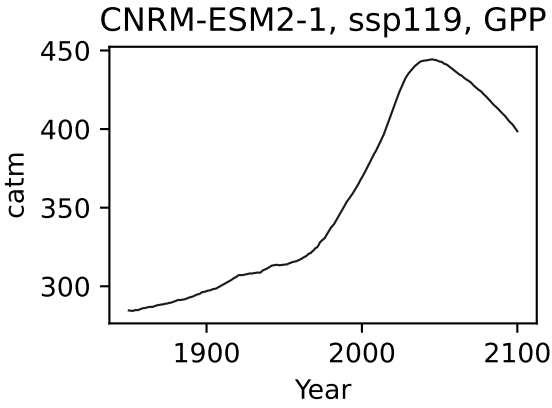
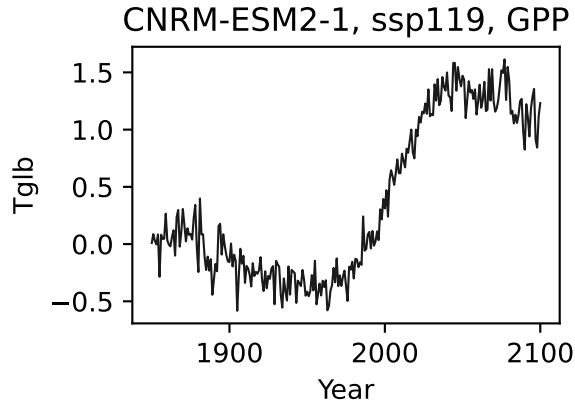
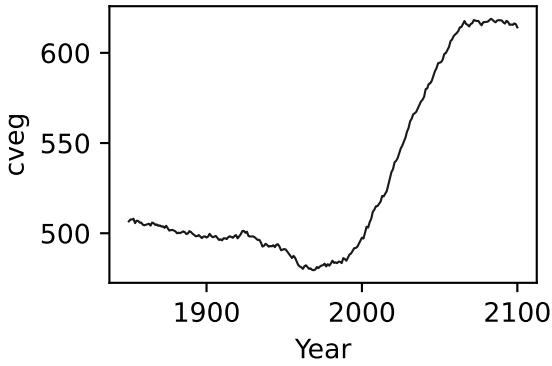
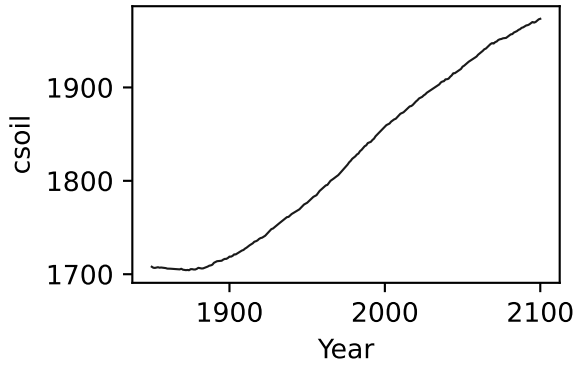
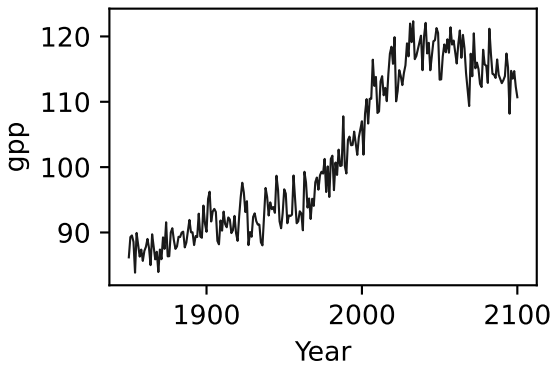
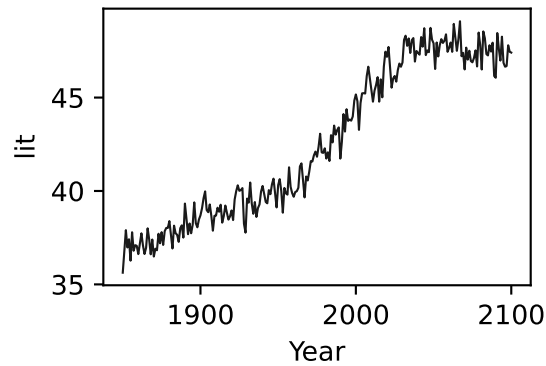

