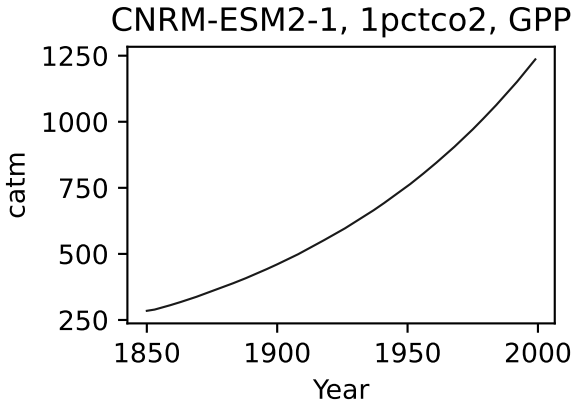
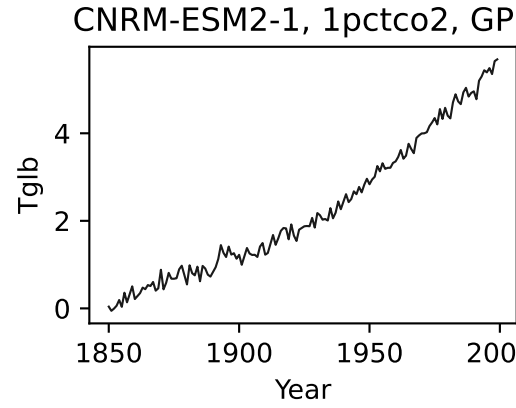
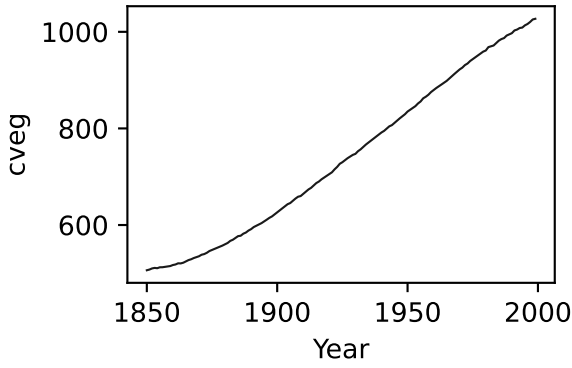
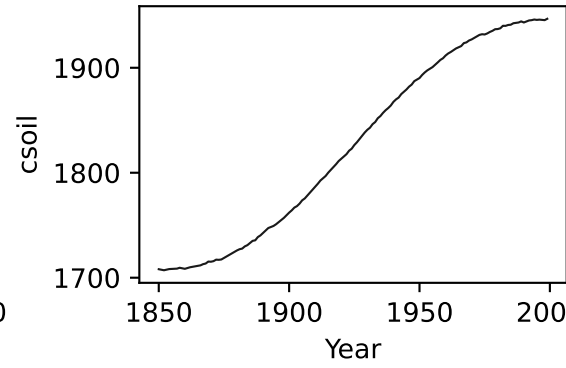
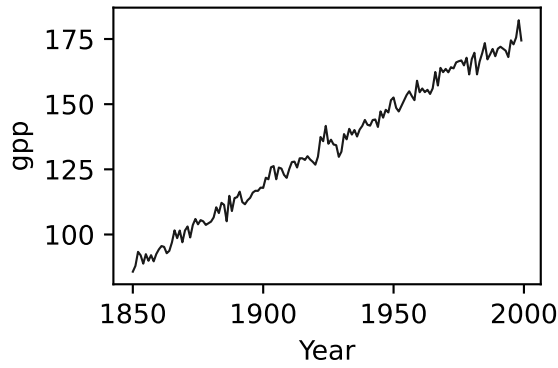
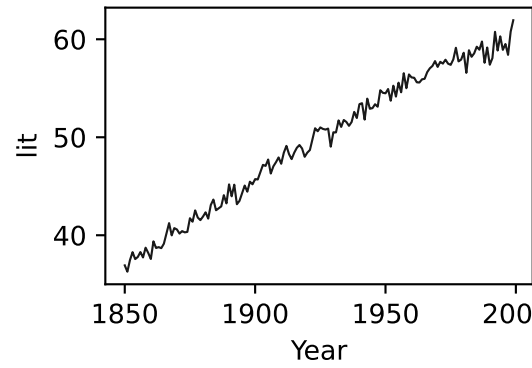

