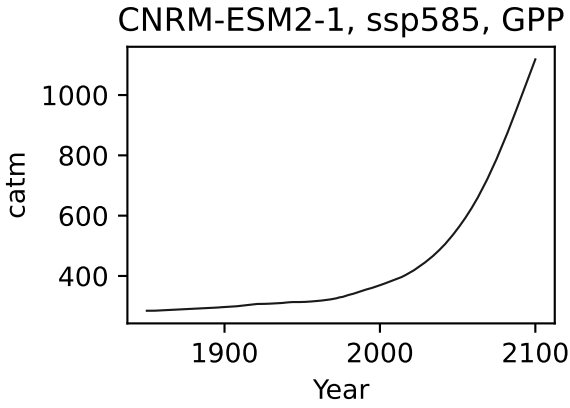
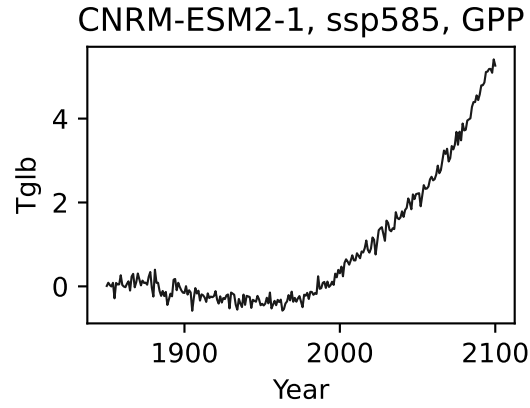
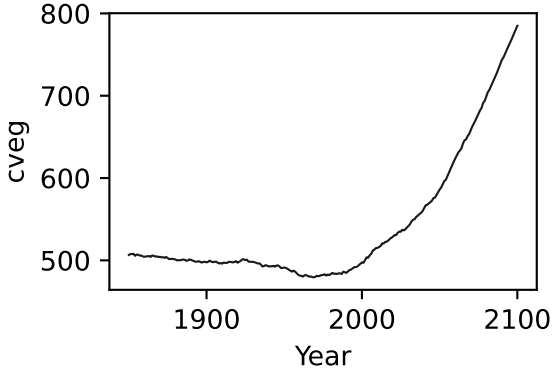
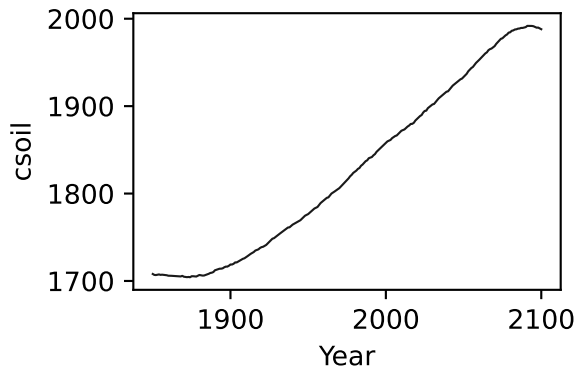
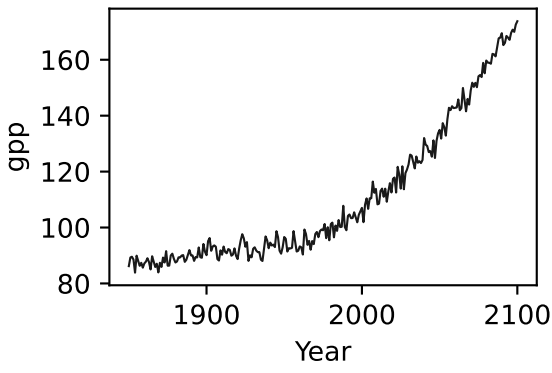
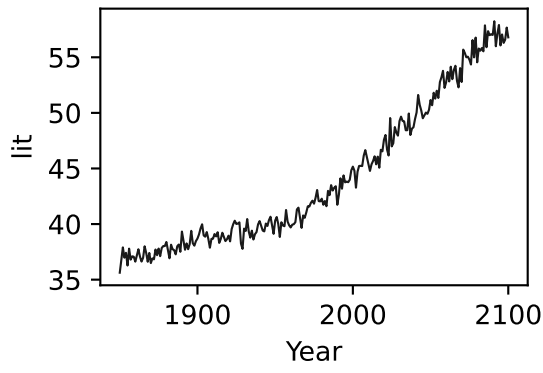