CNRM-ESM2-1, ssp119, GPP
catm
450
400
350
300
1900
2000
2100
Year

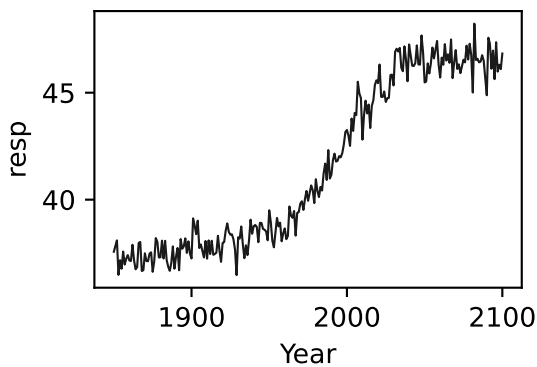

CNRM-ESM2-1, ssp119, GPP
Tglb
1.5
1.0
0.5
0.0
−0.5
1900
2000
2100
Year

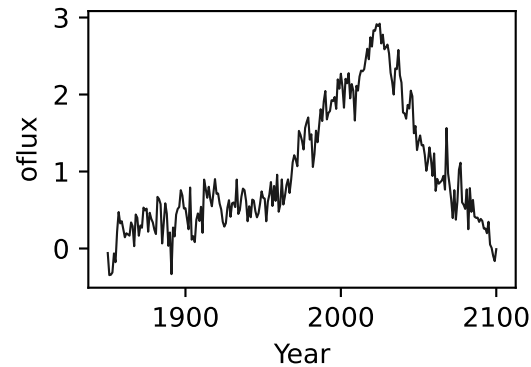

cveg
600
550
500
1900
2000
2100
Year

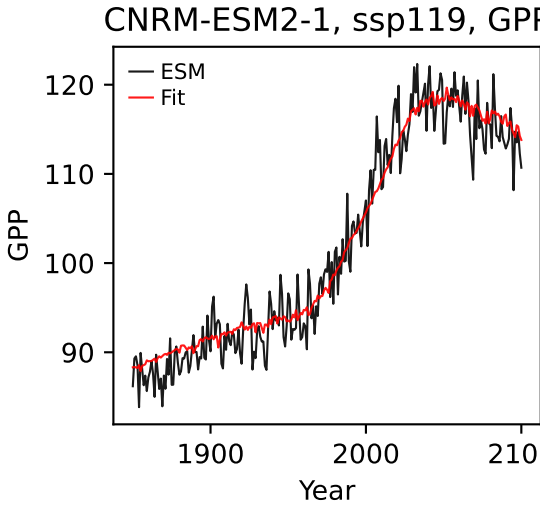

csoil
1900
1800
1700
1900
2000
2100
Year

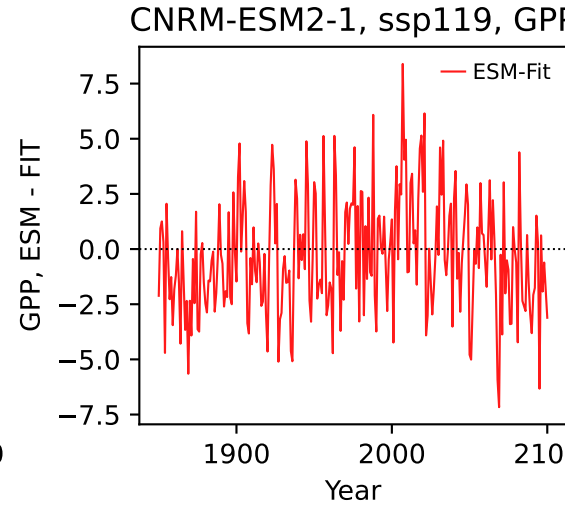

gpp
120
110
100
90
1900
2000
2100
Year

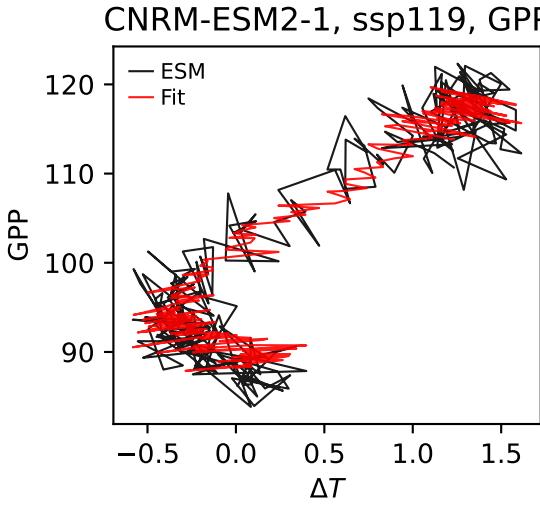

lit
45
40
35
1900
2000
2100
Year

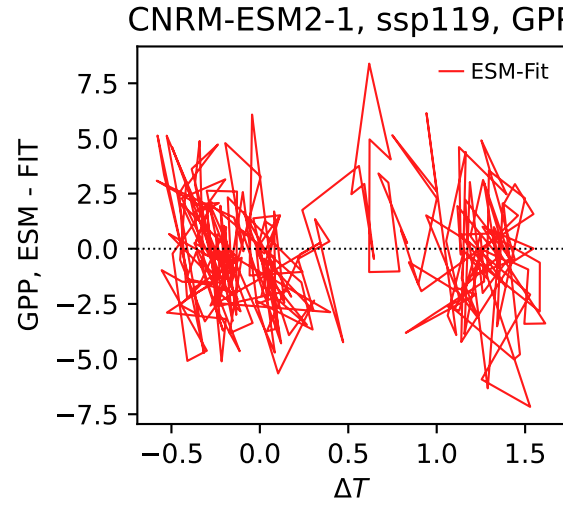

resp
45
40
1900
2000
2100
Year

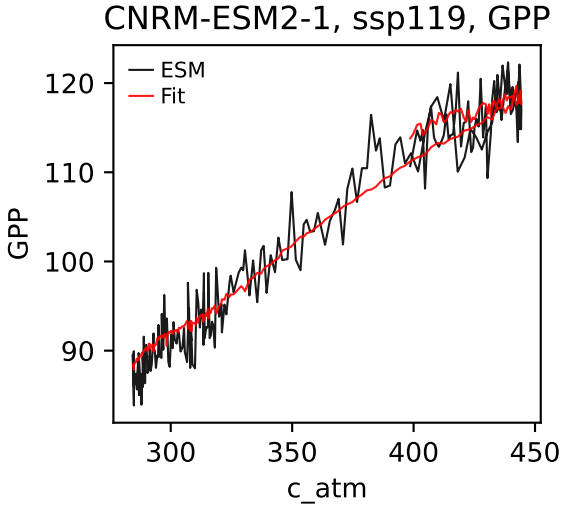

oflux
3
2
1
0
1900
2000
2100
Year

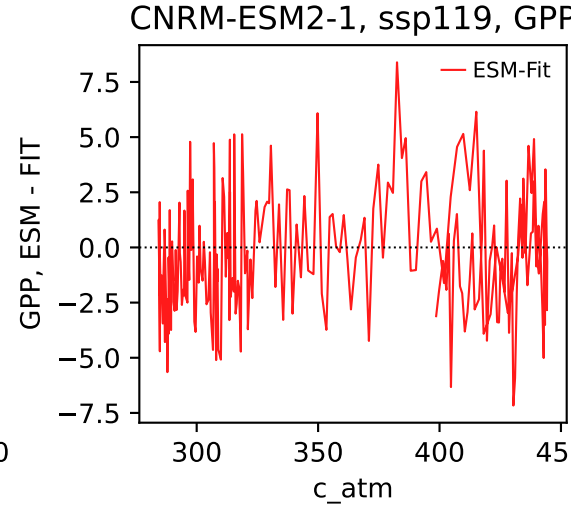

CNRM-ESM2-1, ssp119, GPP
ESM
Fit
GPP
Year

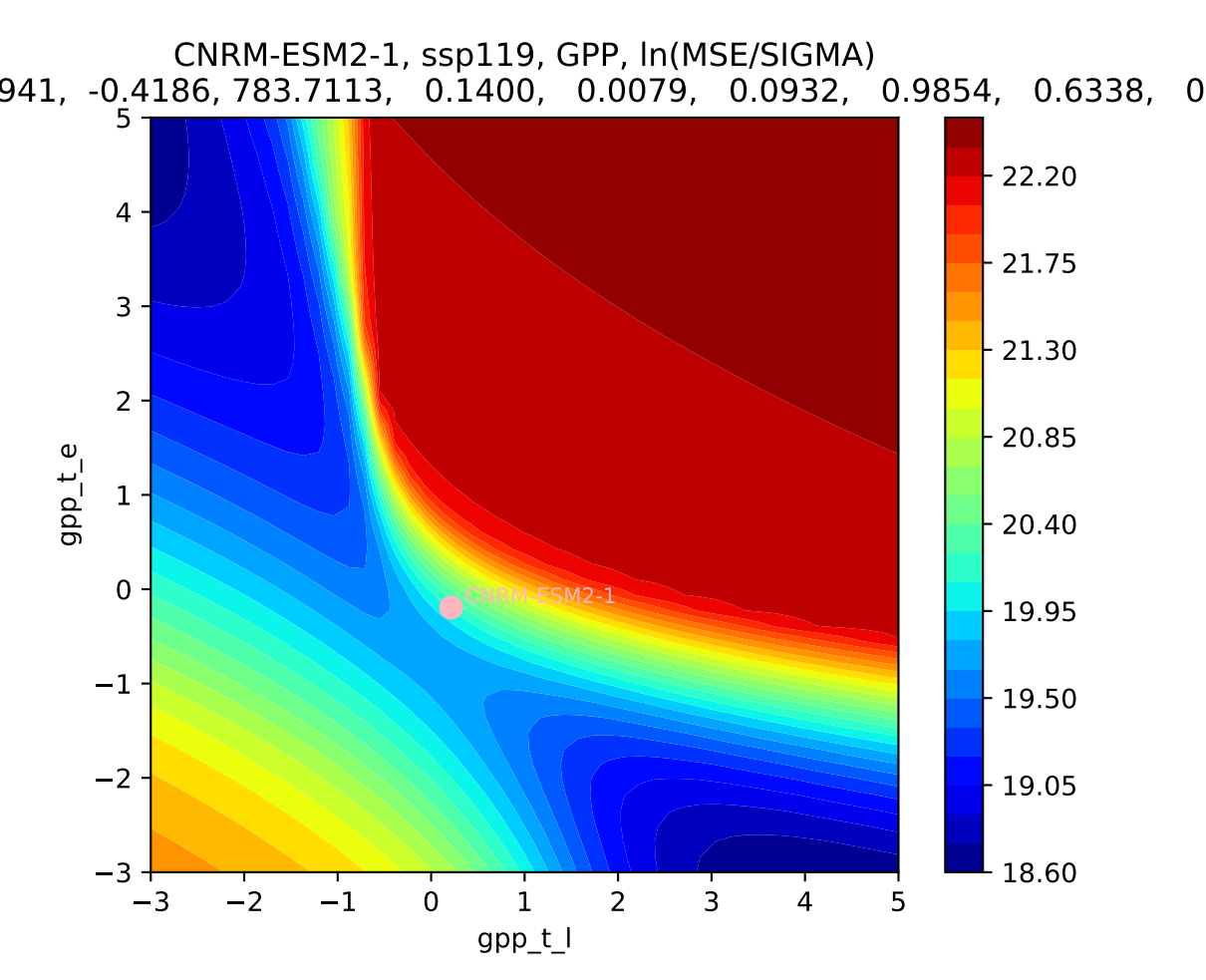

CNRM-ESM2-1, ssp119, GPP
ESM-Fit
GPP, ESM - FIT
Year

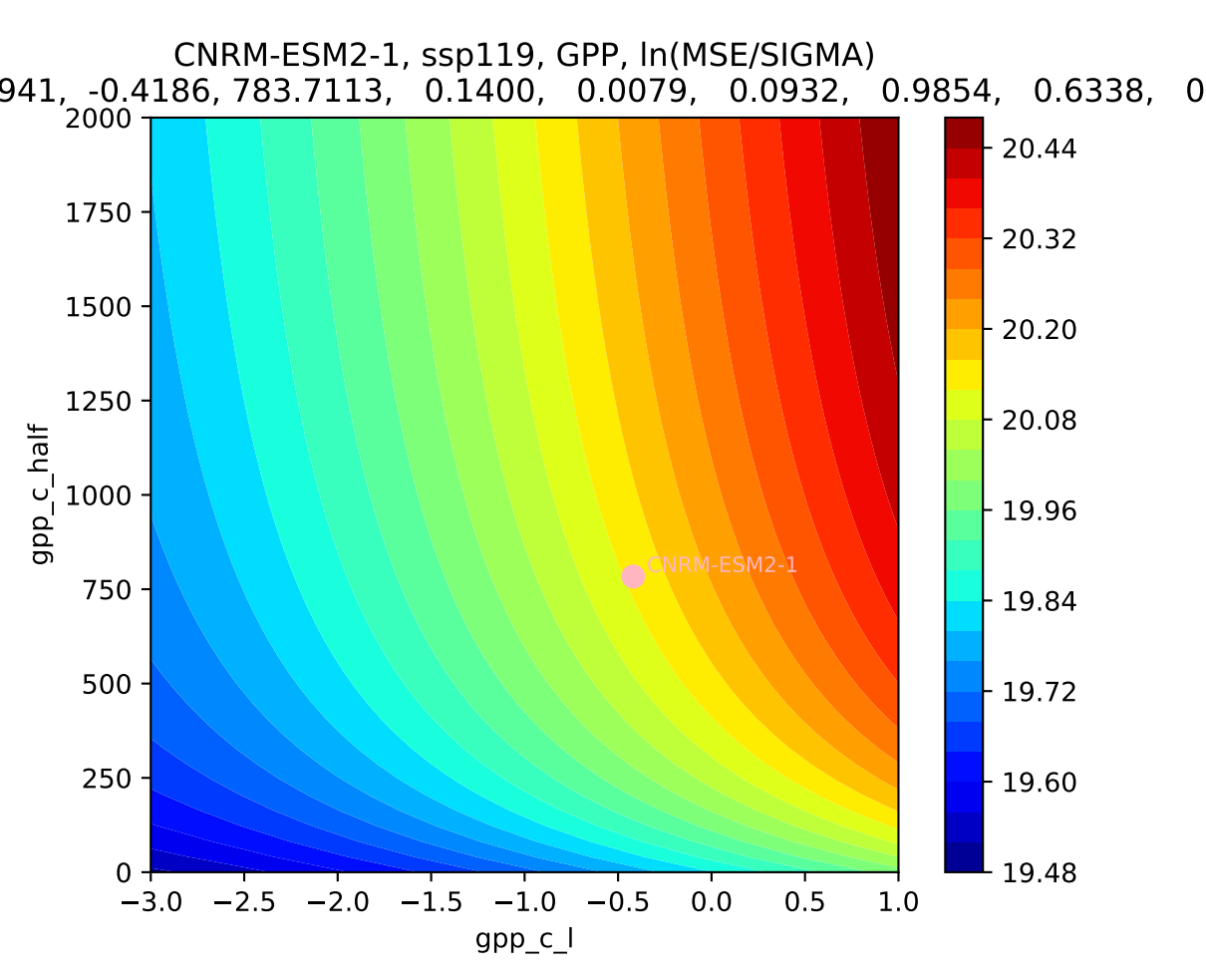

CNRM-ESM2-1, ssp119, GPP
ESM
Fit
GPP
ΔT

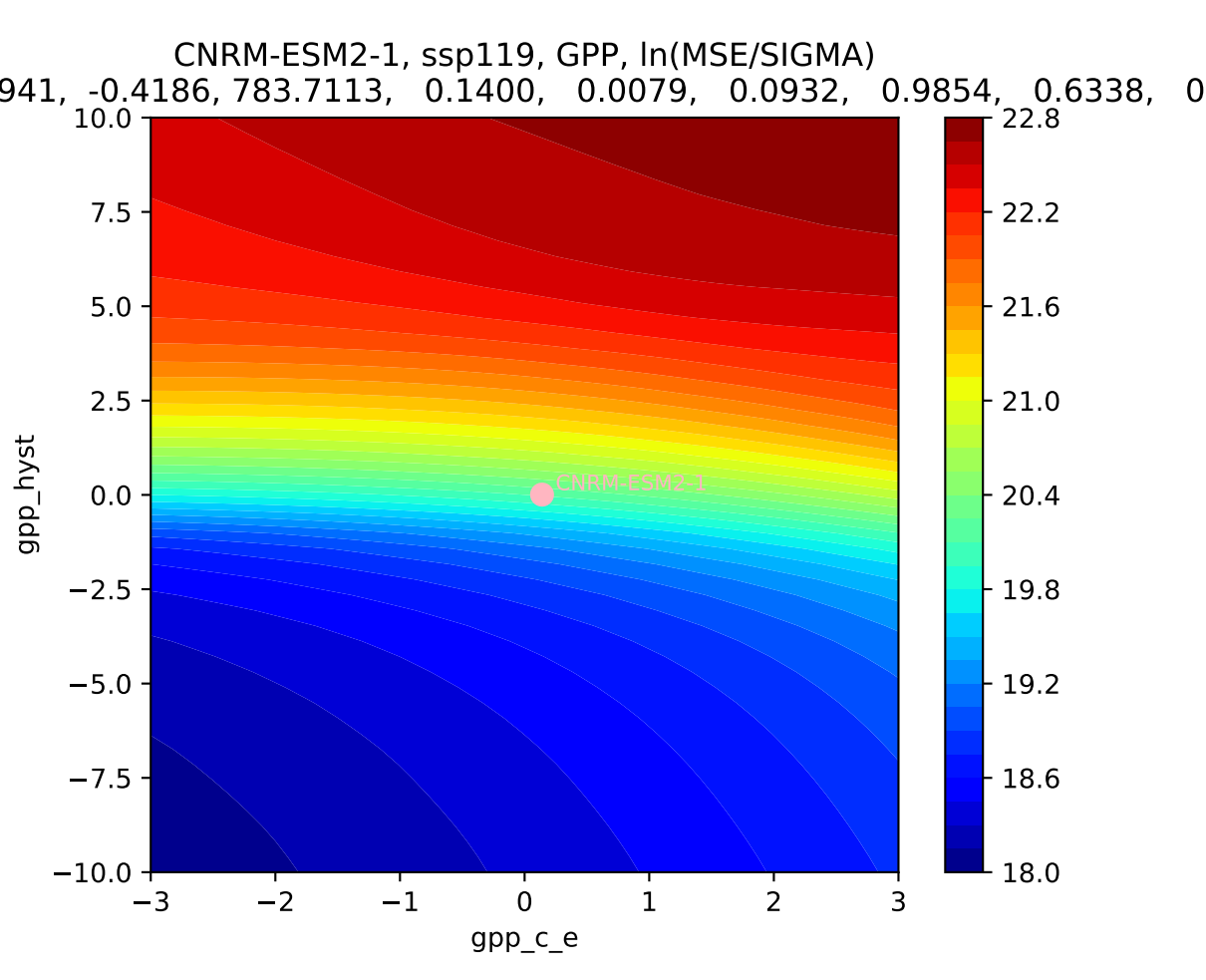

CNRM-ESM2-1, ssp119, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

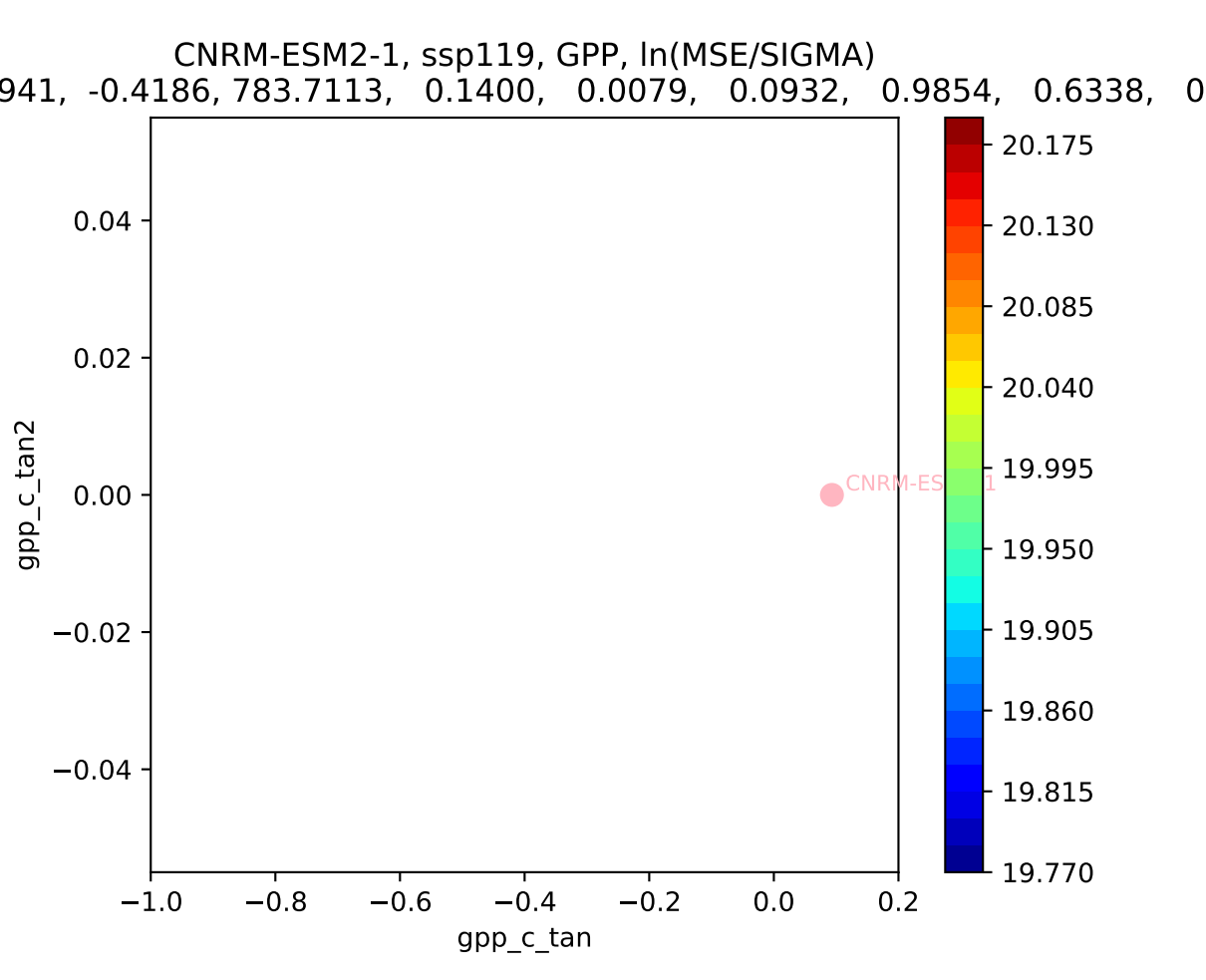

CNRM-ESM2-1, ssp119, GPP
ESM
Fit
GPP
c_atm

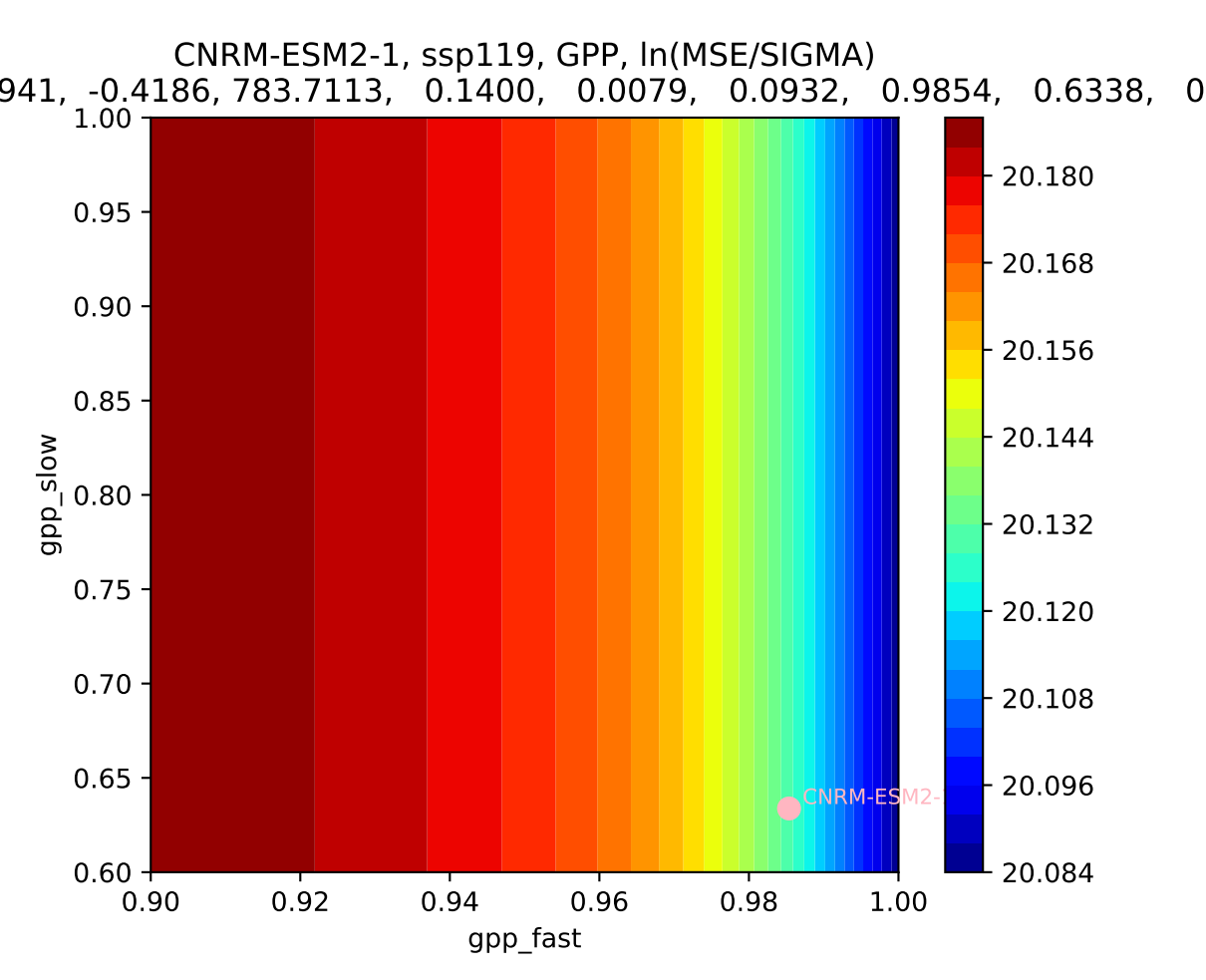

CNRM-ESM2-1, ssp119, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

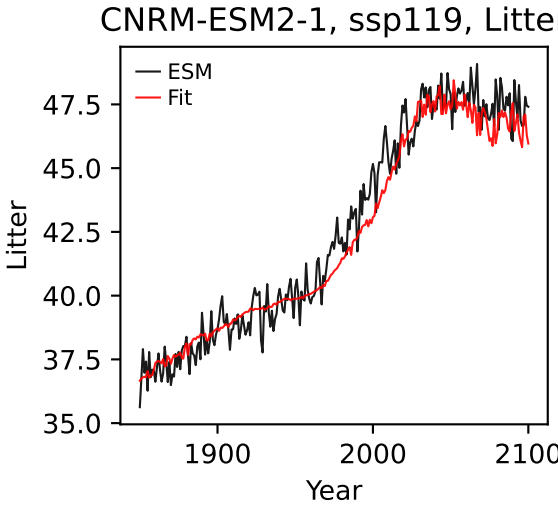

CNRM-ESM2-1, ssp119, GPP, ln(MSE/SIGMA)
941, -0.4186, 783.7113, 0.1400, 0.0079, 0.0932, 0.9854, 0.6338, 0
CNRM-ESM2-1
gpp_t_e
gpp_t_l
22.20
21.75
21.30
20.85
20.40
19.95
19.50
19.05
18.60

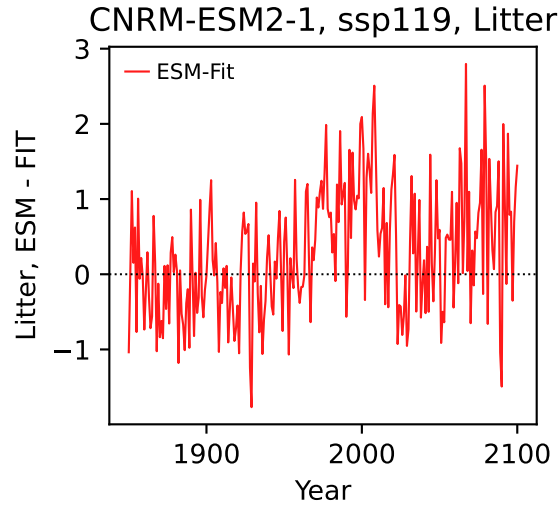

CNRM-ESM2-1, ssp119, GPP, ln(MSE/SIGMA)
941, -0.4186, 783.7113, 0.1400, 0.0079, 0.0932, 0.9854, 0.6338, 0
gpp_c_half
gpp_c_l
CNRM-ESM2-1
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
20.44
20.32
20.20
20.08
19.96
19.84
19.72
19.60
19.48

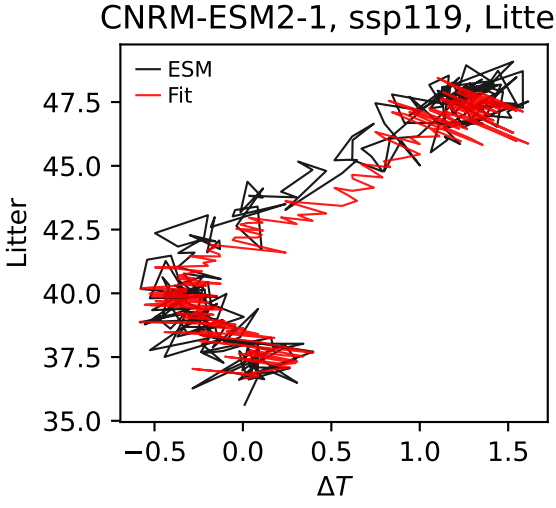

CNRM-ESM2-1, ssp119, GPP, ln(MSE/SIGMA)
941, -0.4186, 783.7113, 0.1400, 0.0079, 0.0932, 0.9854, 0.6338, 0
CNRM-ESM2-1
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.8
22.2
21.6
21.0
20.4
19.8
19.2
18.6
18.0

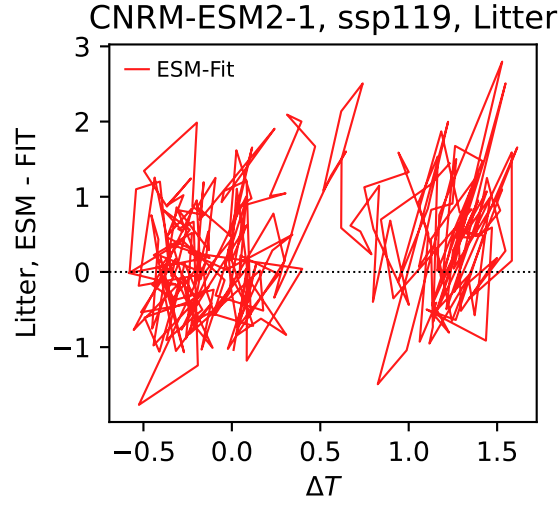

CNRM-ESM2-1, ssp119, GPP, ln(MSE/SIGMA)
941, -0.4186, 783.7113, 0.1400, 0.0079, 0.0932, 0.9854, 0.6338, 0
0.04
0.02
0.00
−0.02
−0.04
gpp_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
gpp_c_tan
20.175
20.130
20.085
20.040
19.995
19.950
19.905
19.860
19.815
19.770