CNRM-ESM2-1, 1pctco2, GPP
catm
Year

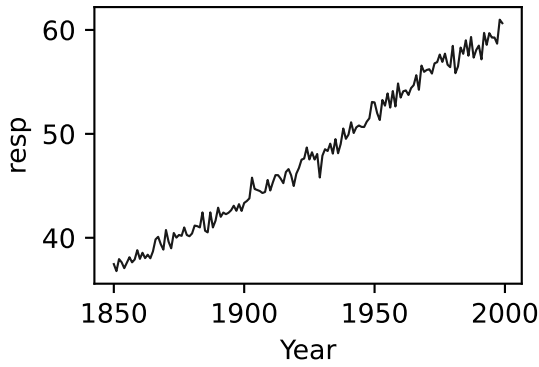

CNRM-ESM2-1, 1pctco2, GPP
Tglb
Year

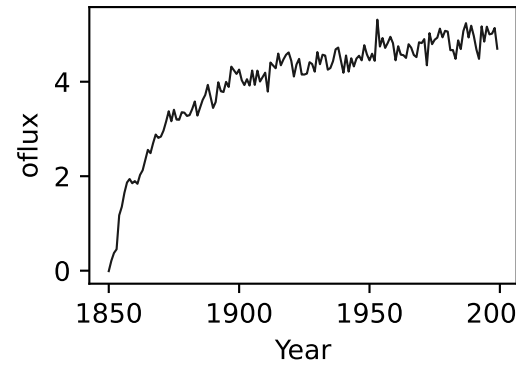

cveg
Year

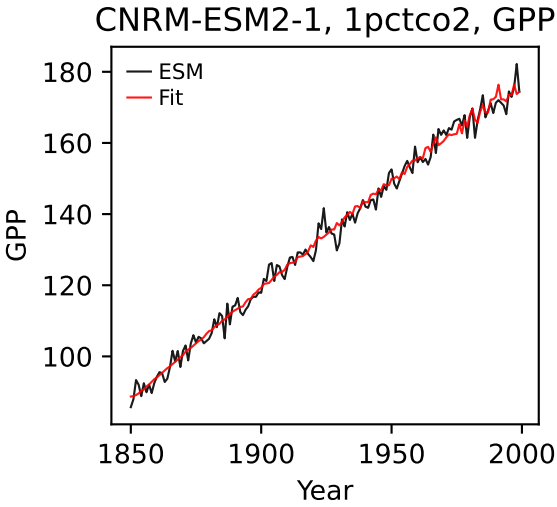

csoil
Year

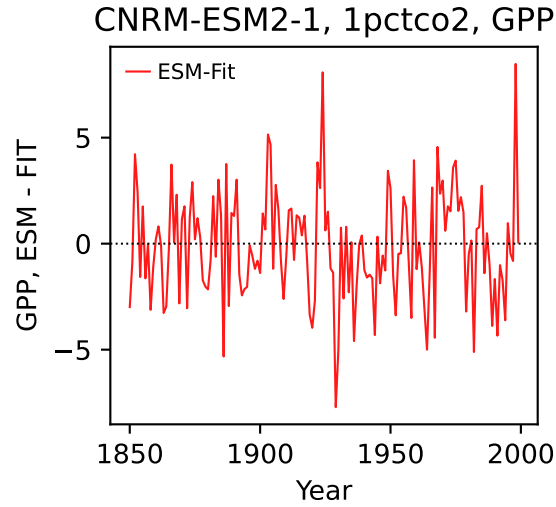

gpp
Year

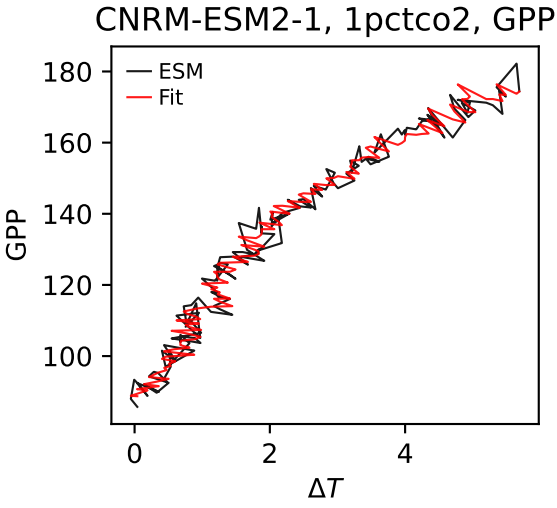

lit
Year

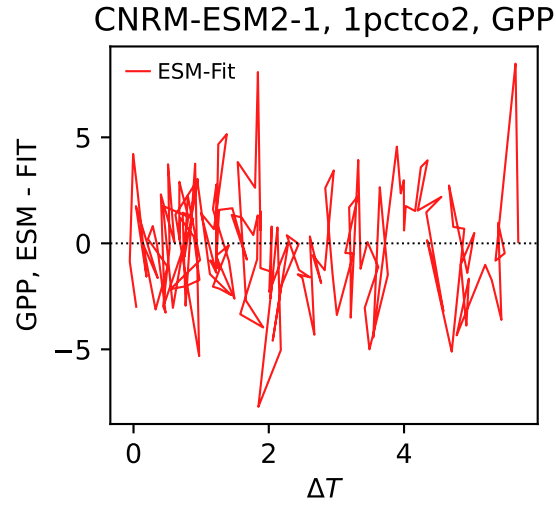

resp
Year

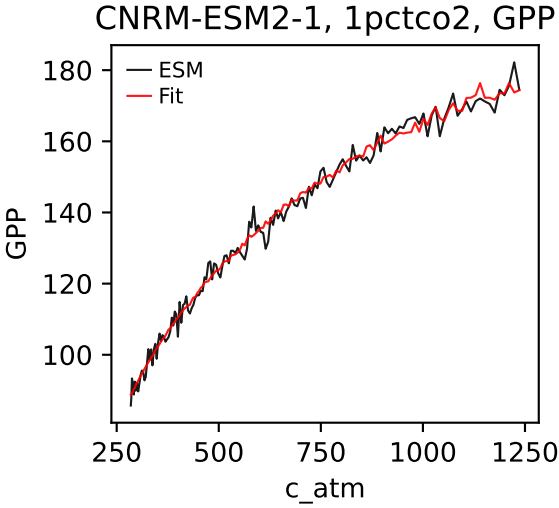

oflux
Year

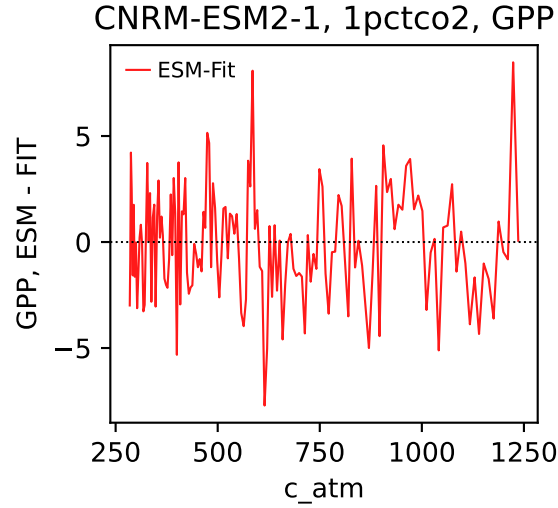

CNRM-ESM2-1, 1pctco2, GPP
ESM
Fit
GPP
Year

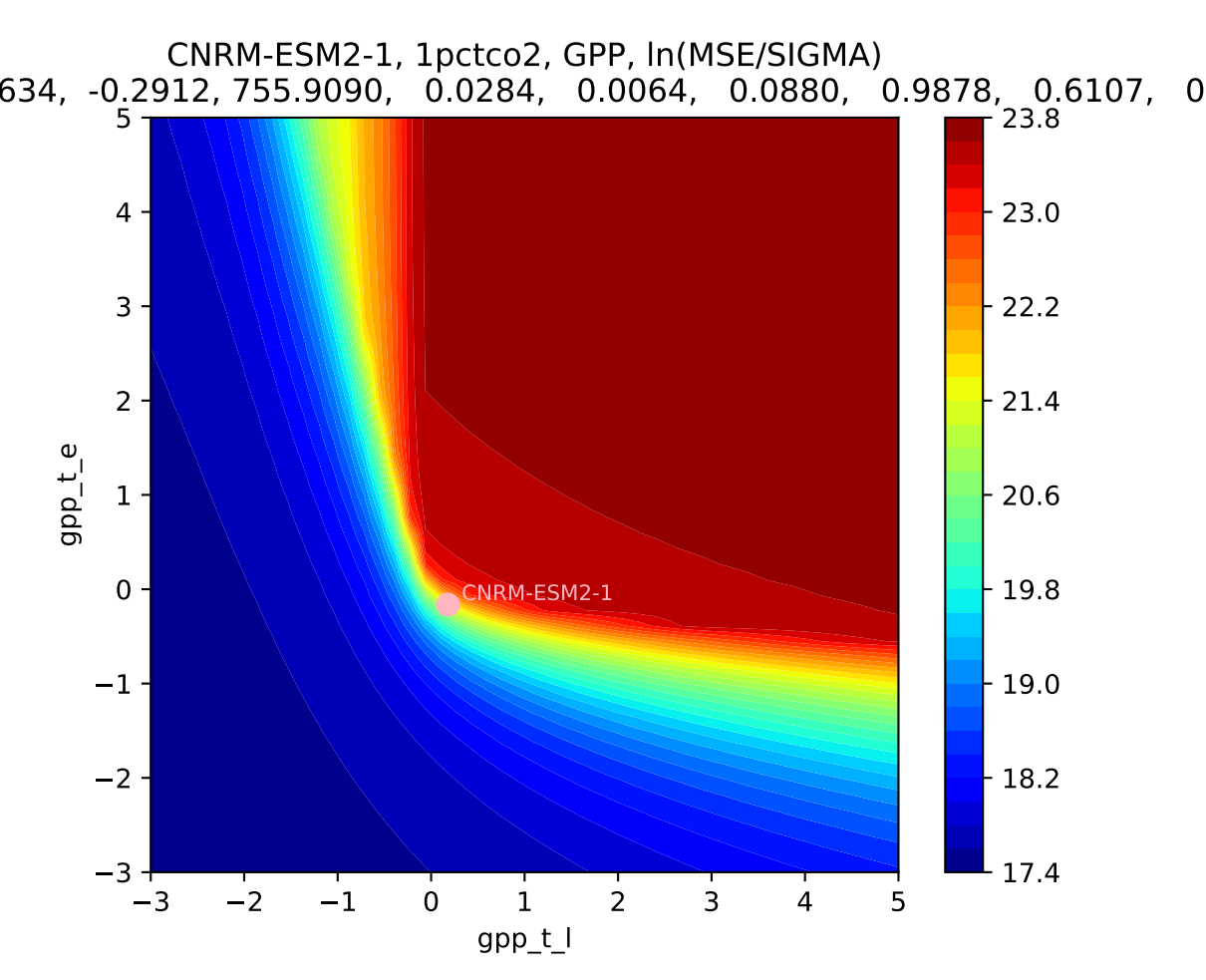

CNRM-ESM2-1, 1pctco2, GPP
ESM-Fit
GPP, ESM - FIT
Year

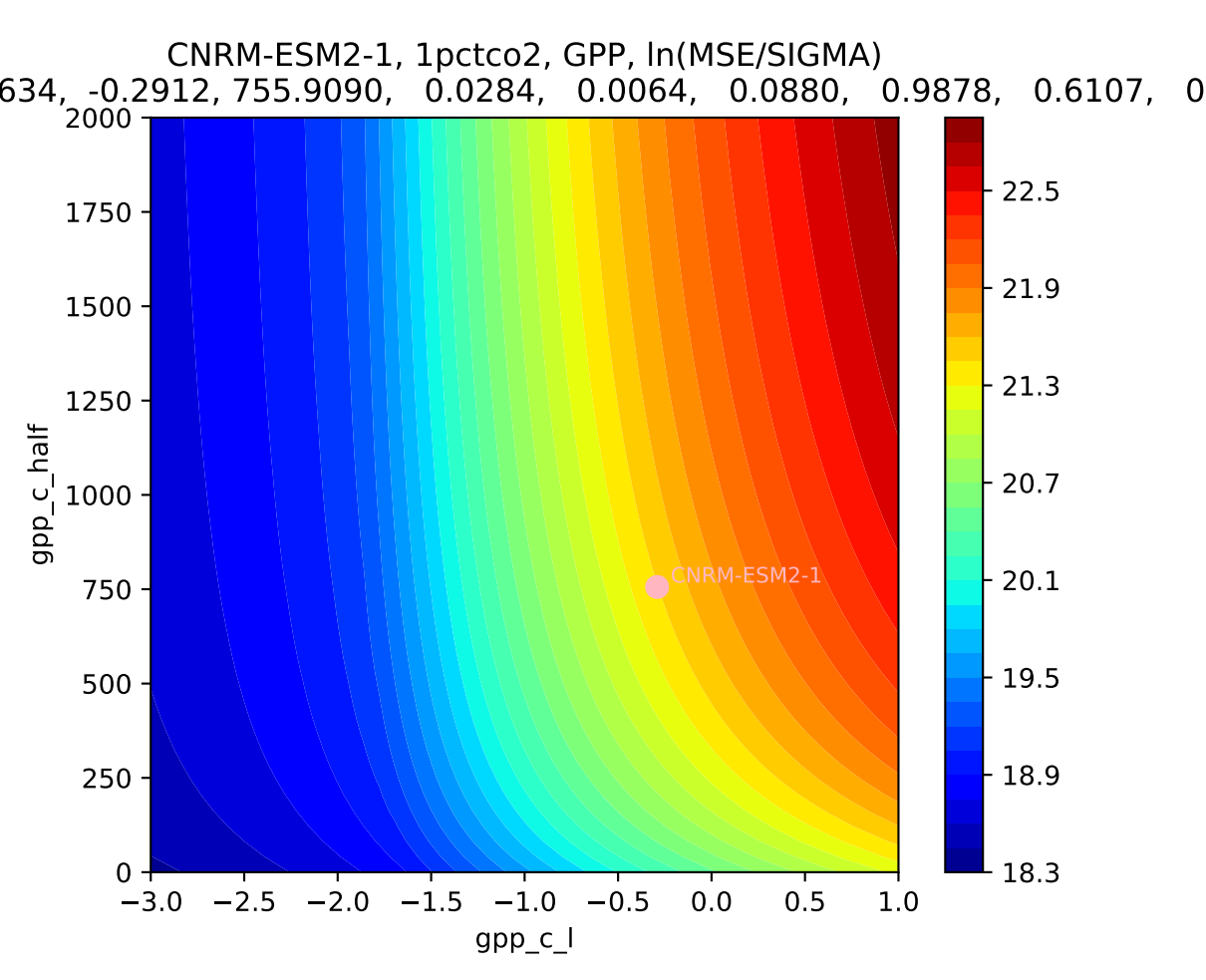

