM2-1, ssp434, vres
ESM
Fit
vres
c_atm

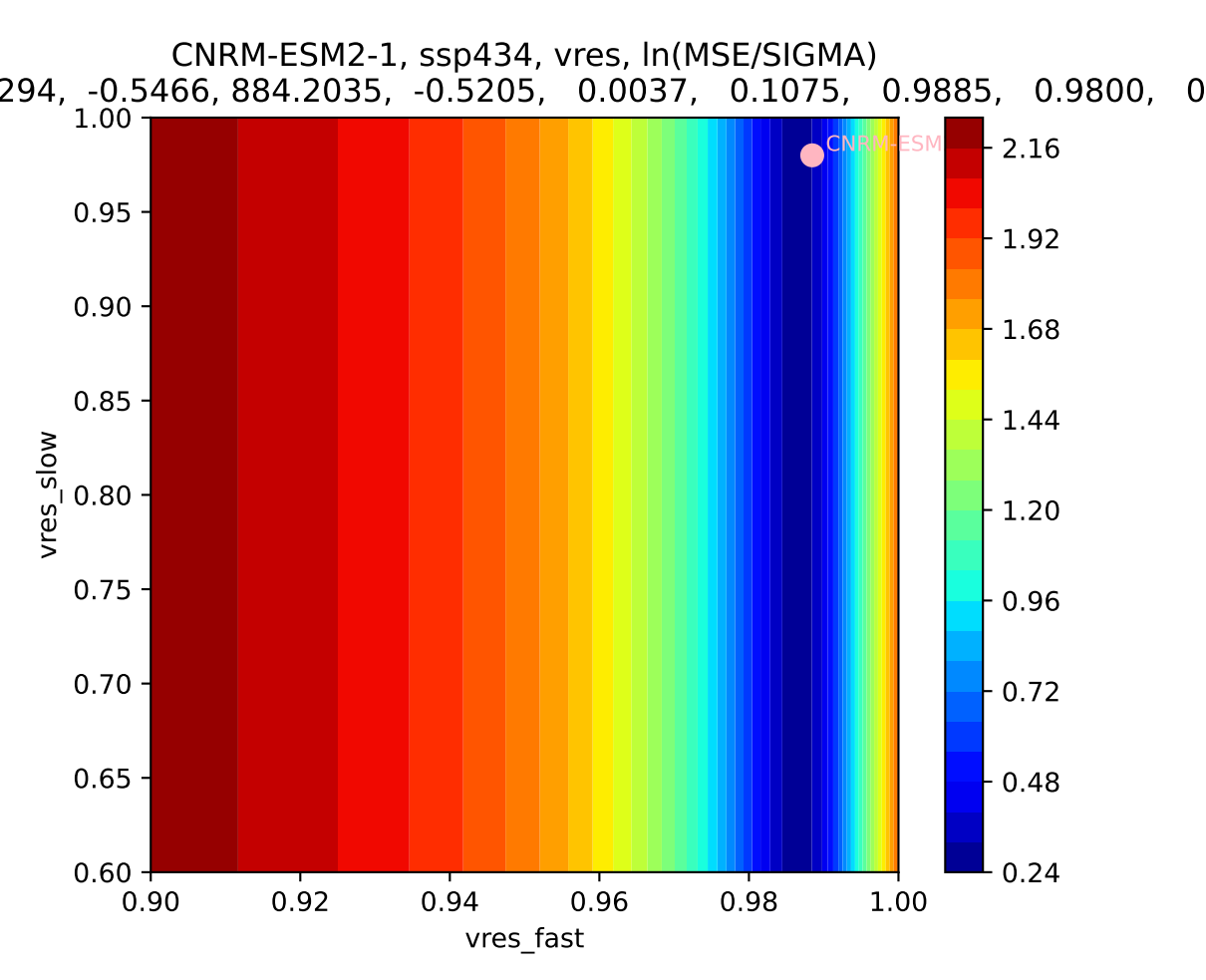

CNRM-ESM2-1, ssp434, vres
ESM-Fit
vres, ESM - FIT
c_atm

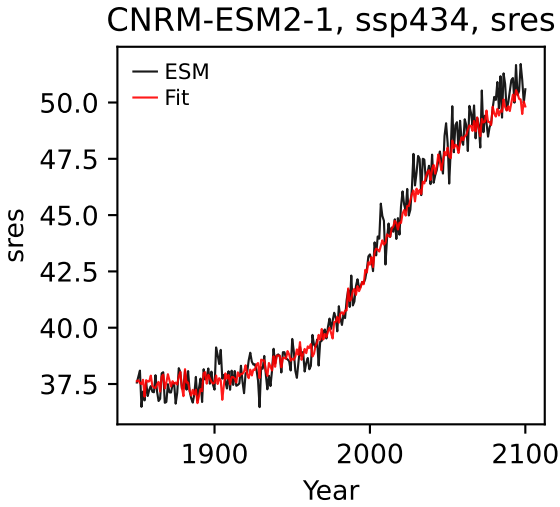

CNRM-ESM2-1, ssp434, vres, ln(MSE/SIGMA)
294, -0.5466, 884.2035, -0.5205, 0.0037, 0.1075, 0.9885, 0.9800, 0
CNRM-ESM2-1
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
8.7
7.8
6.9
6.0
5.1
4.2
3.3
2.4
1.5
0.6

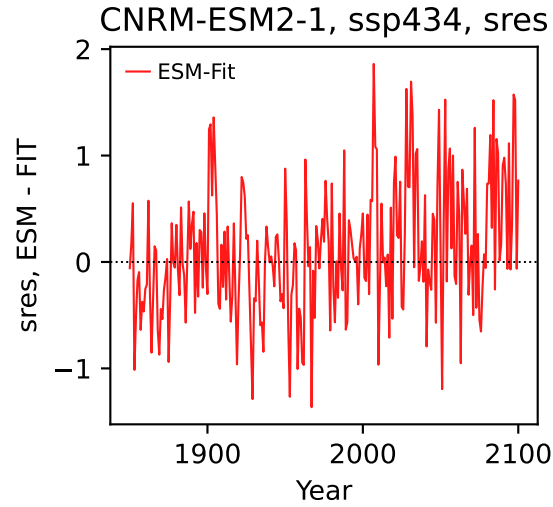

CNRM-ESM2-1, ssp434, vres, ln(MSE/SIGMA)
294, -0.5466, 884.2035, -0.5205, 0.0037, 0.1075, 0.9885, 0.9800, 0
CNRM-ESM2-1
vres_c_half
vres_c_l
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
5.6
5.0
4.4
3.8
3.2
2.6
2.0
1.4
0.8
0.2

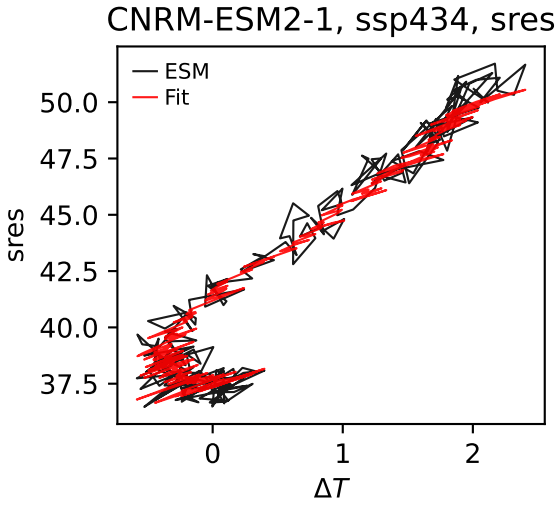

CNRM-ESM2-1, ssp434, vres, ln(MSE/SIGMA)
294, -0.5466, 884.2035, -0.5205, 0.0037, 0.1075, 0.9885, 0.9800, 0
CNRM-ESM2-1
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
9.25
8.50
7.75
7.00
6.25
5.50
4.75
4.00
3.25
2.50

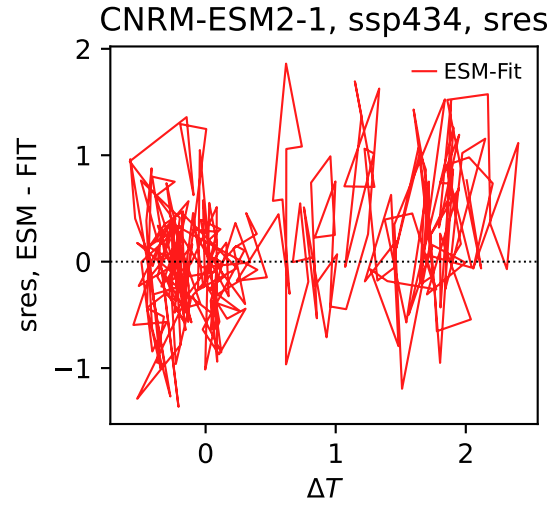

CNRM-ESM2-1, ssp434, vres, ln(MSE/SIGMA)
294, -0.5466, 884.2035, -0.5205, 0.0037, 0.1075, 0.9885, 0.9800, 0
0.04
0.02
0.00
−0.02
−0.04
vres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
vres_c_tan
5.8
5.0
4.2
3.4
2.6
1.8
1.0
0.2