CNRM-ESM2-1, ssp585, GPP
catm
1000
800
600
400
1900
2000
2100
Year

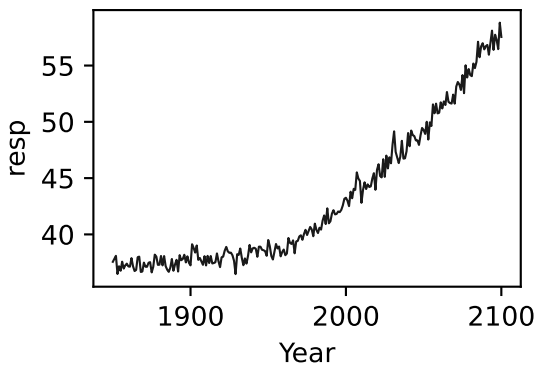

CNRM-ESM2-1, ssp585, GPP
Tglb
4
2
0
1900
2000
2100
Year

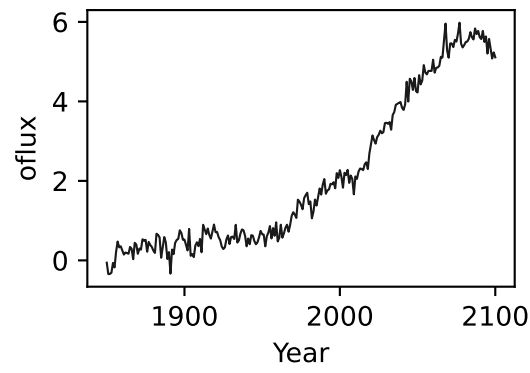

cveg
800
700
600
500
1900
2000
2100
Year

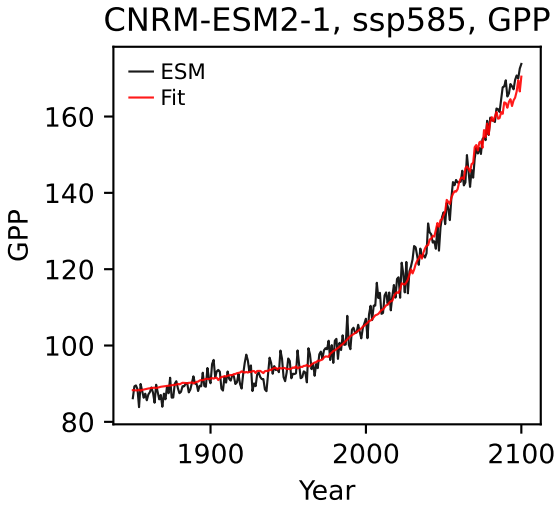

csoil
2000
1900
1800
1700
1900
2000
2100
Year

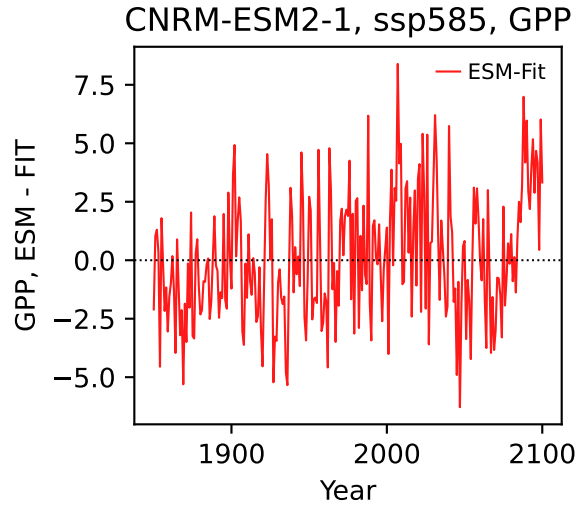

gpp
160
140
120
100
80
1900
2000
2100
Year

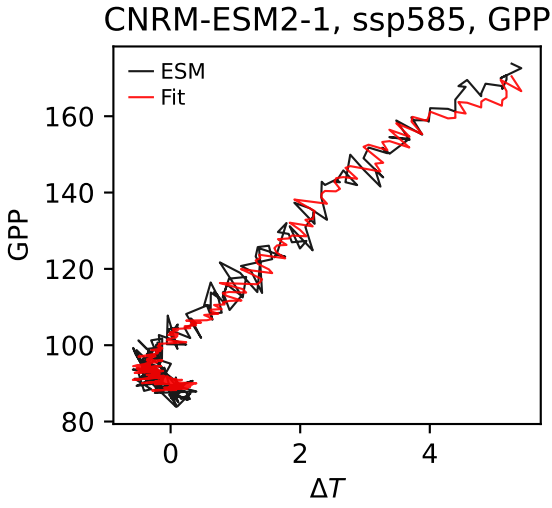

lit
55
50
45
40
35
1900
2000
2100
Year

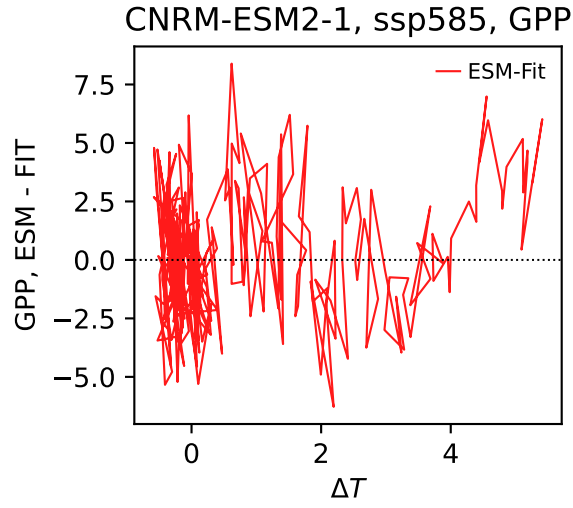

resp
55
50
45
40
1900
2000
2100
Year

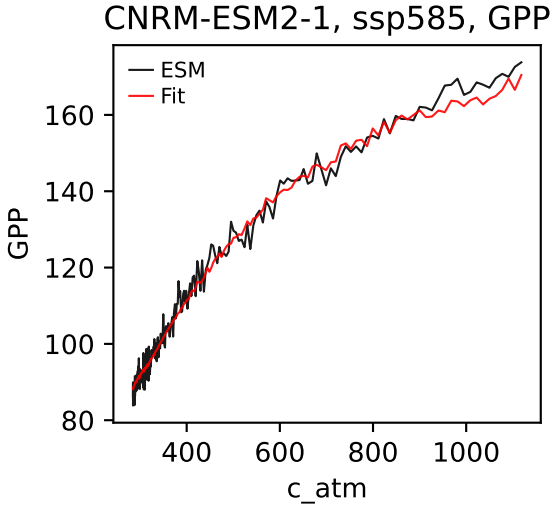

oflux
6
4
2
0
1900
2000
2100
Year

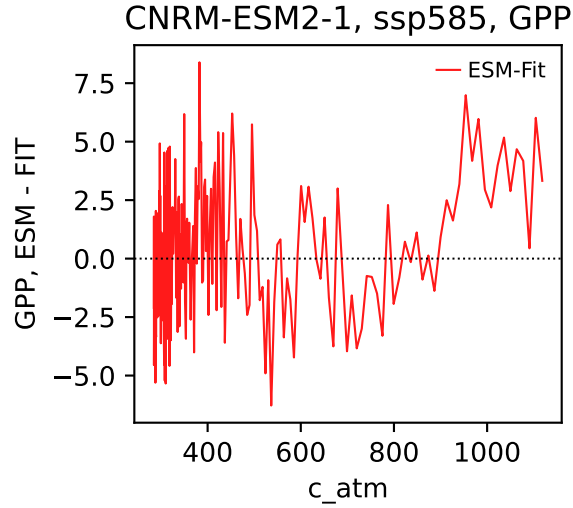

CNRM-ESM2-1, ssp585, GPP
ESM
Fit
GPP
Year

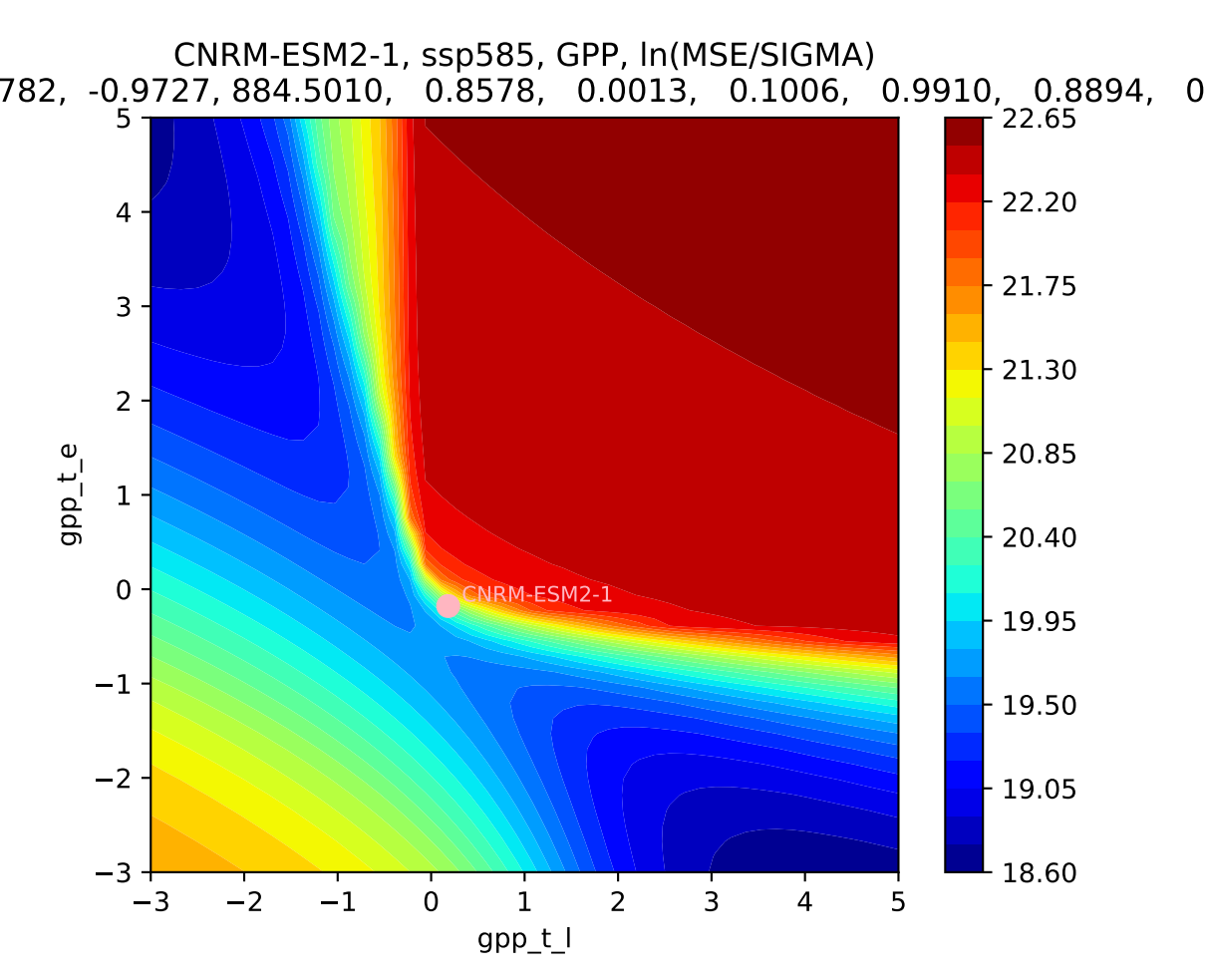

CNRM-ESM2-1, ssp585, GPP
ESM-Fit
GPP, ESM - FIT
Year

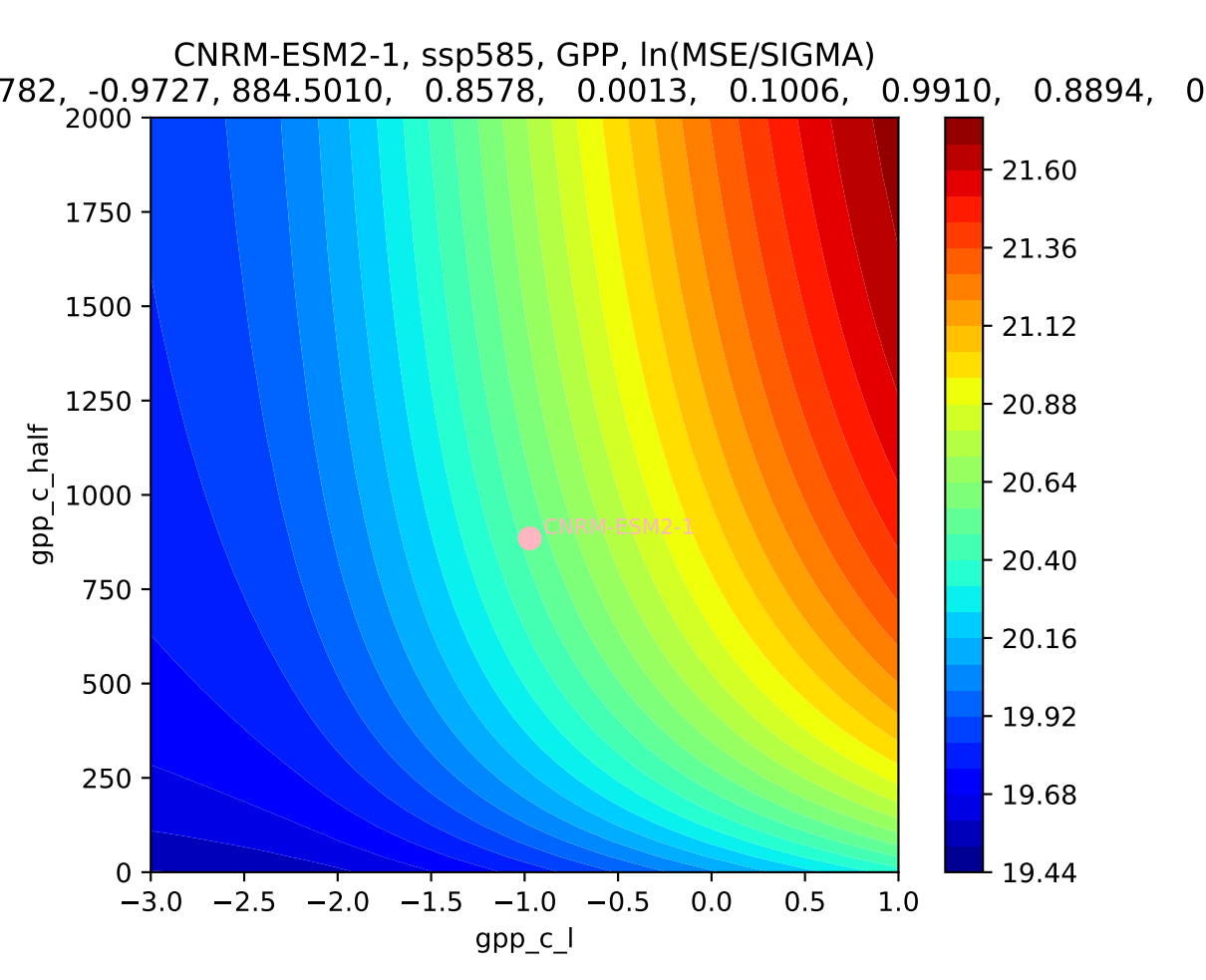

CNRM-ESM2-1, ssp585, GPP
ESM
Fit
GPP
ΔT

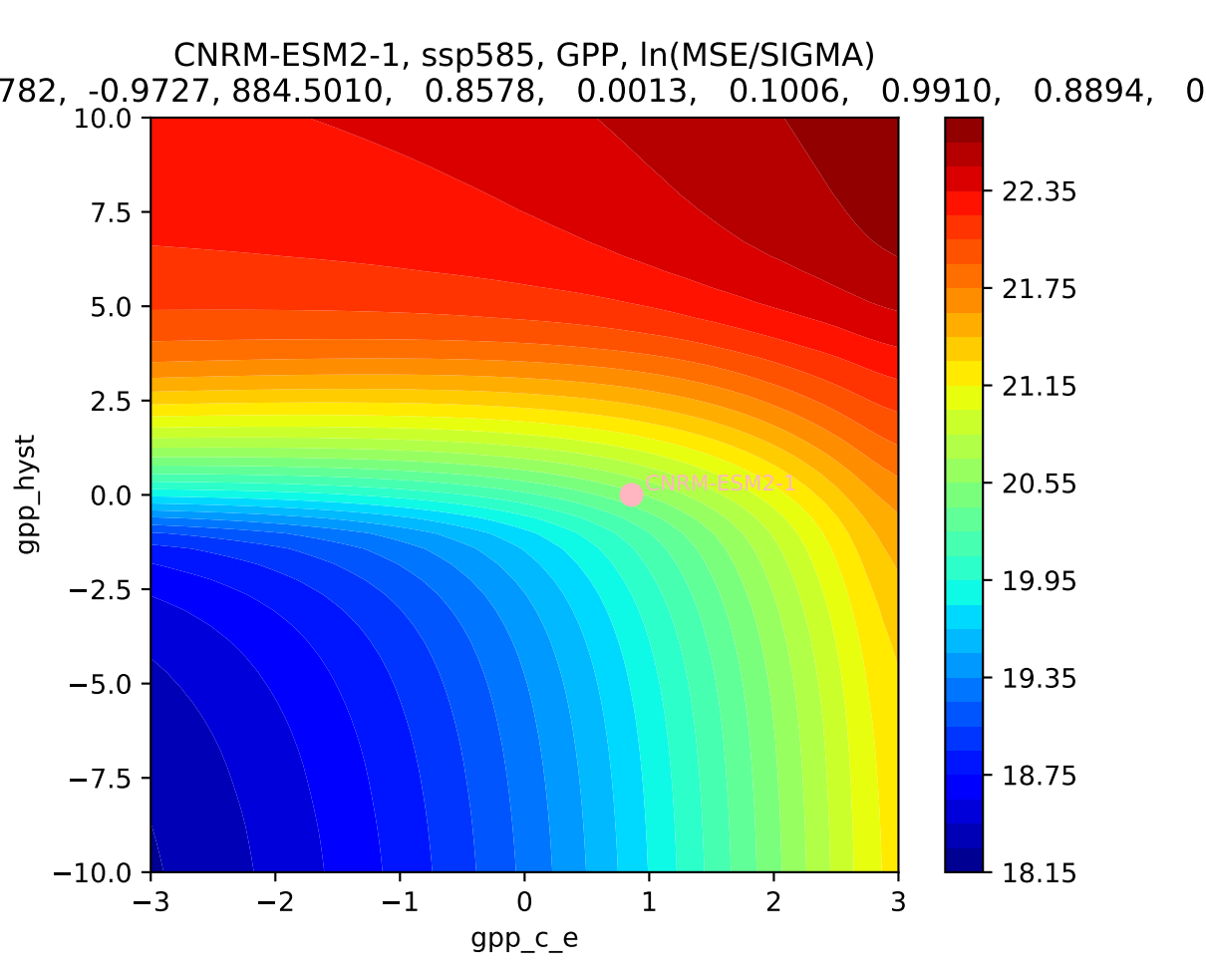

CNRM-ESM2-1, ssp585, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

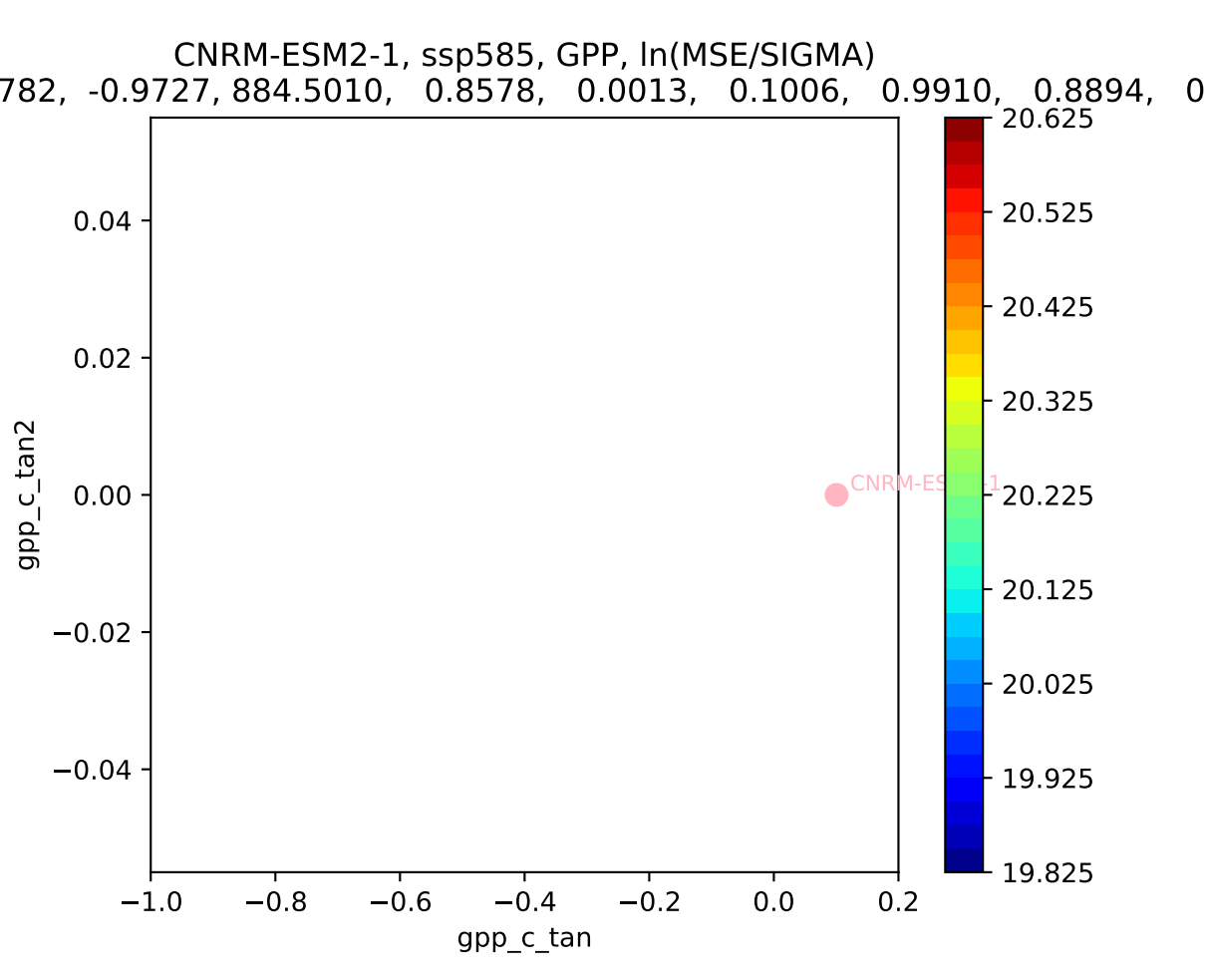

CNRM-ESM2-1, ssp585, GPP
ESM
Fit
GPP
c_atm

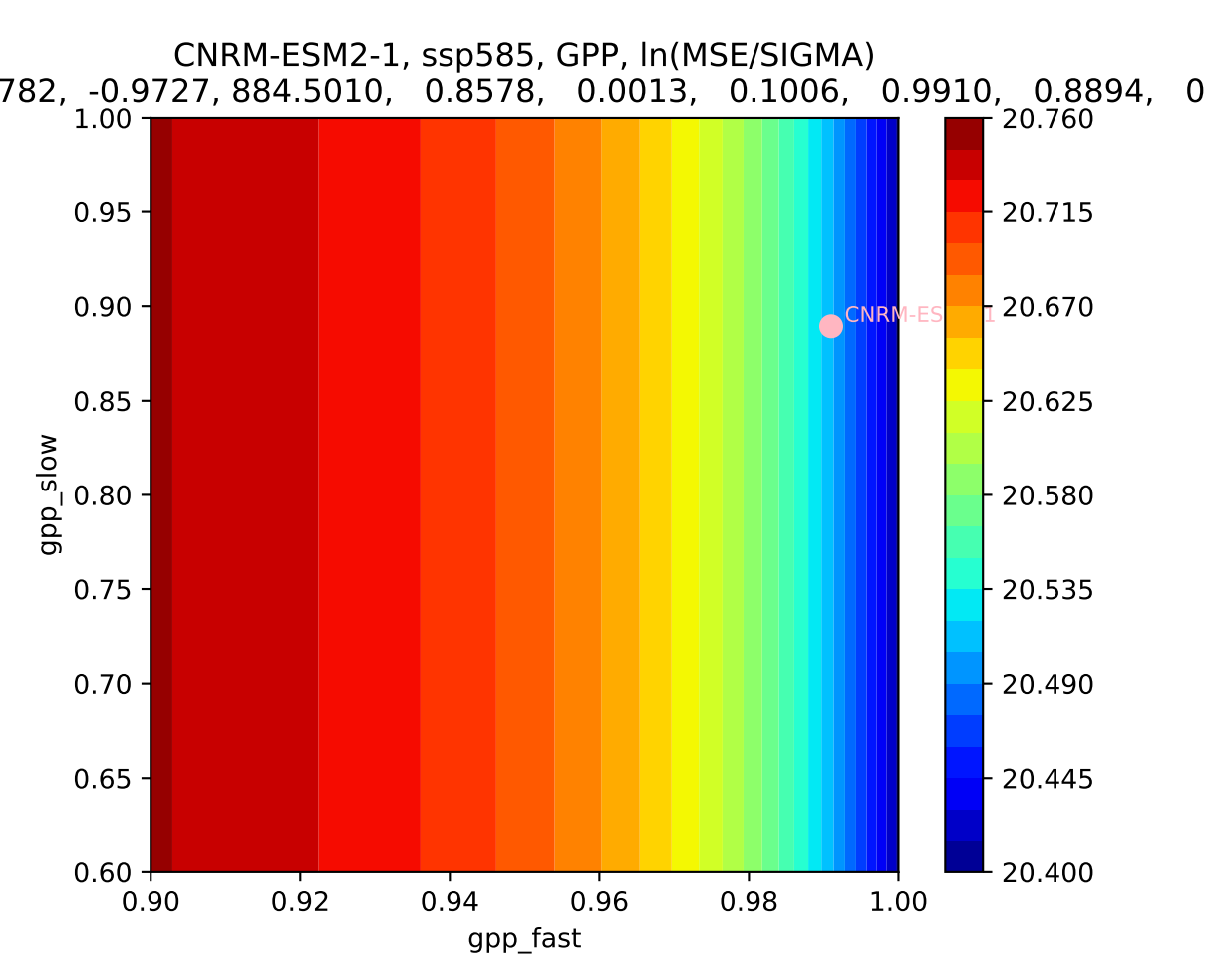

CNRM-ESM2-1, ssp585, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

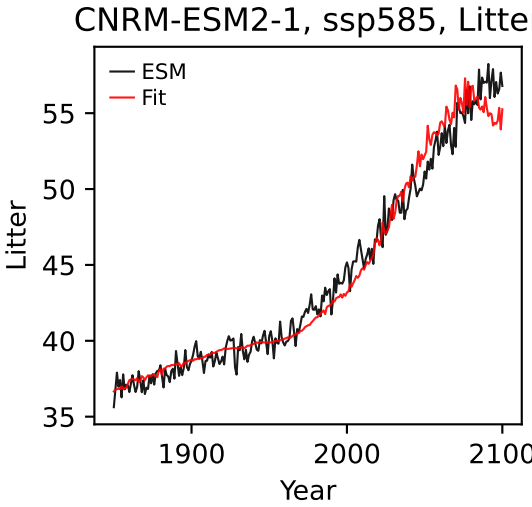

CNRM-ESM2-1, ssp585, GPP, ln(MSE/SIGMA)
782, -0.9727, 884.5010, 0.8578, 0.0013, 0.1006, 0.9910, 0.8894, 0
CNRM-ESM2-1
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
22.65
22.20
21.75
21.30
20.85
20.40
19.95
19.50
19.05
18.60

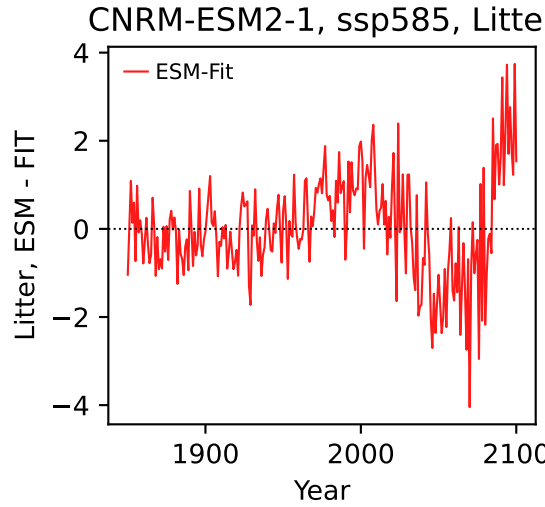

CNRM-ESM2-1, ssp585, GPP, ln(MSE/SIGMA)
782, -0.9727, 884.5010, 0.8578, 0.0013, 0.1006, 0.9910, 0.8894, 0
gpp_c_half
gpp_c_l
CNRM-ESM2-1
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
21.60
21.36
21.12
20.88
20.64
20.40
20.16
19.92
19.68
19.44

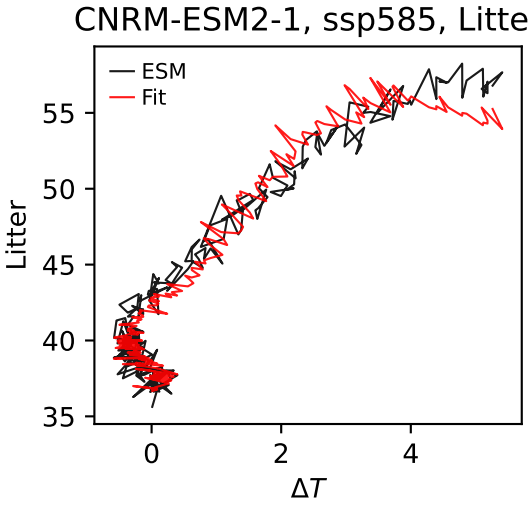

CNRM-ESM2-1, ssp585, GPP, ln(MSE/SIGMA)
782, -0.9727, 884.5010, 0.8578, 0.0013, 0.1006, 0.9910, 0.8894, 0
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
gpp_hyst
−3
−2
−1
0
1
2
3
gpp_c_e
CNRM-ESM2-1
22.35
21.75
21.15
20.55
19.95
19.35
18.75
18.15

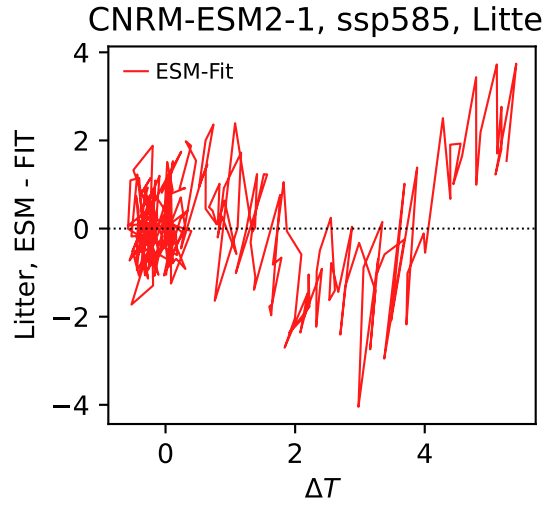

CNRM-ESM2-1, ssp585, GPP, ln(MSE/SIGMA)
782, -0.9727, 884.5010, 0.8578, 0.0013, 0.1006, 0.9910, 0.8894, 0
gpp_c_tan2
gpp_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
20.625
20.525
20.425
20.325
20.225
20.125
20.025
19.925
19.825