CNRM-ESM2-1, 1pctco2, GPP
ESM
Fit
GPP
ΔT

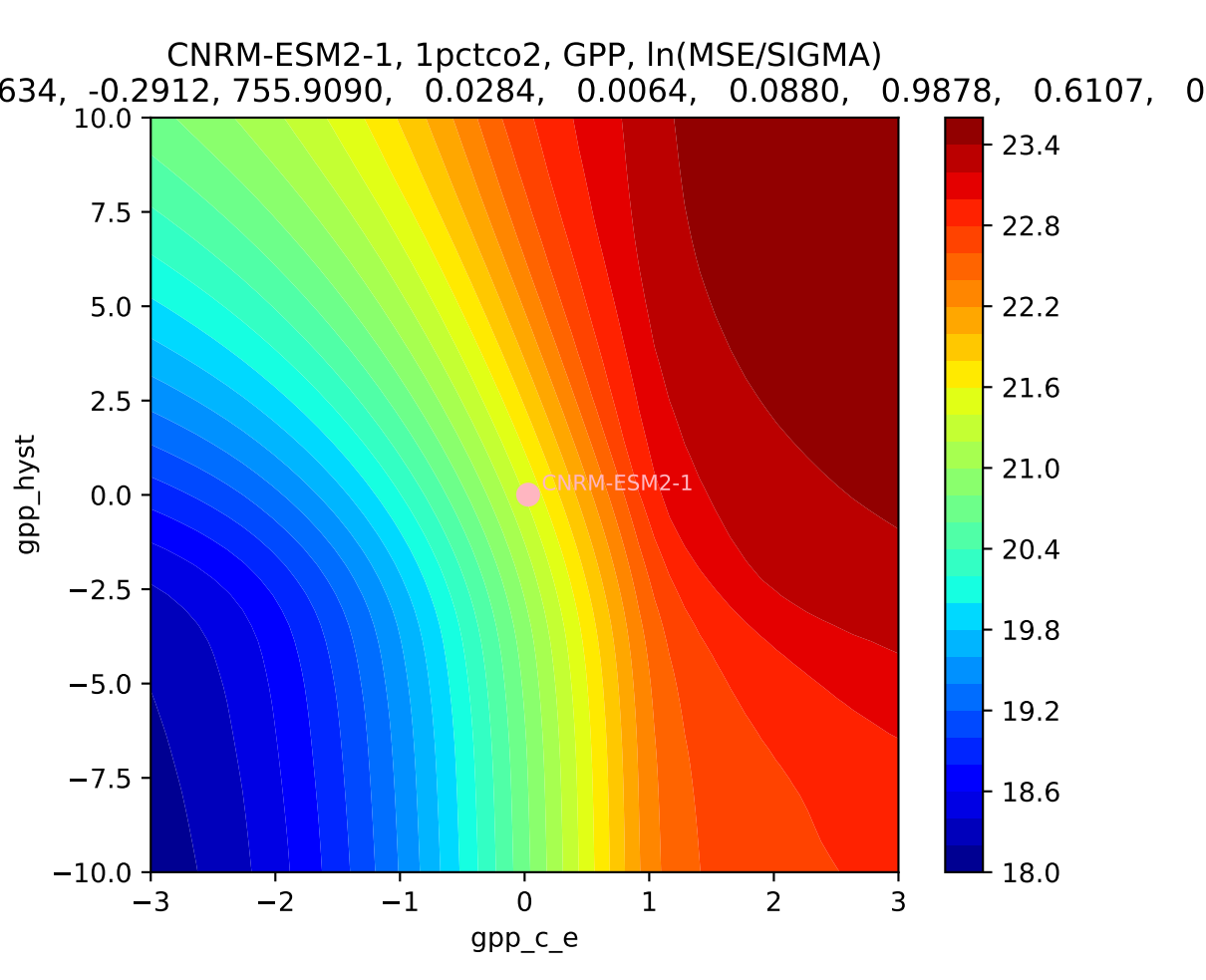

CNRM-ESM2-1, 1pctco2, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

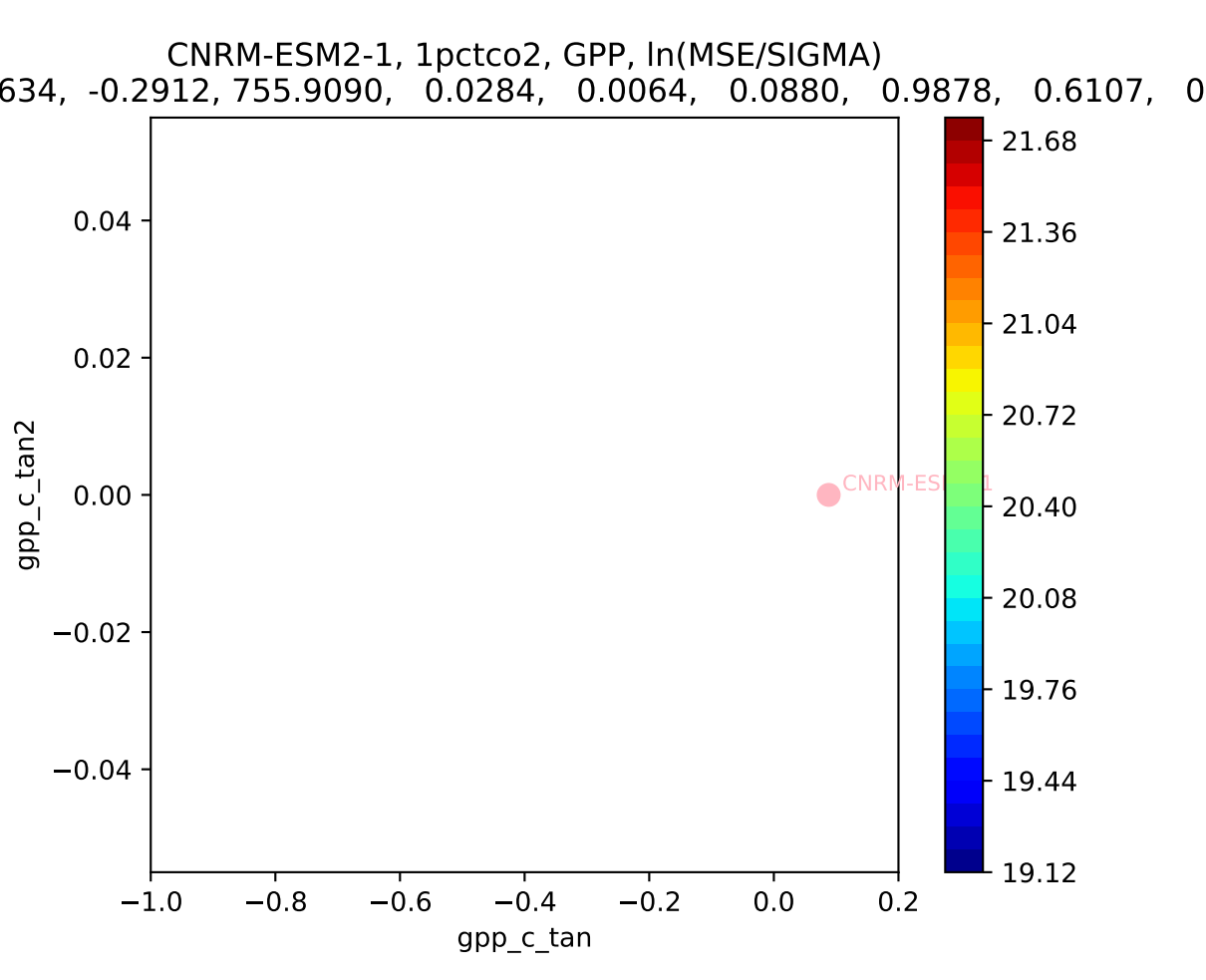

CNRM-ESM2-1, 1pctco2, GPP
ESM
Fit
GPP
c_atm

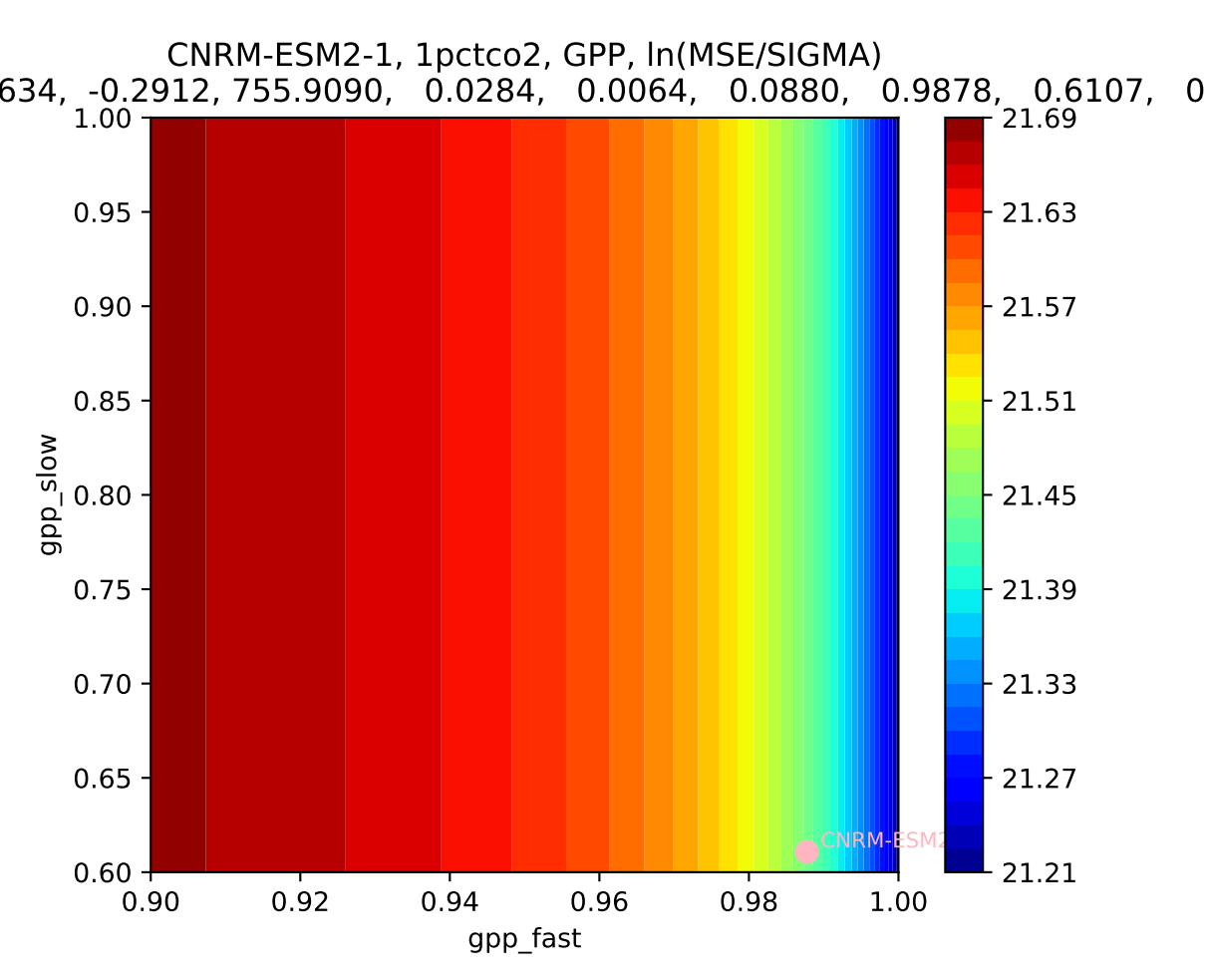

CNRM-ESM2-1, 1pctco2, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

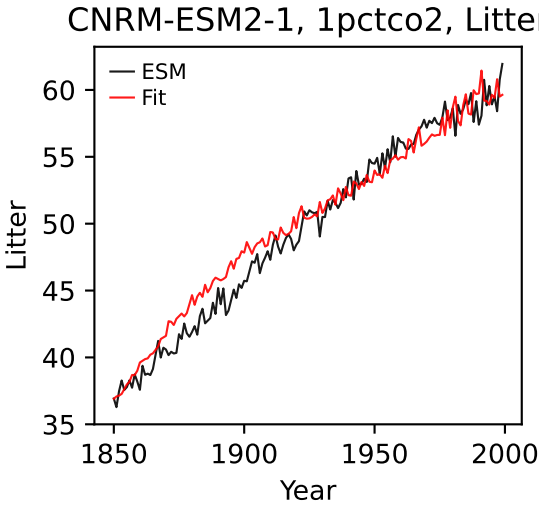

CNRM-ESM2-1, 1pctco2, GPP, ln(MSE/SIGMA)
634, -0.2912, 755.9090, 0.0284, 0.0064, 0.0880, 0.9878, 0.6107, 0
CNRM-ESM2-1
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
23.8
23.0
22.2
21.4
20.6
19.8
19.0
18.2
17.4