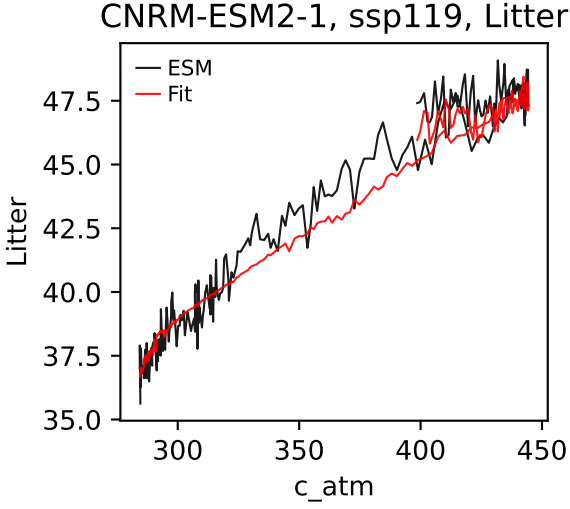

CNRM-ESM2-1, ssp119, GPP, ln(MSE/SIGMA)
941, -0.4186, 783.7113, 0.1400, 0.0079, 0.0932, 0.9854, 0.6338, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
gpp_slow
0.90
0.92
0.94
0.96
0.98
1.00
gpp_fast
20.180
20.168
20.156
20.144
20.132
20.120
20.108
20.096
20.084
CNRM-ESM2-