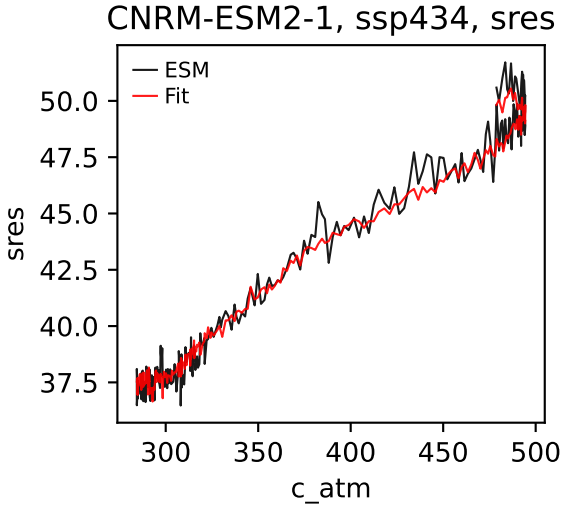

CNRM-ESM2-1, ssp434, vres, ln(MSE/SIGMA)
294, -0.5466, 884.2035, -0.5205, 0.0037, 0.1075, 0.9885, 0.9800, 0
CNRM-ESM
vres_slow
vres_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
2.16
1.92
1.68
1.44
1.20
0.96
0.72
0.48
0.24

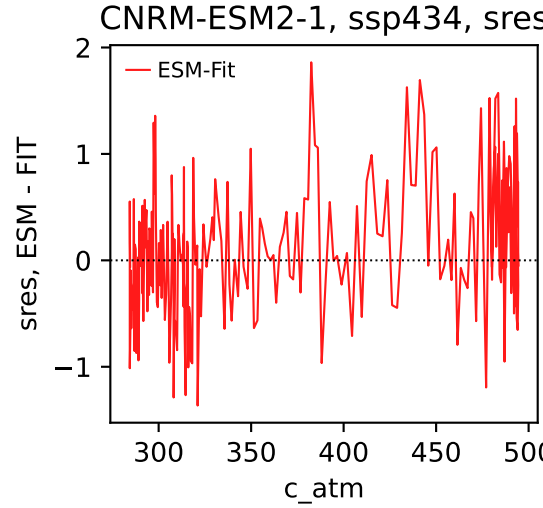

CNRM-ESM2-1, ssp434, sres
ESM
Fit
sres
50.0
47.5
45.0
42.5
40.0
37.5
1900
2000
2100
Year