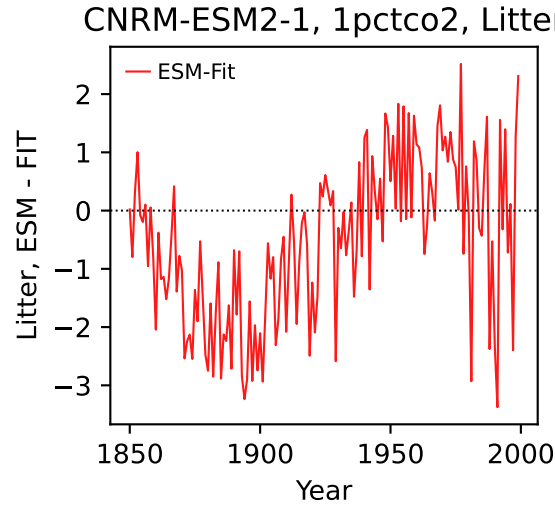

CNRM-ESM2-1, 1pctco2, GPP, ln(MSE/SIGMA)
634, -0.2912, 755.9090, 0.0284, 0.0064, 0.0880, 0.9878, 0.6107, 0
gpp_c_half
gpp_c_l
CNRM-ESM2-1
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
22.5
21.9
21.3
20.7
20.1
19.5
18.9
18.3

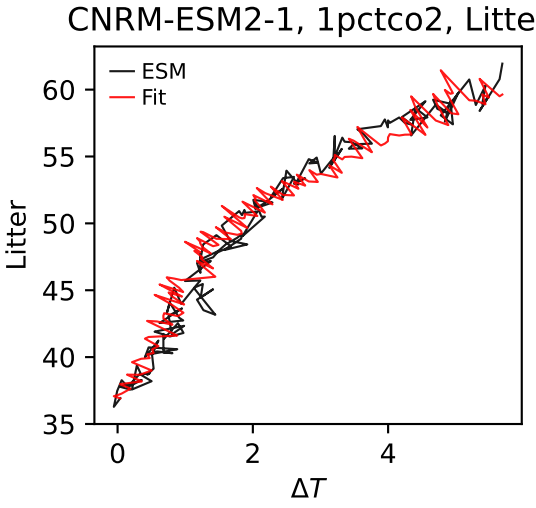

CNRM-ESM2-1, 1pctco2, GPP, ln(MSE/SIGMA)
634, -0.2912, 755.9090, 0.0284, 0.0064, 0.0880, 0.9878, 0.6107, 0
CNRM-ESM2-1
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
23.4
22.8
22.2
21.6
21.0
20.4
19.8
19.2
18.6
18.0

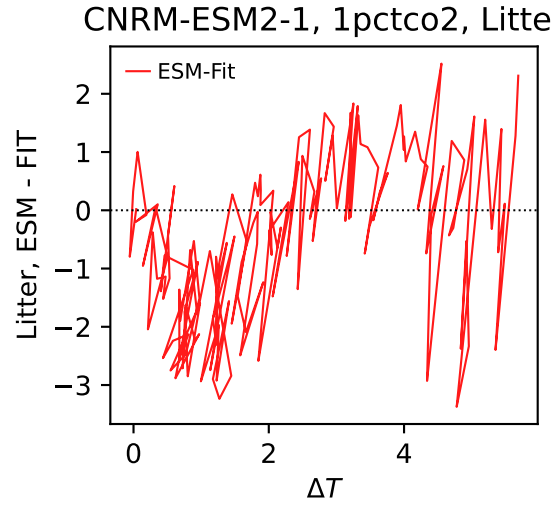

CNRM-ESM2-1, 1pctco2, GPP, ln(MSE/SIGMA)
634, -0.2912, 755.9090, 0.0284, 0.0064, 0.0880, 0.9878, 0.6107, 0
0.04
0.02
0.00
−0.02
−0.04
gpp_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
gpp_c_tan
21.68
21.36
21.04
20.72
20.40
20.08
19.76
19.44
19.12

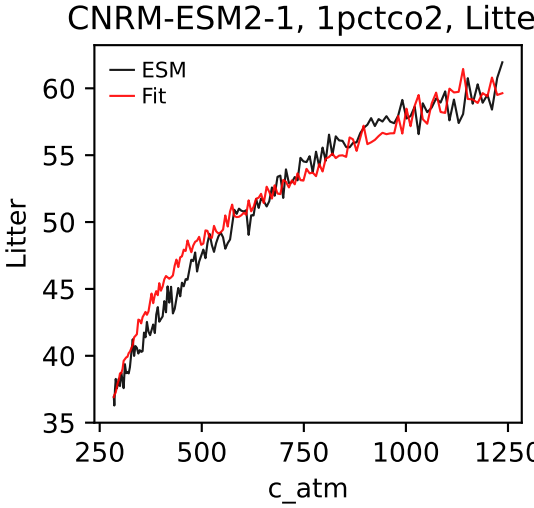

CNRM-ESM2-1, 1pctco2, GPP, ln(MSE/SIGMA)
634, -0.2912, 755.9090, 0.0284, 0.0064, 0.0880, 0.9878, 0.6107, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
gpp_slow
0.90
0.92
0.94
0.96
0.98
1.00
gpp_fast
21.69
21.63
21.57
21.51
21.45
21.39
21.33
21.27
21.21
CNRM-ESM2