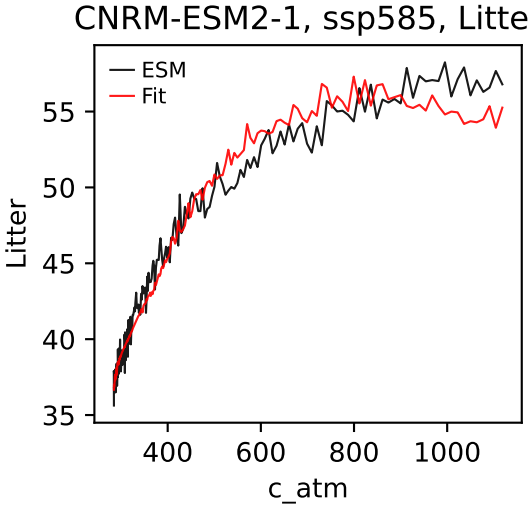

CNRM-ESM2-1, ssp585, GPP, ln(MSE/SIGMA)
782, -0.9727, 884.5010, 0.8578, 0.0013, 0.1006, 0.9910, 0.8894, 0
CNRM-ES
gpp_slow
gpp_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
20.760
20.715
20.670
20.625
20.580
20.535
20.490
20.445
20.400

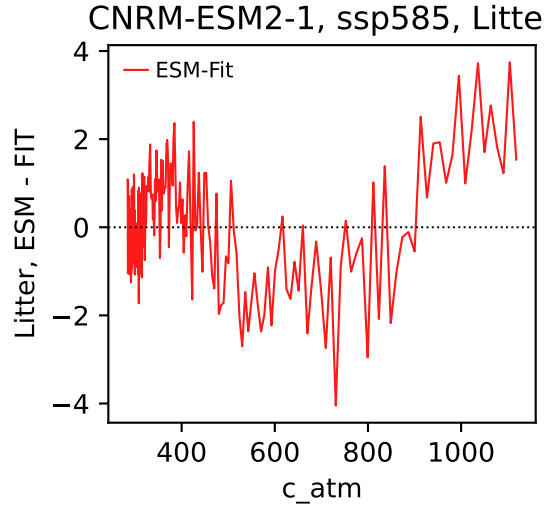

CNRM-ESM2-1, ssp585, Litter
ESM
Fit
Litter
Year
35
40
45
50
55
1900
2000
2100

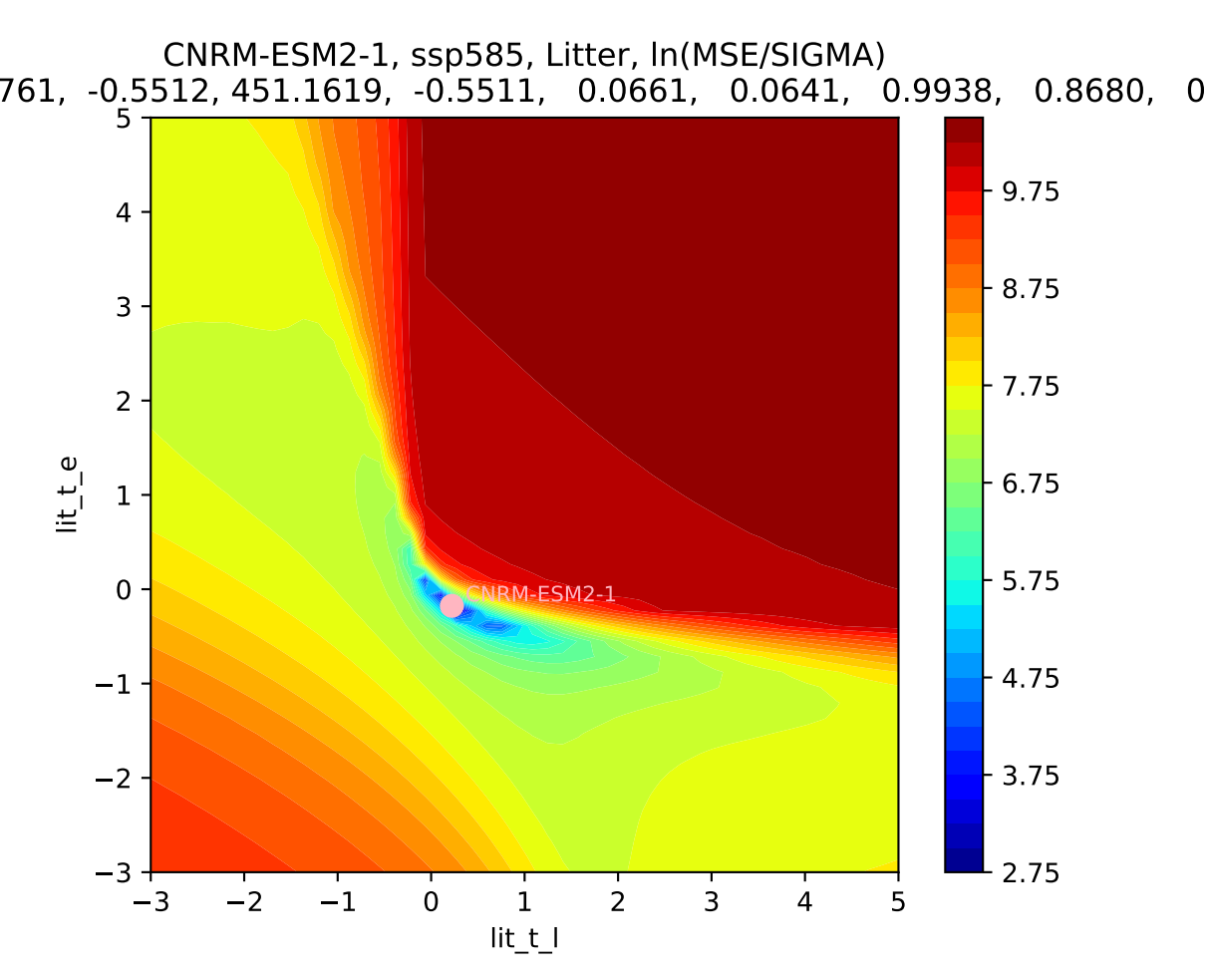

CNRM-ESM2-1, ssp585, Litter
ESM-Fit
Litter, ESM - FIT
Year
−4
−2
0
2
4
1900
2000
2100