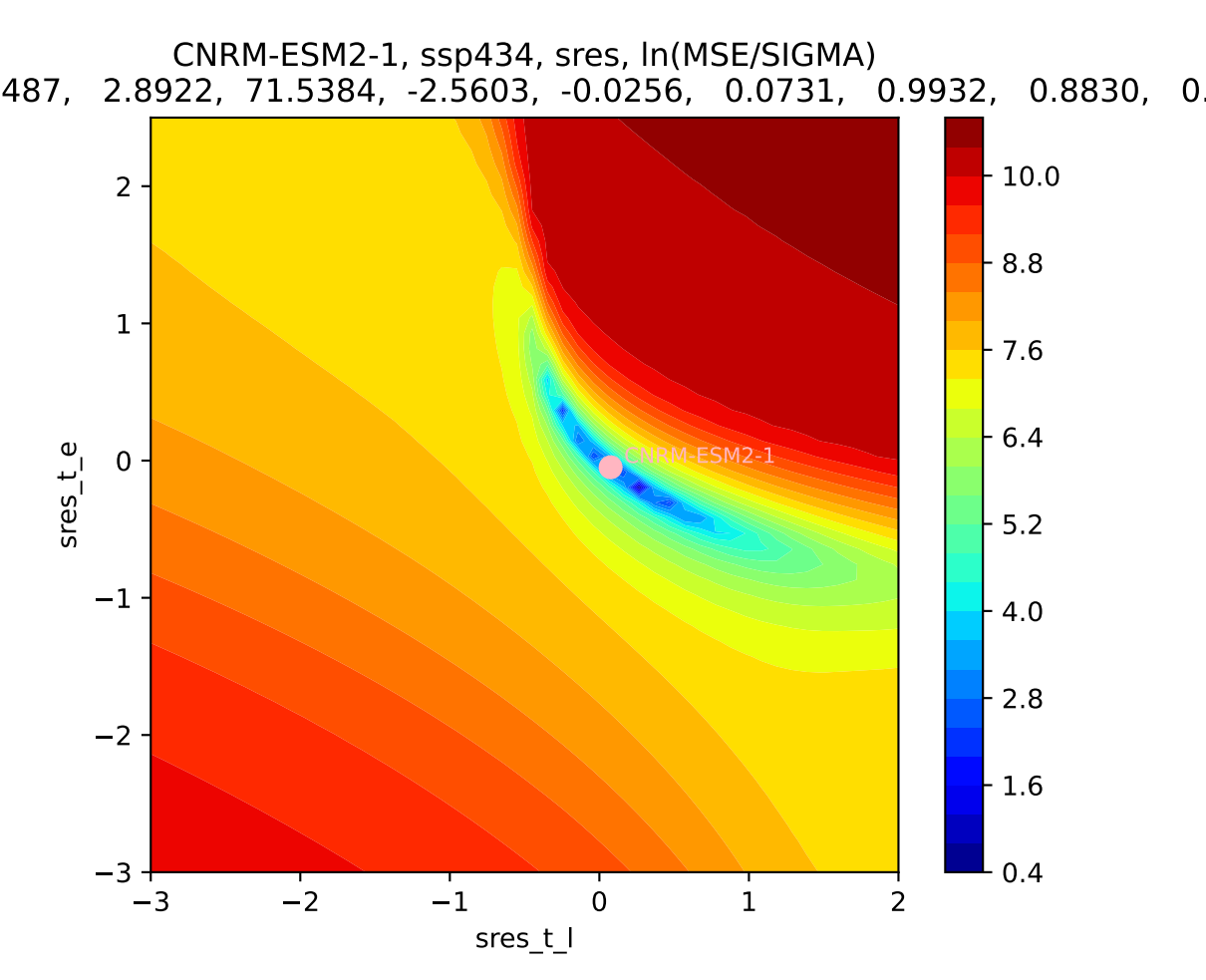

CNRM-ESM2-1, ssp434, sres
ESM-Fit
sres, ESM - FIT
2
1
0
−1
1900
2000
2100
Year

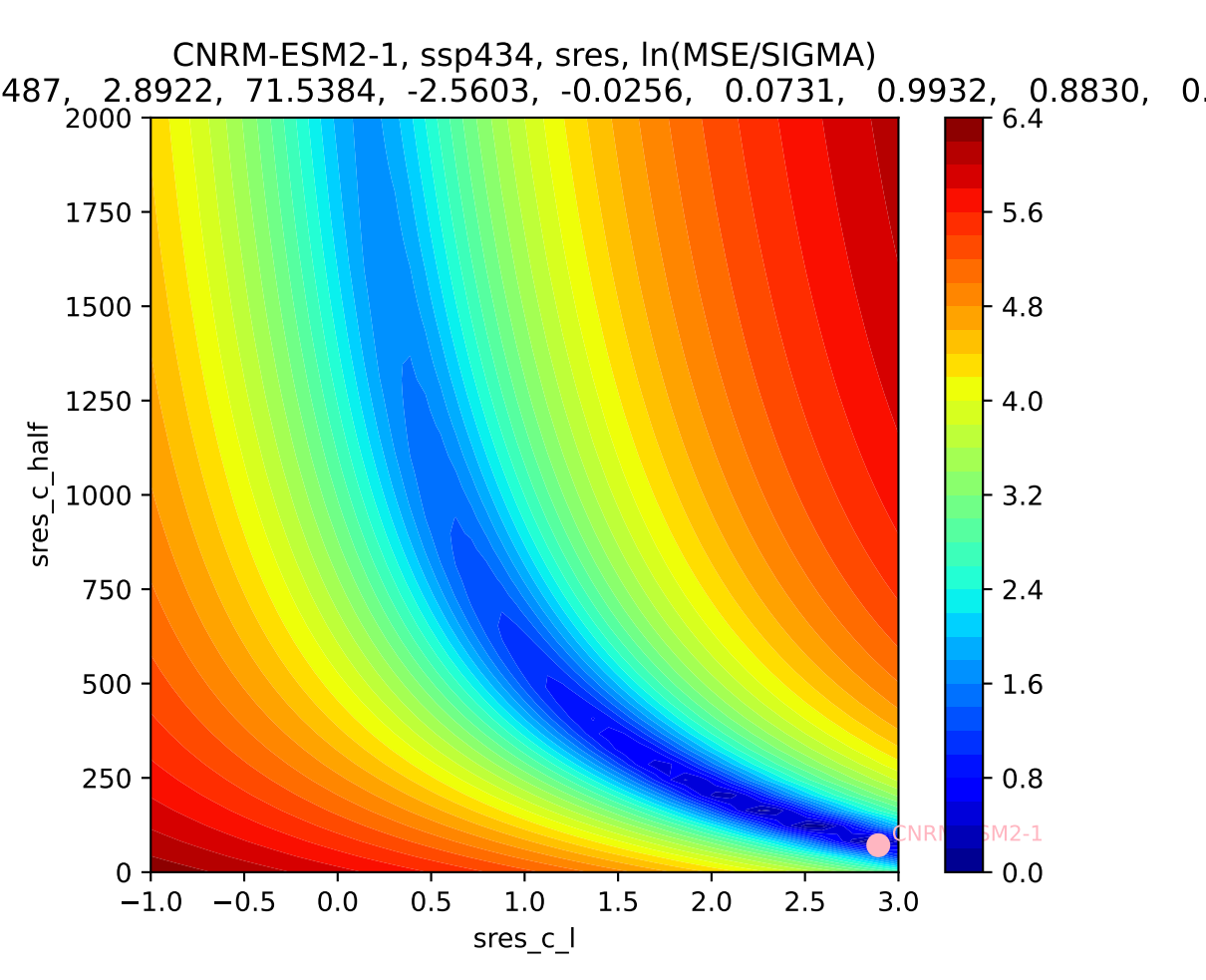

CNRM-ESM2-1, ssp434, sres
ESM
Fit
sres
50.0
47.5
45.0
42.5
40.0
37.5
0
1
2
ΔT

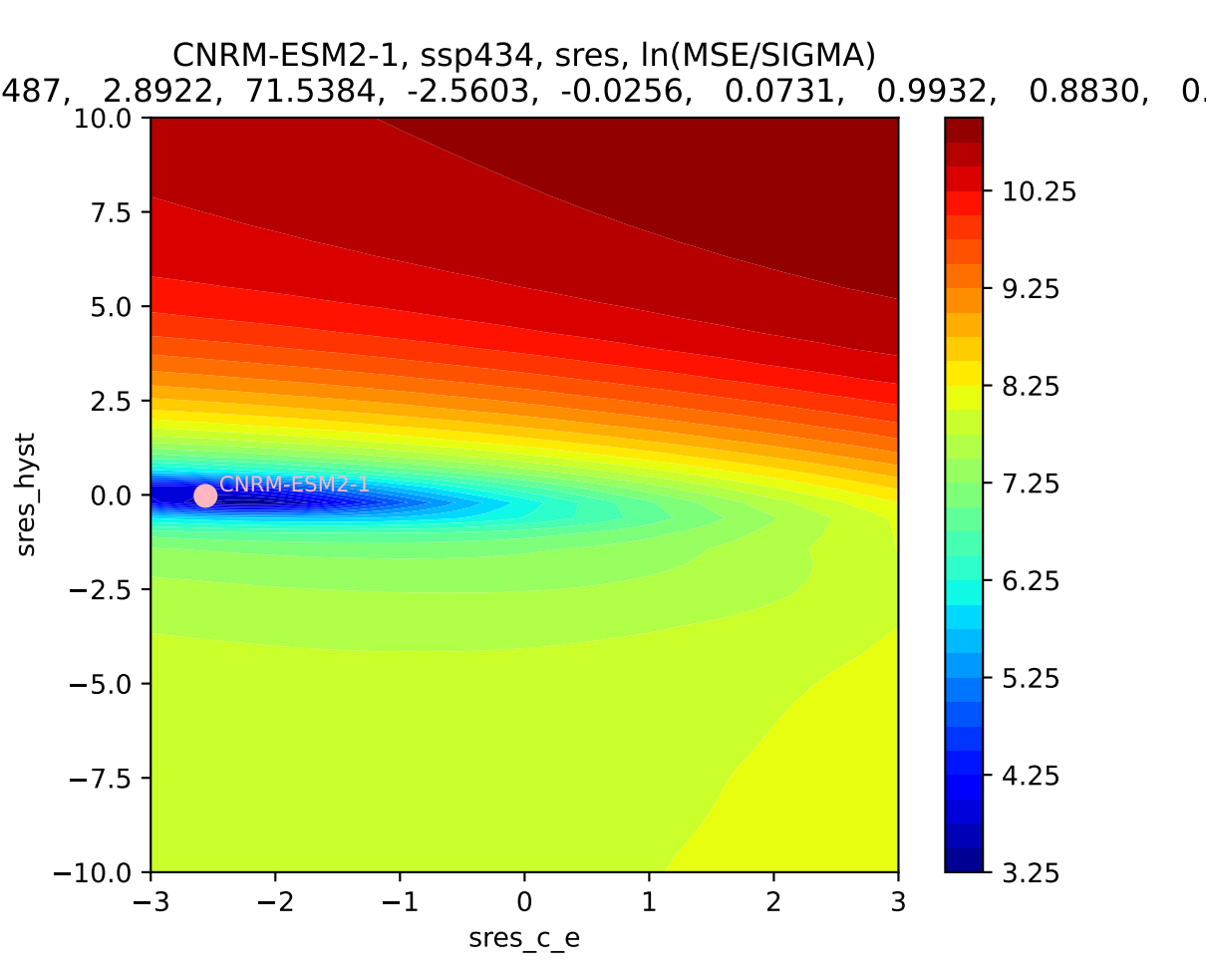

CNRM-ESM2-1, ssp434, sres
ESM-Fit
sres, ESM - FIT
2
1
0
−1
0
1
2
ΔT

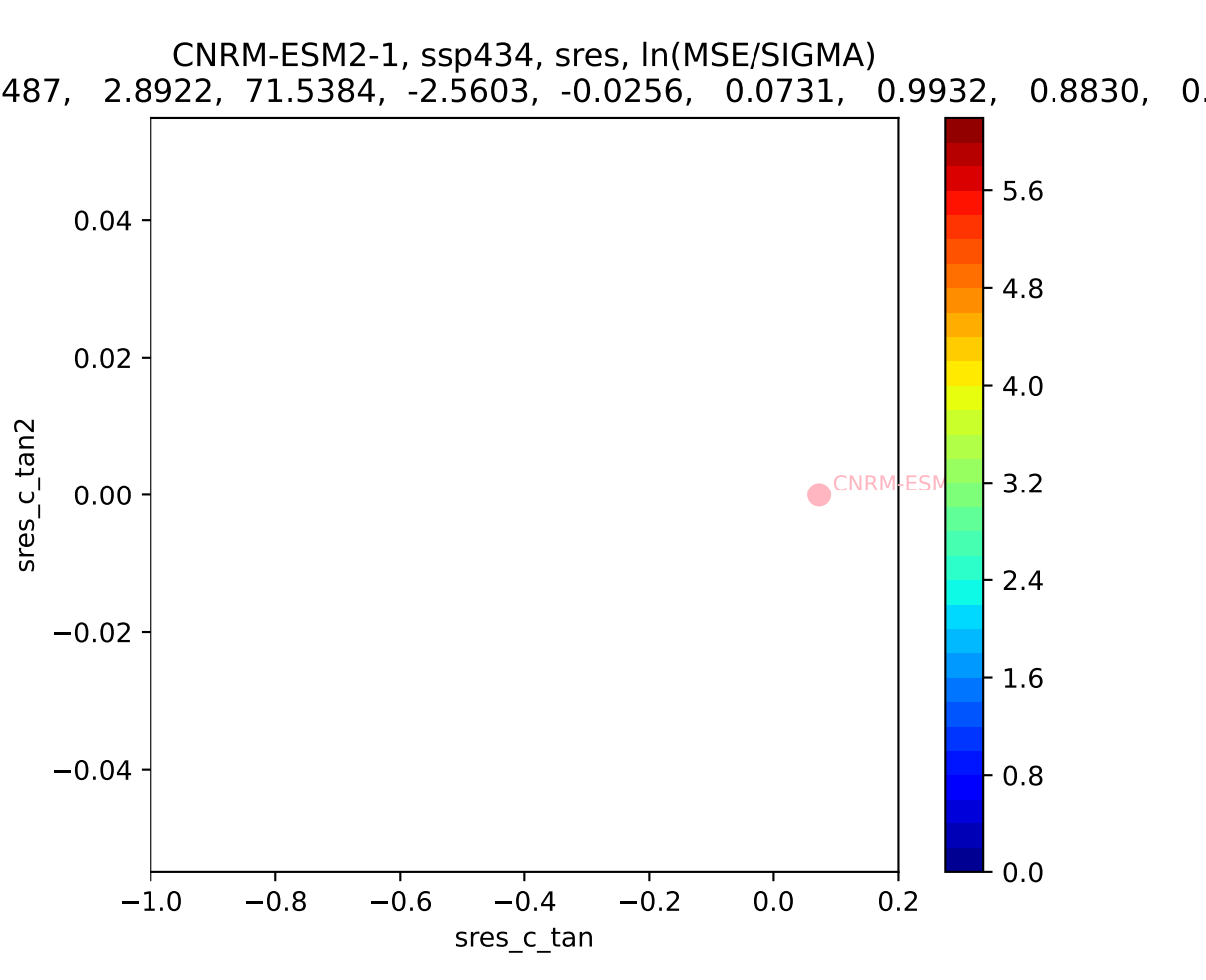

CNRM-ESM2-1, ssp434, sres
ESM
Fit
sres
50.0
47.5
45.0
42.5
40.0
37.5
300
350
400
450
500
c_atm

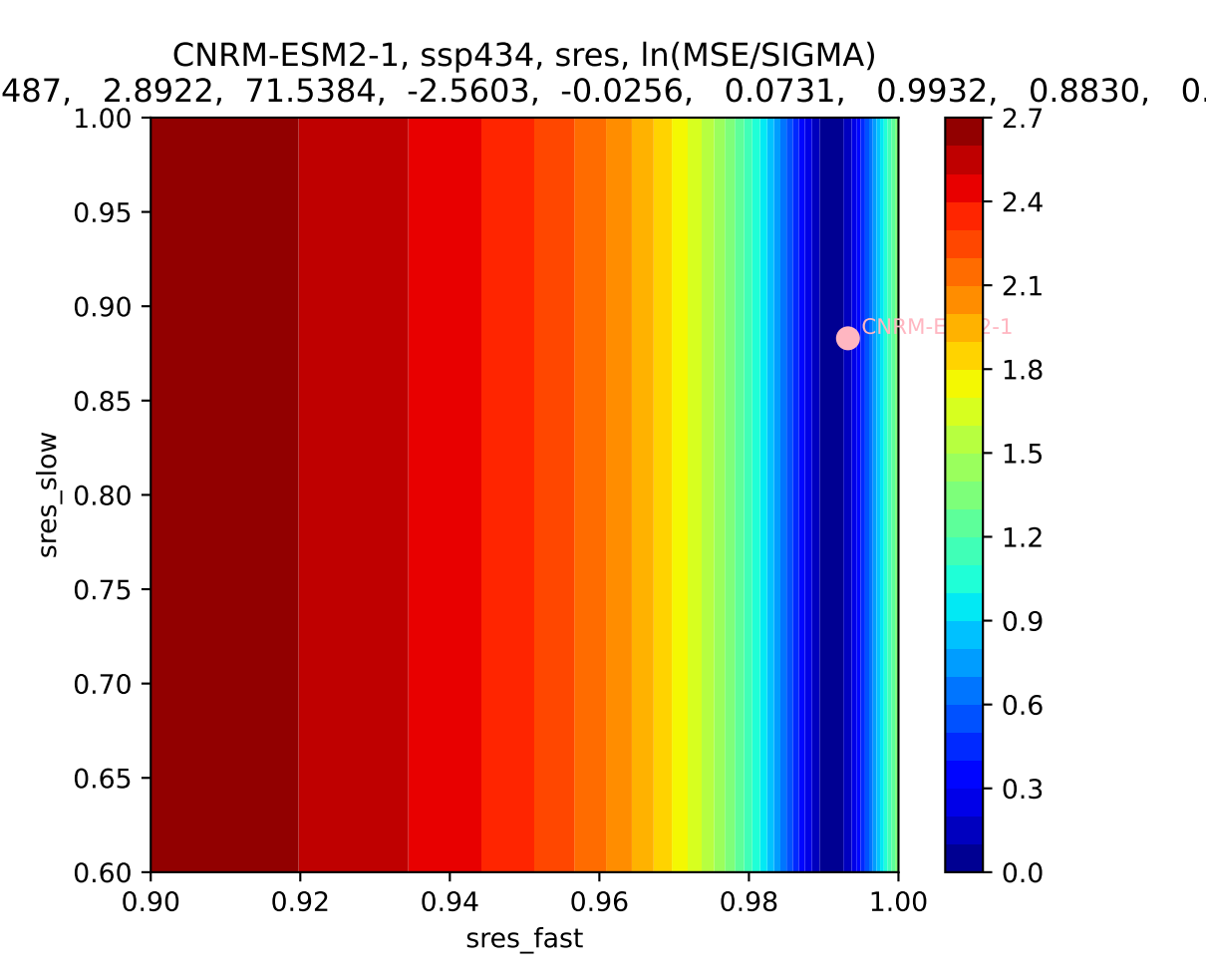

CNRM-ESM2-1, ssp434, sres
ESM-Fit