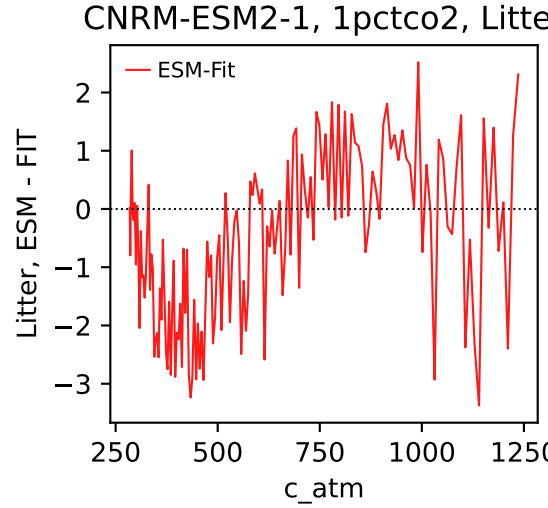

CNRM-ESM2-1, 1pctco2, Litter
ESM
Fit
Litter
Year

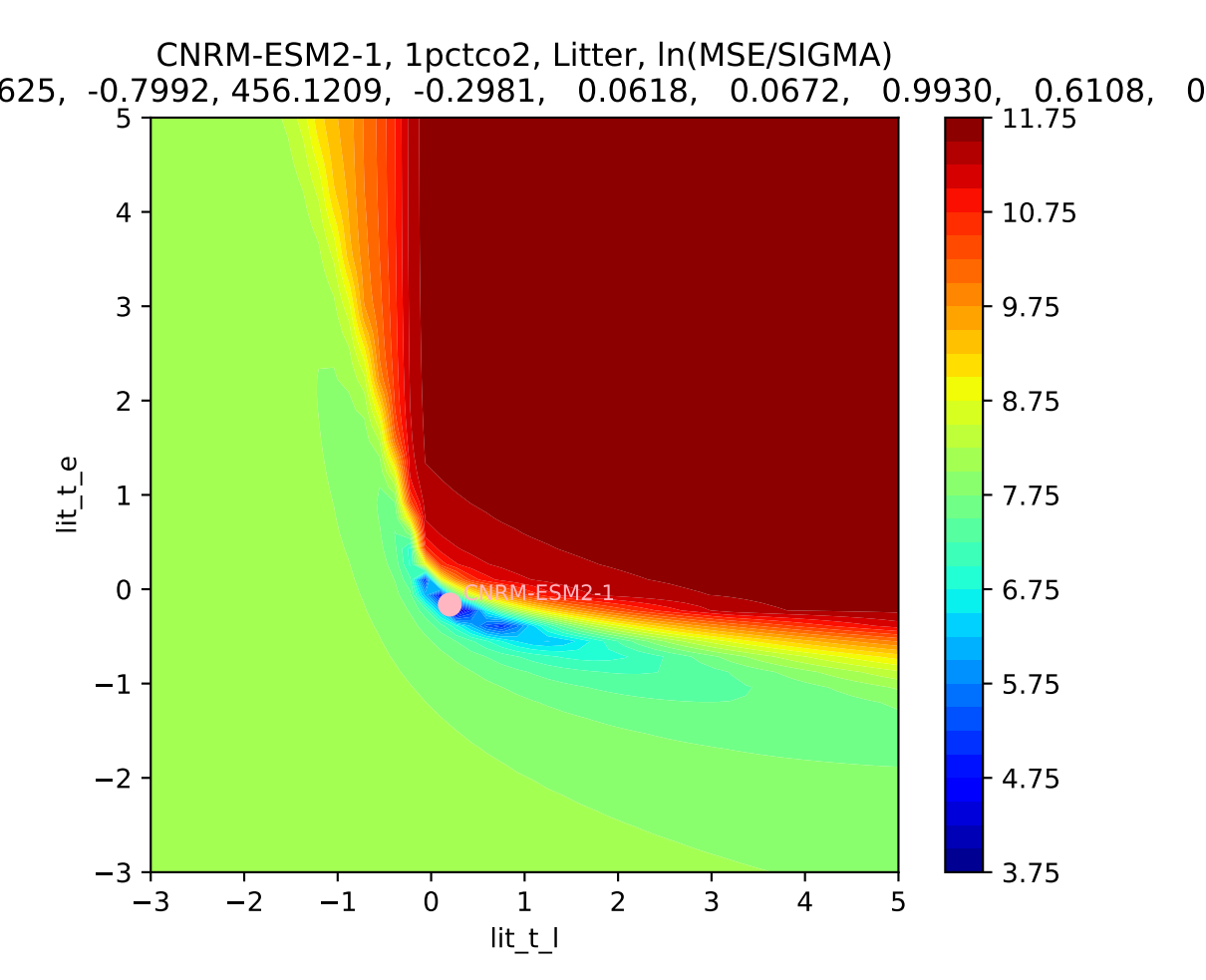

CNRM-ESM2-1, 1pctco2, Litter
ESM-Fit
Litter, ESM - FIT
Year

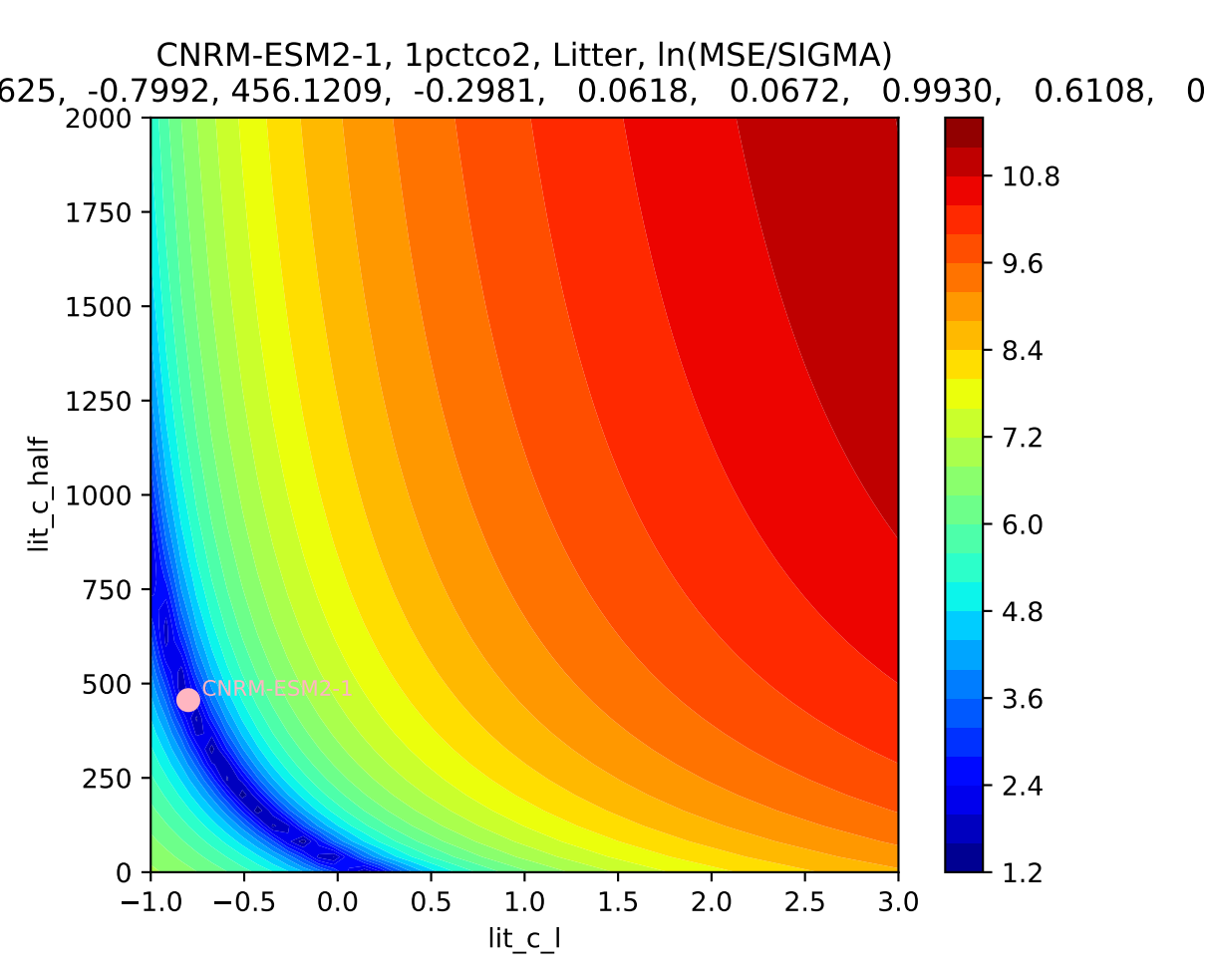

CNRM-ESM2-1, 1pctco2, Litter
ESM
Fit
Litter
ΔT

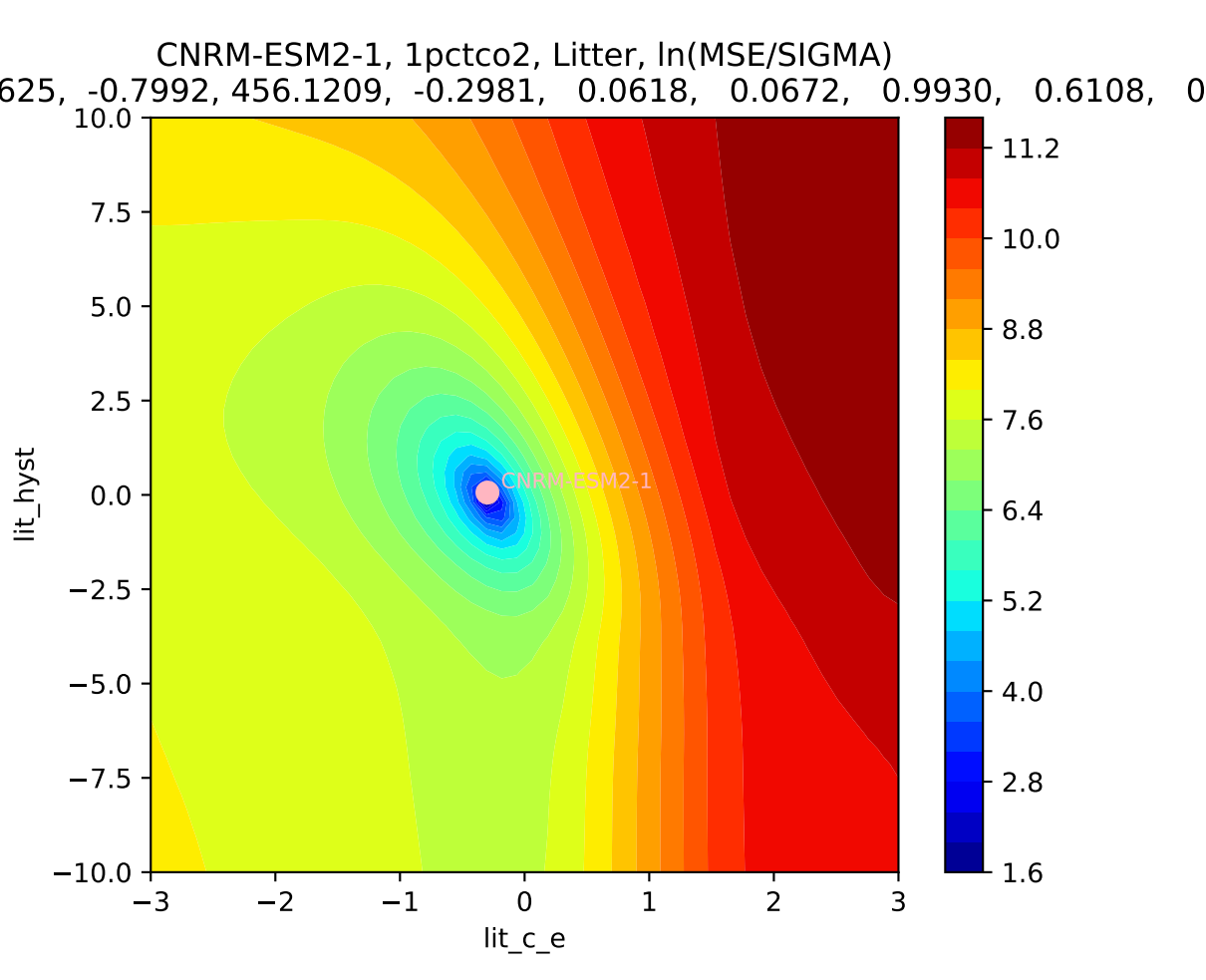

CNRM-ESM2-1, 1pctco2, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

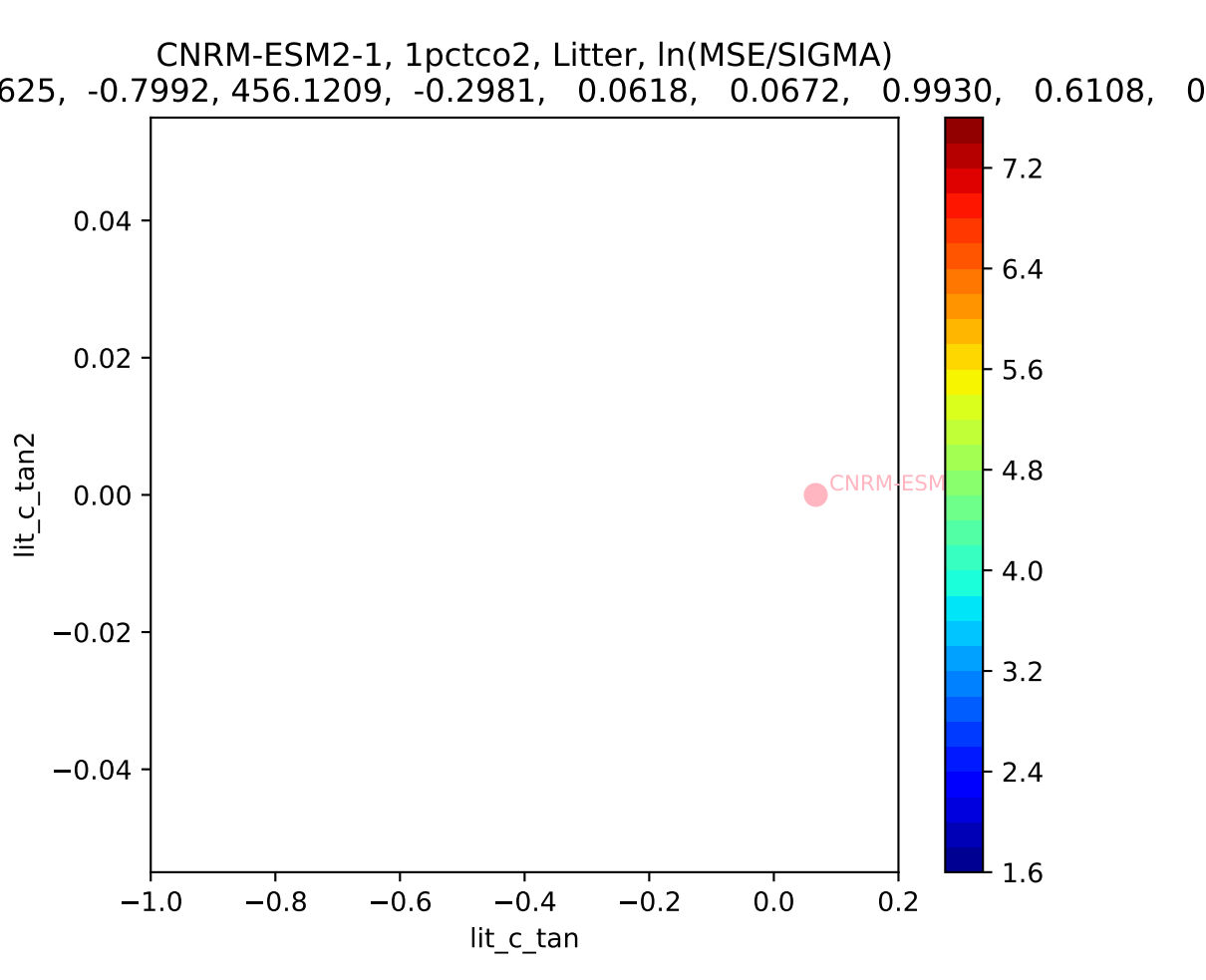

CNRM-ESM2-1, 1pctco2, Litter
ESM
Fit
Litter
c_atm

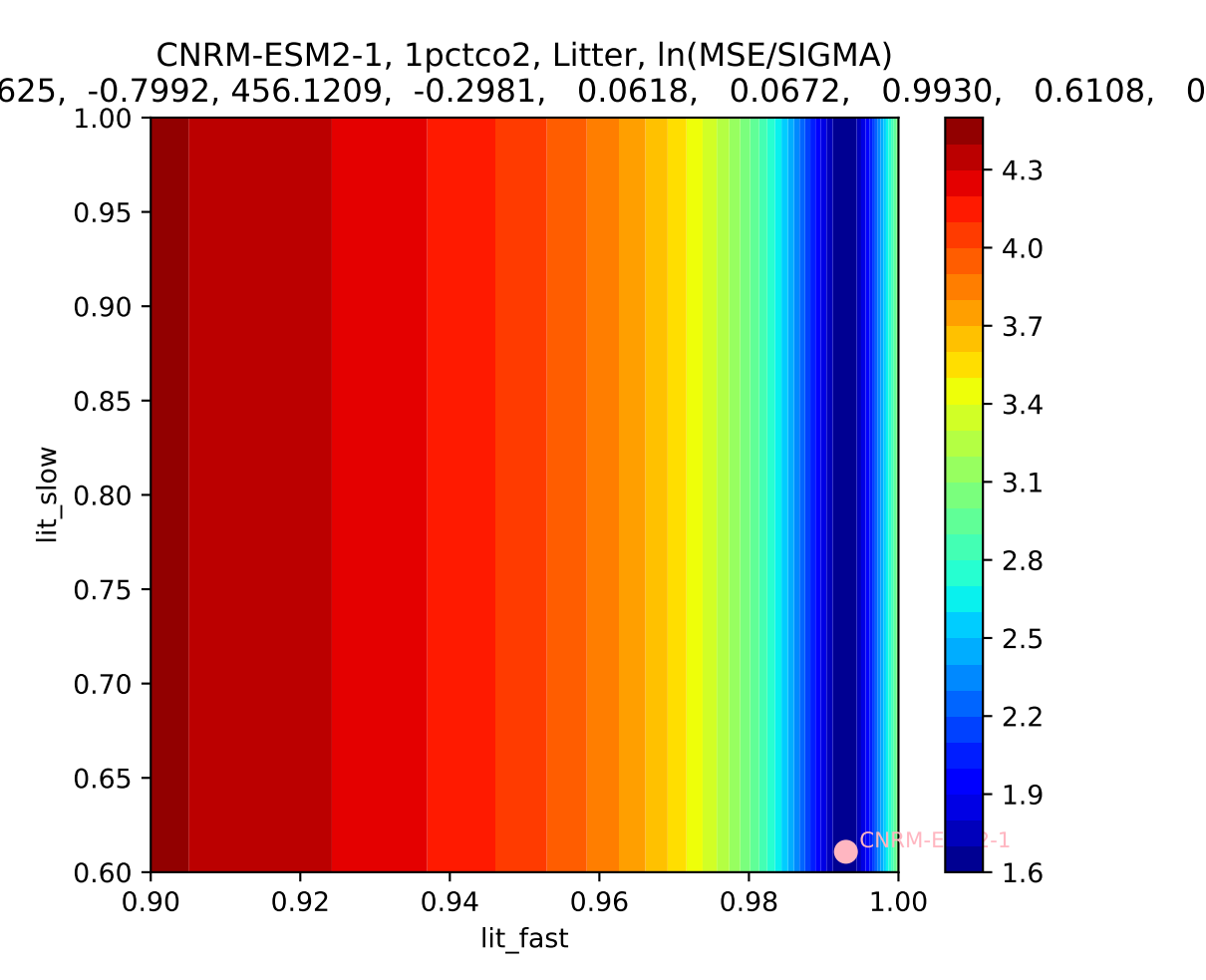

CNRM-ESM2-1, 1pctco2, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

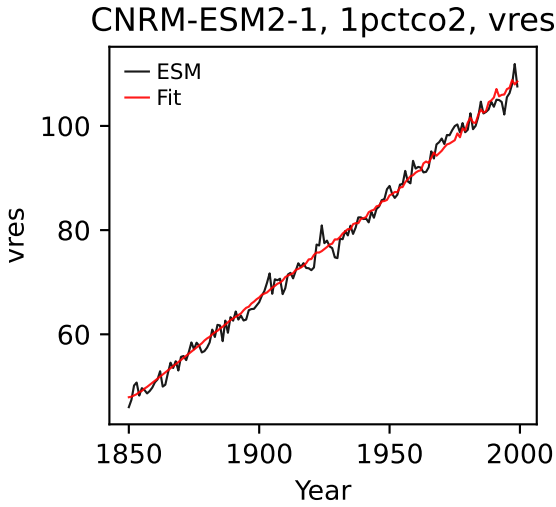

CNRM-ESM2-1, 1pctco2, Litter, ln(MSE/SIGMA)
625, -0.7992, 456.1209, -0.2981, 0.0618, 0.0672, 0.9930, 0.6108, 0
CNRM-ESM2-1
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
11.75
10.75
9.75
8.75
7.75
6.75
5.75
4.75
3.75

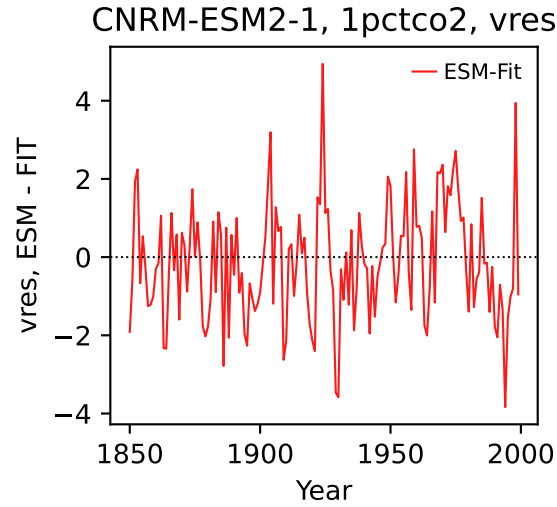

CNRM-ESM2-1, 1pctco2, Litter, ln(MSE/SIGMA)