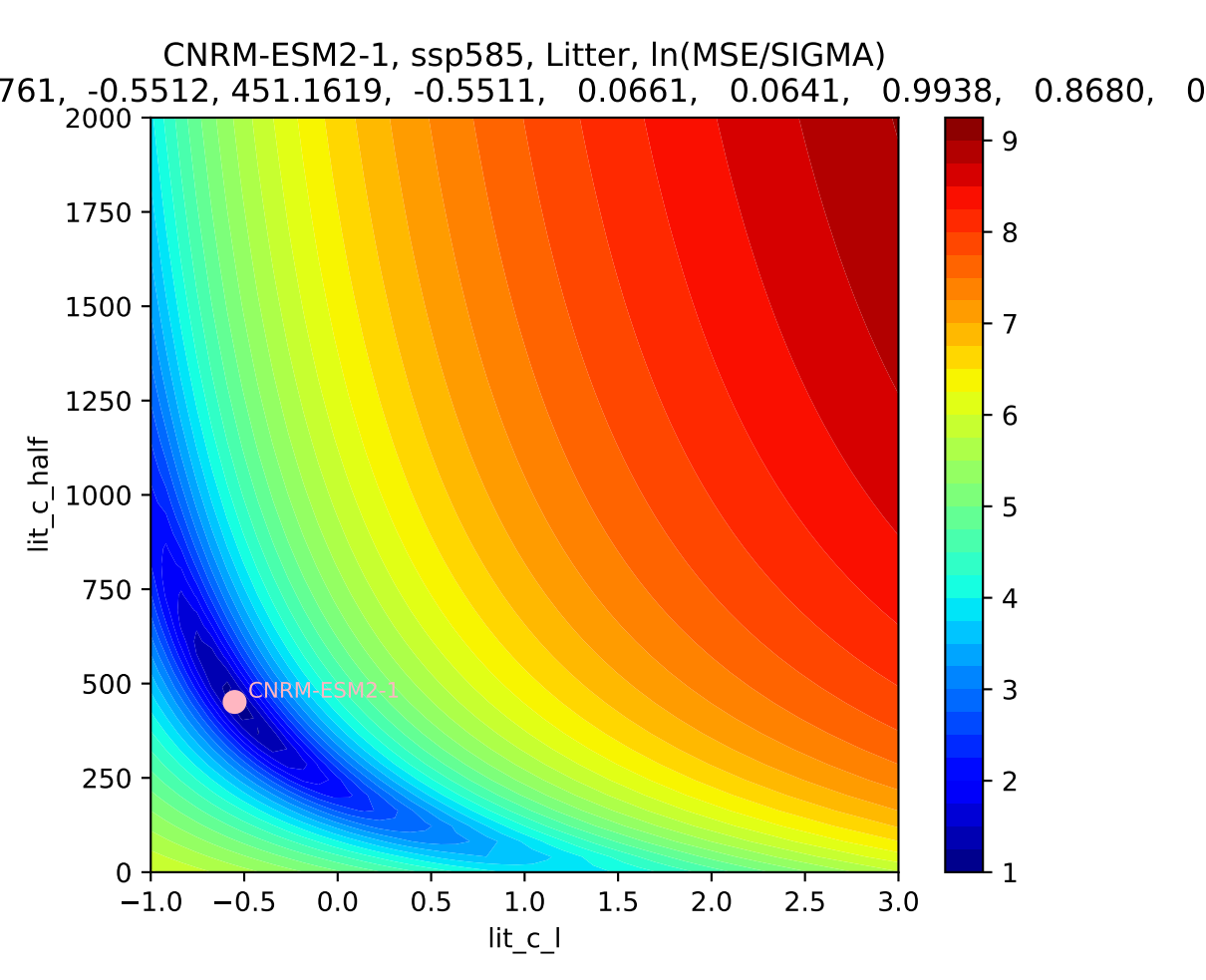

CNRM-ESM2-1, ssp585, Litter
ESM
Fit
Litter
ΔT
35
40
45
50
55
0
2
4

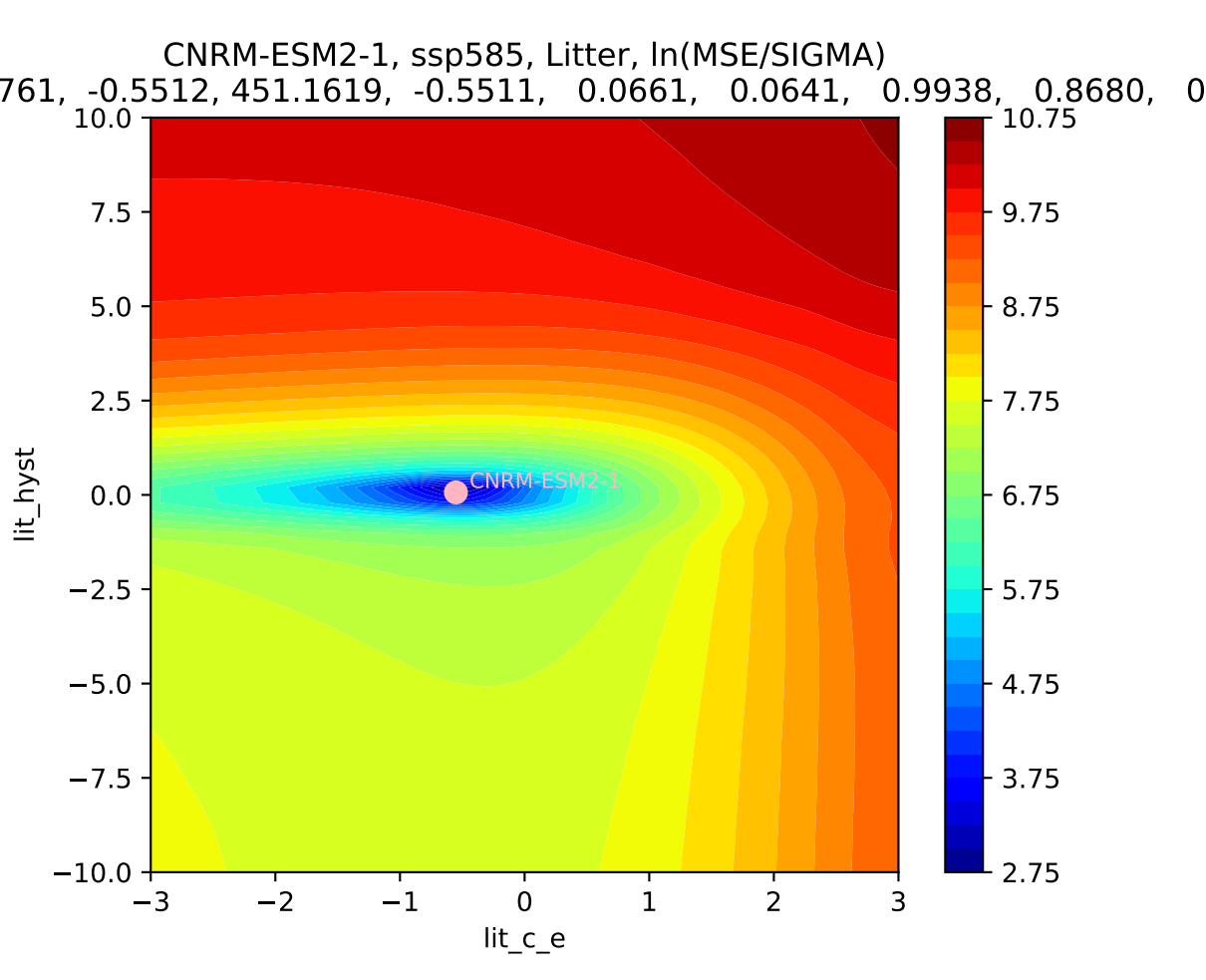

CNRM-ESM2-1, ssp585, Litter
ESM-Fit
Litter, ESM - FIT
ΔT
−4
−2
0
2
4
0
2
4

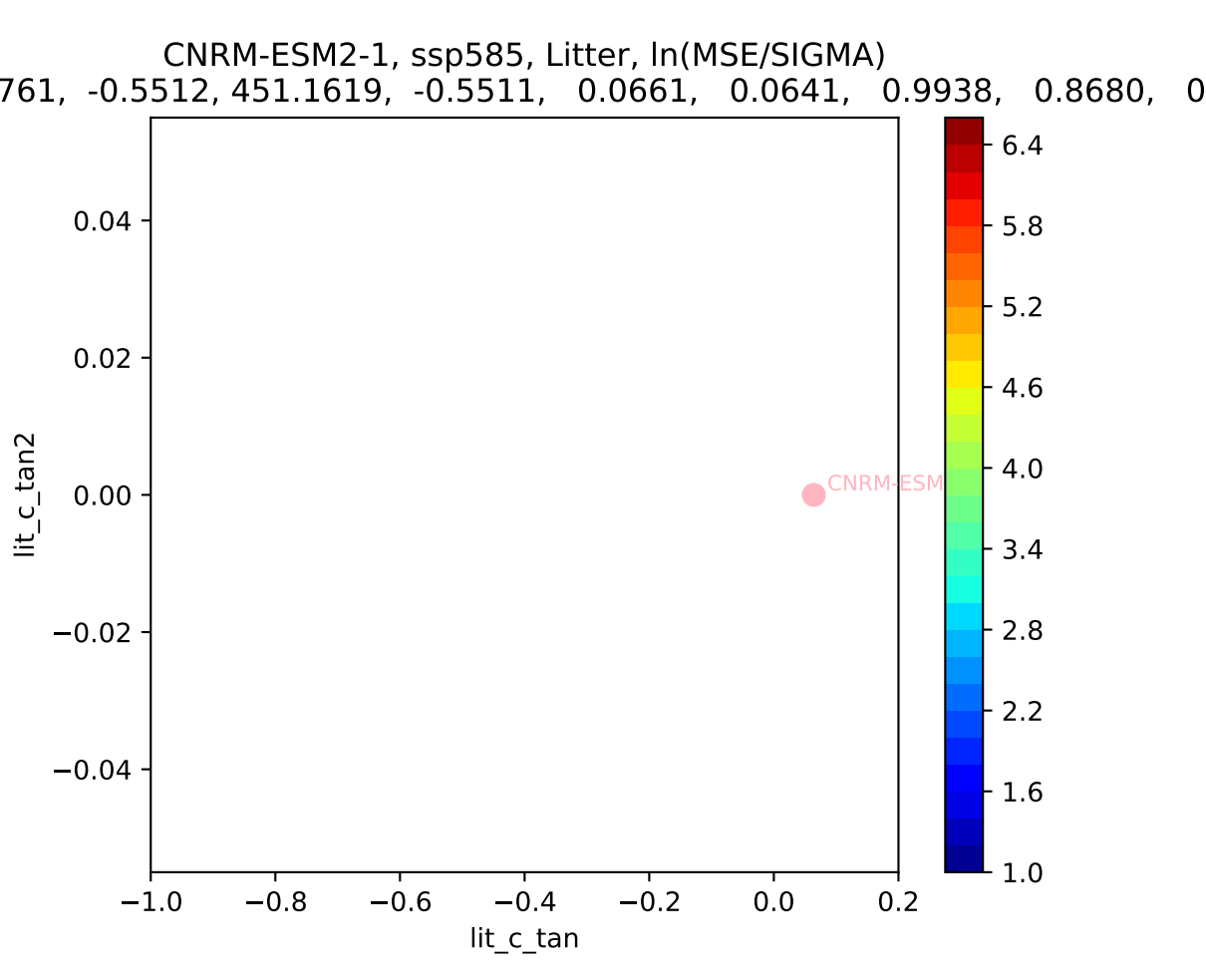

CNRM-ESM2-1, ssp585, Litter
ESM
Fit
Litter
c_atm
35
40
45
50
55
400
600
800
1000

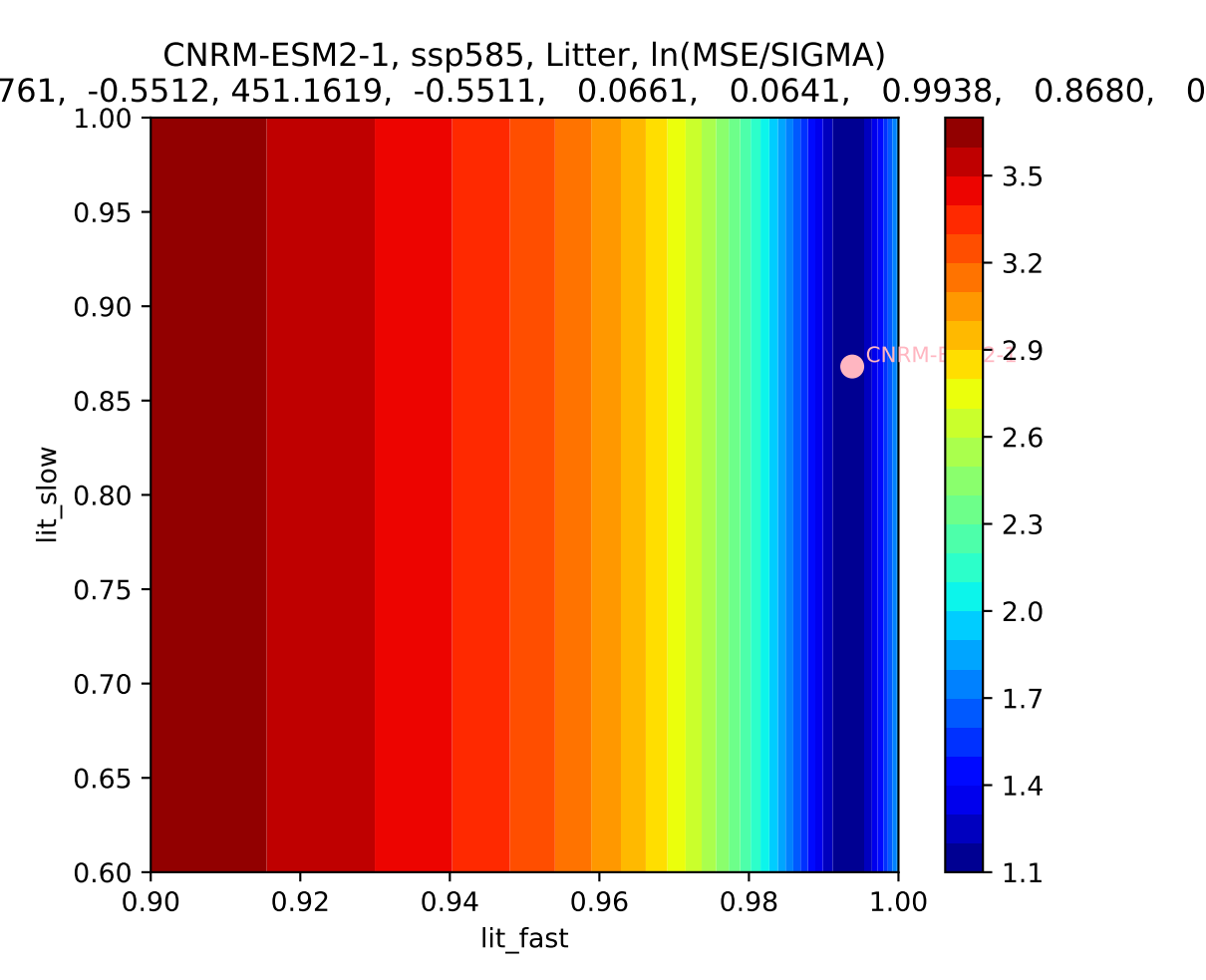

CNRM-ESM2-1, ssp585, Litter
ESM-Fit
Litter, ESM - FIT
c_atm
−4
−2
0
2
4
400
600
800
1000

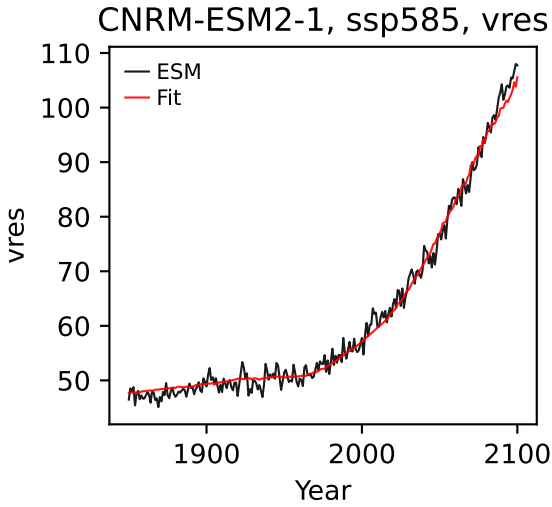

CNRM-ESM2-1, ssp585, Litter, ln(MSE/SIGMA)
761, -0.5512, 451.1619, -0.5511, 0.0661, 0.0641, 0.9938, 0.8680, 0
CNRM-ESM2-1
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
9.75
8.75
7.75
6.75
5.75
4.75
3.75
2.75

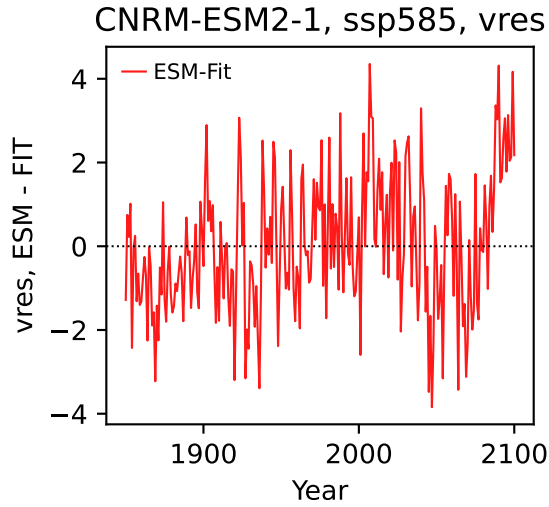

CNRM-ESM2-1, ssp585, Litter, ln(MSE/SIGMA)
761, -0.5512, 451.1619, -0.5511, 0.0661, 0.0641, 0.9938, 0.8680, 0
2000
1750
1500
1250
1000
750
500
250
0
lit_c_half
CNRM-ESM2-1
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
lit_c_l
9
8
7
6
5
4
3
2
1

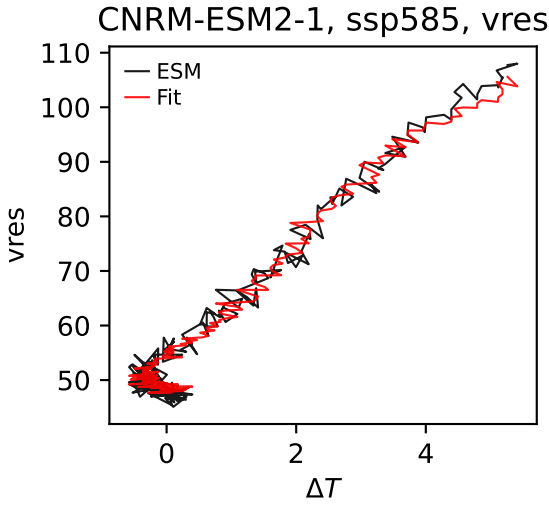

CNRM-ESM2-1, ssp585, Litter, ln(MSE/SIGMA)
761, -0.5512, 451.1619, -0.5511, 0.0661, 0.0641, 0.9938, 0.8680, 0
CNRM-ESM2-1
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.75
9.75
8.75
7.75
6.75
5.75
4.75
3.75
2.75

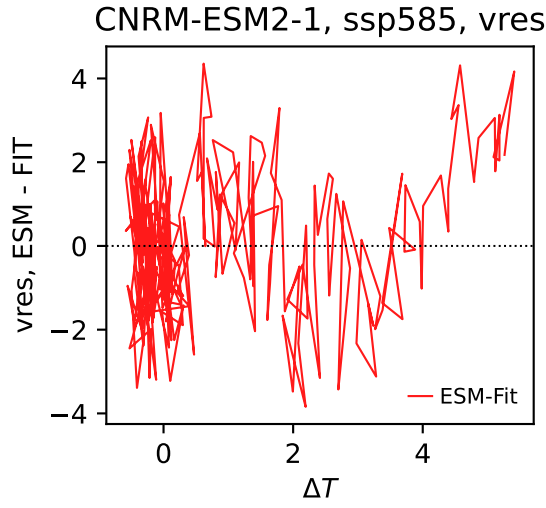

CNRM-ESM2-1, ssp585, Litter, ln(MSE/SIGMA)
761, -0.5512, 451.1619, -0.5511, 0.0661, 0.0641, 0.9938, 0.8680, 0
0.04
0.02
0.00
−0.02
−0.04
lit_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
lit_c_tan
6.4
5.8
5.2
4.6
4.0
3.4
2.8
2.2
1.6
1.0

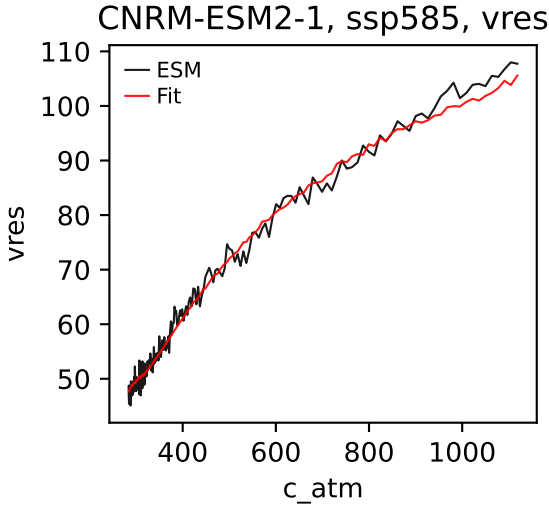

CNRM-ESM2-1, ssp585, Litter, ln(MSE/SIGMA)
761, -0.5512, 451.1619, -0.5511, 0.0661, 0.0641, 0.9938, 0.8680, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
0.90
0.92
0.94
0.96
0.98
1.00
lit_fast
3.5
3.2
2.9
2.6
2.3
2.0
1.7
1.4
1.1