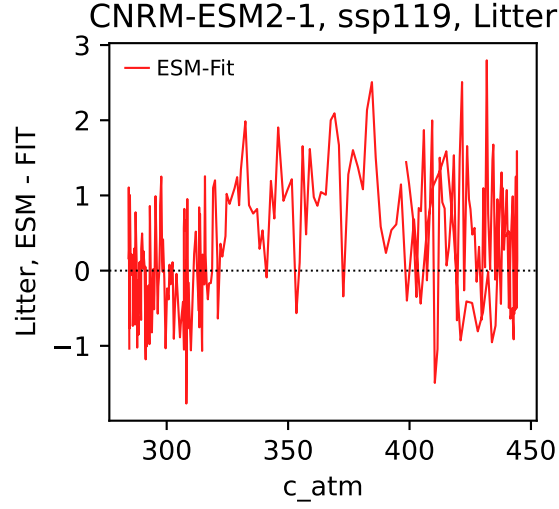

CNRM-ESM2-1, ssp119, Litter
ESM
Fit
Litter
Year

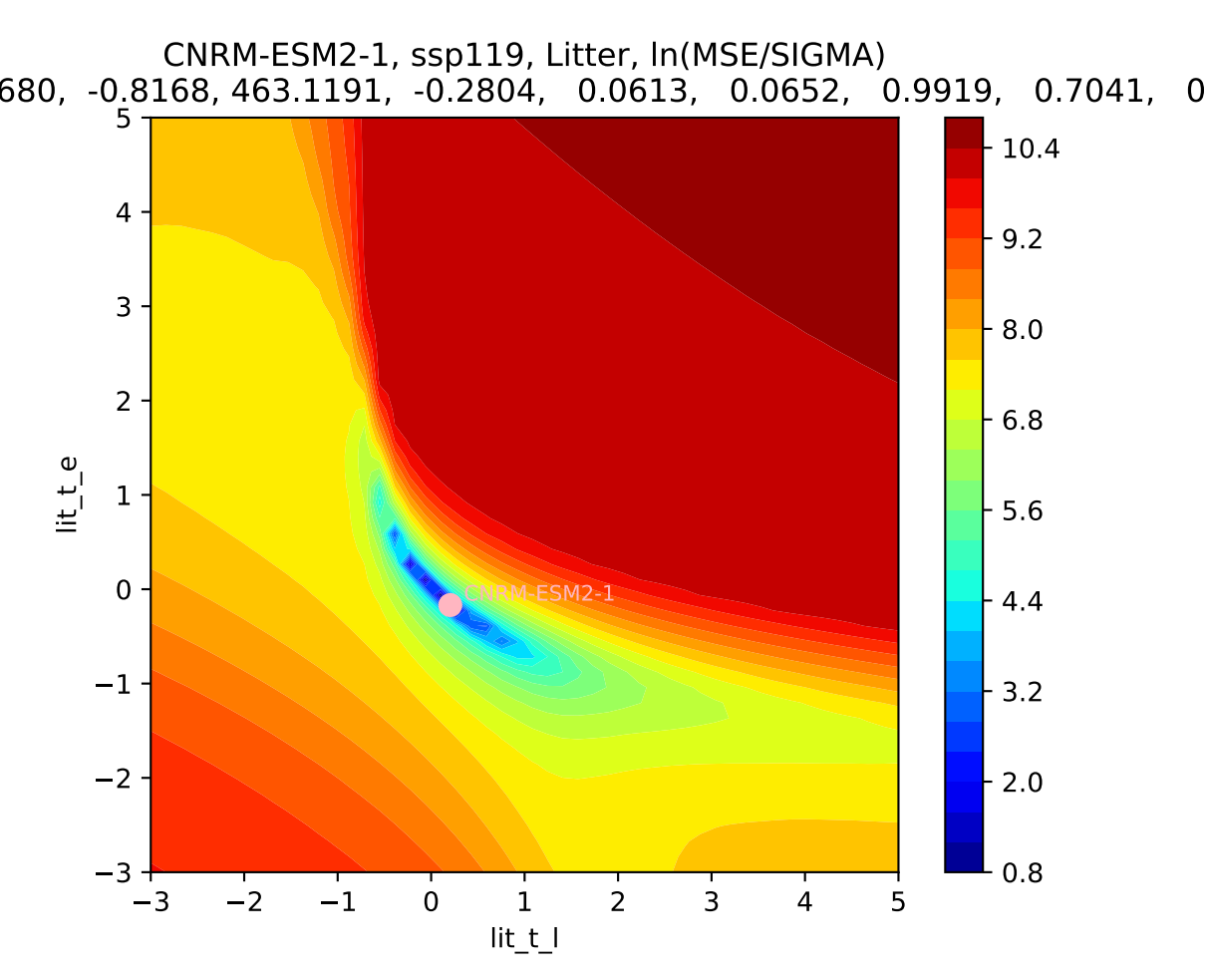

CNRM-ESM2-1, ssp119, Litter
ESM-Fit
Litter, ESM - FIT
Year

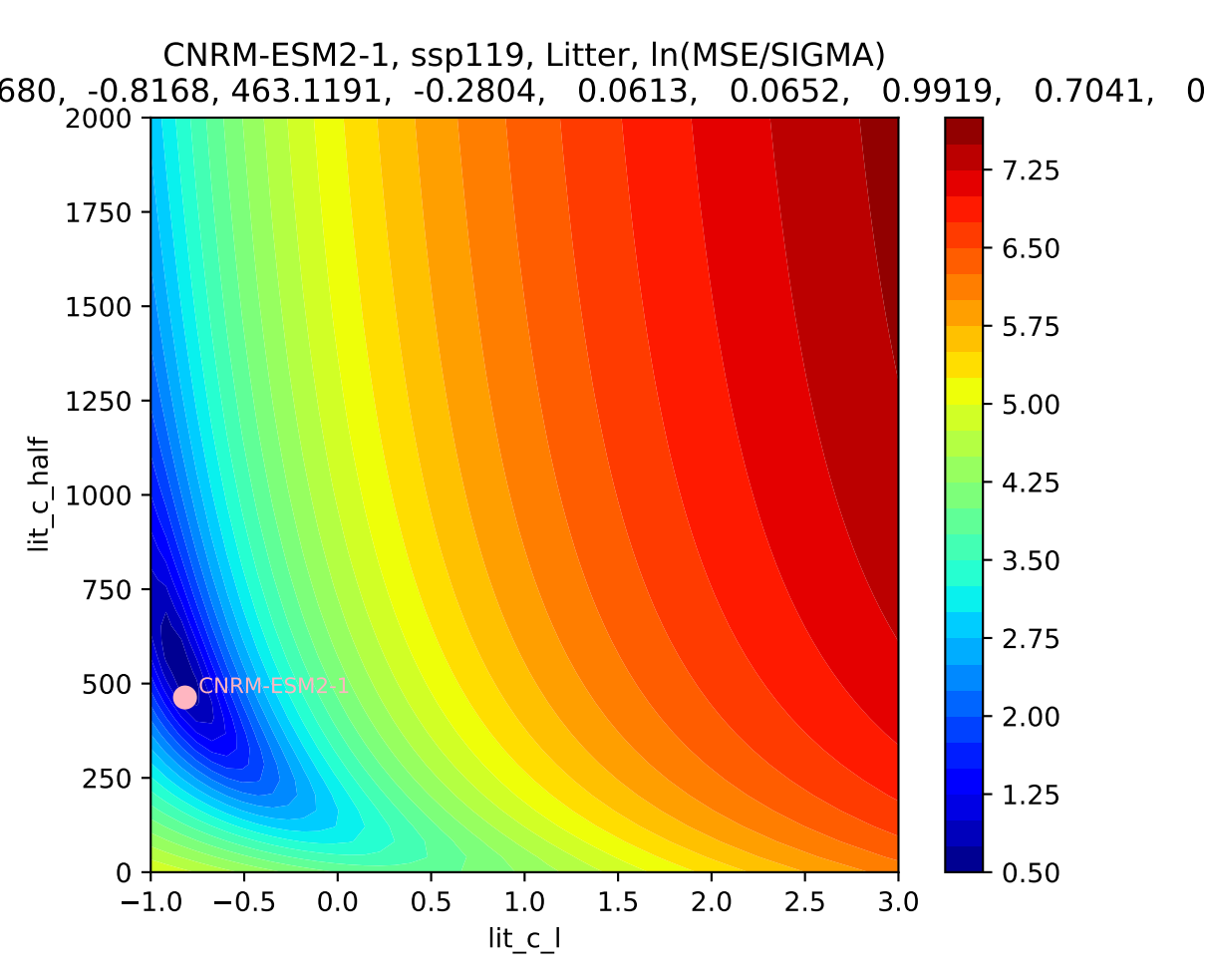

CNRM-ESM2-1, ssp119, Litter
ESM
Fit
Litter
ΔT

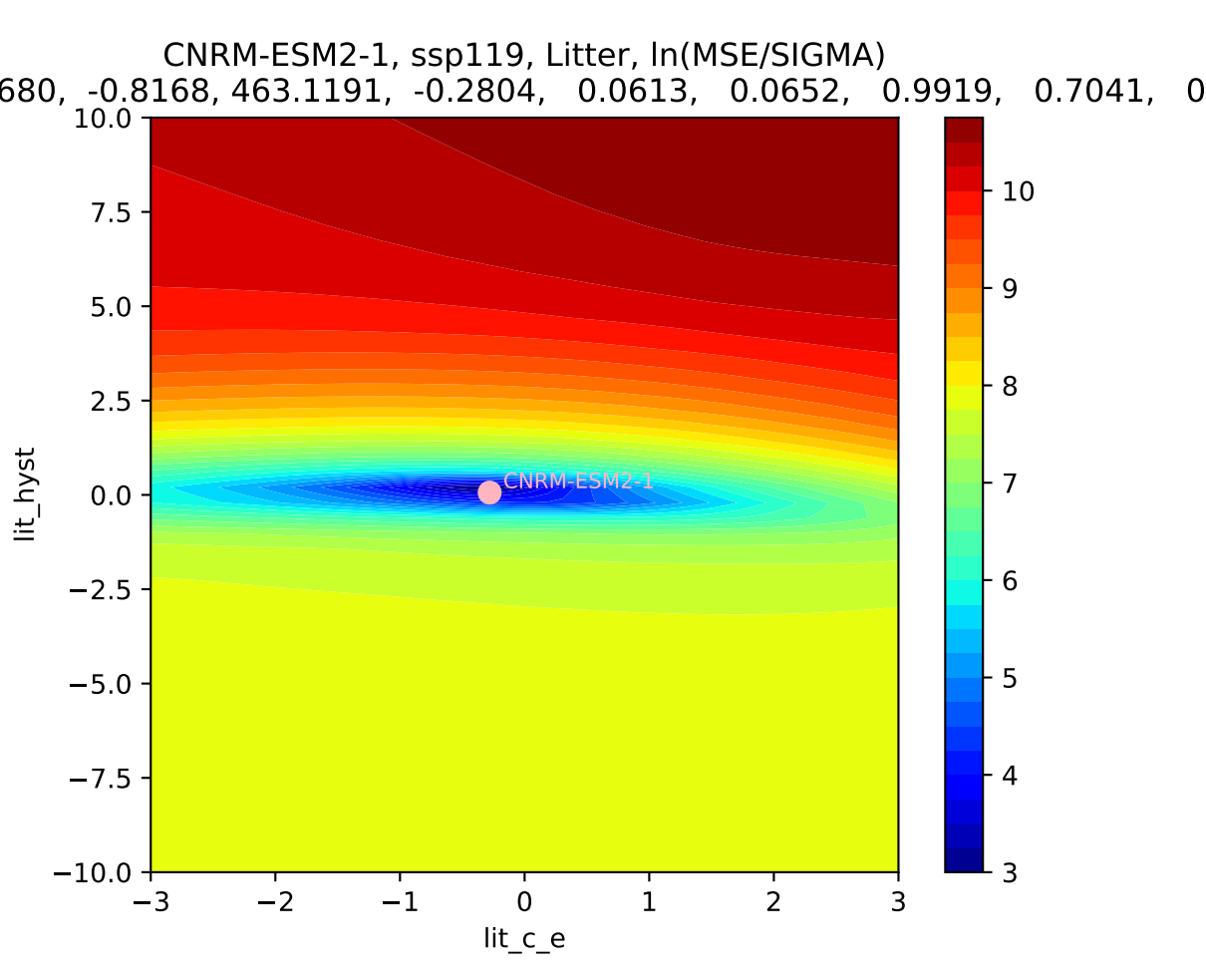

CNRM-ESM2-1, ssp119, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

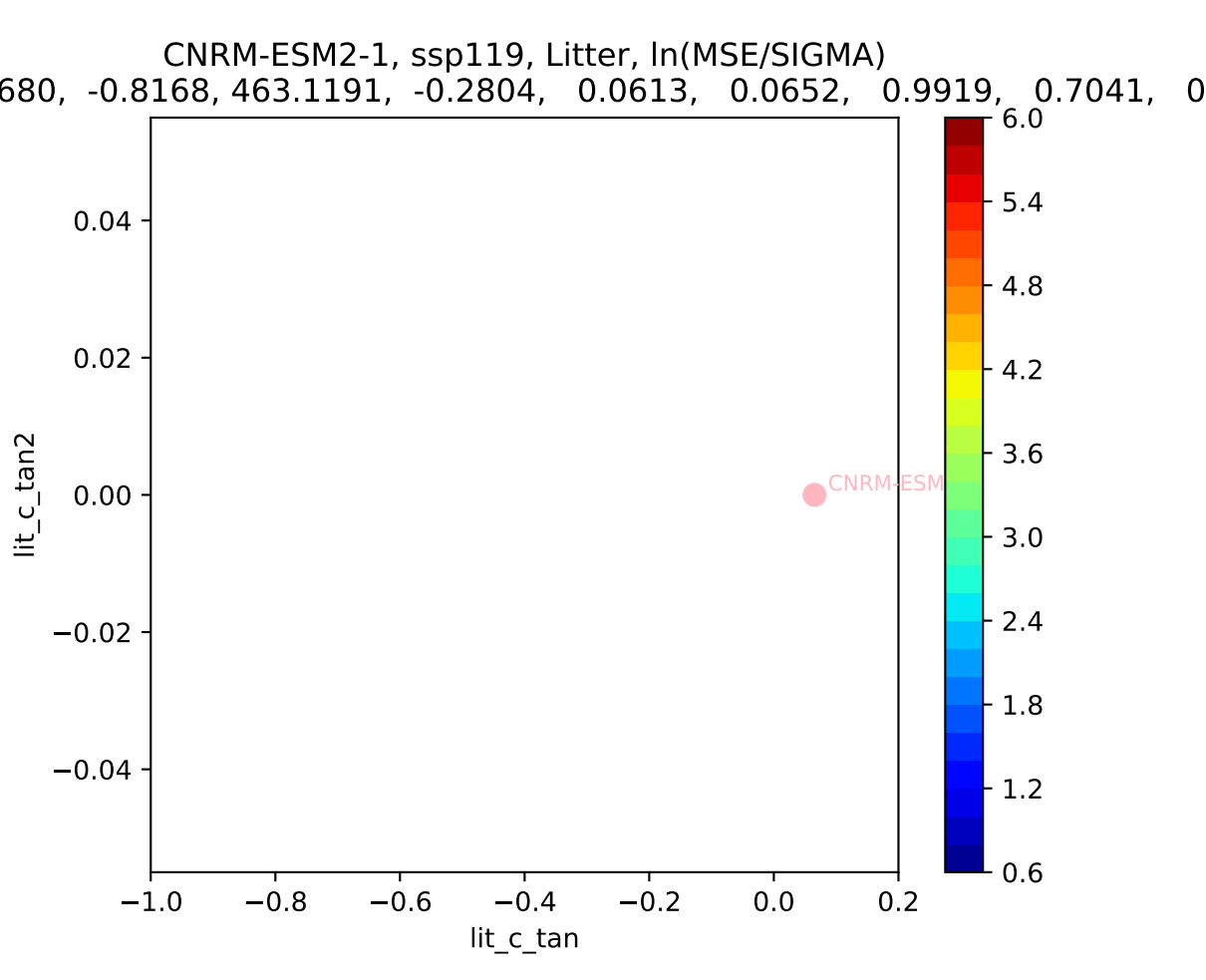

CNRM-ESM2-1, ssp119, Litter
ESM
Fit
Litter
c_atm

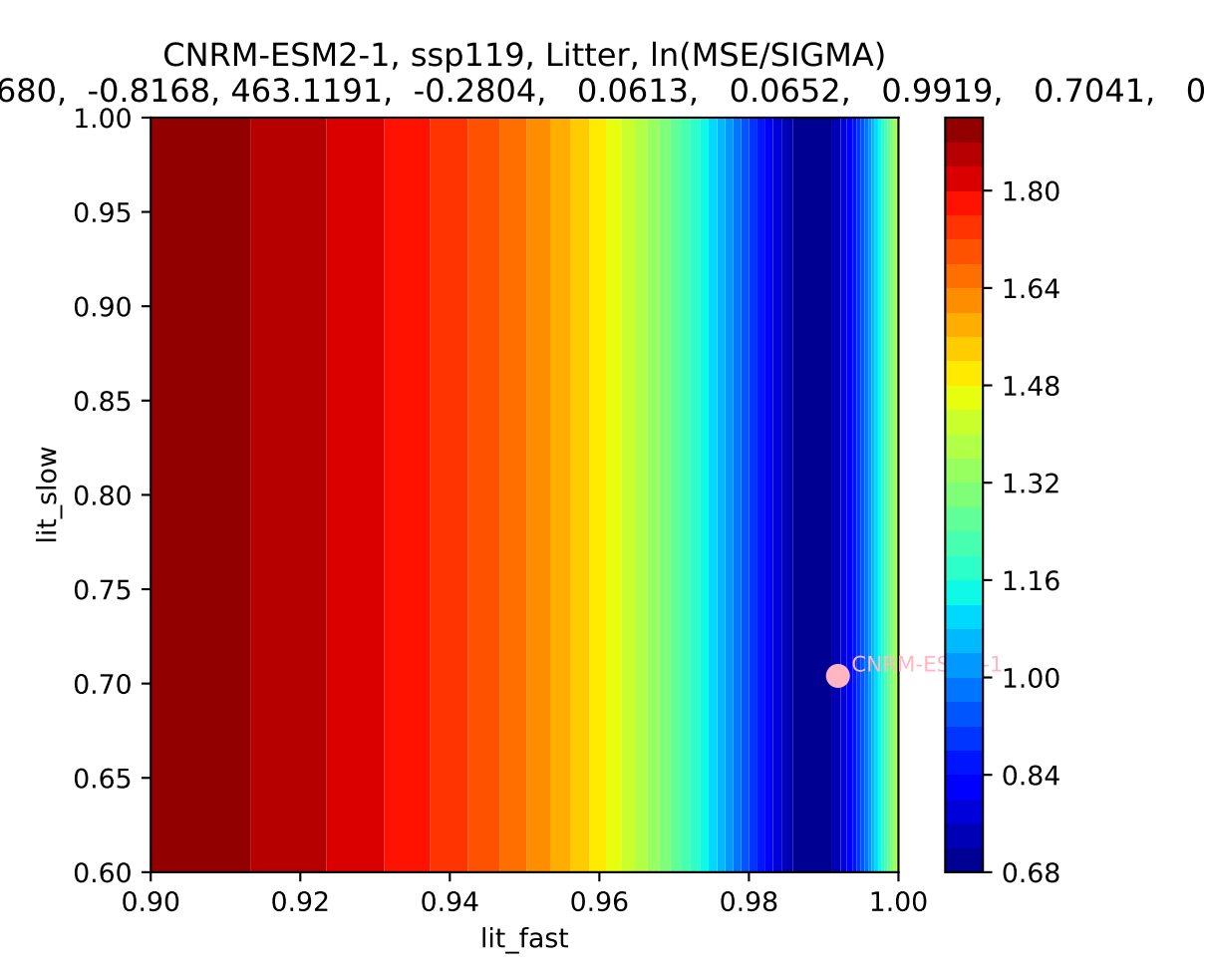

CNRM-ESM2-1, ssp119, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

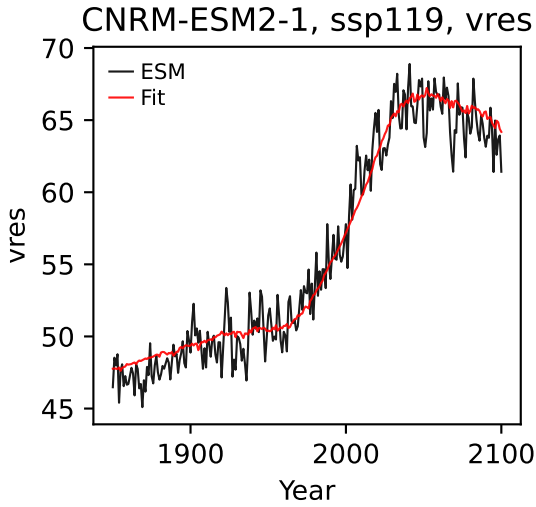

CNRM-ESM2-1, ssp119, Litter, ln(MSE/SIGMA)
680, -0.8168, 463.1191, -0.2804, 0.0613, 0.0652, 0.9919, 0.7041, 0
CNRM-ESM2-1
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
10.4
9.2
8.0
6.8
5.6
4.4
3.2
2.0
0.8

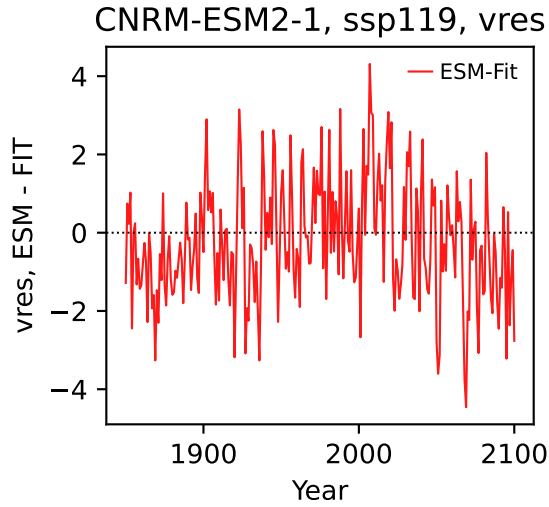

CNRM-ESM2-1, ssp119, Litter, ln(MSE/SIGMA)
680, -0.8168, 463.1191, -0.2804, 0.0613, 0.0652, 0.9919, 0.7041, 0
lit_c_half
lit_c_l
CNRM-ESM2-1
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7.25
6.50
5.75
5.00
4.25
3.50
2.75
2.00
1.25
0.50

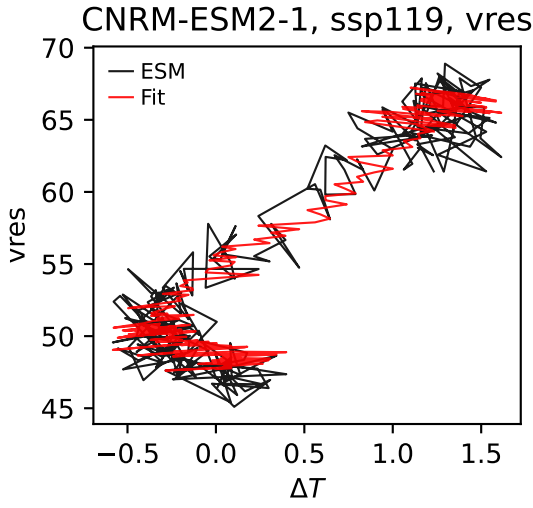

CNRM-ESM2-1, ssp119, Litter, ln(MSE/SIGMA)
680, -0.8168, 463.1191, -0.2804, 0.0613, 0.0652, 0.9919, 0.7041, 0
CNRM-ESM2-1
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10
9
8
7
6
5
4
3

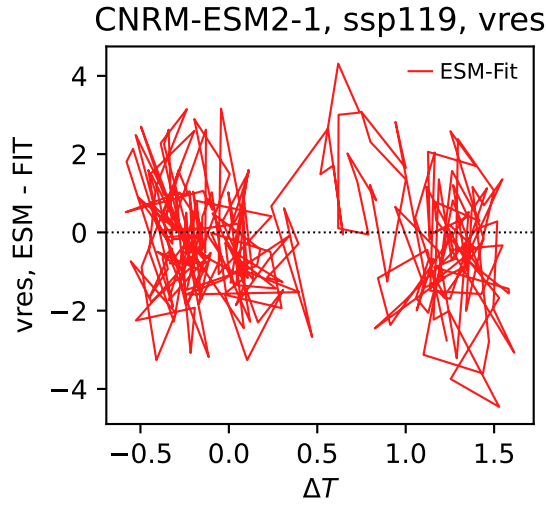

CNRM-ESM2-1, ssp119, Litter, ln(MSE/SIGMA)
680, -0.8168, 463.1191, -0.2804, 0.0613, 0.0652, 0.9919, 0.7041, 0
0.04
0.02
0.00
−0.02
−0.04
lit_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
lit_c_tan
6.0
5.4
4.8
4.2
3.6
3.0
2.4
1.8
1.2
0.6

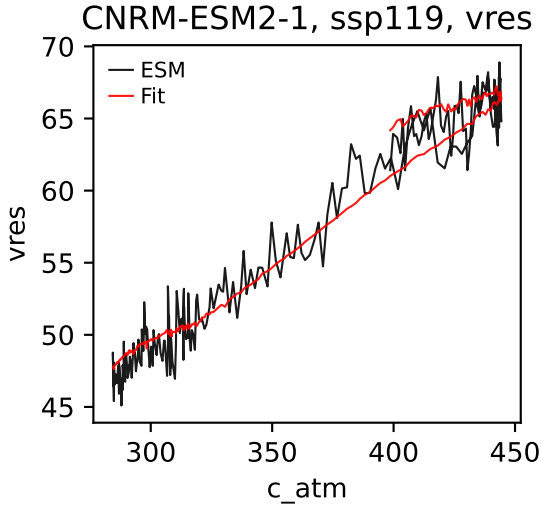

CNRM-ESM2-1, ssp119, Litter, ln(MSE/SIGMA)
680, -0.8168, 463.1191, -0.2804, 0.0613, 0.0652, 0.9919, 0.7041, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
0.90
0.92
0.94
0.96
0.98
1.00
lit_fast
1.80
1.64
1.48
1.32
1.16
1.00
0.84
0.68