625, -0.7992, 456.1209, -0.2981, 0.0618, 0.0672, 0.9930, 0.6108, 0
lit_c_half
lit_c_l
CNRM-ESM2-1
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

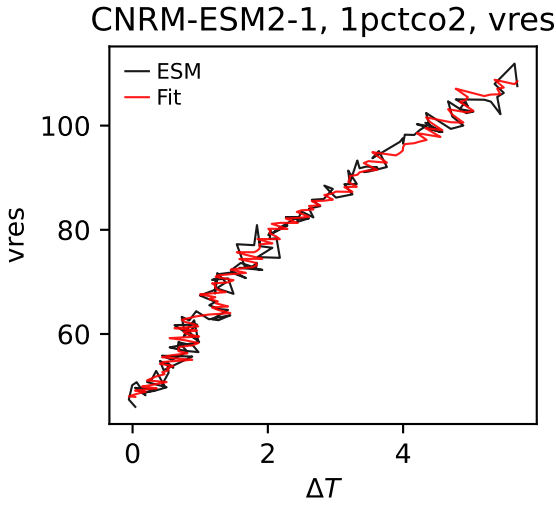

CNRM-ESM2-1, 1pctco2, Litter, ln(MSE/SIGMA)
625, -0.7992, 456.1209, -0.2981, 0.0618, 0.0672, 0.9930, 0.6108, 0
CNRM-ESM2-1
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6

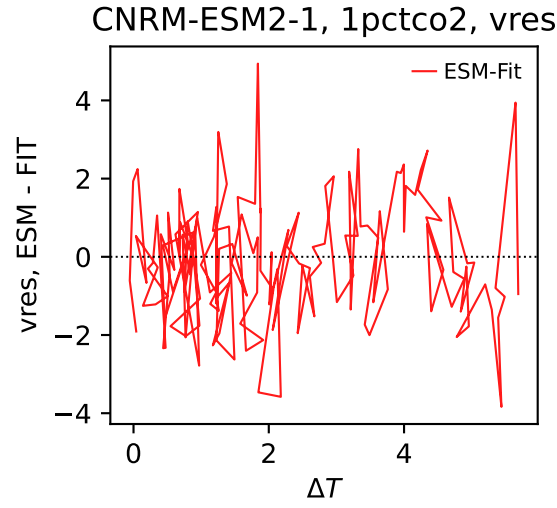

CNRM-ESM2-1, 1pctco2, Litter, ln(MSE/SIGMA)
625, -0.7992, 456.1209, -0.2981, 0.0618, 0.0672, 0.9930, 0.6108, 0
0.04
0.02
0.00
−0.02
−0.04
lit_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
lit_c_tan
7.2
6.4
5.6
4.8
4.0
3.2
2.4
1.6

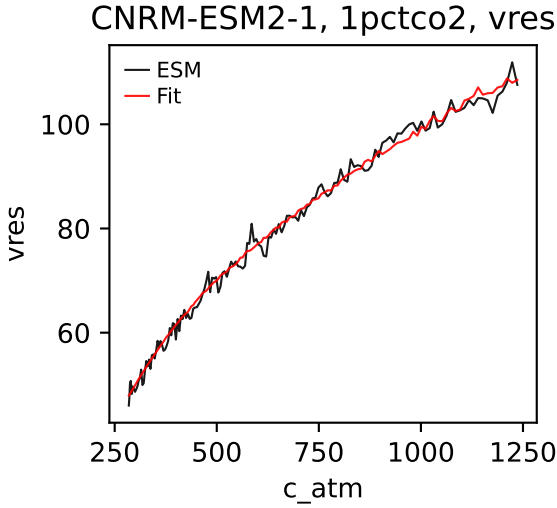

CNRM-ESM2-1, 1pctco2, Litter, ln(MSE/SIGMA)
625, -0.7992, 456.1209, -0.2981, 0.0618, 0.0672, 0.9930, 0.6108, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
0.90
0.92
0.94
0.96
0.98
1.00
lit_fast
4.3
4.0
3.7
3.4
3.1
2.8
2.5
2.2
1.9
1.6