sres, ESM - FIT
2
1
0
−1
300
350
400
450
500
c_atm

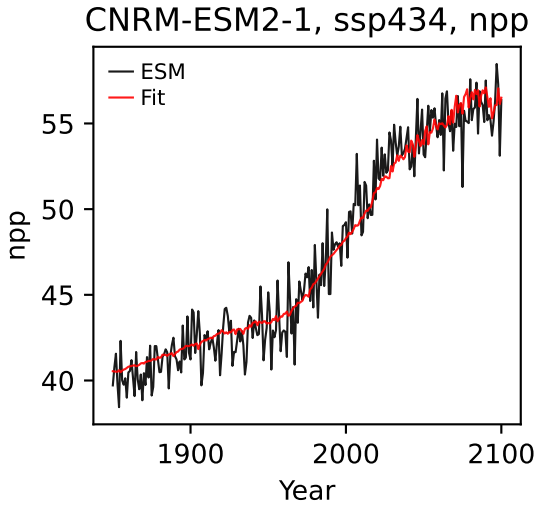

CNRM-ESM2-1, ssp434, sres, ln(MSE/SIGMA)
487, 2.8922, 71.5384, -2.5603, -0.0256, 0.0731, 0.9932, 0.8830, 0.
CNRM-ESM2-1
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

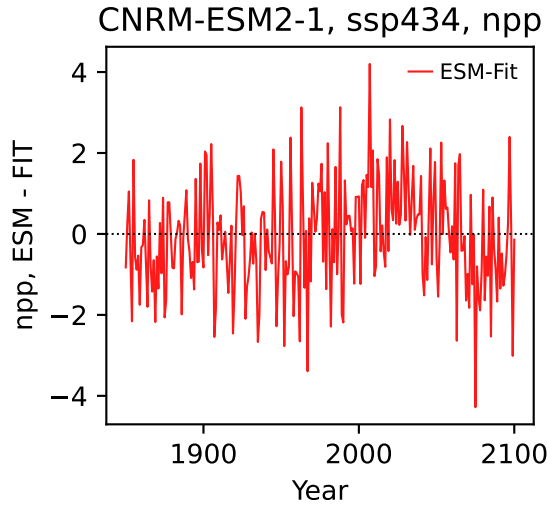

CNRM-ESM2-1, ssp434, sres, ln(MSE/SIGMA)
487, 2.8922, 71.5384, -2.5603, -0.0256, 0.0731, 0.9932, 0.8830, 0.
2000
1750
1500
1250
1000
750
500
250
0
sres_c_half
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
sres_c_l
6.4
5.6
4.8
4.0
3.2
2.4
1.6
0.8
0.0