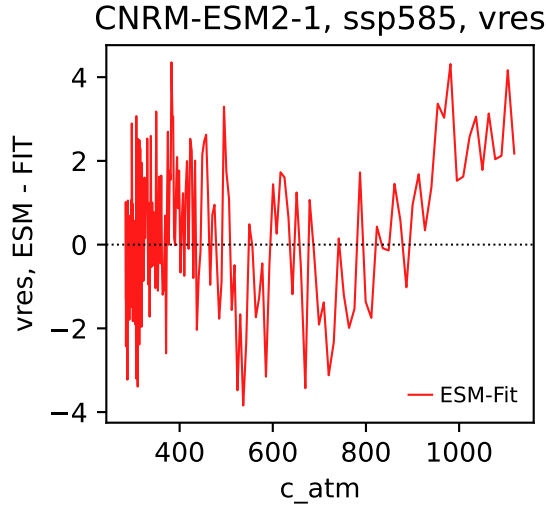

CNRM-ESM2-1, ssp585, vres
ESM
Fit
vres
Year

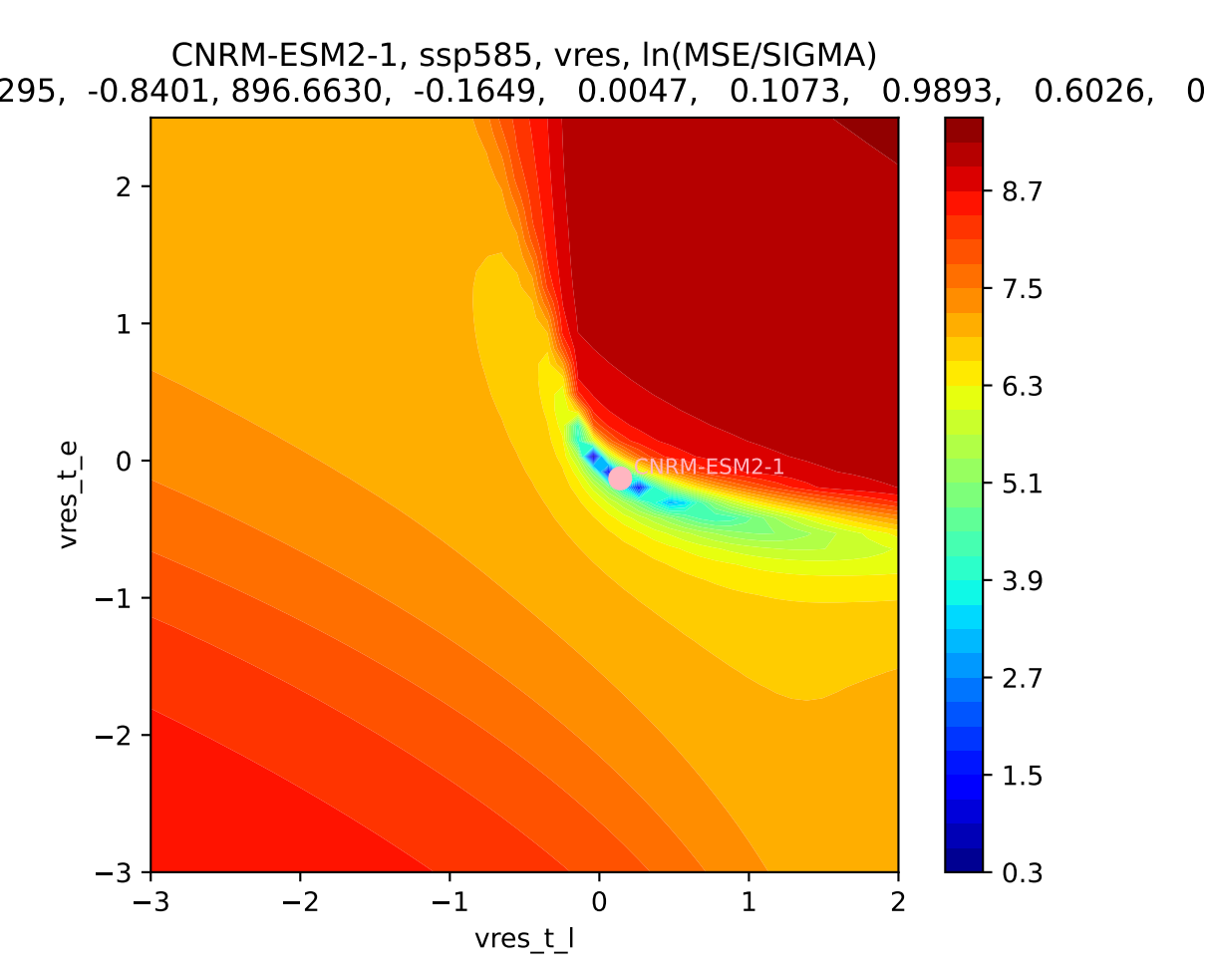

CNRM-ESM2-1, ssp585, vres
ESM-Fit
vres, ESM - FIT
Year

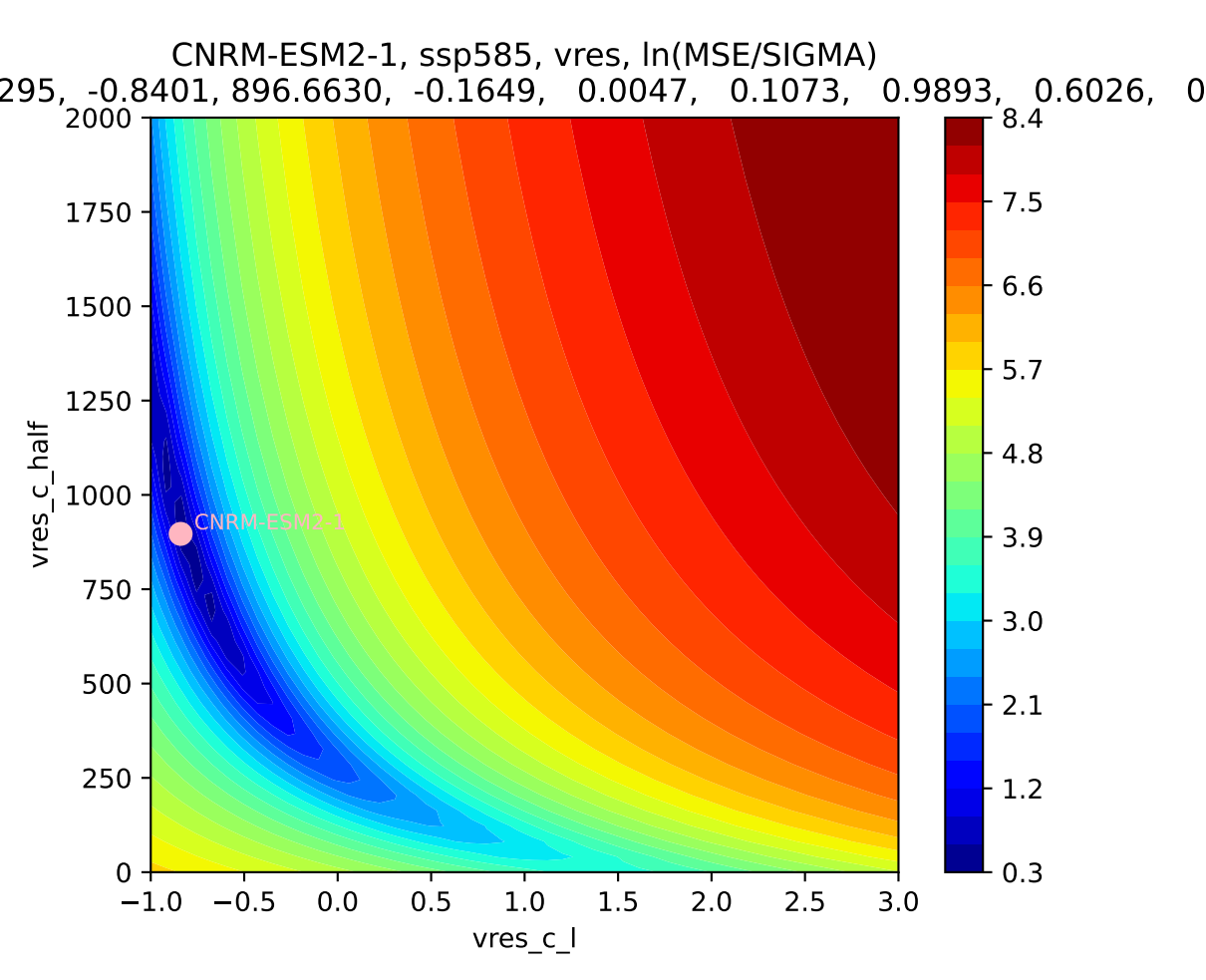

CNRM-ESM2-1, ssp585, vres
ESM
Fit
vres
ΔT

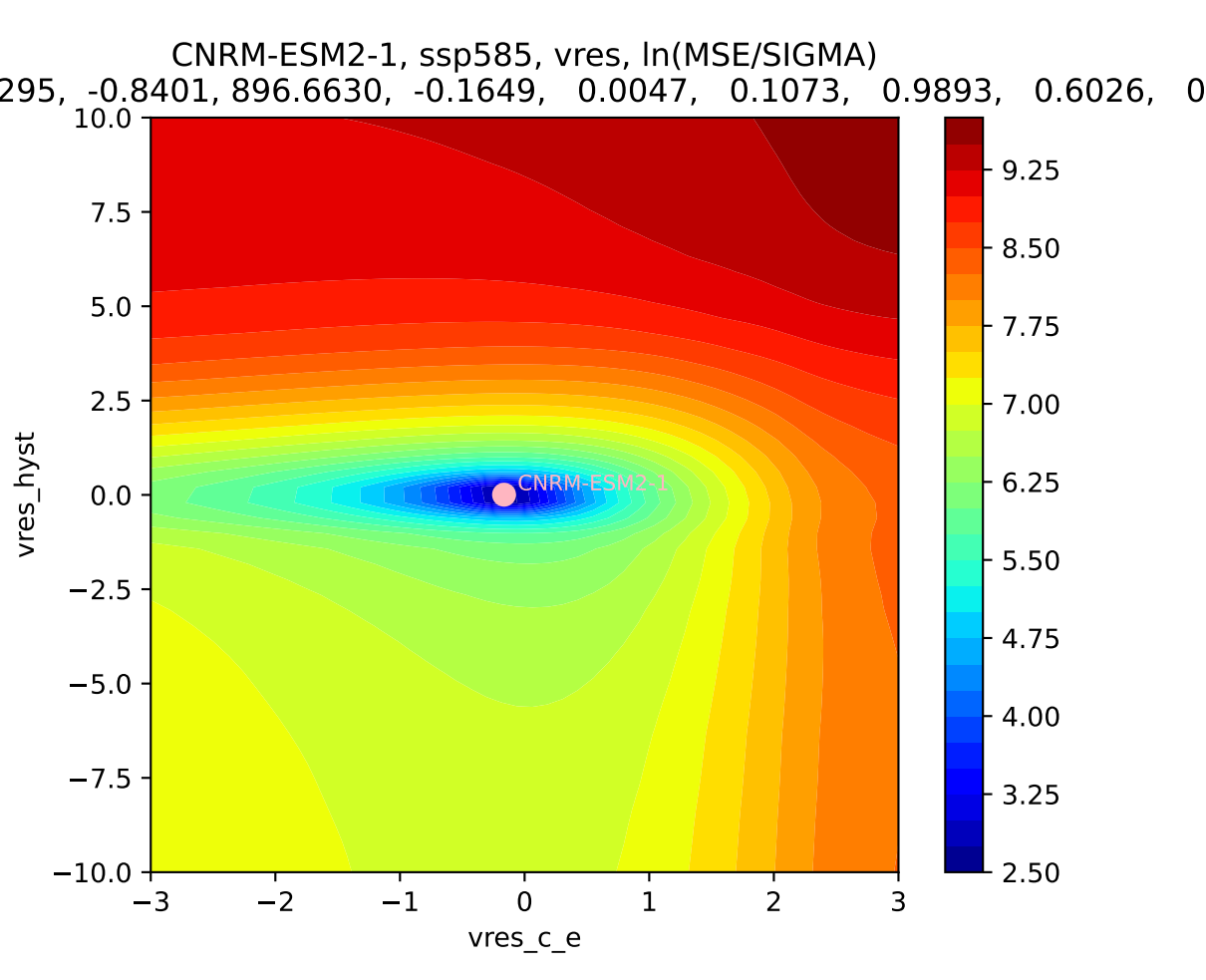

CNRM-ESM2-1, ssp585, vres
ESM-Fit
vres, ESM - FIT
ΔT

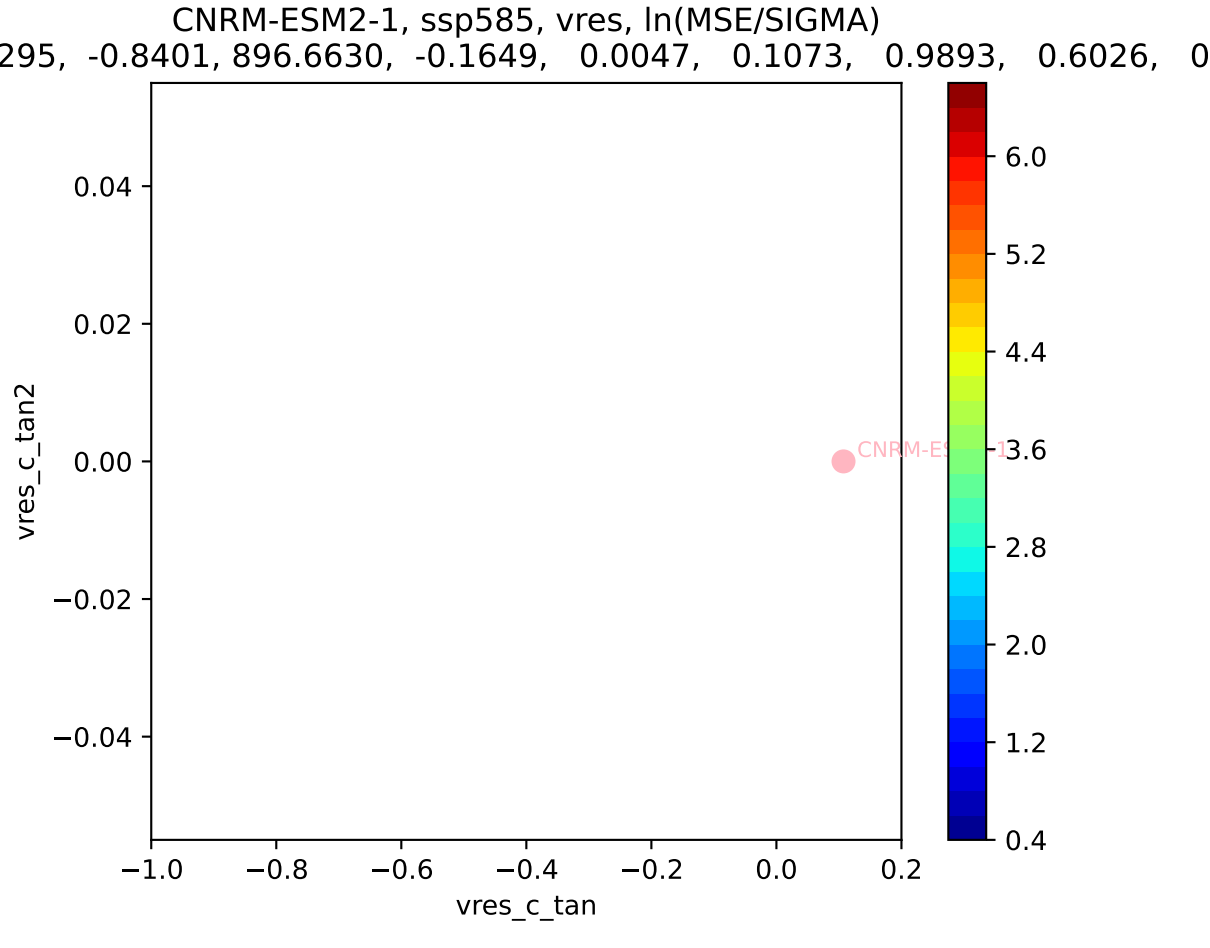

CNRM-ESM2-1, ssp585, vres
ESM
Fit
vres
c_atm

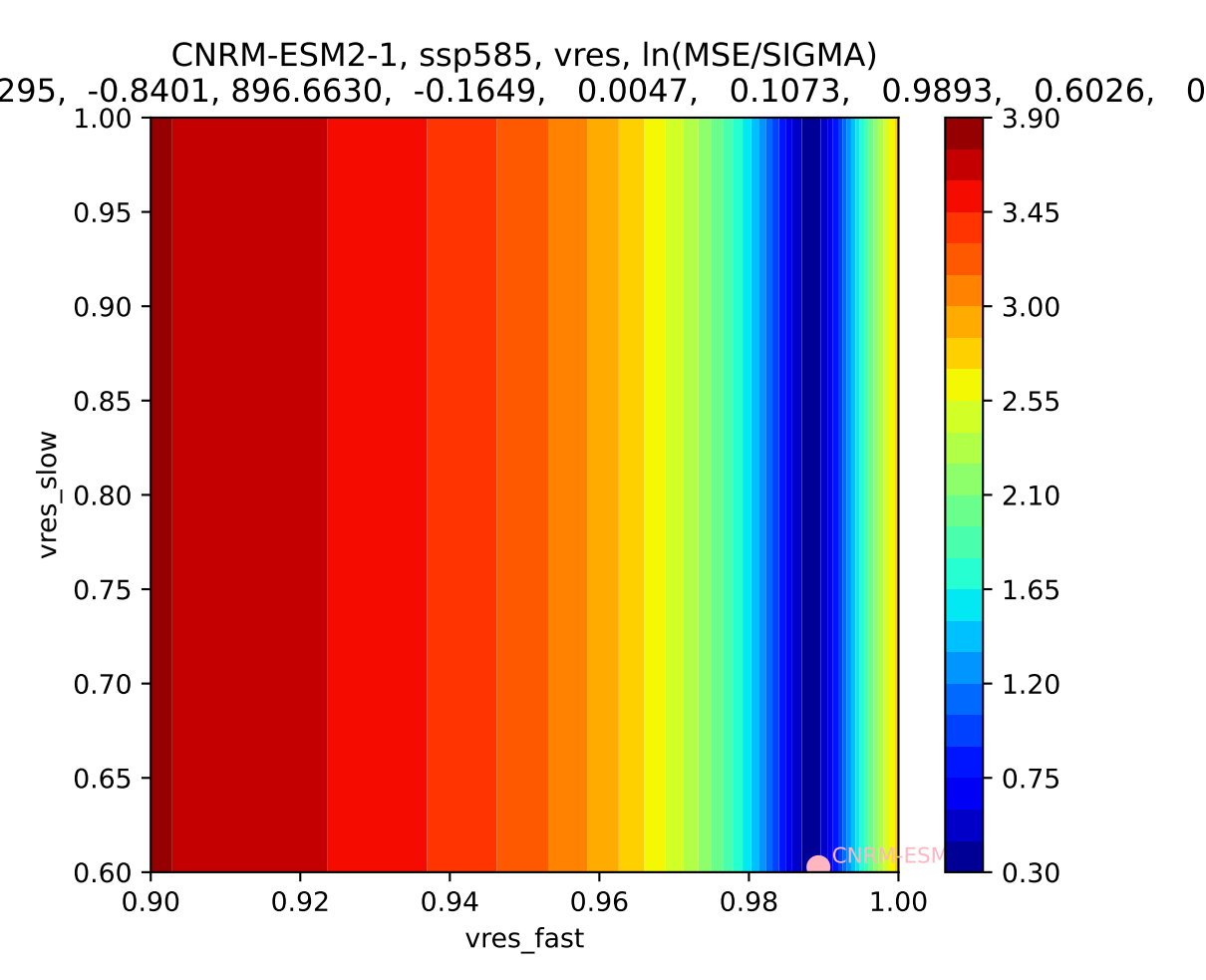

CNRM-ESM2-1, ssp585, vres
ESM-Fit
vres, ESM - FIT
c_atm

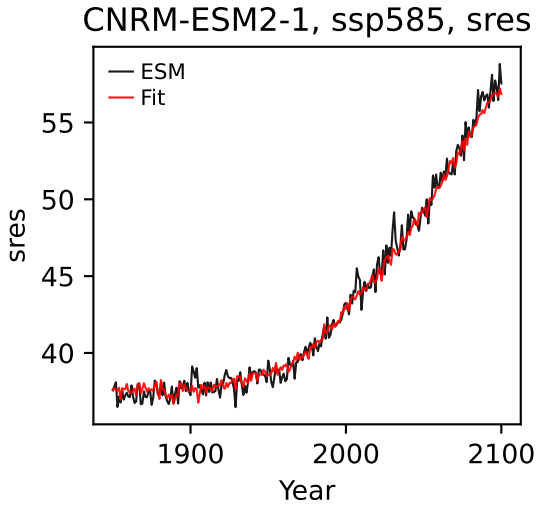

CNRM-ESM2-1, ssp585, vres, ln(MSE/SIGMA)
295, -0.8401, 896.6630, -0.1649, 0.0047, 0.1073, 0.9893, 0.6026, 0
CNRM-ESM2-1
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
8.7
7.5
6.3
5.1
3.9
2.7
1.5
0.3

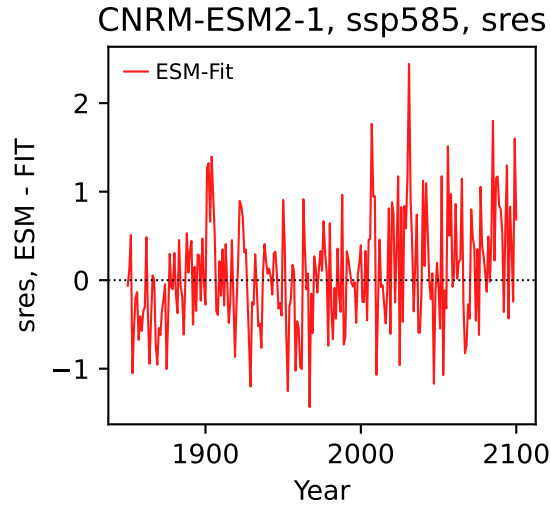

CNRM-ESM2-1, ssp585, vres, ln(MSE/SIGMA)
295, -0.8401, 896.6630, -0.1649, 0.0047, 0.1073, 0.9893, 0.6026, 0
vres_c_half
vres_c_l
CNRM-ESM2-1
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
8.4
7.5
6.6
5.7
4.8
3.9
3.0
2.1
1.2
0.3

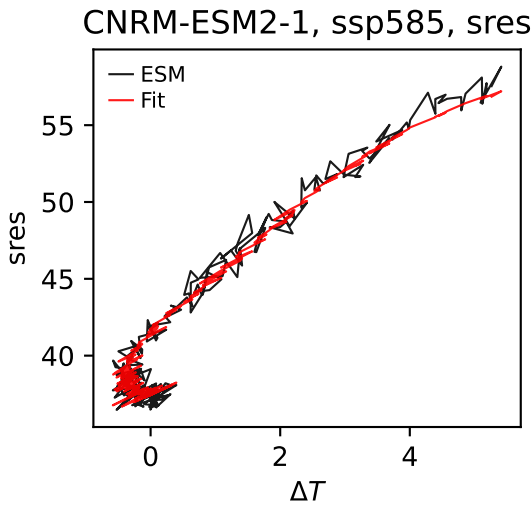

CNRM-ESM2-1, ssp585, vres, ln(MSE/SIGMA)
295, -0.8401, 896.6630, -0.1649, 0.0047, 0.1073, 0.9893, 0.6026, 0
CNRM-ESM2-1
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
9.25
8.50
7.75
7.00
6.25
5.50
4.75
4.00
3.25
2.50

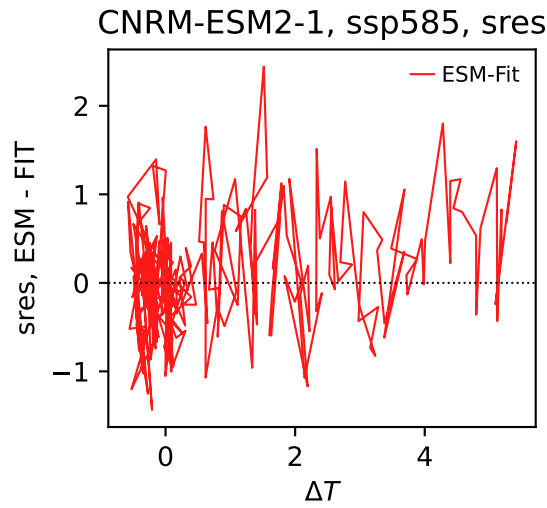

CNRM-ESM2-1, ssp585, vres, ln(MSE/SIGMA)
295, -0.8401, 896.6630, -0.1649, 0.0047, 0.1073, 0.9893, 0.6026, 0
0.04
0.02
0.00
−0.02
−0.04
vres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
vres_c_tan
6.0
5.2
4.4
3.6
2.8
2.0
1.2
0.4

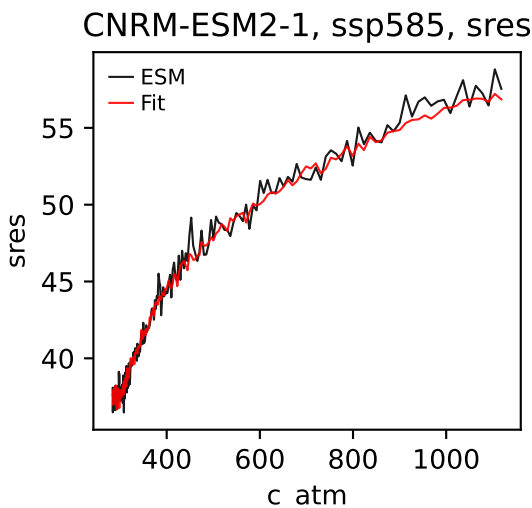

CNRM-ESM2-1, ssp585, vres, ln(MSE/SIGMA)
295, -0.8401, 896.6630, -0.1649, 0.0047, 0.1073, 0.9893, 0.6026, 0
vres_slow
vres_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
3.90
3.45
3.00
2.55
2.10
1.65
1.20
0.75
0.30
CNRM-ESM