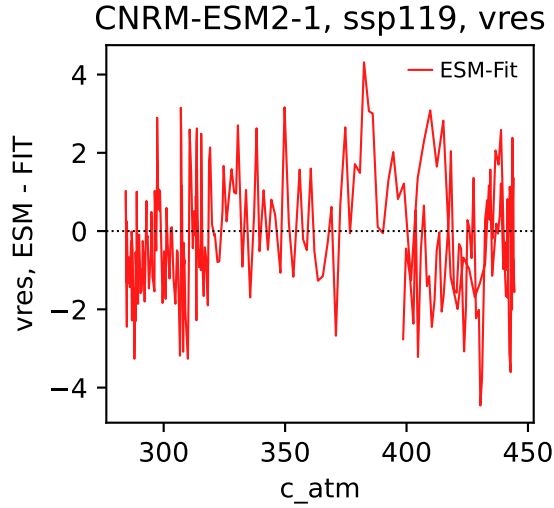

CNRM-ESM2-1, ssp119, vres
ESM
Fit
vres
Year

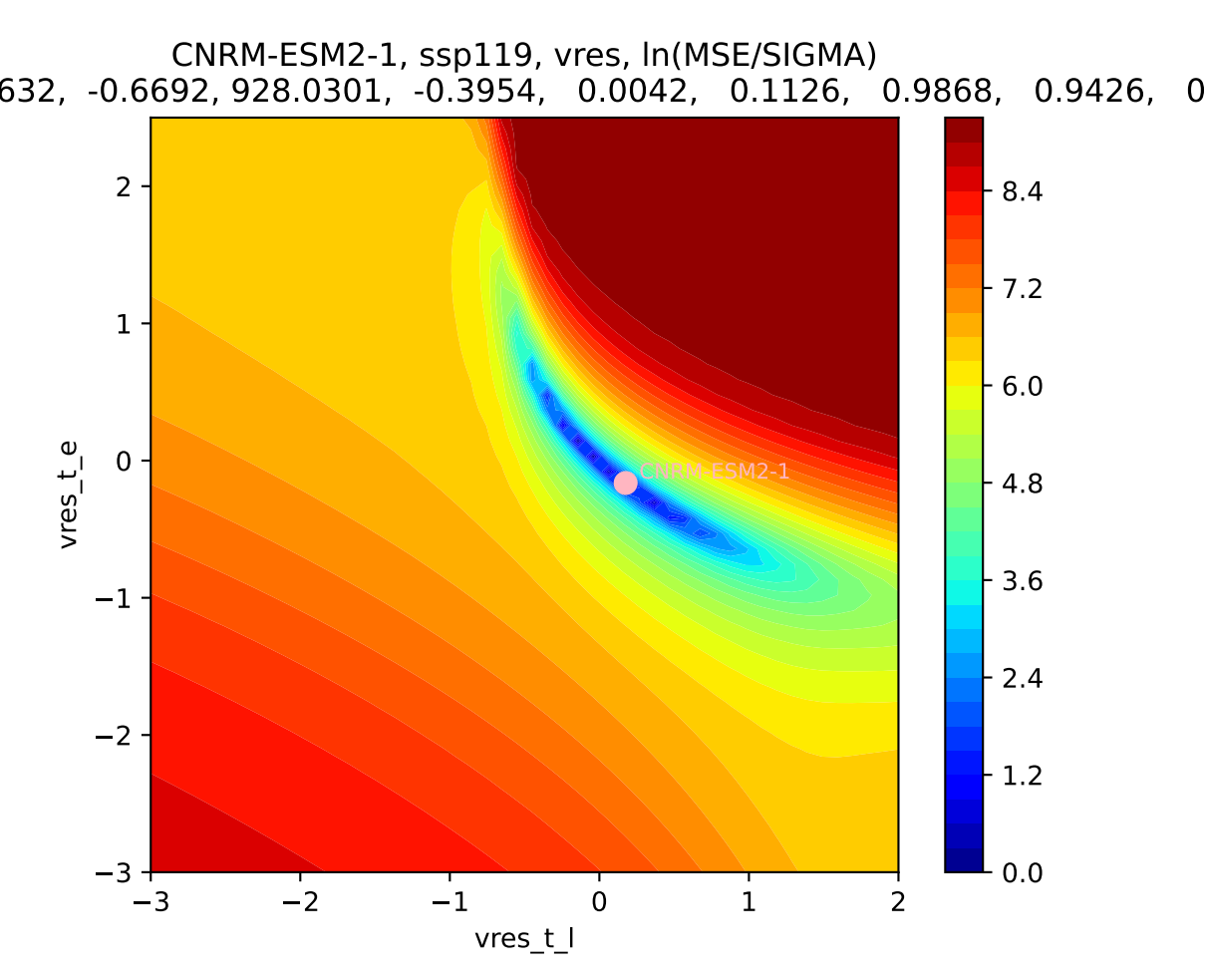

CNRM-ESM2-1, ssp119, vres
ESM-Fit
vres, ESM - FIT
Year

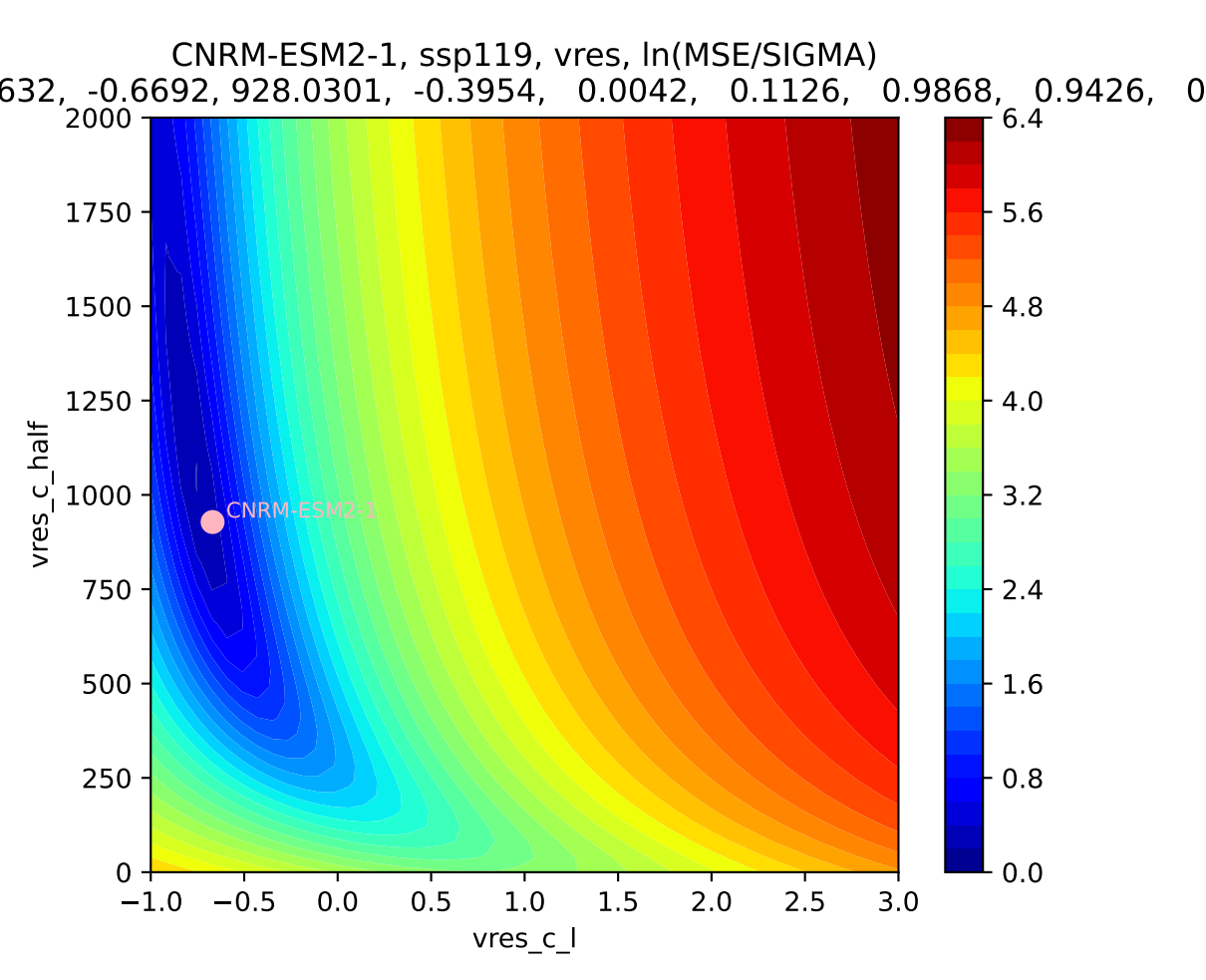

CNRM-ESM2-1, ssp119, vres
ESM
Fit
vres
ΔT

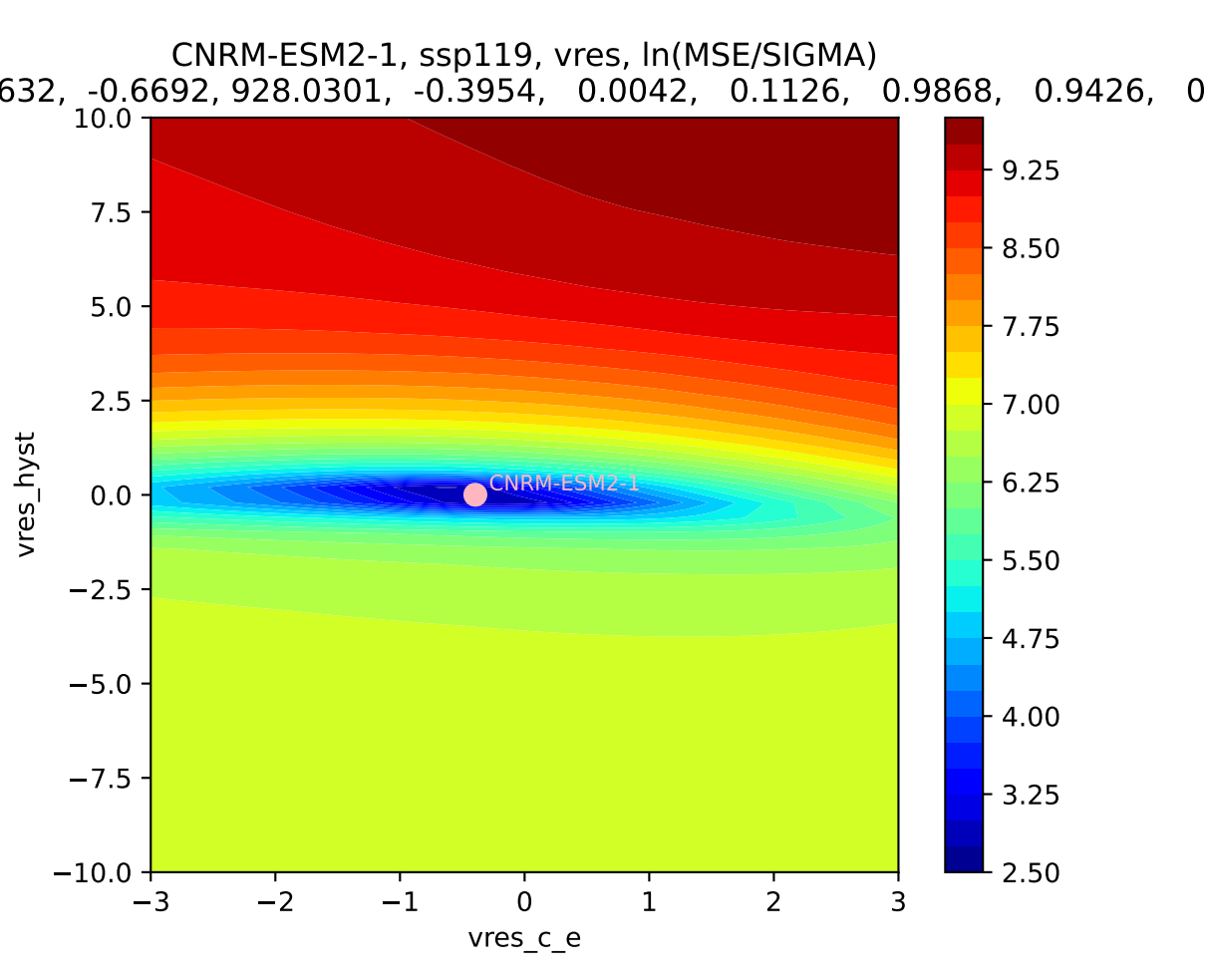

CNRM-ESM2-1, ssp119, vres
ESM-Fit
vres, ESM - FIT
ΔT

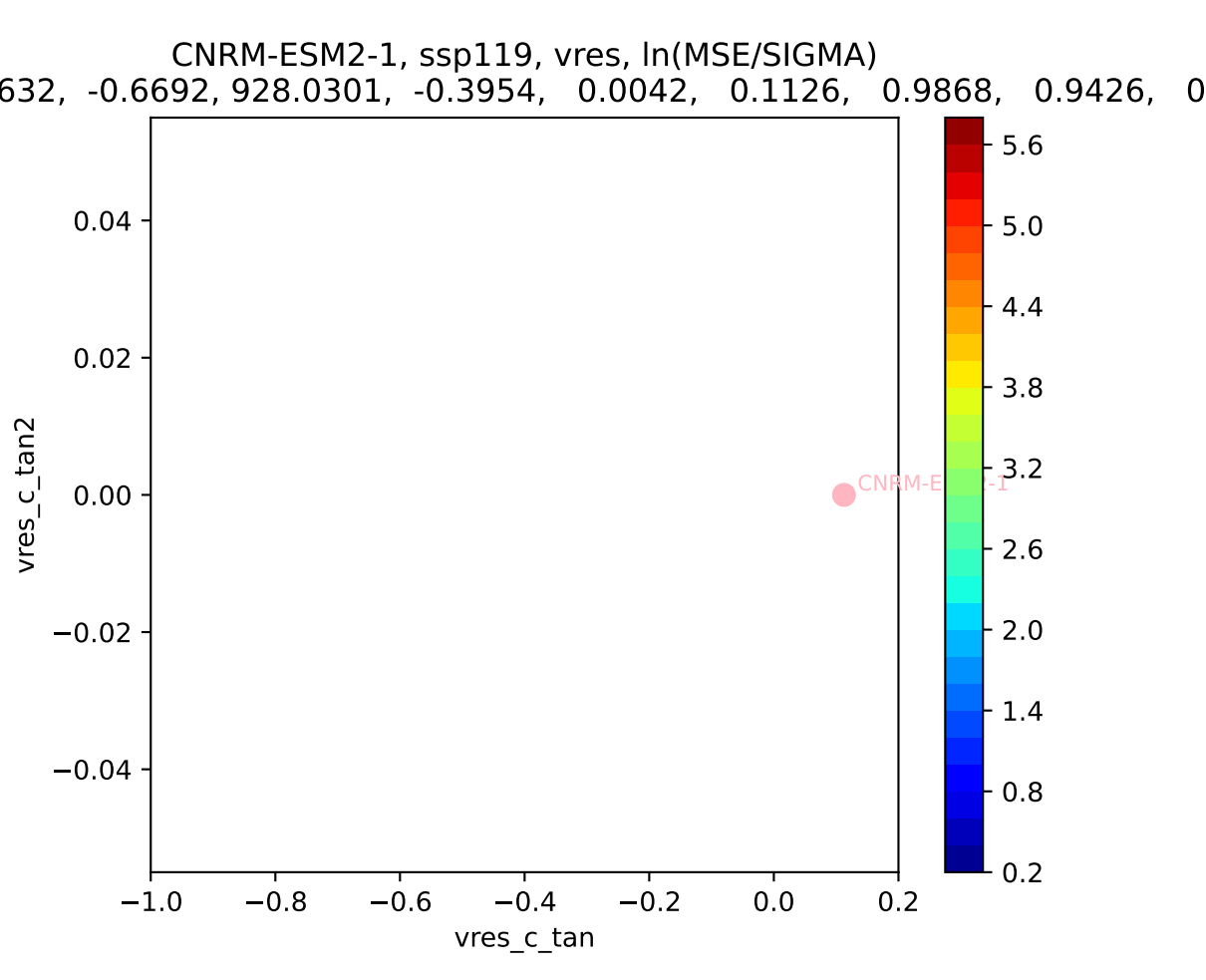

CNRM-ESM2-1, ssp119, vres
ESM
Fit
vres
c_atm

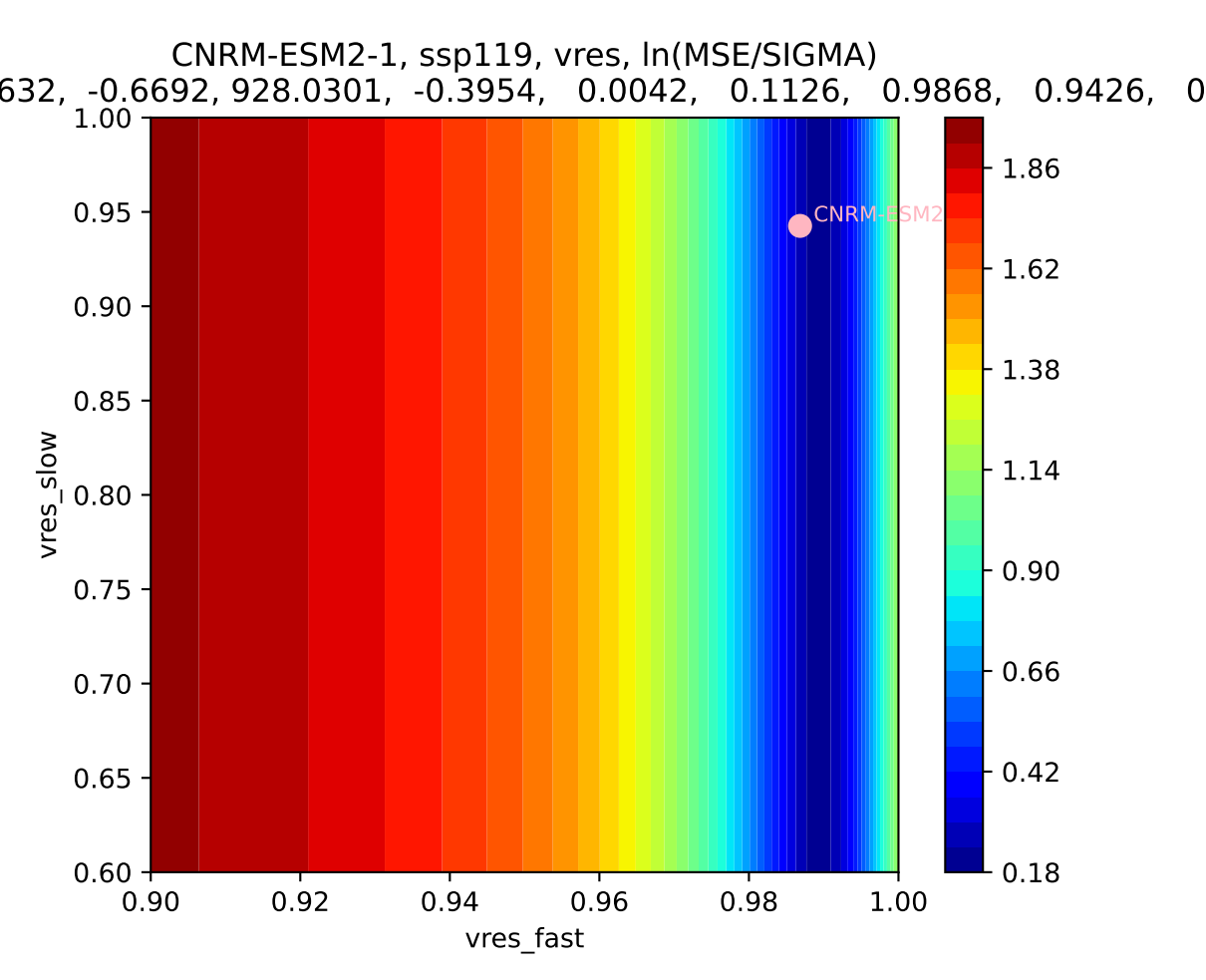

CNRM-ESM2-1, ssp119, vres
ESM-Fit
vres, ESM - FIT
c_atm

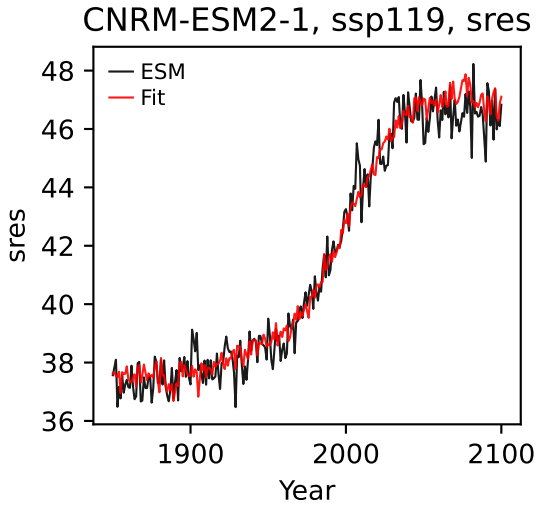

CNRM-ESM2-1, ssp119, vres, ln(MSE/SIGMA)
632, -0.6692, 928.0301, -0.3954, 0.0042, 0.1126, 0.9868, 0.9426, 0
CNRM-ESM2-1
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

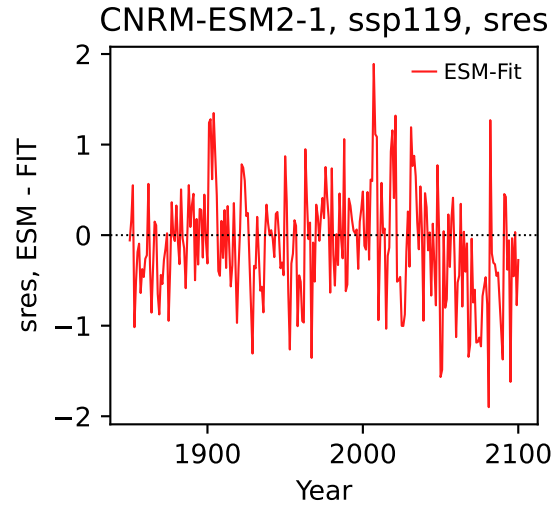

CNRM-ESM2-1, ssp119, vres, ln(MSE/SIGMA)
632, -0.6692, 928.0301, -0.3954, 0.0042, 0.1126, 0.9868, 0.9426, 0
CNRM-ESM2-1
vres_c_half
vres_c_l
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
6.4
5.6
4.8
4.0
3.2
2.4
1.6
0.8
0.0

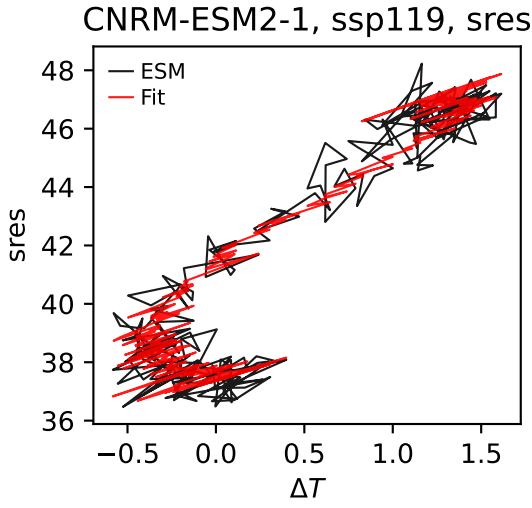

CNRM-ESM2-1, ssp119, vres, ln(MSE/SIGMA)
632, -0.6692, 928.0301, -0.3954, 0.0042, 0.1126, 0.9868, 0.9426, 0
CNRM-ESM2-1
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
9.25
8.50
7.75
7.00
6.25
5.50
4.75
4.00
3.25
2.50

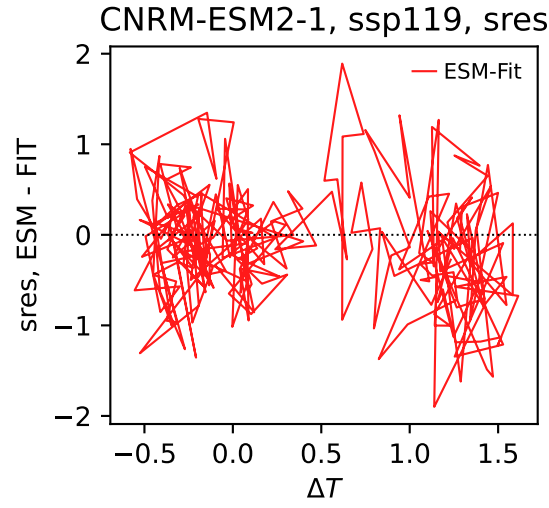

CNRM-ESM2-1, ssp119, vres, ln(MSE/SIGMA)
632, -0.6692, 928.0301, -0.3954, 0.0042, 0.1126, 0.9868, 0.9426, 0
0.04
0.02
0.00
−0.02
−0.04
vres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
vres_c_tan
5.6
5.0
4.4
3.8
3.2
2.6
2.0
1.4
0.8
0.2

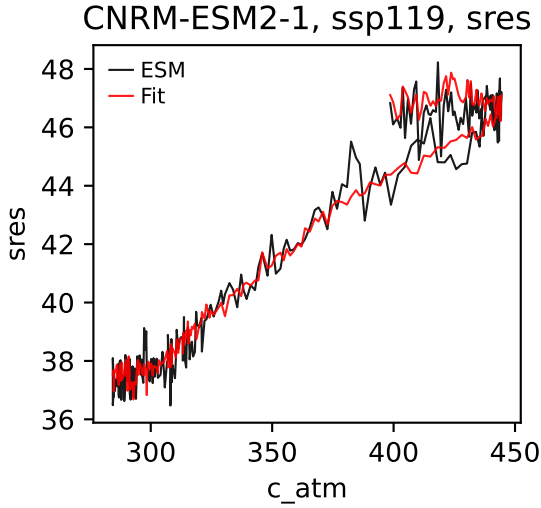

CNRM-ESM2-1, ssp119, vres, ln(MSE/SIGMA)
632, -0.6692, 928.0301, -0.3954, 0.0042, 0.1126, 0.9868, 0.9426, 0
CNRM-ESM2
1.86
1.62
1.38
1.14
0.90
0.66
0.42
0.18
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
0.90
0.92
0.94
0.96
0.98
1.00
vres_fast