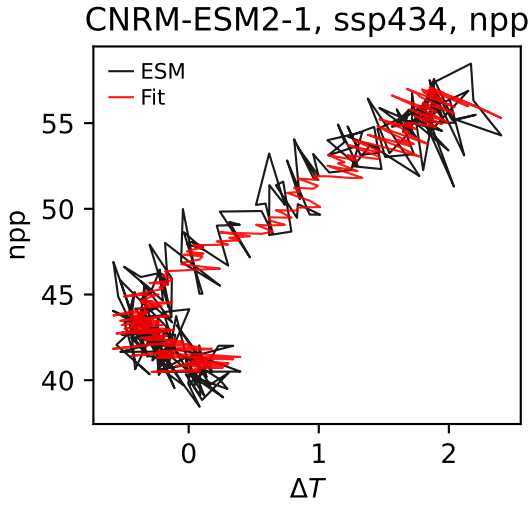

CNRM-ESM2-1, ssp434, sres, ln(MSE/SIGMA)
487, 2.8922, 71.5384, -2.5603, -0.0256, 0.0731, 0.9932, 0.8830, 0.
CNRM-ESM2-1
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.25
9.25
8.25
7.25
6.25
5.25
4.25
3.25

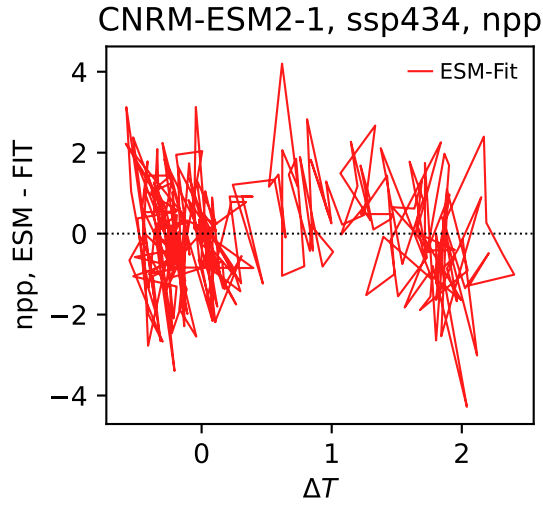

CNRM-ESM2-1, ssp434, sres, ln(MSE/SIGMA)
487, 2.8922, 71.5384, -2.5603, -0.0256, 0.0731, 0.9932, 0.8830, 0.
0.04
0.02
0.00
−0.02
−0.04
sres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
sres_c_tan
5.6
4.8
4.0
3.2
2.4
1.6
0.8
0.0

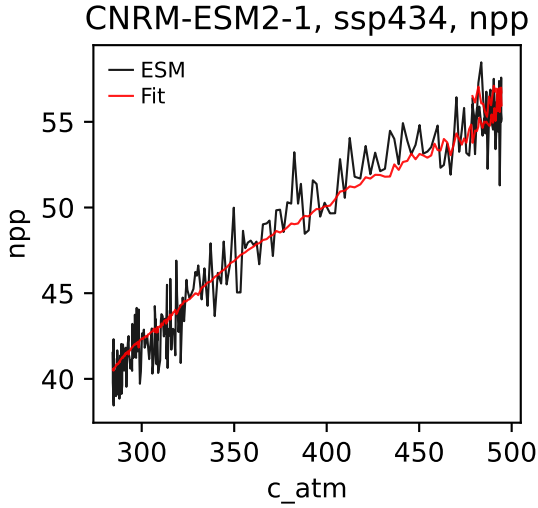

CNRM-ESM2-1, ssp434, sres, ln(MSE/SIGMA)
487, 2.8922, 71.5384, -2.5603, -0.0256, 0.0731, 0.9932, 0.8830, 0.
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
0.90
0.92
0.94
0.96
0.98
1.00
sres_fast
2.7
2.4
2.1
1.8
1.5
1.2
0.9
0.6
0.3
0.0