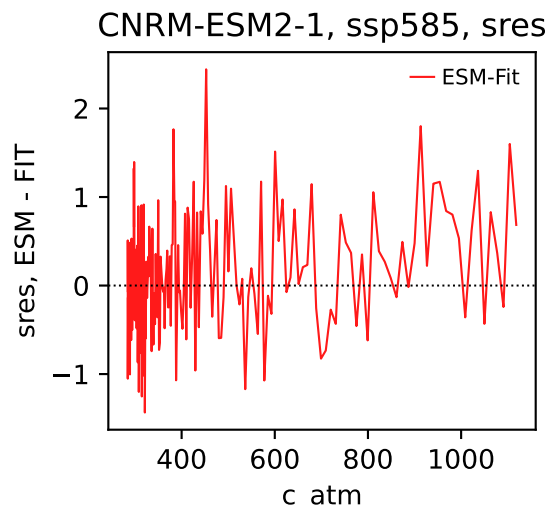

CNRM-ESM2-1, ssp585, sres
ESM
Fit
sres
55
50
45
40
1900
2000
2100
Year

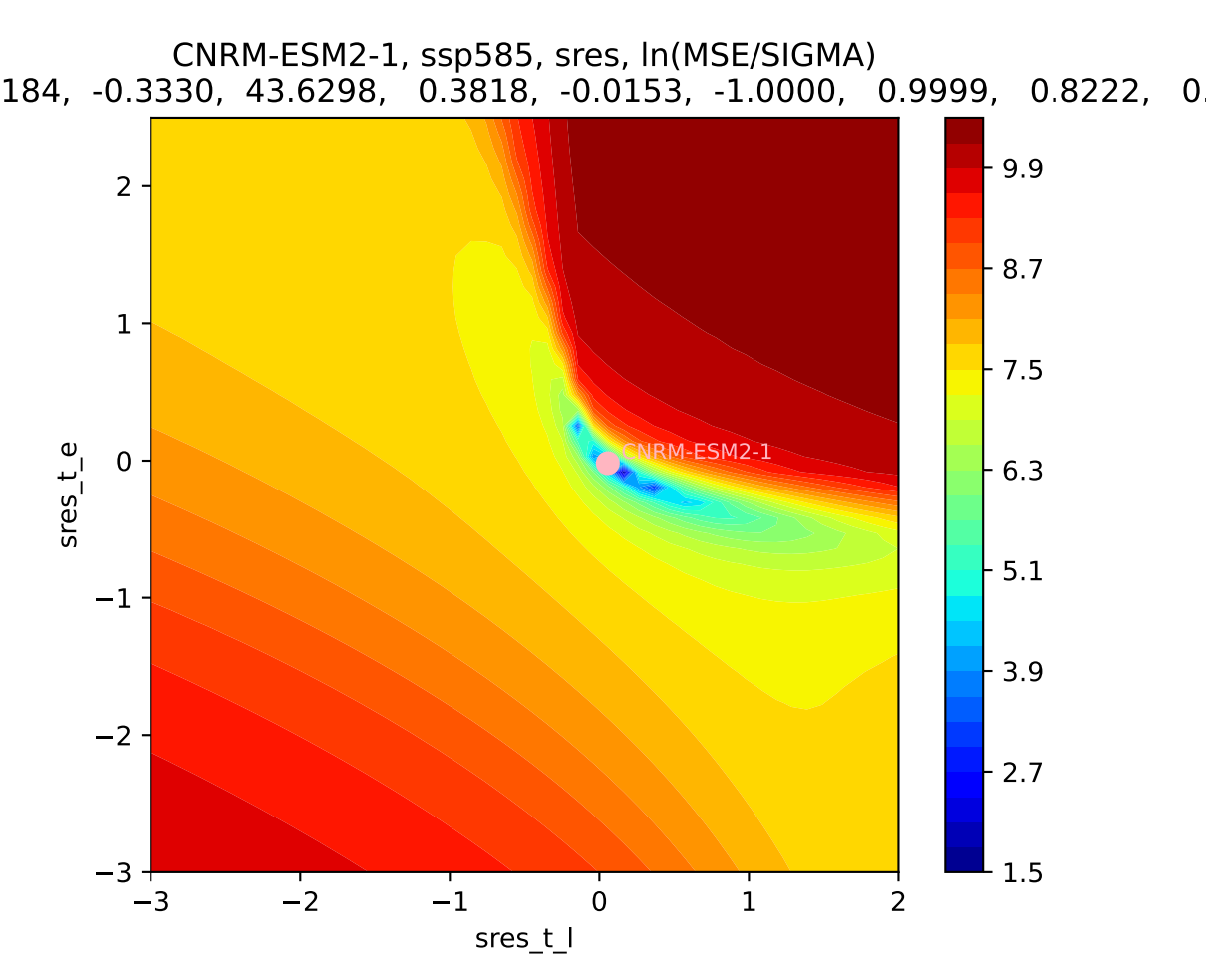

CNRM-ESM2-1, ssp585, sres
ESM-Fit
sres, ESM - FIT
2
1
0
−1
1900
2000
2100
Year

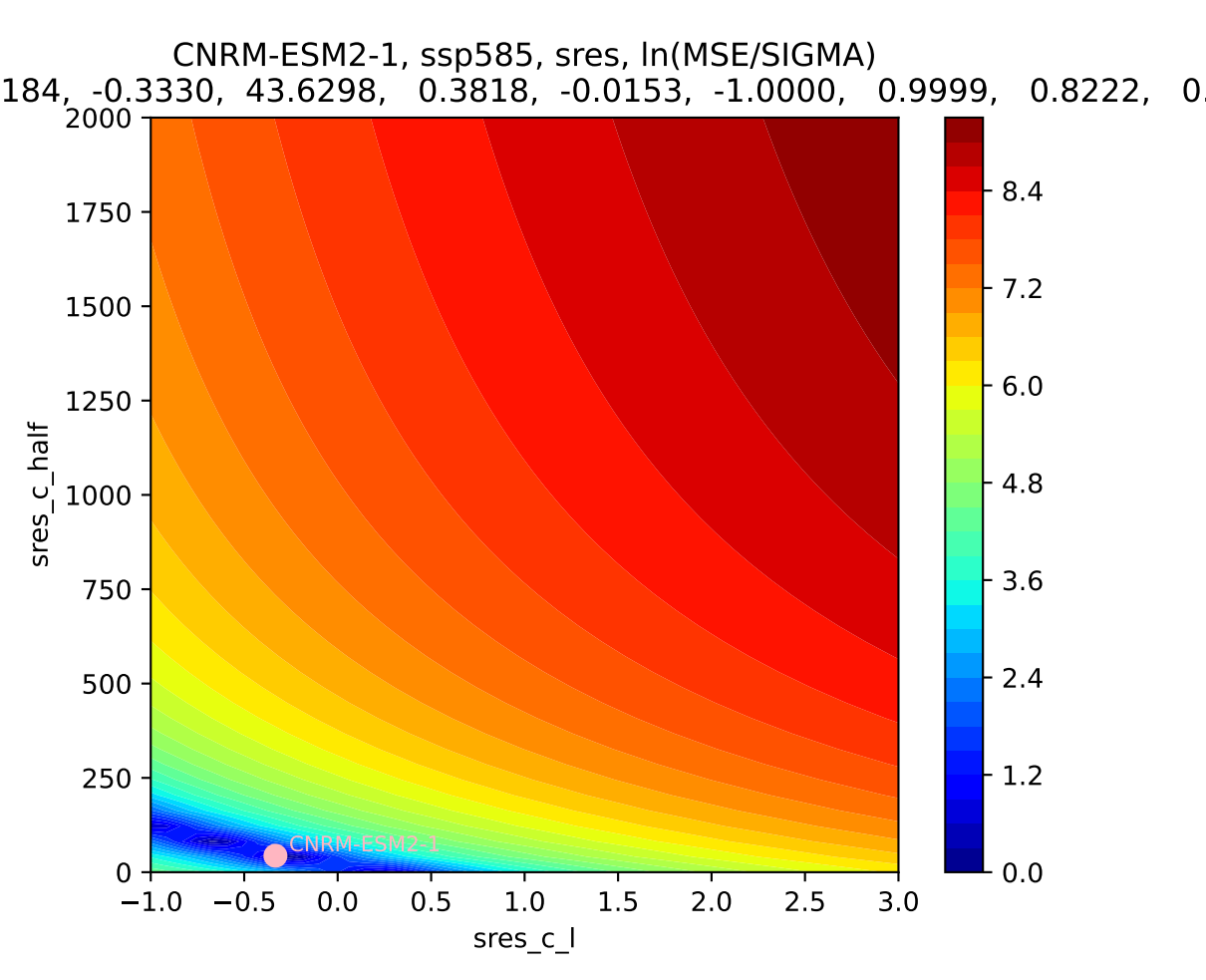

CNRM-ESM2-1, ssp585, sres
ESM
Fit
sres
55
50
45
40
0
2
4
ΔT

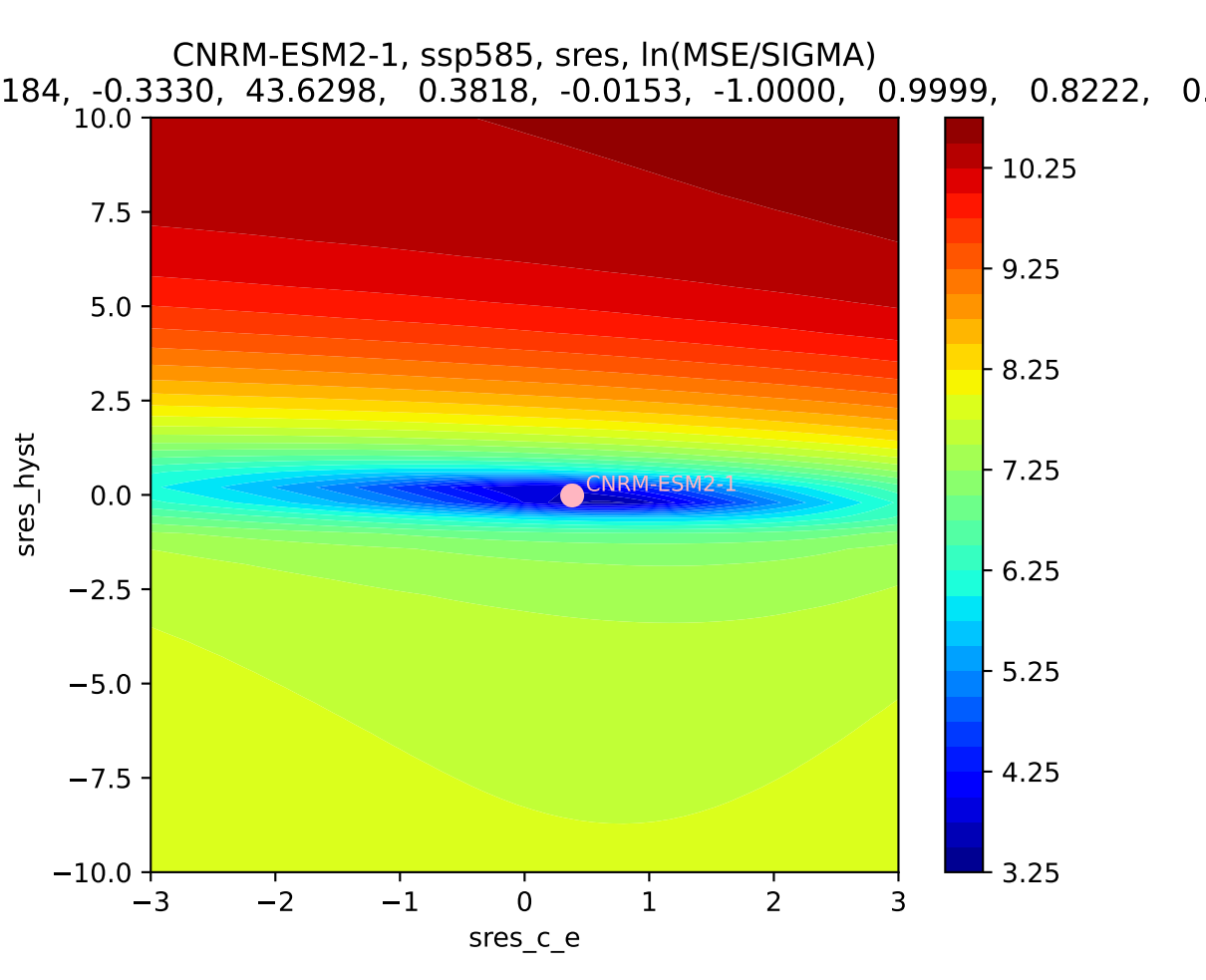

CNRM-ESM2-1, ssp585, sres
ESM-Fit
sres, ESM - FIT
2
1
0
−1
0
2
4
ΔT

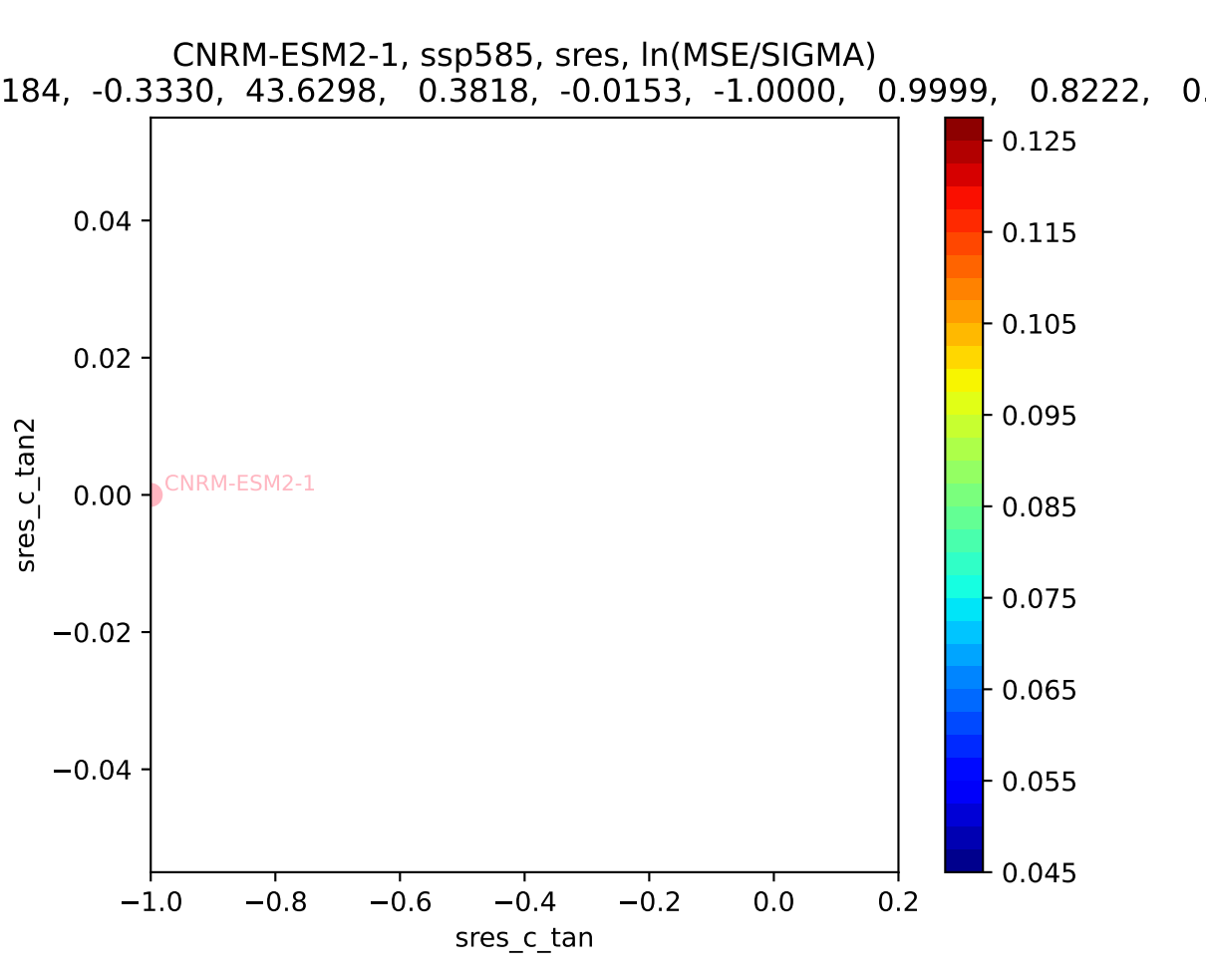

CNRM-ESM2-1, ssp585, sres
ESM
Fit
sres
55
50
45
40
400
600
800
1000
c_atm

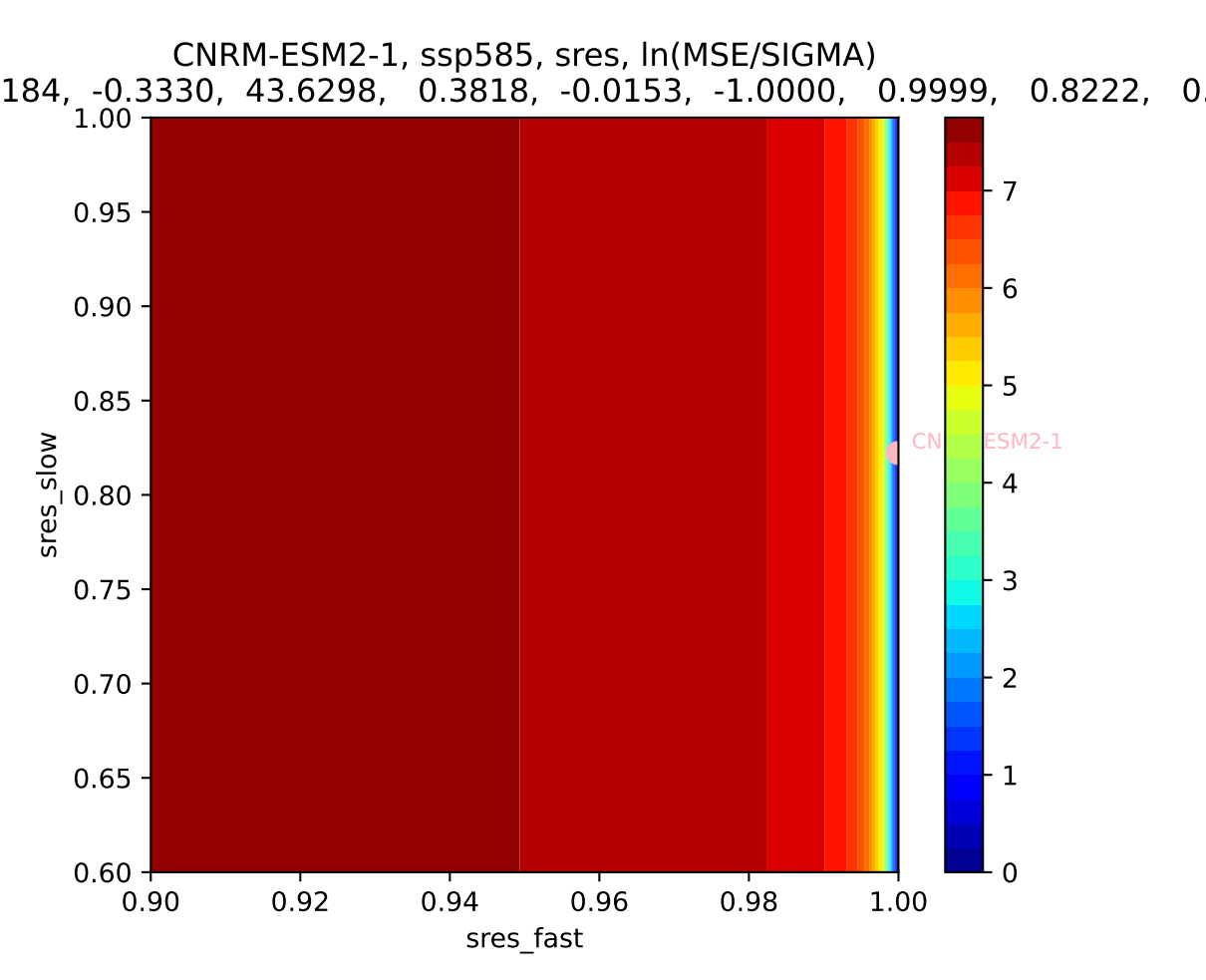

CNRM-ESM2-1, ssp585, sres
ESM-Fit
sres, ESM - FIT
2
1
0
−1
400
600
800
1000
c_atm