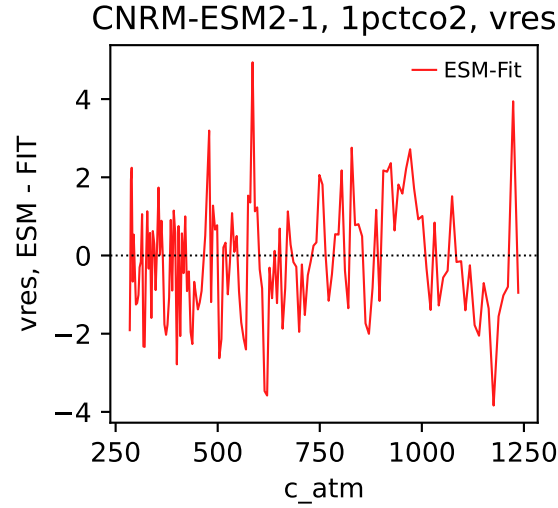

CNRM-ESM2-1, 1pctco2, vres
ESM
Fit
vres
Year

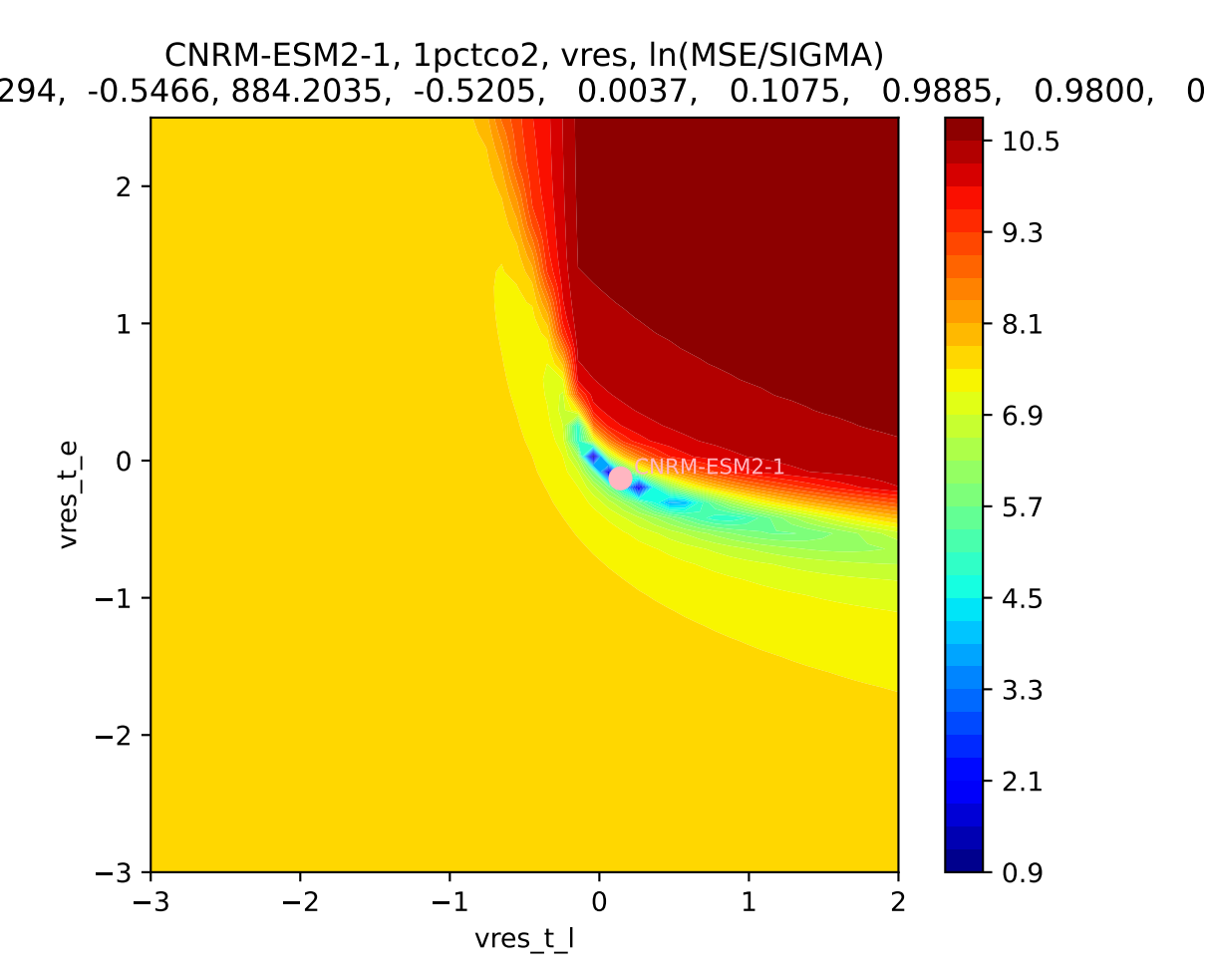

CNRM-ESM2-1, 1pctco2, vres
ESM-Fit
vres, ESM - FIT
Year

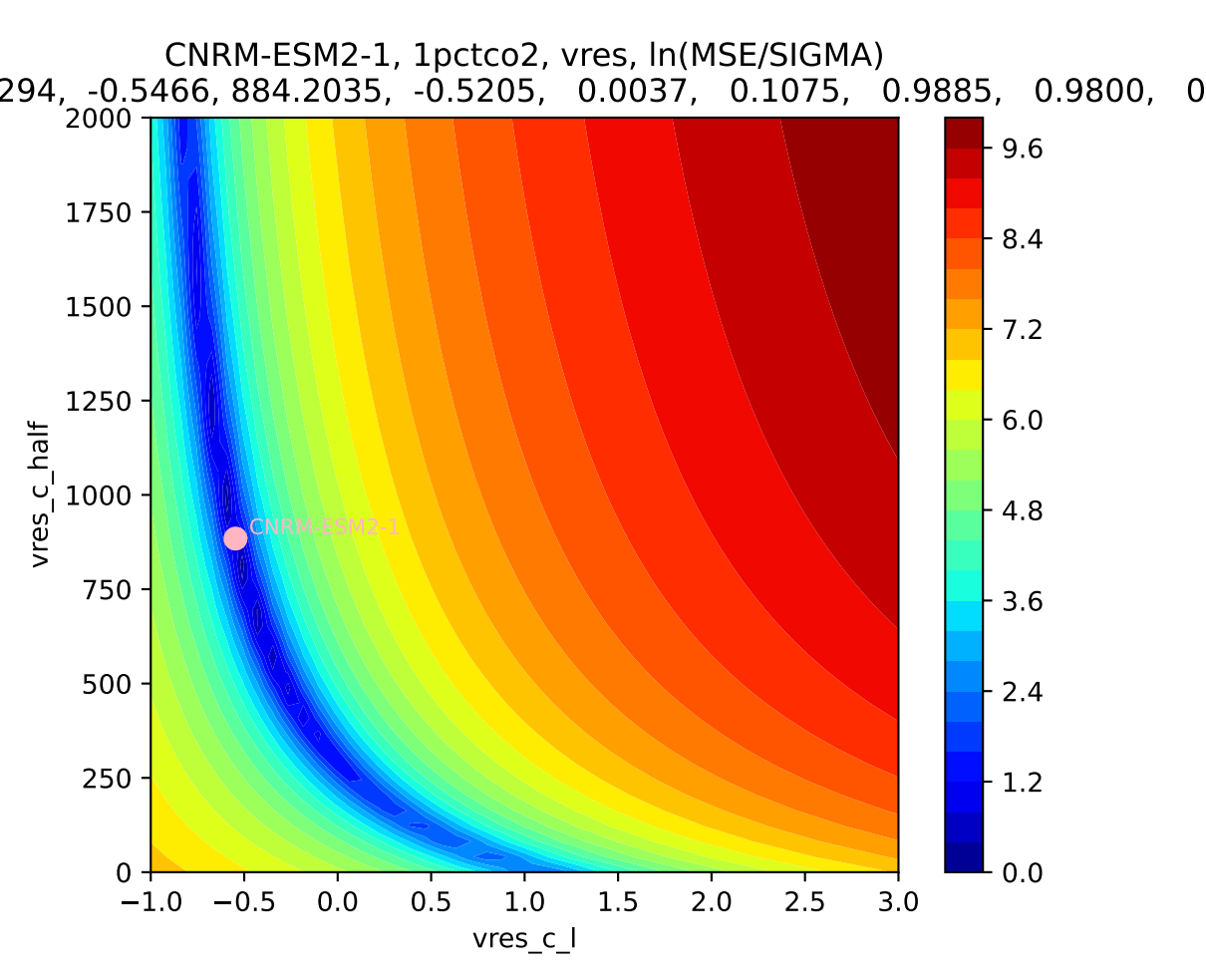

CNRM-ESM2-1, 1pctco2, vres
ESM
Fit
vres
ΔT

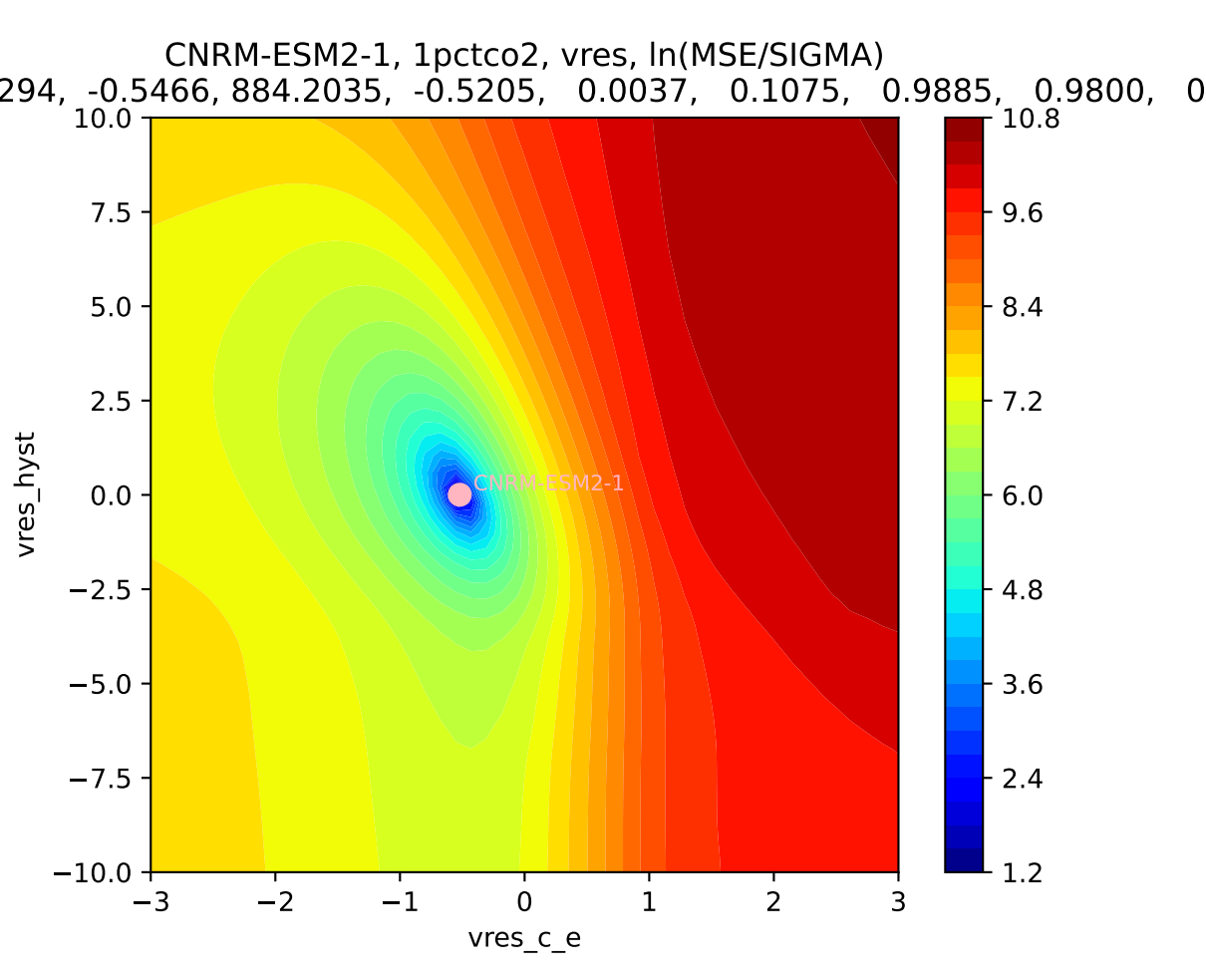