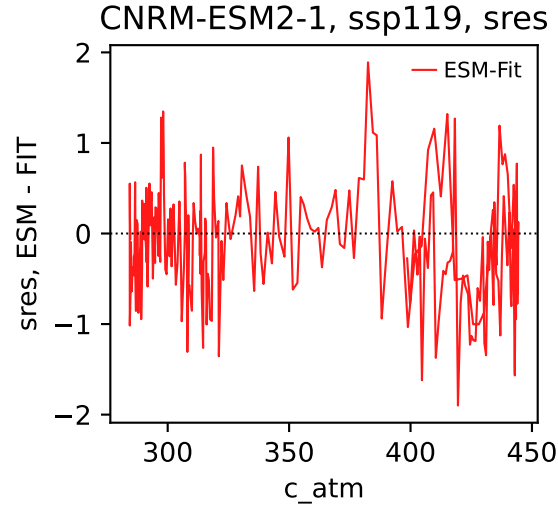

CNRM-ESM2-1, ssp119, sres
ESM
Fit
sres
Year

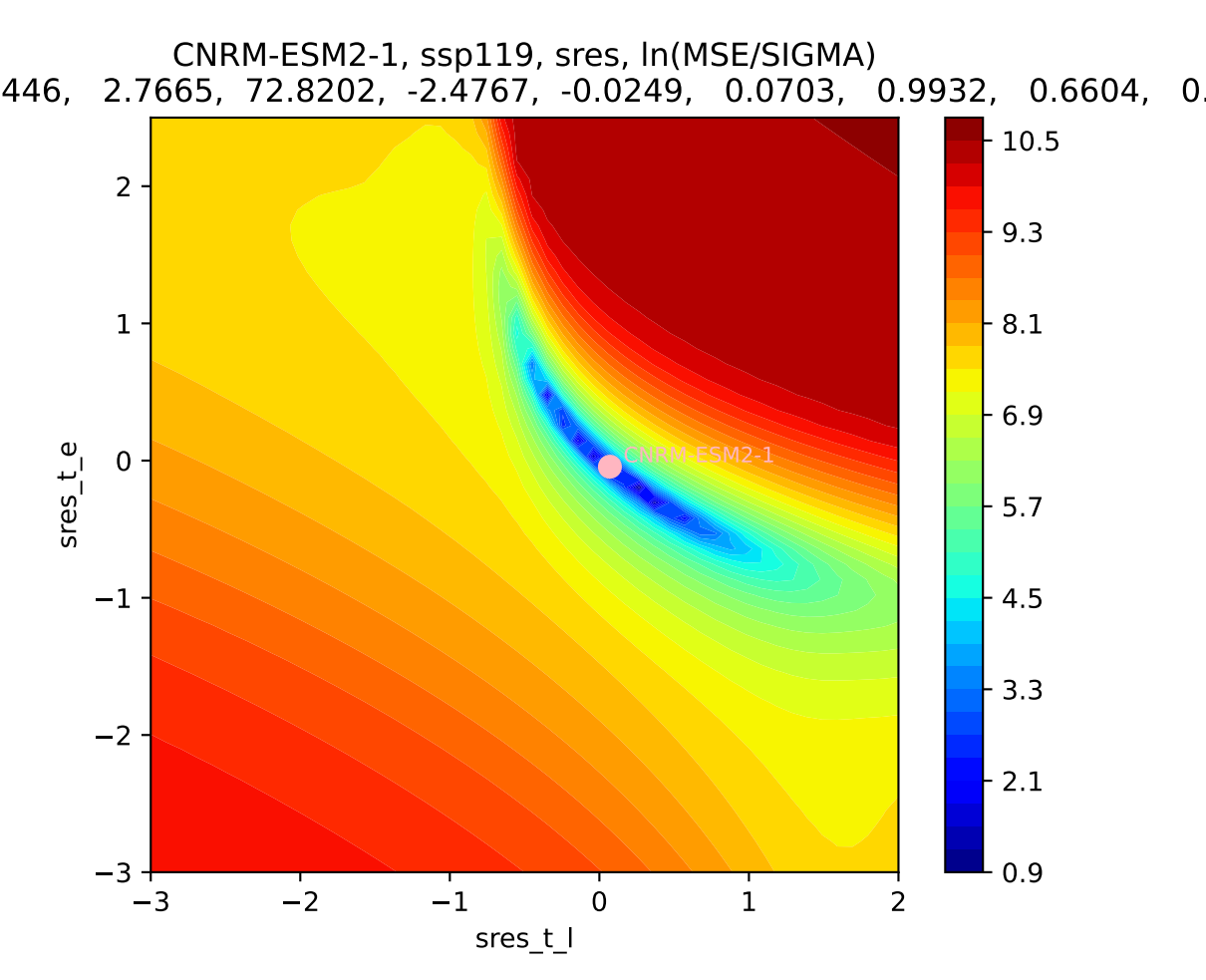

CNRM-ESM2-1, ssp119, sres
ESM-Fit
sres, ESM - FIT
Year

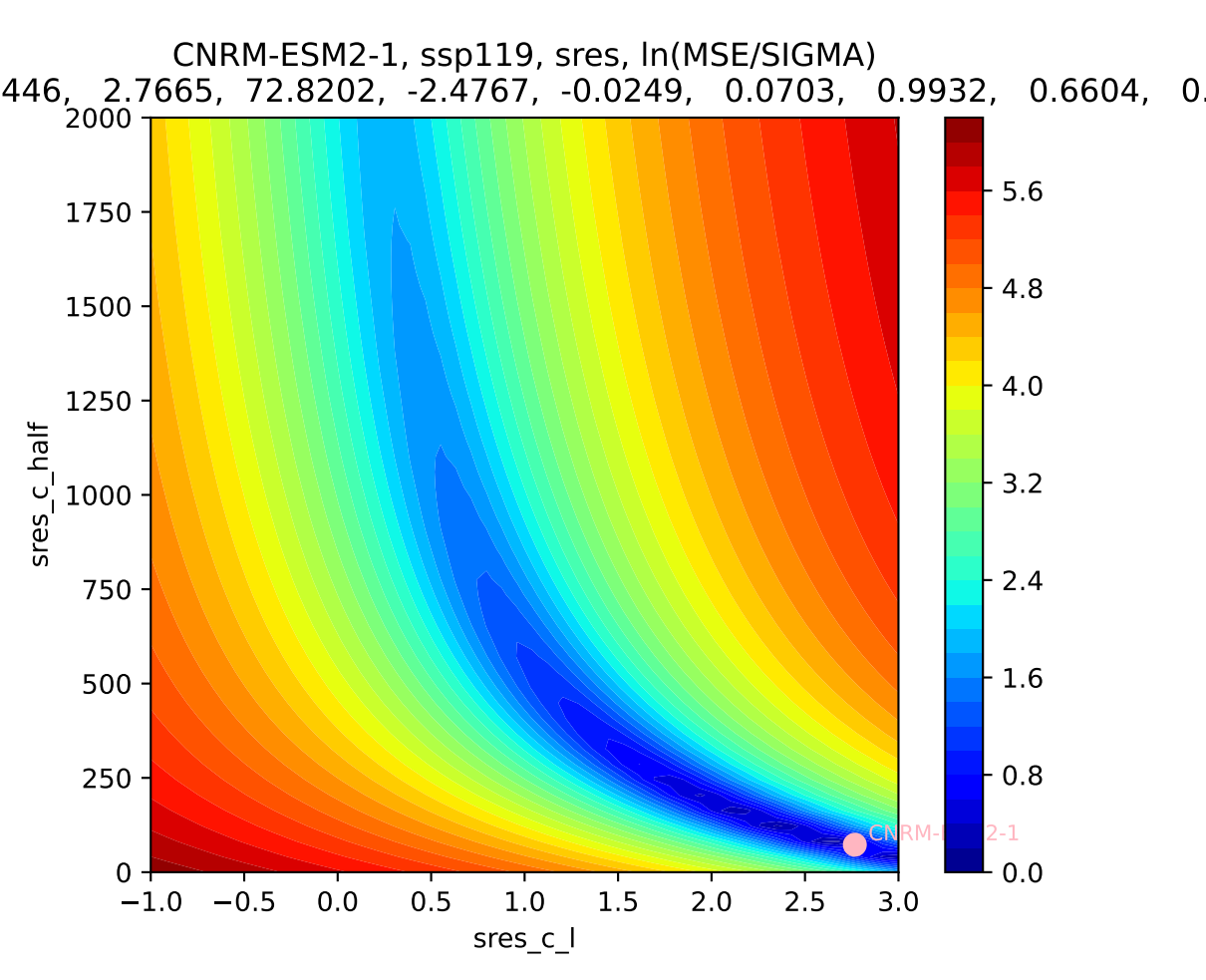

CNRM-ESM2-1, ssp119, sres
ESM
Fit
sres
ΔT

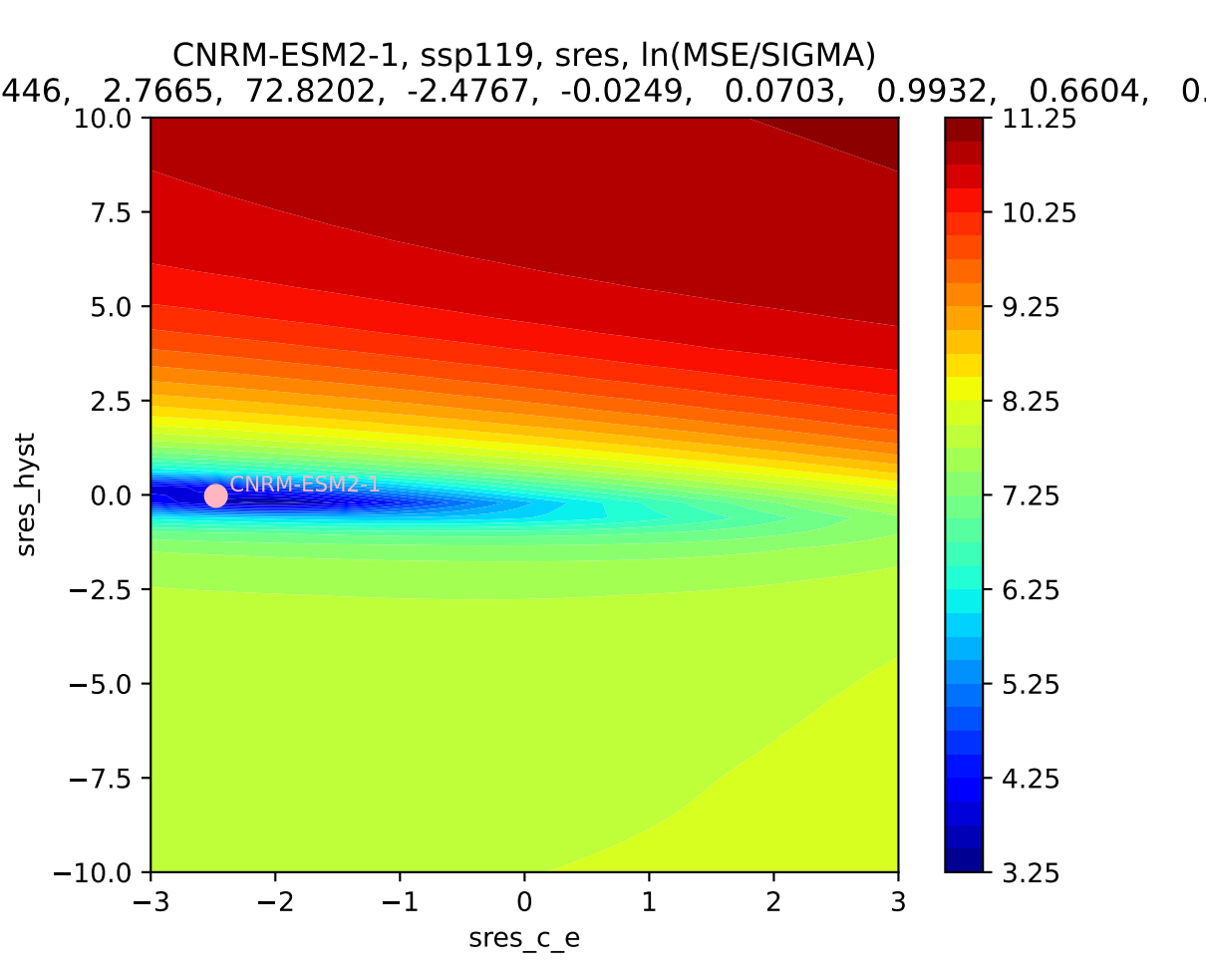

CNRM-ESM2-1, ssp119, sres
ESM-Fit
sres, ESM - FIT
ΔT

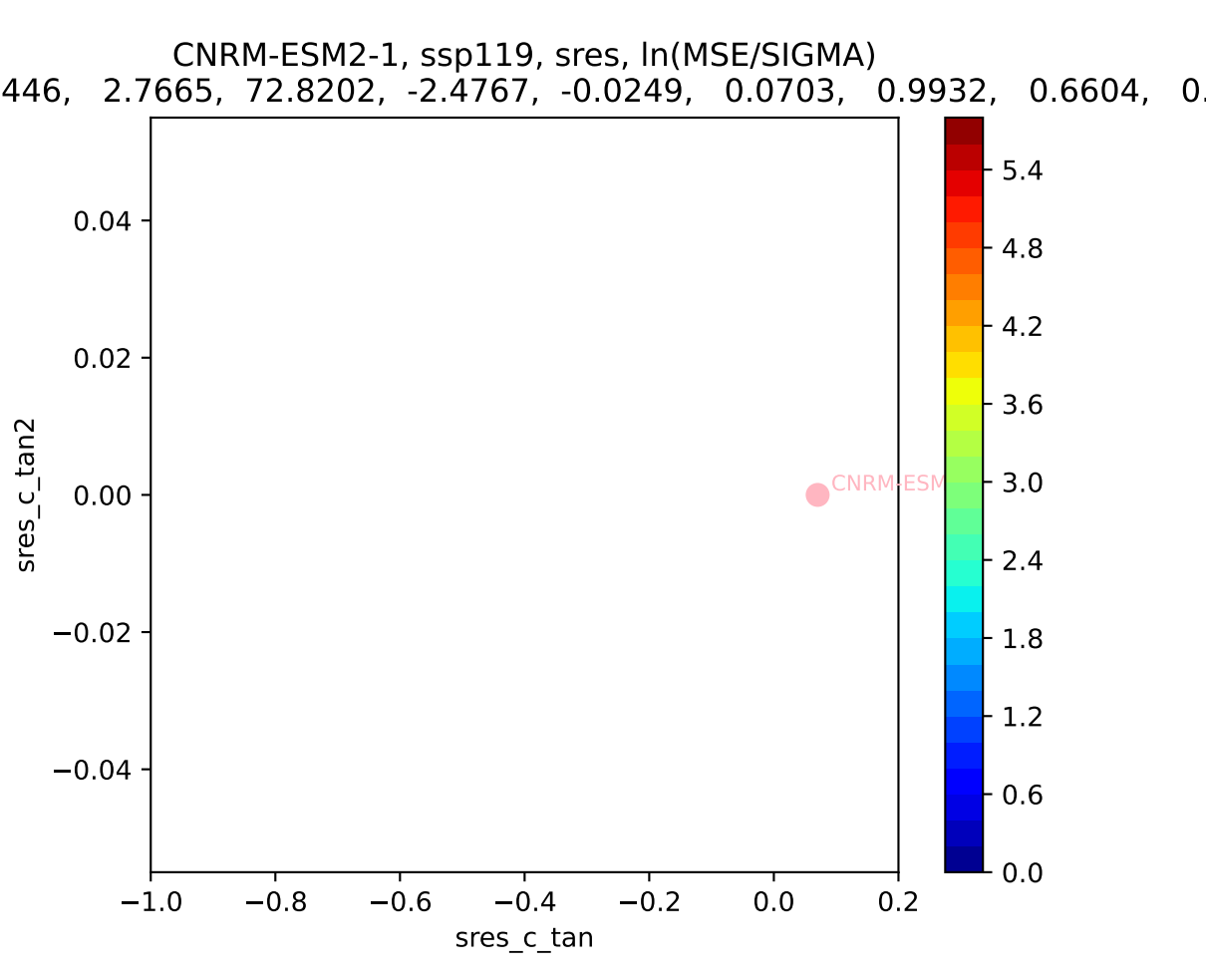

CNRM-ESM2-1, ssp119, sres
ESM
Fit
sres
c_atm

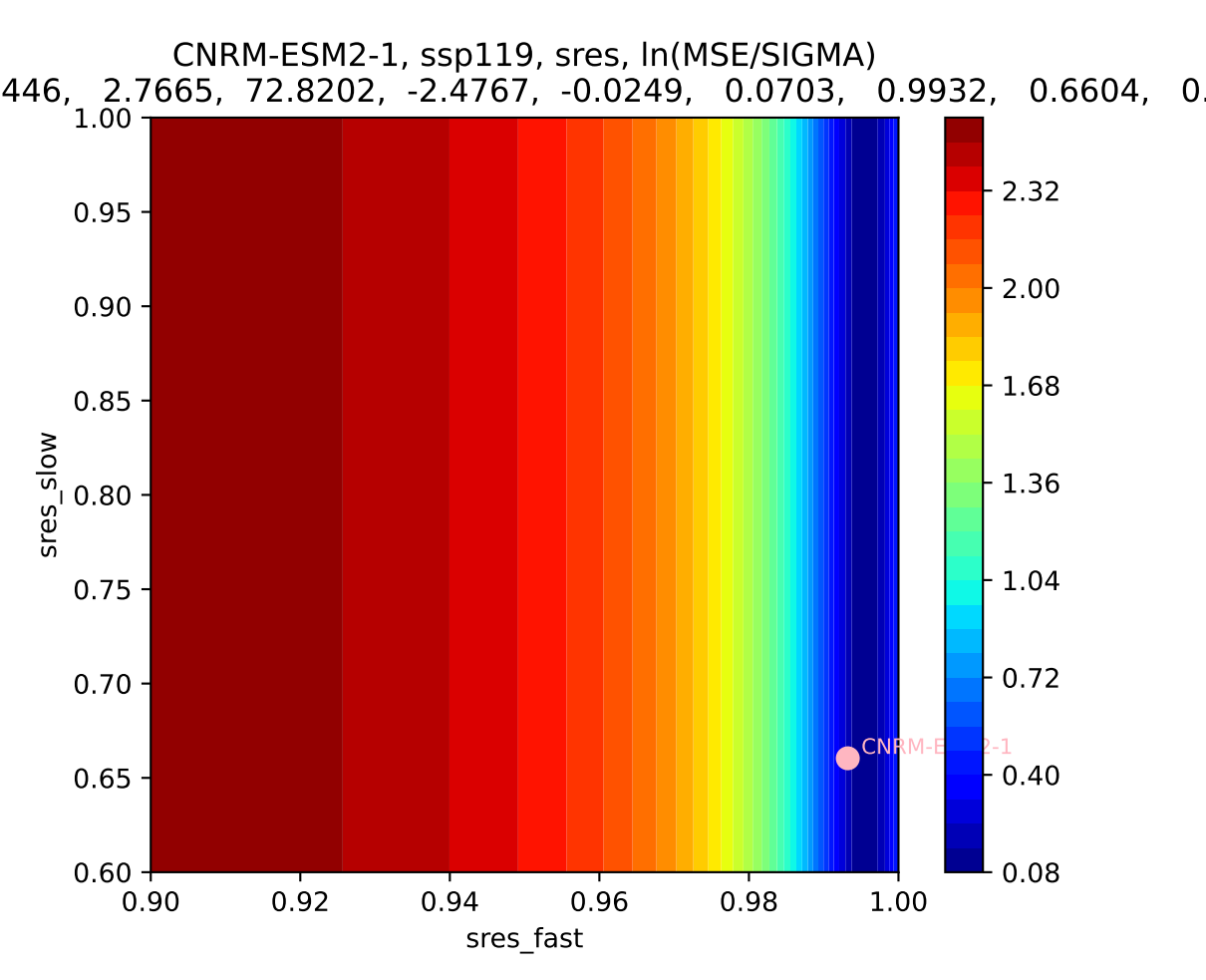

CNRM-ESM2-1, ssp119, sres
ESM-Fit
sres, ESM - FIT
c_atm

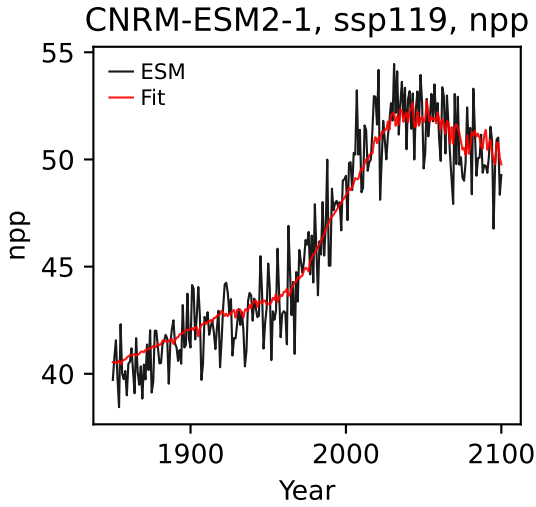

CNRM-ESM2-1, ssp119, sres, ln(MSE/SIGMA)
446, 2.7665, 72.8202, -2.4767, -0.0249, 0.0703, 0.9932, 0.6604, 0.
CNRM-ESM2-1
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
10.5
9.3
8.1
6.9
5.7
4.5
3.3
2.1
0.9