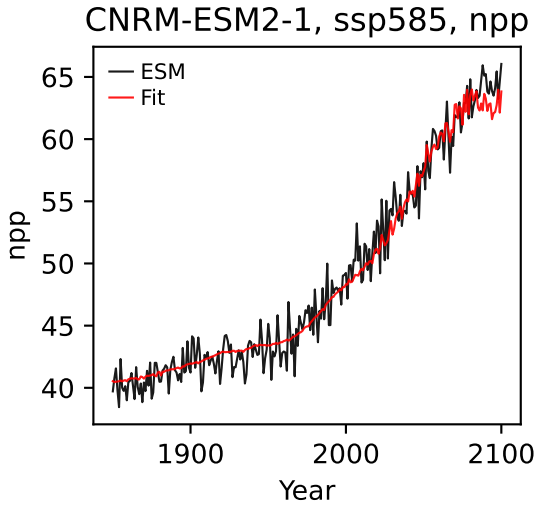

CNRM-ESM2-1, ssp585, sres, ln(MSE/SIGMA)
184, -0.3330, 43.6298, 0.3818, -0.0153, -1.0000, 0.9999, 0.8222, 0.
CNRM-ESM2-1
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
9.9
8.7
7.5
6.3
5.1
3.9
2.7
1.5

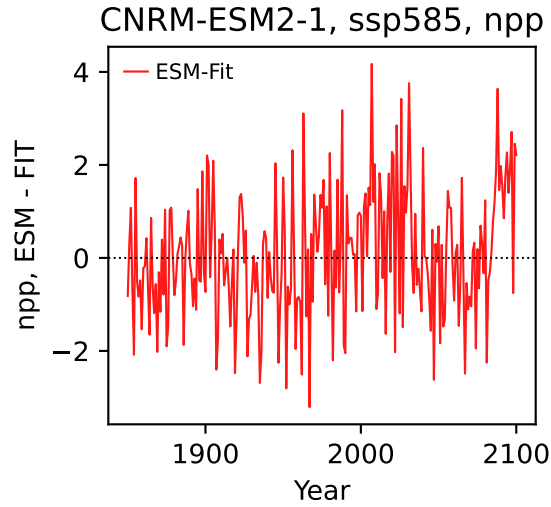

CNRM-ESM2-1, ssp585, sres, ln(MSE/SIGMA)
184, -0.3330, 43.6298, 0.3818, -0.0153, -1.0000, 0.9999, 0.8222, 0.
sres_c_half
sres_c_l
CNRM-ESM2-1
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

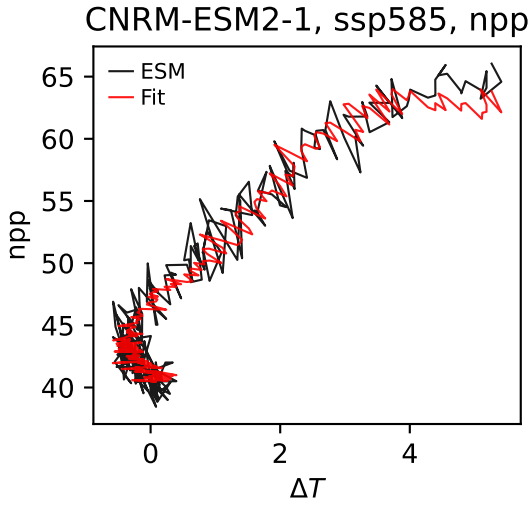

CNRM-ESM2-1, ssp585, sres, ln(MSE/SIGMA)
184, -0.3330, 43.6298, 0.3818, -0.0153, -1.0000, 0.9999, 0.8222, 0.
CNRM-ESM2-1
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.25
9.25
8.25
7.25
6.25
5.25
4.25
3.25

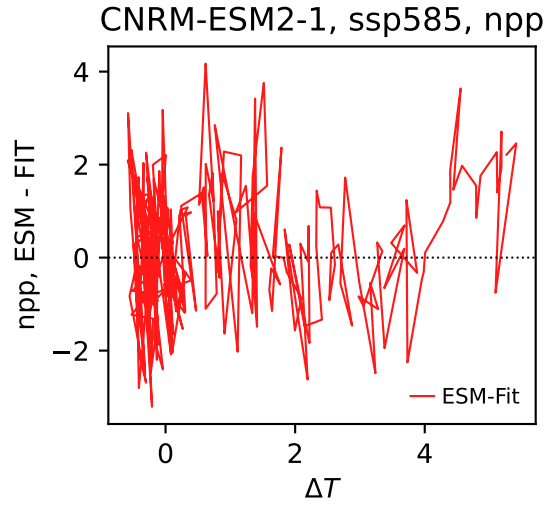

CNRM-ESM2-1, ssp585, sres, ln(MSE/SIGMA)
184, -0.3330, 43.6298, 0.3818, -0.0153, -1.0000, 0.9999, 0.8222, 0.
CNRM-ESM2-1
sres_c_tan2
sres_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
0.125
0.115
0.105
0.095
0.085
0.075
0.065
0.055
0.045

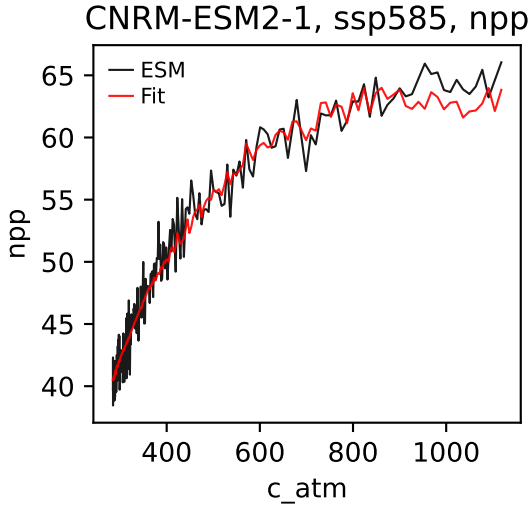

CNRM-ESM2-1, ssp585, sres, ln(MSE/SIGMA)
184, -0.3330, 43.6298, 0.3818, -0.0153, -1.0000, 0.9999, 0.8222, 0.
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
0.90
0.92
0.94
0.96
0.98
1.00
sres_fast
7
6
5
4
3
2
1
0