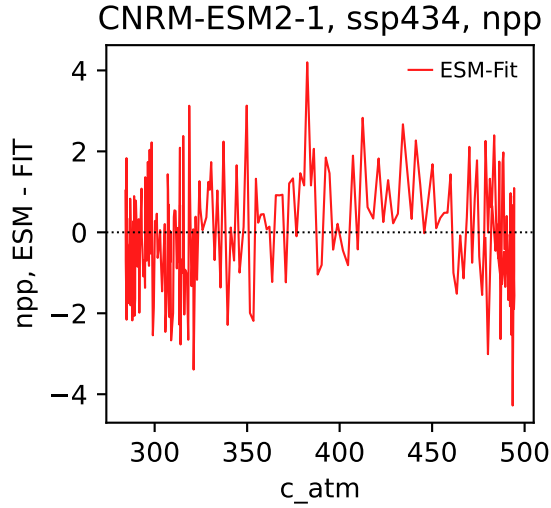

CNRM-ESM2-1, ssp434, npp
ESM
Fit
npp
Year

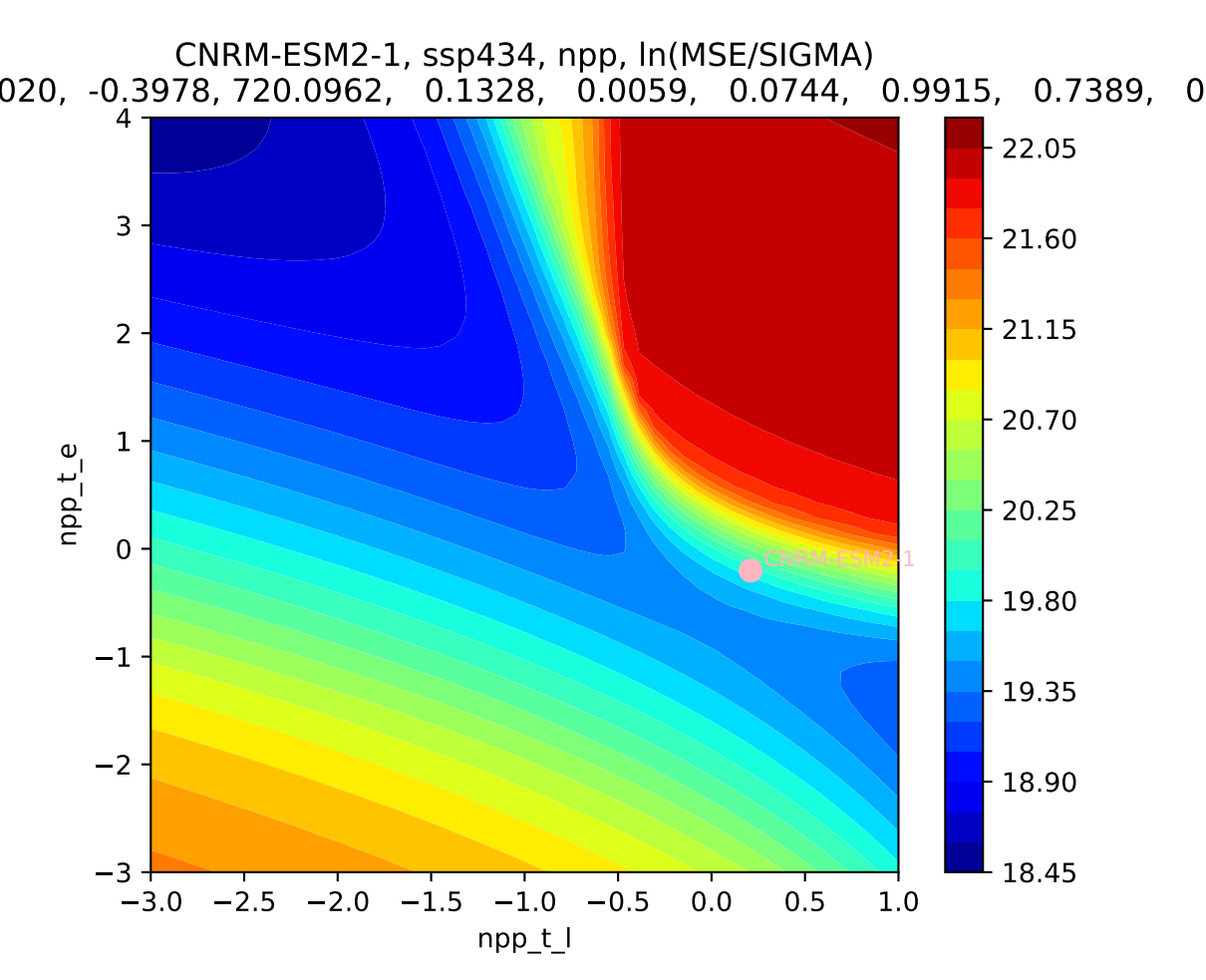

CNRM-ESM2-1, ssp434, npp
ESM-Fit
npp, ESM - FIT
Year

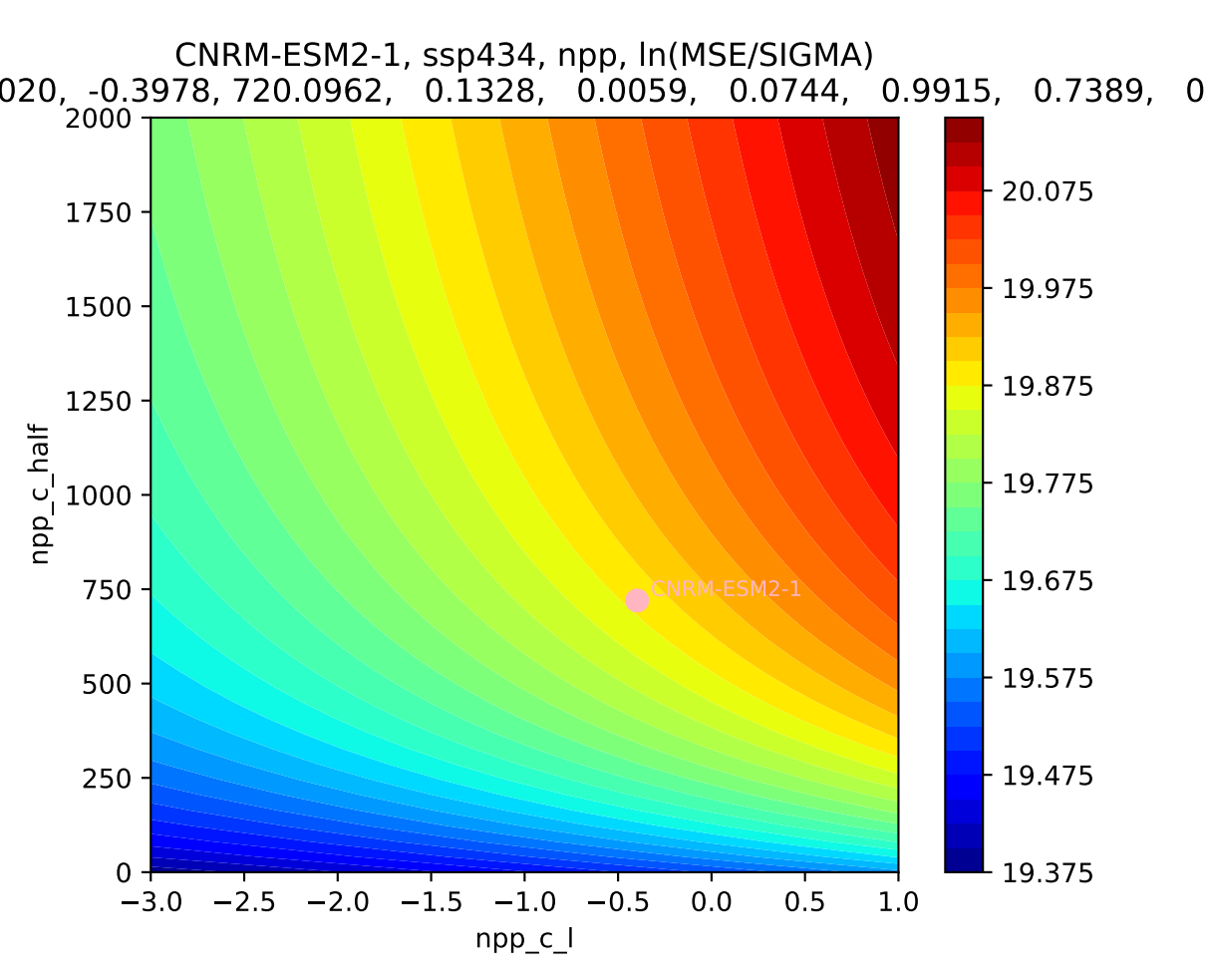

CNRM-ESM2-1, ssp434, npp
ESM
Fit
npp
ΔT

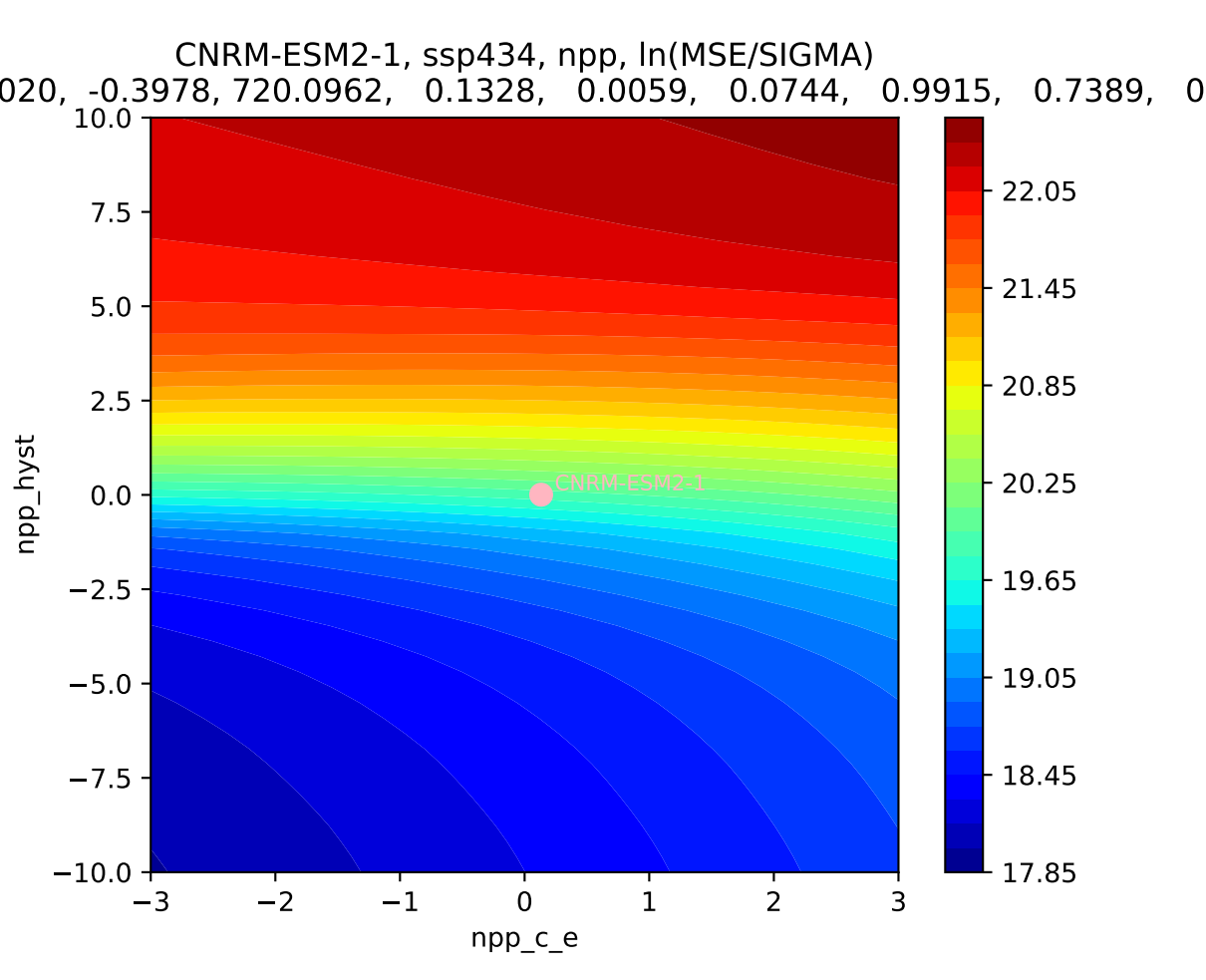

CNRM-ESM2-1, ssp434, npp
ESM-Fit
npp, ESM - FIT
ΔT

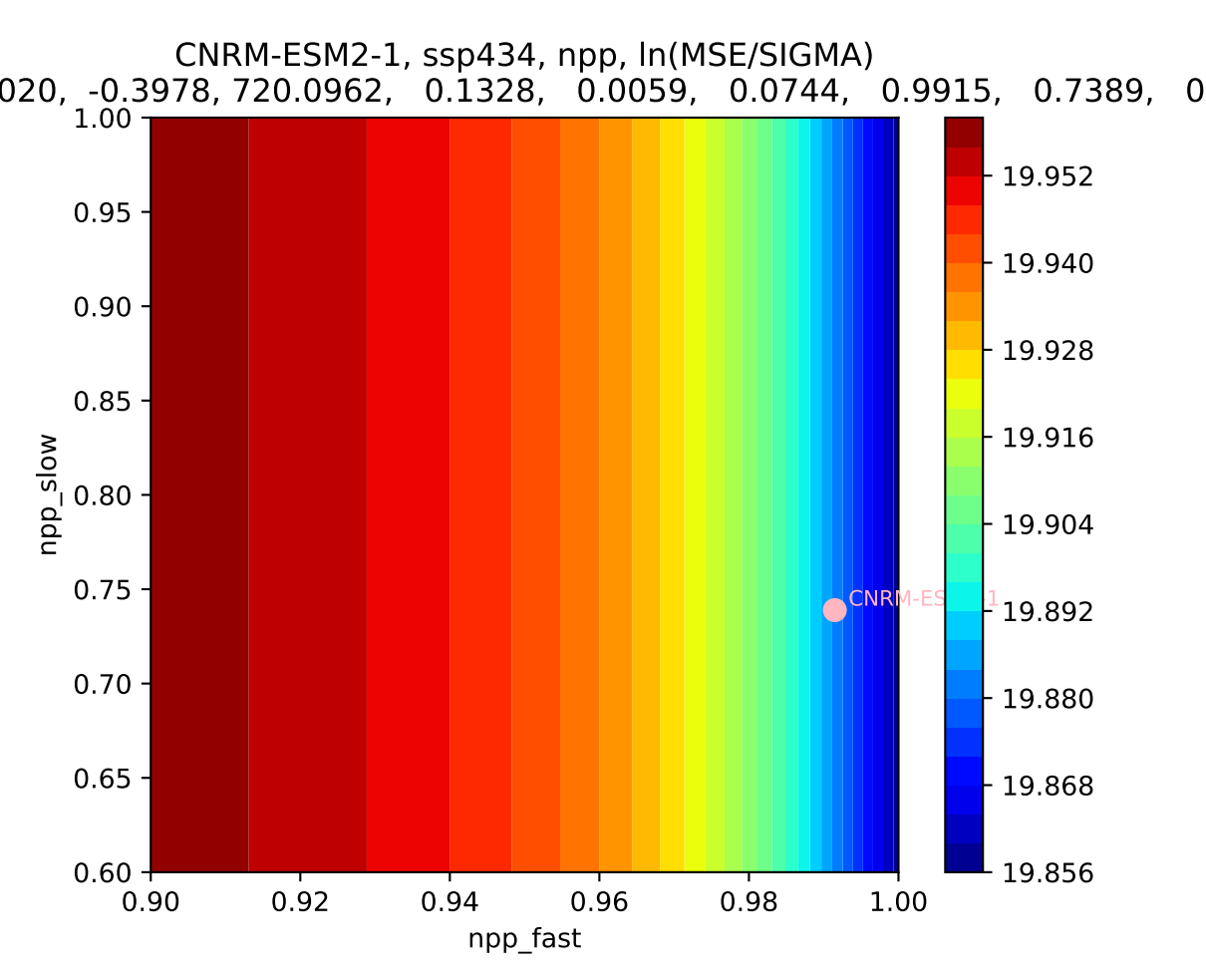

CNRM-ESM2-1, ssp434, npp
ESM
Fit
npp
c_atm

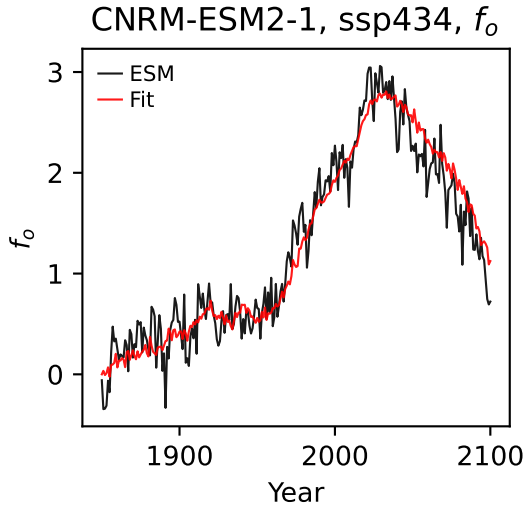

CNRM-ESM2-1, ssp434, npp
ESM-Fit
npp, ESM - FIT
c_atm

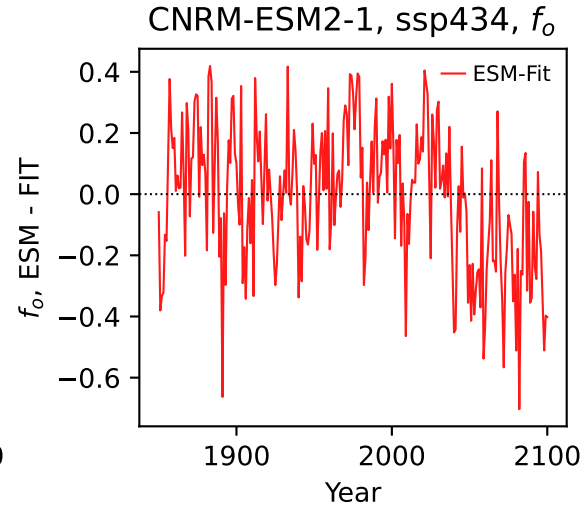

CNRM-ESM2-1, ssp434, npp, ln(MSE/SIGMA)
020, -0.3978, 720.0962, 0.1328, 0.0059, 0.0744, 0.9915, 0.7389, 0
CNRM-ESM2-1
npp_t_e
npp_t_l
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
22.05
21.60
21.15
20.70
20.25
19.80
19.35
18.90
18.45

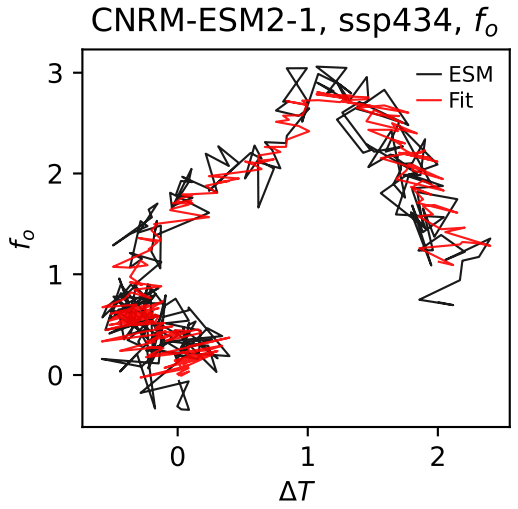