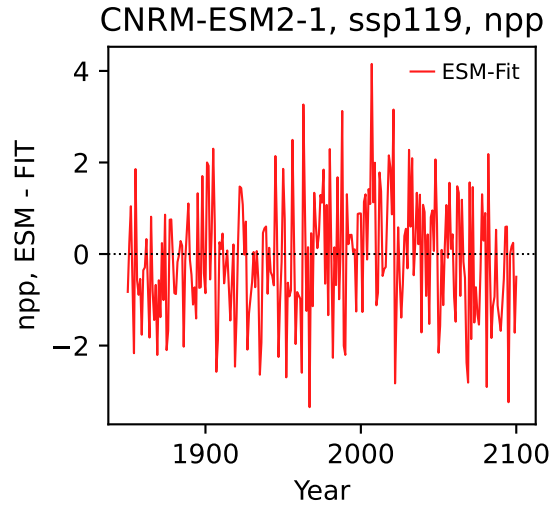

CNRM-ESM2-1, ssp119, sres, ln(MSE/SIGMA)
446, 2.7665, 72.8202, -2.4767, -0.0249, 0.0703, 0.9932, 0.6604, 0.
2000
1750
1500
1250
1000
750
500
250
0
sres_c_half
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
sres_c_l
5.6
4.8
4.0
3.2
2.4
1.6
0.8
0.0

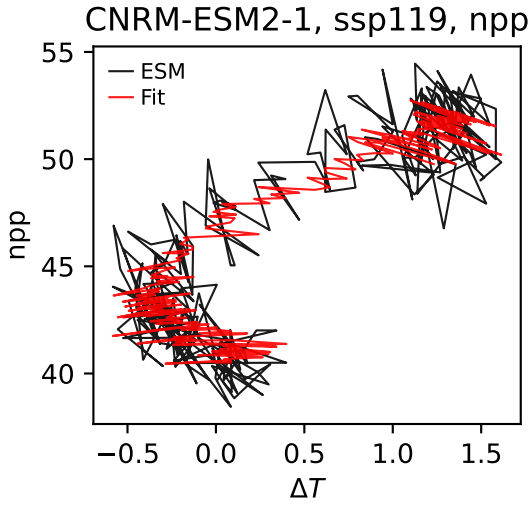

CNRM-ESM2-1, ssp119, sres, ln(MSE/SIGMA)
446, 2.7665, 72.8202, -2.4767, -0.0249, 0.0703, 0.9932, 0.6604, 0.
CNRM-ESM2-1
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.25
10.25
9.25
8.25
7.25
6.25
5.25
4.25
3.25

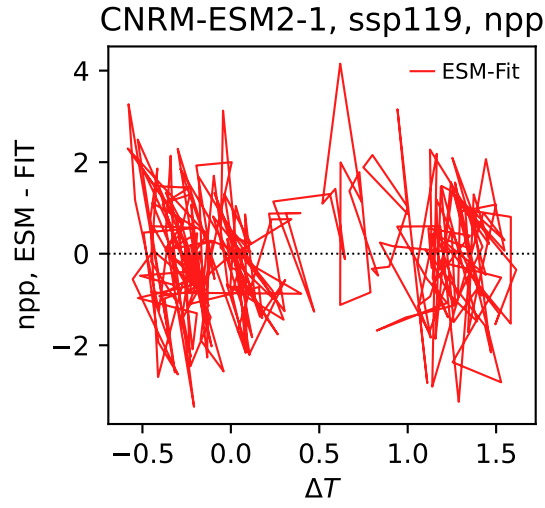

CNRM-ESM2-1, ssp119, sres, ln(MSE/SIGMA)
446, 2.7665, 72.8202, -2.4767, -0.0249, 0.0703, 0.9932, 0.6604, 0.
0.04
0.02
0.00
−0.02
−0.04
sres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
sres_c_tan
5.4
4.8
4.2
3.6
3.0
2.4
1.8
1.2
0.6
0.0

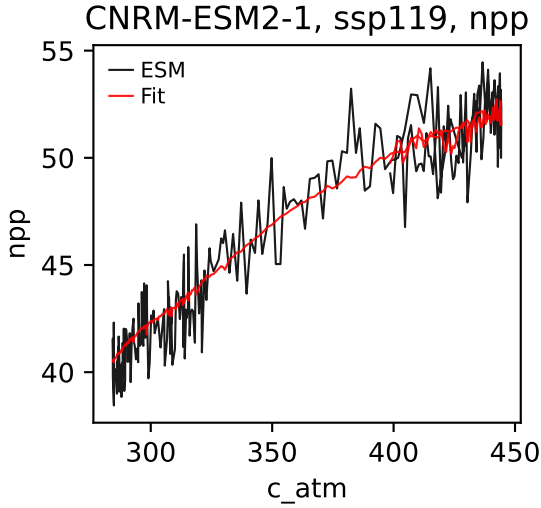

CNRM-ESM2-1, ssp119, sres, ln(MSE/SIGMA)
446, 2.7665, 72.8202, -2.4767, -0.0249, 0.0703, 0.9932, 0.6604, 0.
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
0.90
0.92
0.94
0.96
0.98
1.00
sres_fast
2.32
2.00
1.68
1.36
1.04
0.72
0.40
0.08