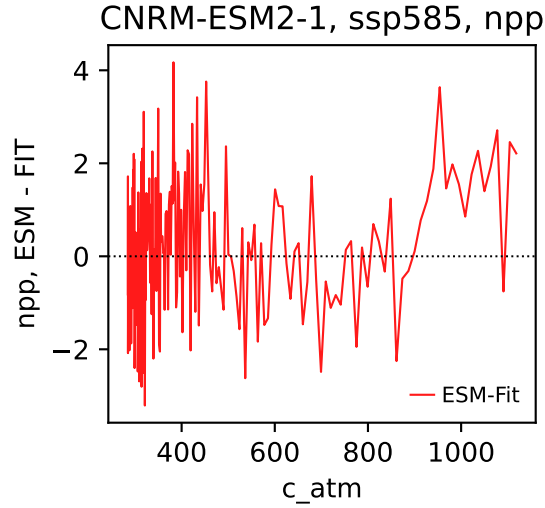

CNRM-ESM2-1, ssp585, npp
ESM
Fit
npp
Year

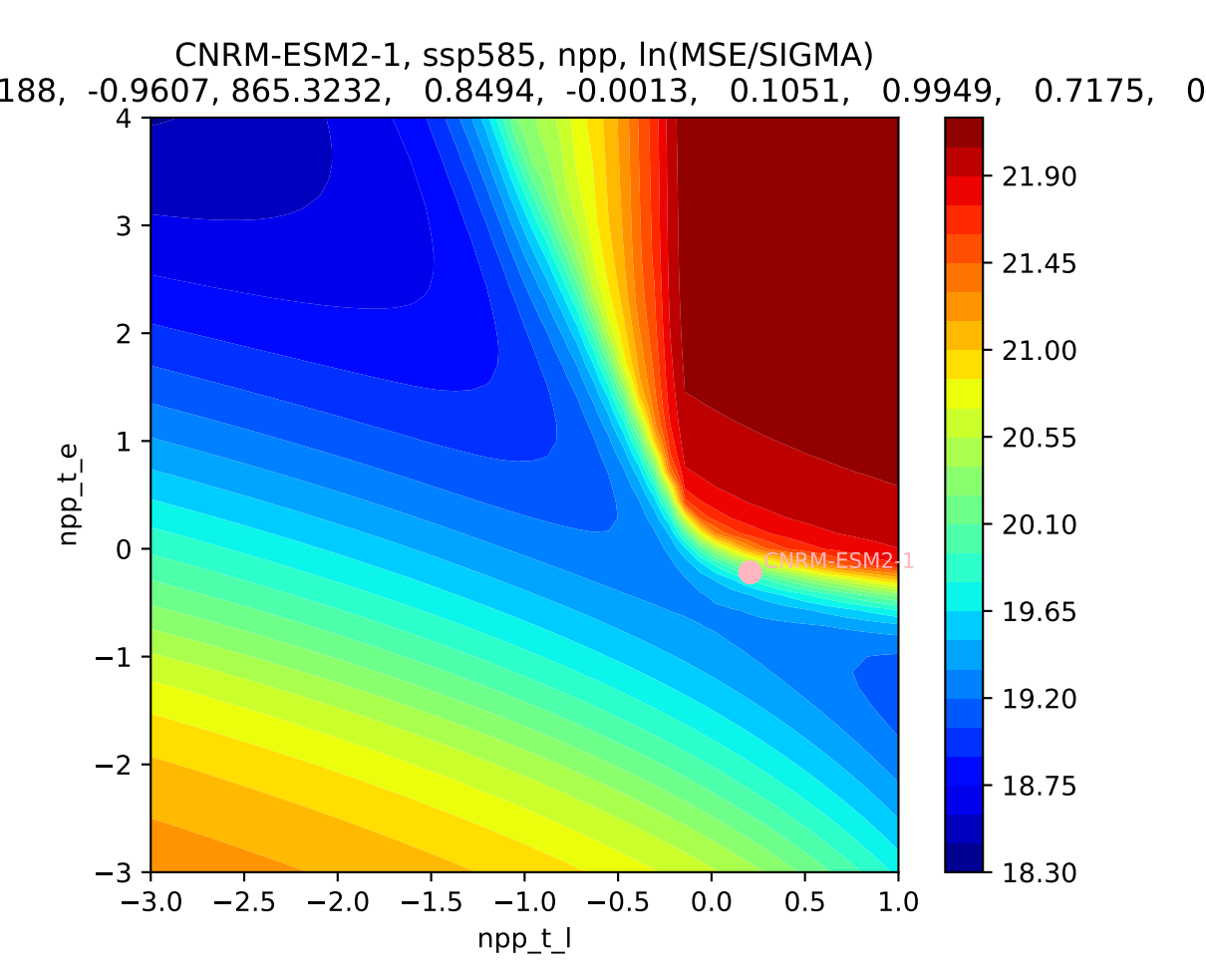

CNRM-ESM2-1, ssp585, npp
ESM-Fit
npp, ESM - FIT
Year

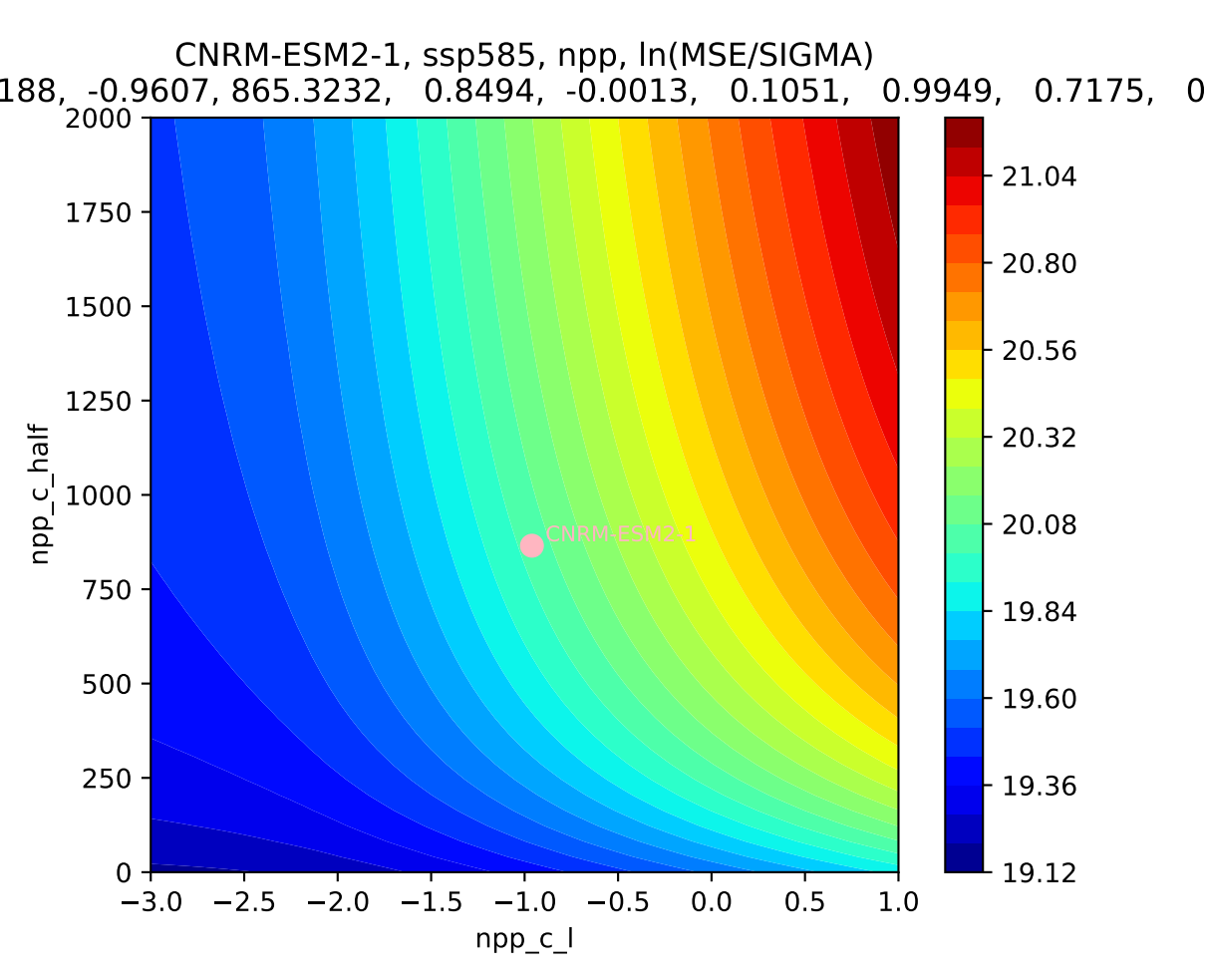

CNRM-ESM2-1, ssp585, npp
ESM
Fit
npp
ΔT

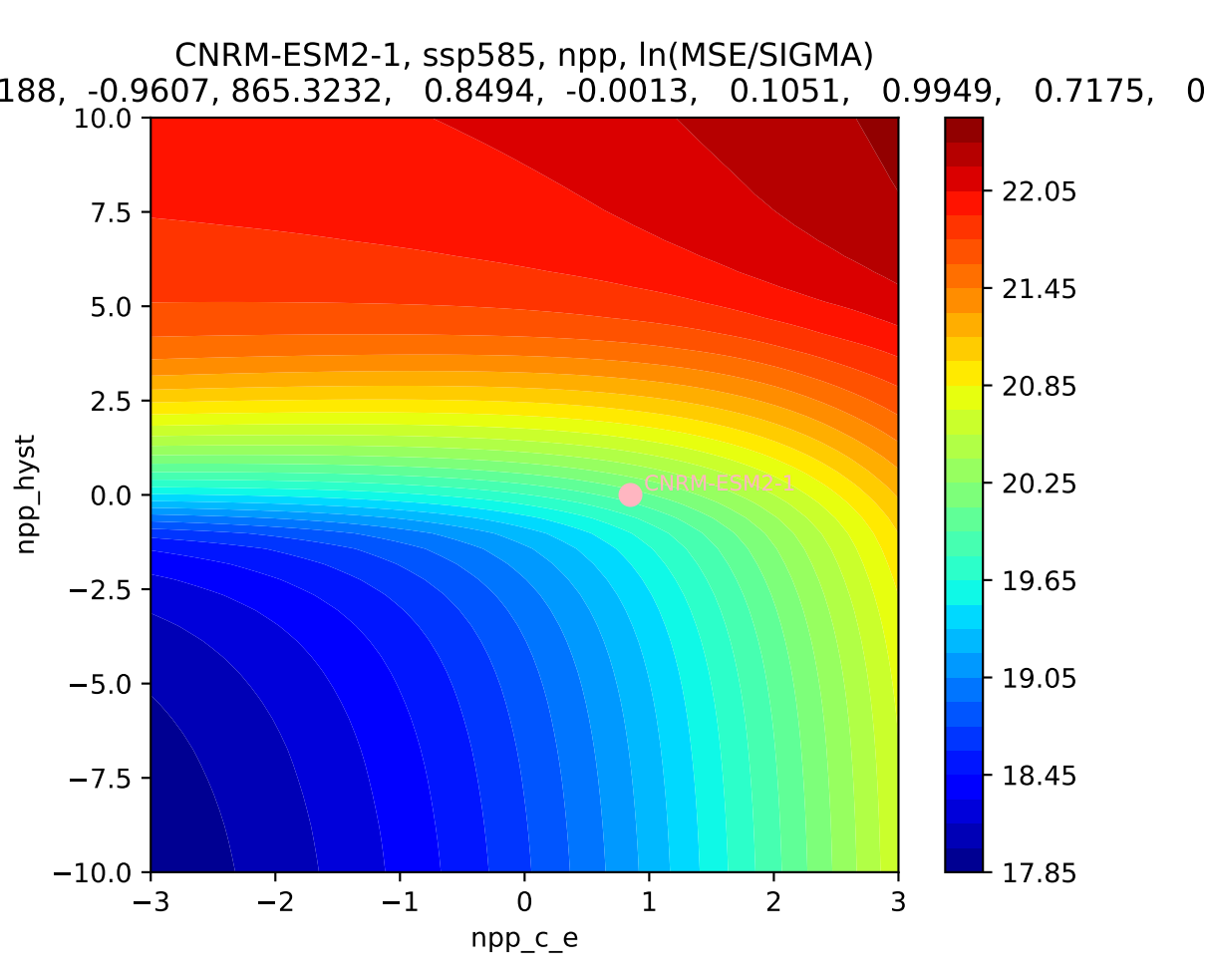

CNRM-ESM2-1, ssp585, npp
ESM-Fit
npp, ESM - FIT
ΔT

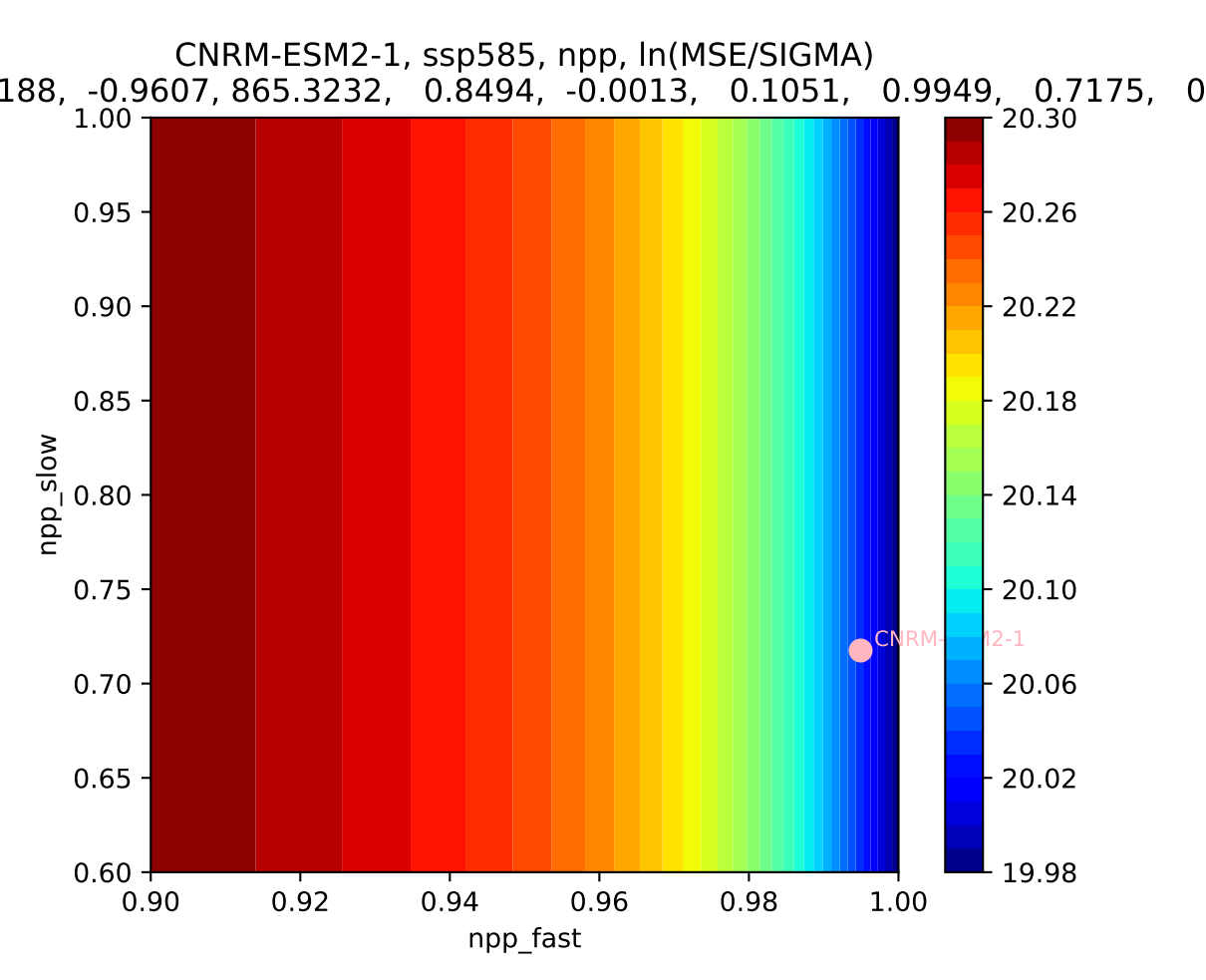

CNRM-ESM2-1, ssp585, npp
ESM
Fit
npp
c_atm

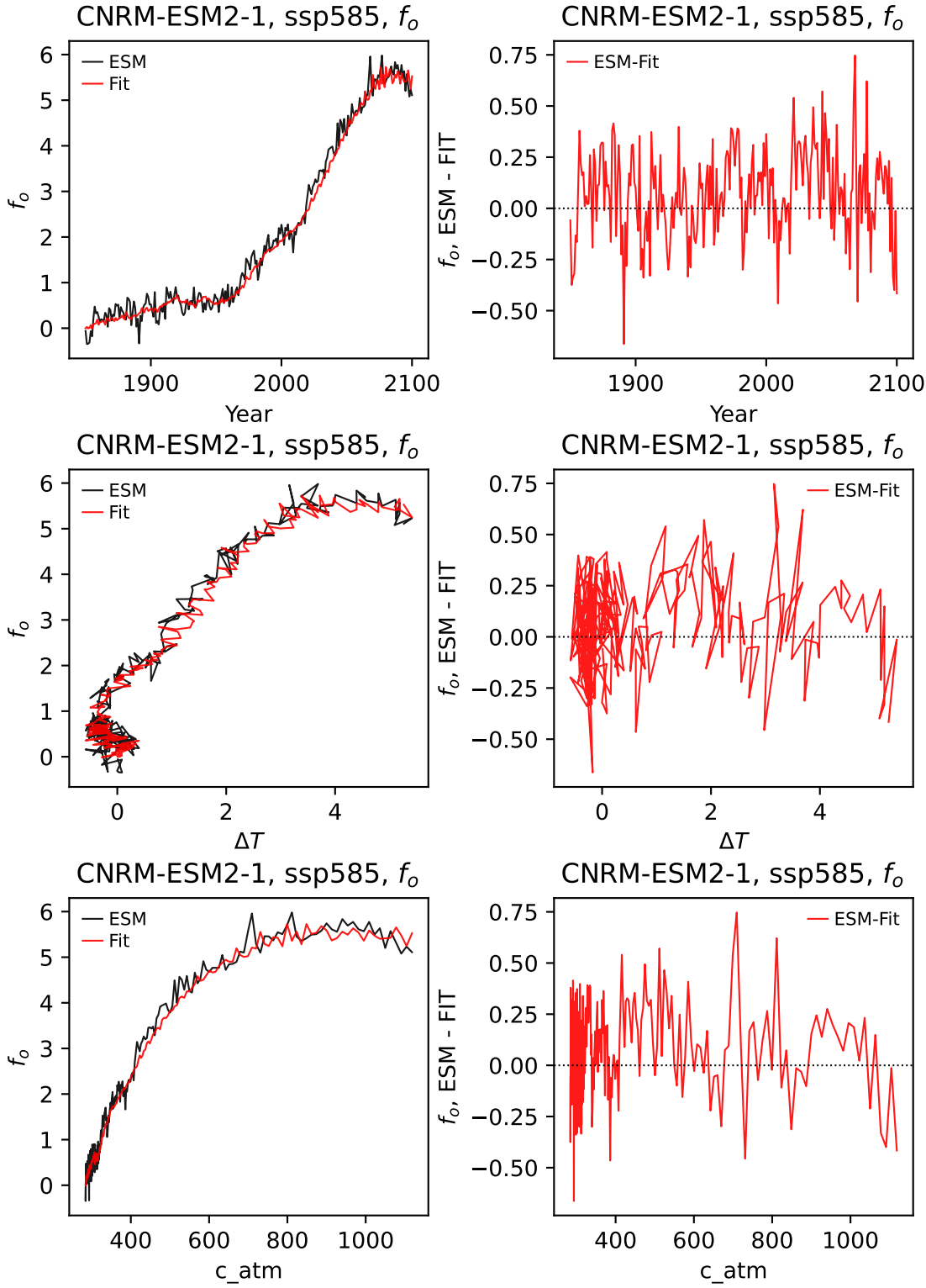

CNRM-ESM2-1, ssp585, npp
ESM-Fit
npp, ESM - FIT
c_atm

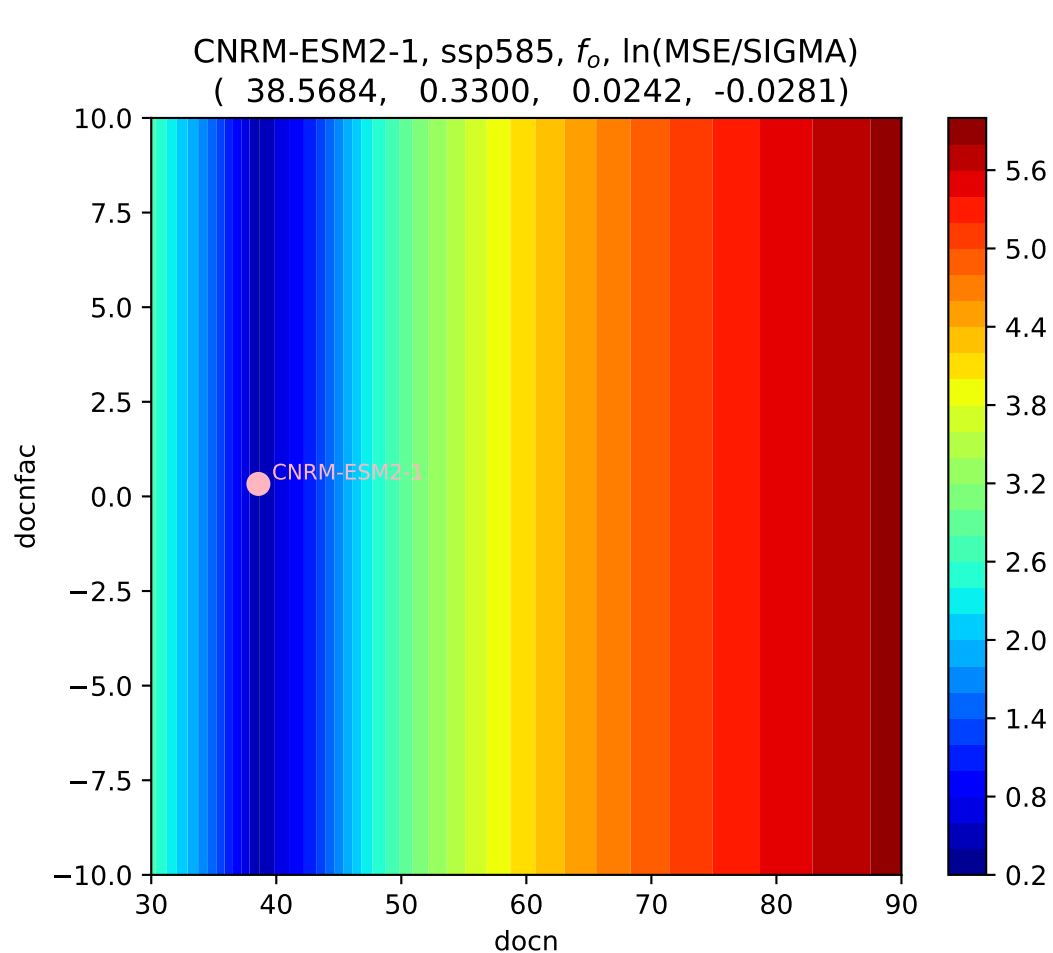

CNRM-ESM2-1, ssp585, npp, ln(MSE/SIGMA)
188, -0.9607, 865.3232, 0.8494, -0.0013, 0.1051, 0.9949, 0.7175, 0
npp_t_e
npp_t_l
CNRM-ESM2-1
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
21.90
21.45
21.00
20.55
20.10
19.65
19.20
18.75
18.30

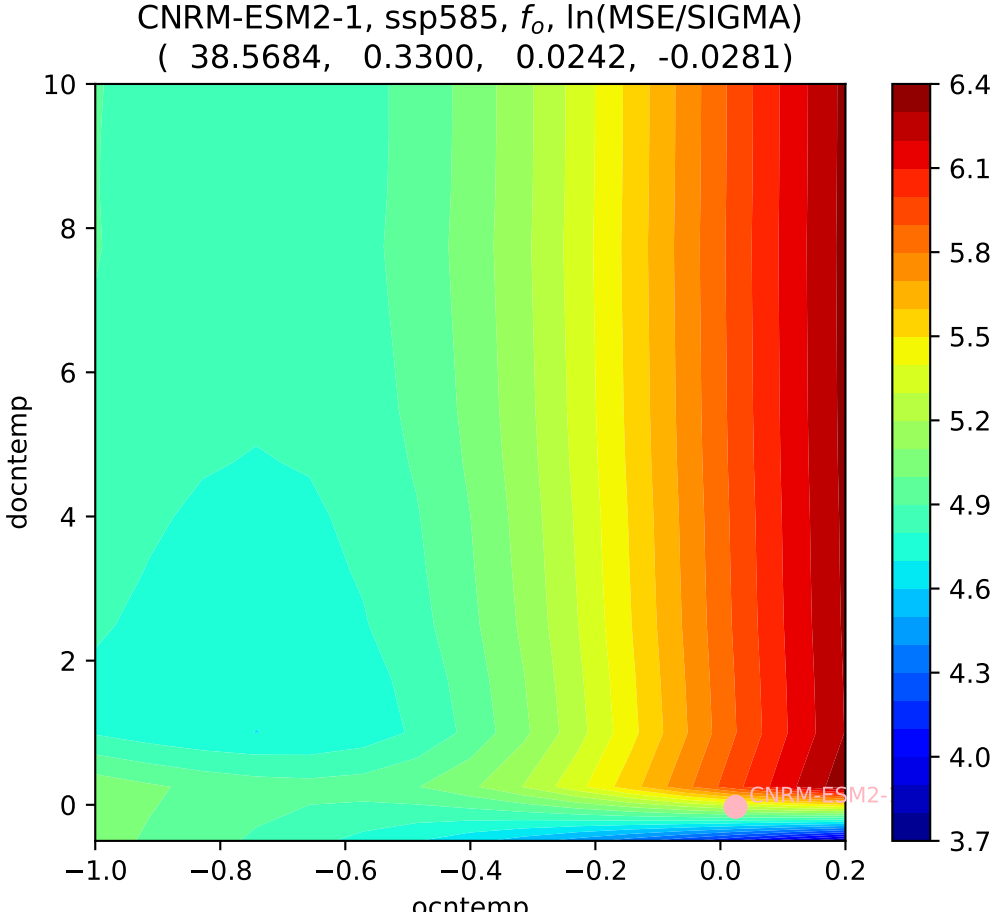

CNRM-ESM2-1, ssp585, npp, ln(MSE/SIGMA)
188, -0.9607, 865.3232, 0.8494, -0.0013, 0.1051, 0.9949, 0.7175, 0
2000
1750
1500
1250
1000
750
500
250
0
npp_c_half
CNRM-ESM2-1
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
npp_c_l
21.04
20.80
20.56
20.32
20.08
19.84
19.60
19.36
19.12


CNRM-ESM2-1, ssp585, npp, ln(MSE/SIGMA)
188, -0.9607, 865.3232, 0.8494, -0.0013, 0.1051, 0.9949, 0.7175, 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, ssp585, npp, ln(MSE/SIGMA)
188, -0.9607, 865.3232, 0.8494, -0.0013, 0.1051, 0.9949, 0.7175, 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
20.30
20.26
20.22
20.18
20.14
20.10
20.06
20.02
19.98
CNRM-
M2-1


CNRM-ESM2-1, ssp585, f_o
ESM
Fit
f_o
Year
CNRM-ESM2-1, ssp585, f_o
ESM-Fit
f_o, ESM - FIT
Year
CNRM-ESM2-1, ssp585, f_o
ESM
Fit
f_o
ΔT
CNRM-ESM2-1, ssp585, f_o
ESM-Fit
f_o, ESM - FIT
ΔT
CNRM-ESM2-1, ssp585, f_o
ESM
Fit
f_o
c_atm
CNRM-ESM2-1, ssp585, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


CNRM-ESM2-1, ssp585, f_o, ln(MSE/SIGMA)
(38.5684, 0.3300, 0.0242, -0.0281)
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, ssp585, f_o, ln(MSE/SIGMA)
(38.5684, 0.3300, 0.0242, -0.0281)
10
8
6
4
2
0
docntemp
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
ocntemp
6.4
6.1
5.8
5.5
5.2
4.9
4.6
4.3
4.0
3.7
CNRM-ESM2-