CNRM-ESM2-1, ssp434, npp, ln(MSE/SIGMA)
020, -0.3978, 720.0962, 0.1328, 0.0059, 0.0744, 0.9915, 0.7389, 0
2000
1750
1500
1250
1000
750
500
250
0
npp_c_half
CNRM-ESM2-1
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
npp_c_l
20.075
19.975
19.875
19.775
19.675
19.575
19.475
19.375

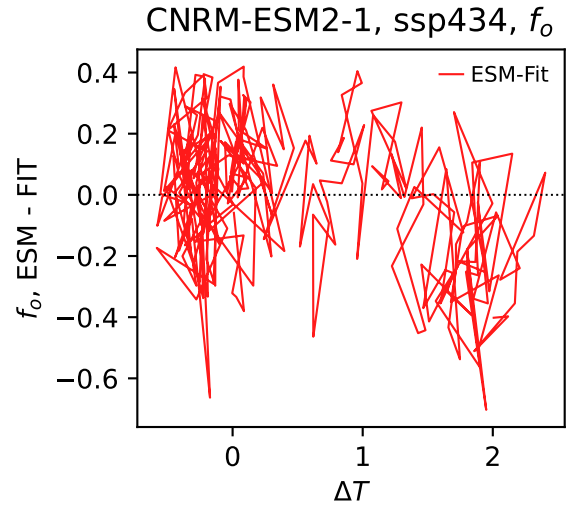

CNRM-ESM2-1, ssp434, npp, ln(MSE/SIGMA)
020, -0.3978, 720.0962, 0.1328, 0.0059, 0.0744, 0.9915, 0.7389, 0
CNRM-ESM2-1
npp_hyst
npp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.05
21.45
20.85
20.25
19.65
19.05
18.45
17.85

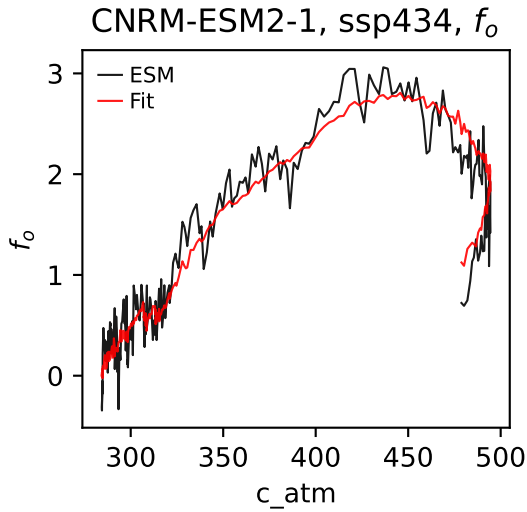

CNRM-ESM2-1, ssp434, npp, ln(MSE/SIGMA)
020, -0.3978, 720.0962, 0.1328, 0.0059, 0.0744, 0.9915, 0.7389, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
0.90
0.92
0.94
0.96
0.98
1.00
npp_fast
19.952
19.940
19.928
19.916
19.904
19.892
19.880
19.868
19.856