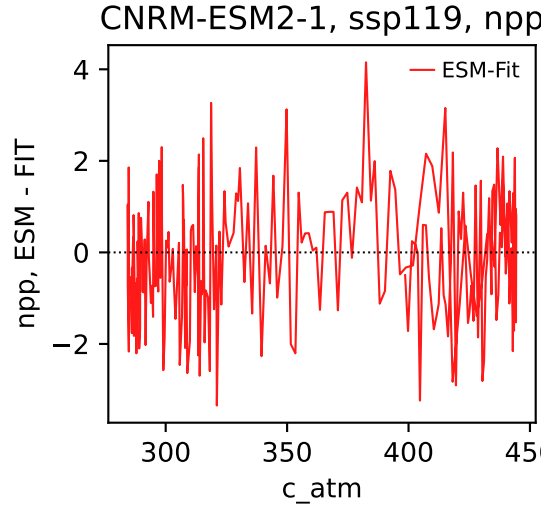

CNRM-ESM2-1, ssp119, npp
ESM
Fit
npp
Year
55
50
45
40
1900
2000
2100

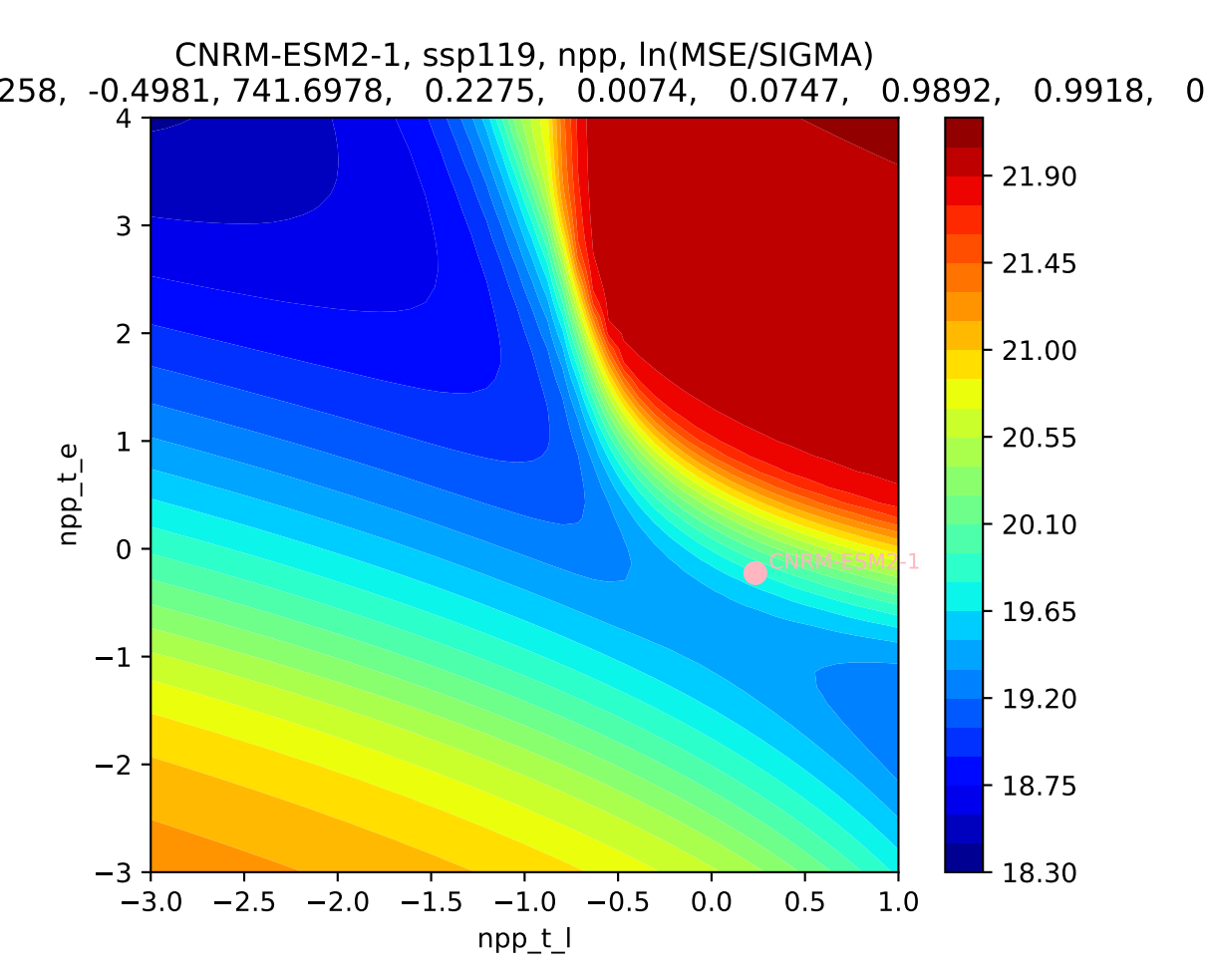

CNRM-ESM2-1, ssp119, npp
ESM-Fit
npp, ESM - FIT
Year
4
2
0
−2
1900
2000
2100

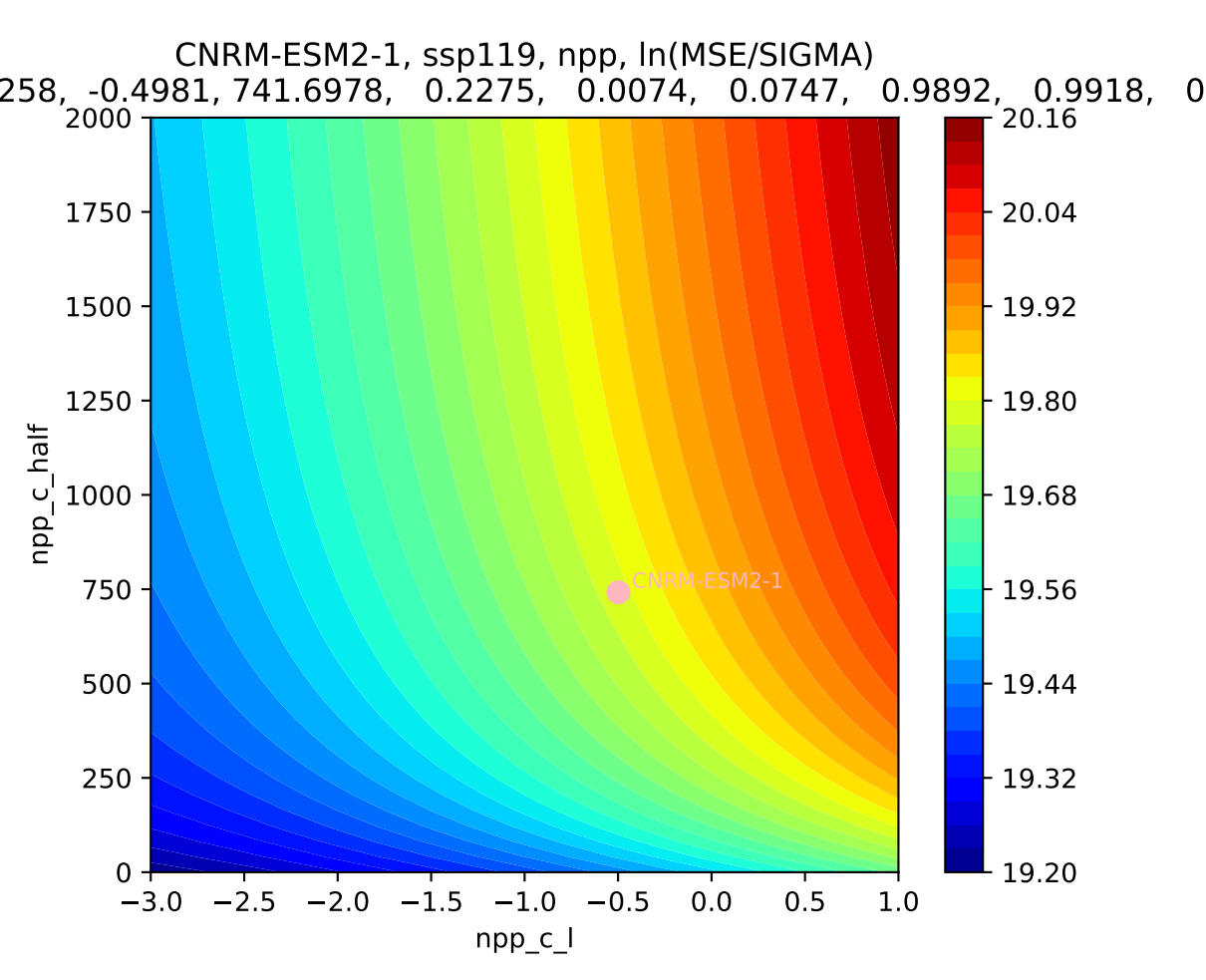

CNRM-ESM2-1, ssp119, npp
ESM
Fit
npp
ΔT
55
50
45
40
−0.5
0.0
0.5
1.0
1.5

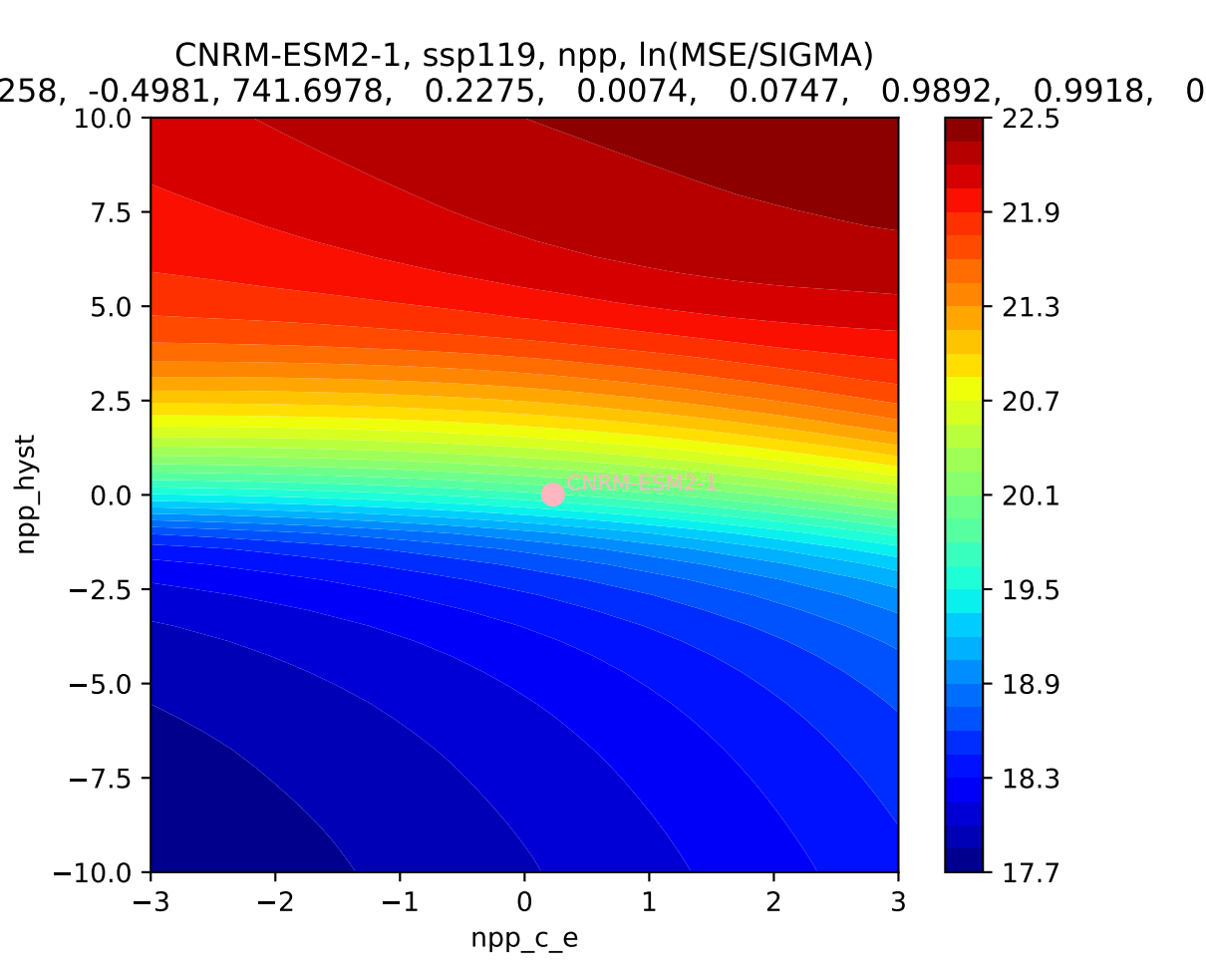

CNRM-ESM2-1, ssp119, npp
ESM-Fit
npp, ESM - FIT
ΔT
4
2
0
−2
−0.5
0.0
0.5
1.0
1.5

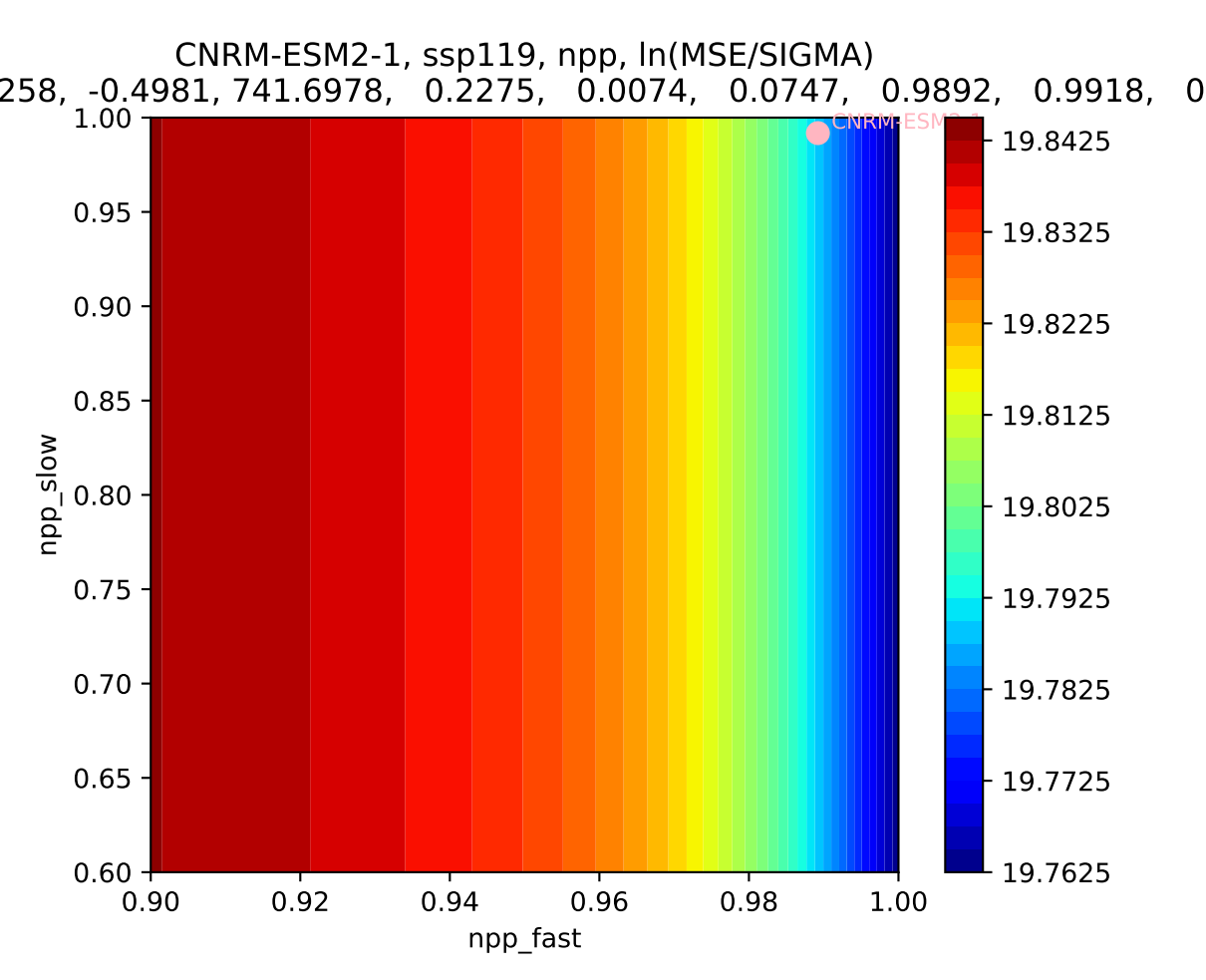

CNRM-ESM2-1, ssp119, npp
ESM
Fit
npp
c_atm
55
50
45
40
300
350
400
450

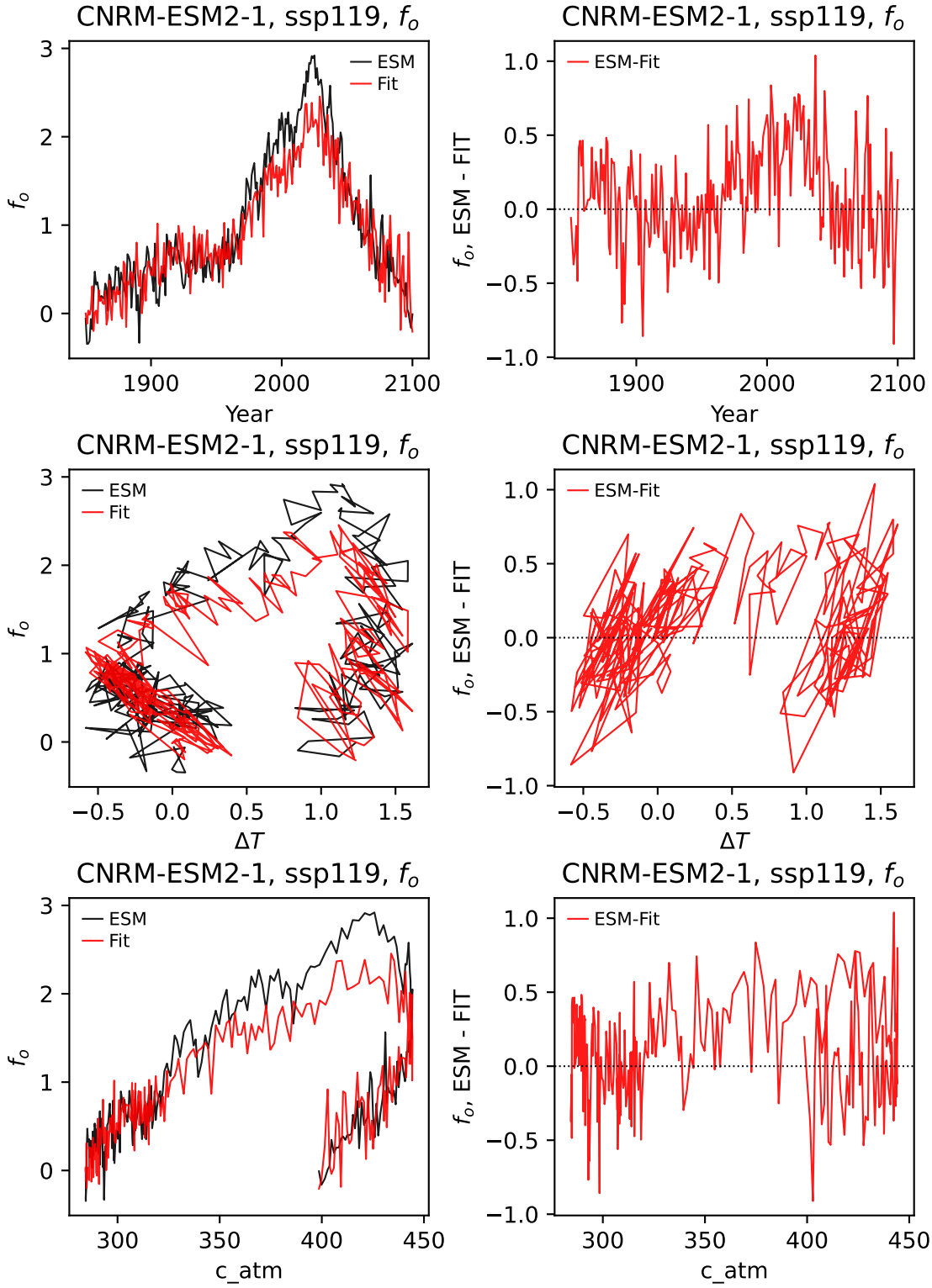

CNRM-ESM2-1, ssp119, npp
ESM-Fit
npp, ESM - FIT
c_atm
4
2
0
−2
300
350
400
450

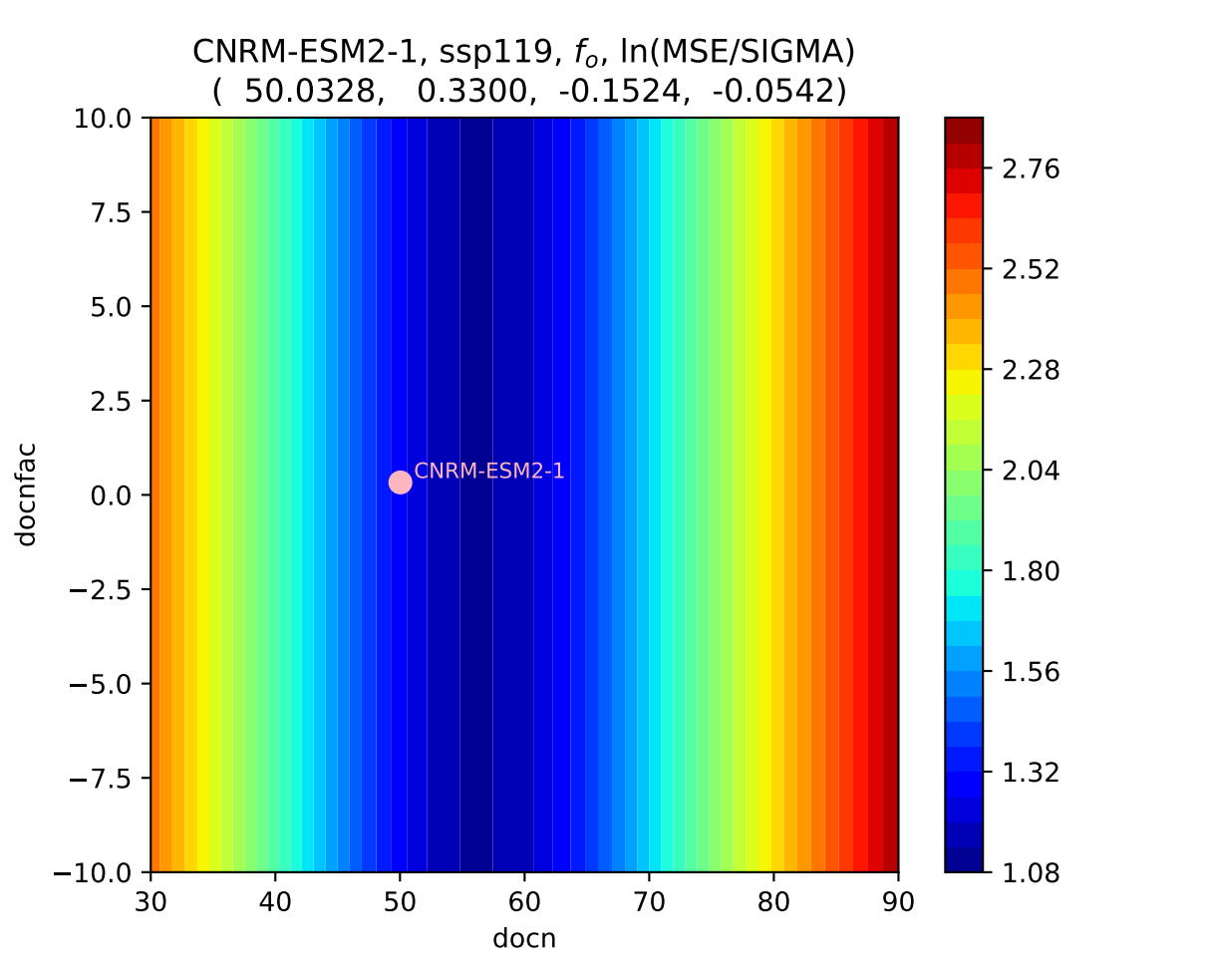

CNRM-ESM2-1, ssp119, npp, ln(MSE/SIGMA)
258, -0.4981, 741.6978, 0.2275, 0.0074, 0.0747, 0.9892, 0.9918, 0
CNRM-ESM2-1
npp_t_e
npp_t_l
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
21.90
21.45
21.00
20.55
20.10
19.65
19.20
18.75
18.30

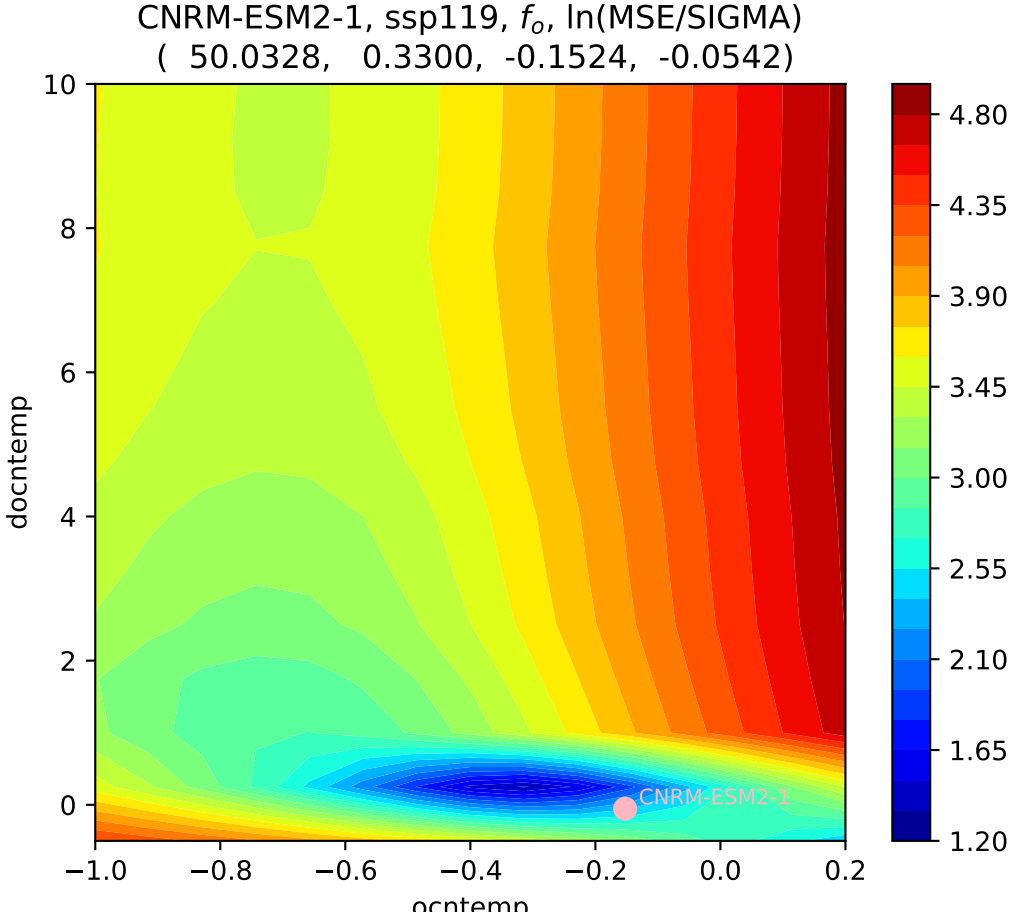

CNRM-ESM2-1, ssp119, npp, ln(MSE/SIGMA)
258, -0.4981, 741.6978, 0.2275, 0.0074, 0.0747, 0.9892, 0.9918, 0
2000
1750
1500
1250
1000
750
500
250
0
npp_c_half
CNRM-ESM2-1
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
npp_c_l
20.16
20.04
19.92
19.80
19.68
19.56
19.44
19.32
19.20


CNRM-ESM2-1, ssp119, npp, ln(MSE/SIGMA)
258, -0.4981, 741.6978, 0.2275, 0.0074, 0.0747, 0.9892, 0.9918, 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
22.5
21.9
21.3
20.7
20.1
19.5
18.9
18.3
17.7


CNRM-ESM2-1, ssp119, npp, ln(MSE/SIGMA)
258, -0.4981, 741.6978, 0.2275, 0.0074, 0.0747, 0.9892, 0.9918, 0
CNRM-ESM2-1
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
19.8425
19.8325
19.8225
19.8125
19.8025
19.7925
19.7825
19.7725
19.7625


CNRM-ESM2-1, ssp119, f_o
ESM
Fit
f_o
Year
CNRM-ESM2-1, ssp119, f_o
ESM-Fit
f_o, ESM - FIT
Year
CNRM-ESM2-1, ssp119, f_o
ESM
Fit
f_o
ΔT
CNRM-ESM2-1, ssp119, f_o
ESM-Fit
f_o, ESM - FIT
ΔT
CNRM-ESM2-1, ssp119, f_o
ESM
Fit
f_o
c_atm
CNRM-ESM2-1, ssp119, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


CNRM-ESM2-1, ssp119, f_o, ln(MSE/SIGMA)
(50.0328, 0.3300, -0.1524, -0.0542)
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
2.76
2.52
2.28
2.04
1.80
1.56
1.32
1.08


CNRM-ESM2-1, ssp119, f_o, ln(MSE/SIGMA)
(50.0328, 0.3300, -0.1524, -0.0542)
10
8
6
4
2
0
docntemp
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
ocntemp
CNRM-ESM2-1
4.80
4.35
3.90
3.45
3.00
2.55
2.10
1.65
1.20