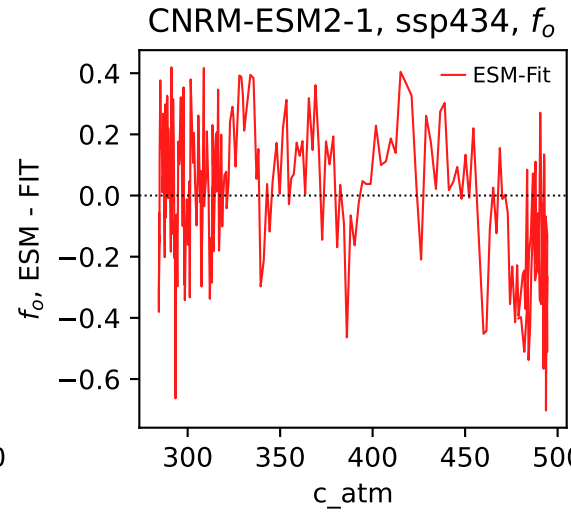

CNRM-ESM2-1, ssp434, f_o
ESM
Fit
f_o
Year

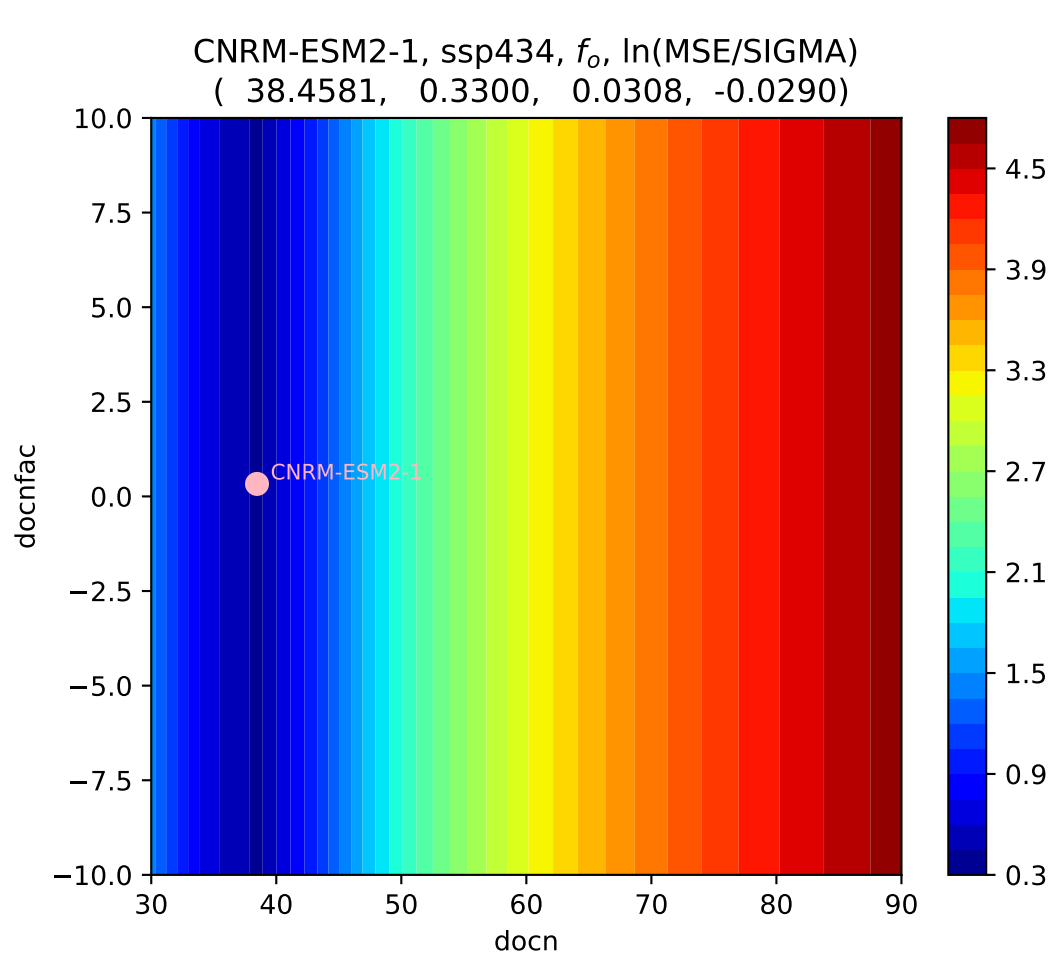

CNRM-ESM2-1, ssp434, f_o
ESM-Fit
f_o, ESM - FIT
Year

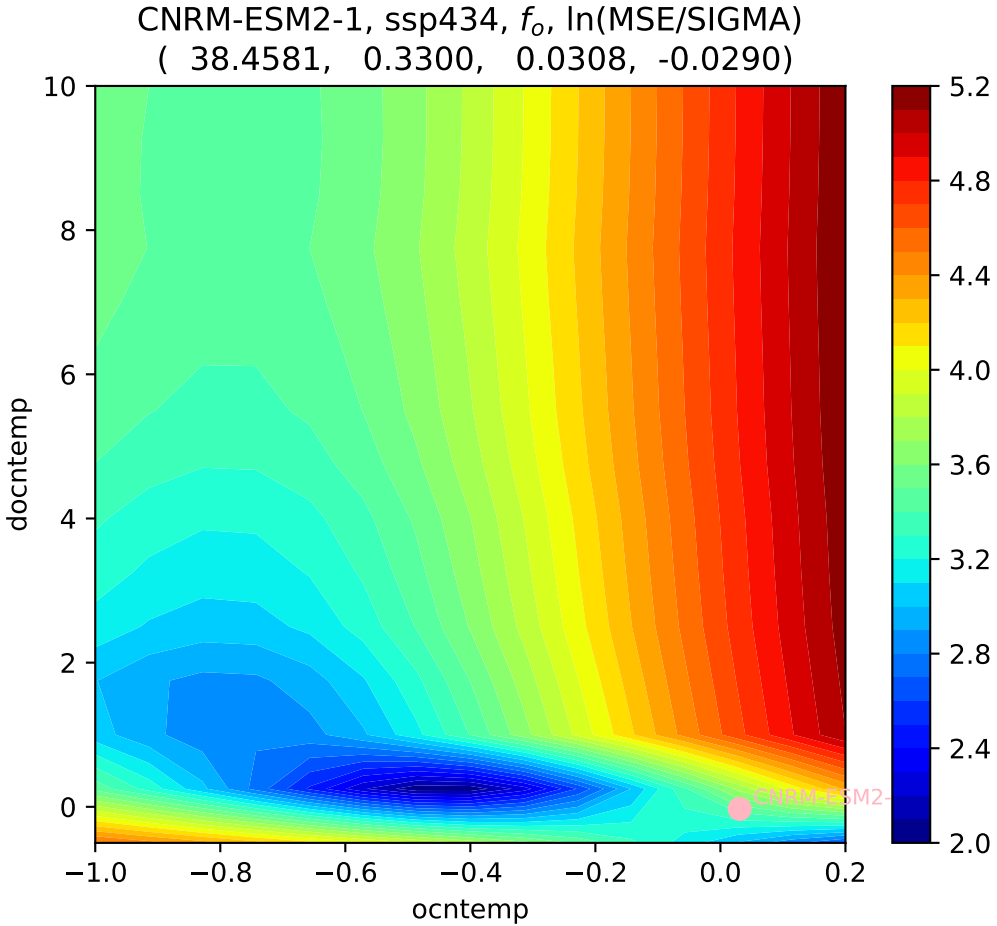

CNRM-ESM2-1, ssp434, f_o
ESM
Fit
f_o
ΔT


CNRM-ESM2-1, ssp434, f_o
ESM-Fit
f_o, ESM - FIT
ΔT


CNRM-ESM2-1, ssp434, f_o
ESM
Fit
f_o
c_atm


CNRM-ESM2-1, ssp434, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


CNRM-ESM2-1, ssp434, f_o, ln(MSE/SIGMA)
(38.4581, 0.3300, 0.0308, -0.0290)
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
4.5
3.9
3.3
2.7
2.1
1.5
0.9
0.3


CNRM-ESM2-1, ssp434, f_o, ln(MSE/SIGMA)
(38.4581, 0.3300, 0.0308, -0.0290)
docntemp
ocntemp
10
8
6
4
2
0
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
5.2
4.8
4.4
4.0
3.6
3.2
2.8
2.4
2.0
CNRM-ESM2-