CNRM-ESM2-1, 1pctco2, vres
ESM-Fit
vres, ESM - FIT
ΔT

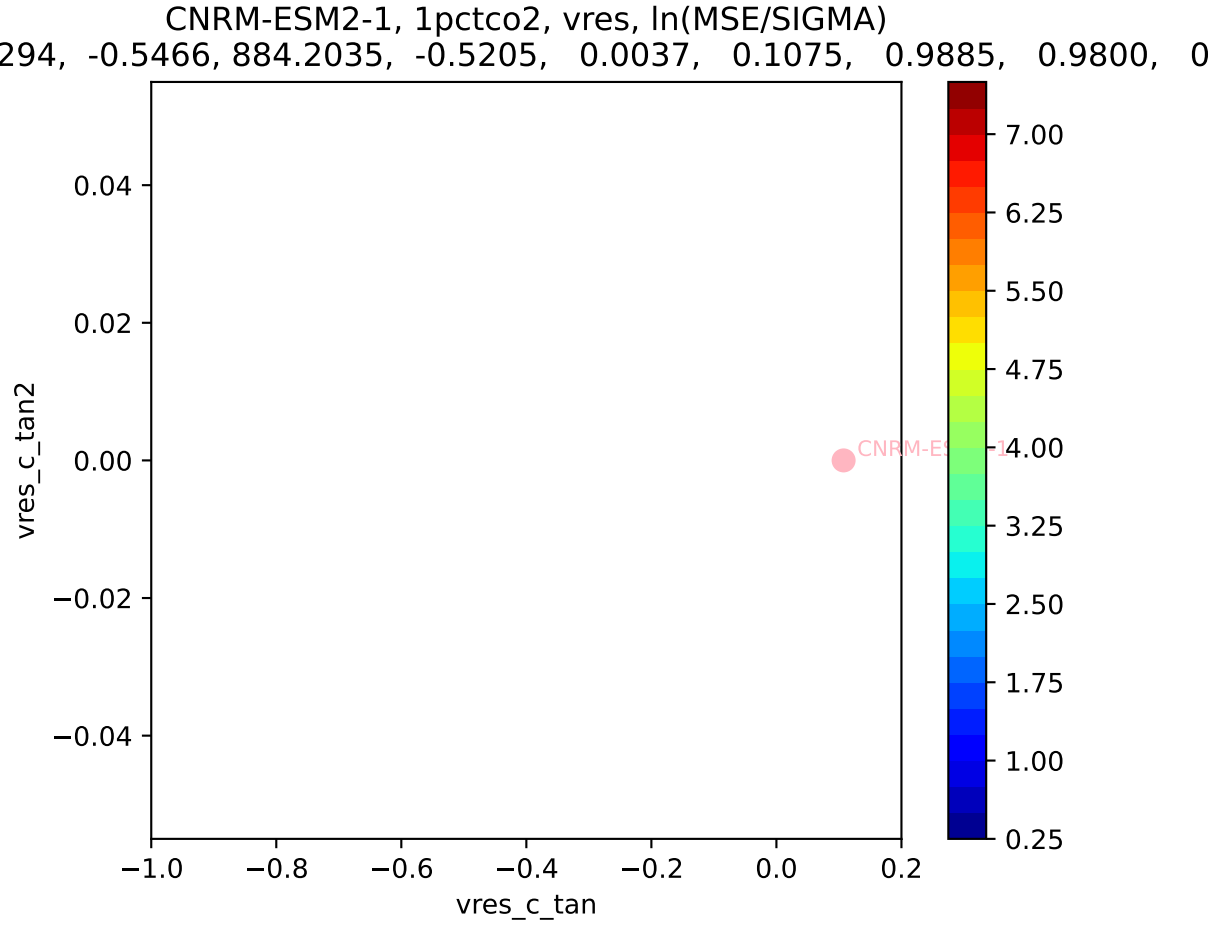

CNRM-ESM2-1, 1pctco2, vres
ESM
Fit
vres
c_atm

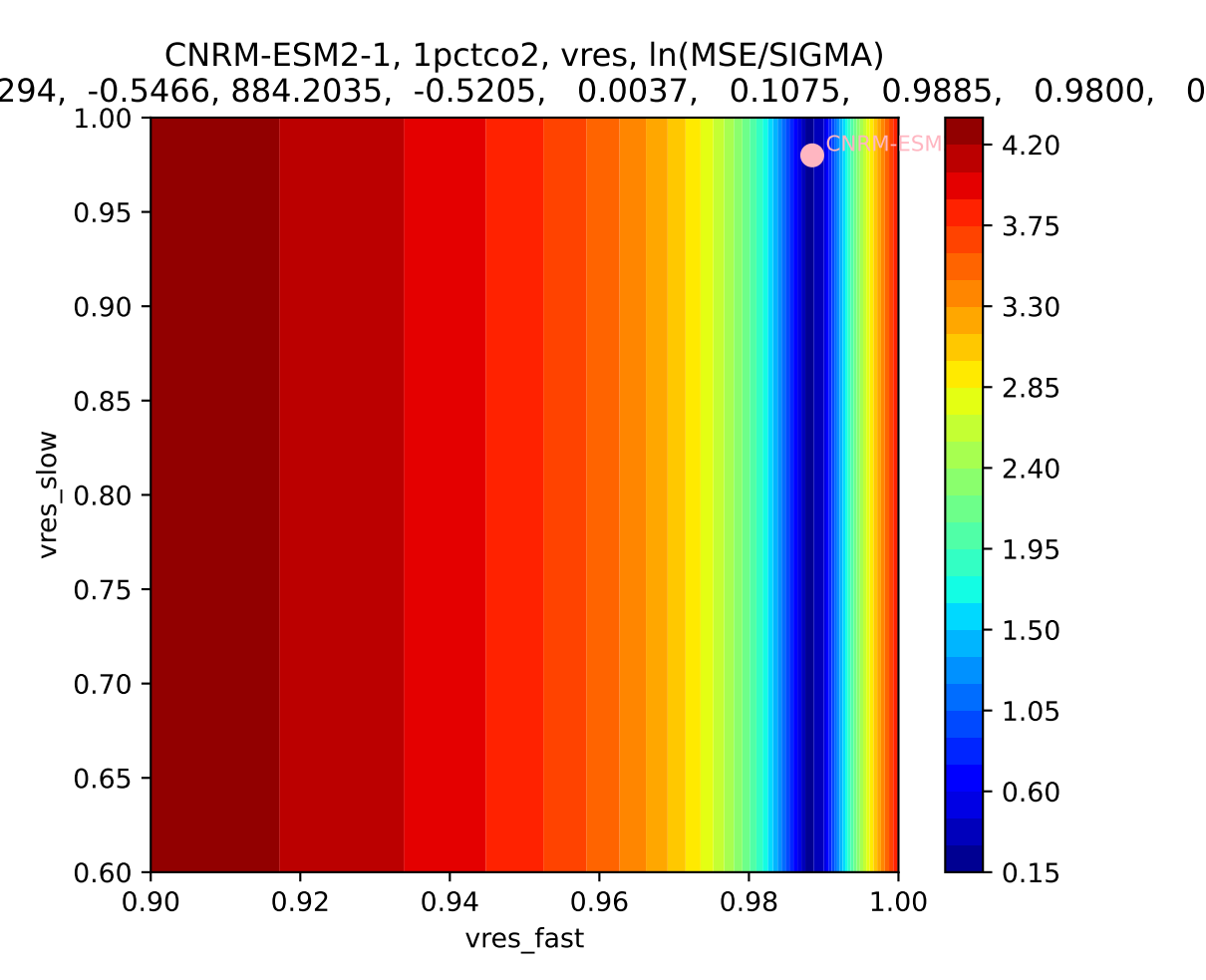

CNRM-ESM2-1, 1pctco2, vres
ESM-Fit
vres, ESM - FIT
c_atm

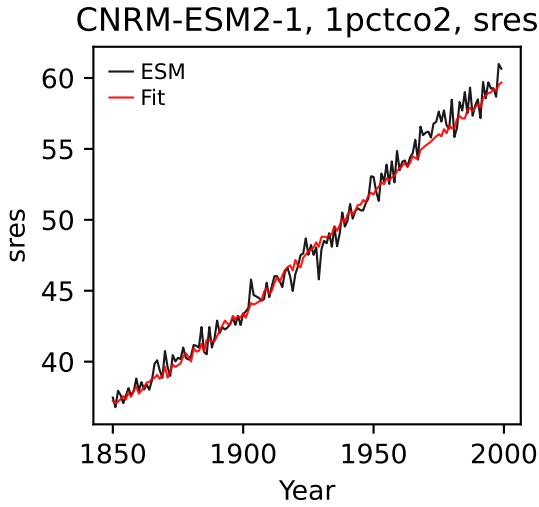

CNRM-ESM2-1, 1pctco2, vres, ln(MSE/SIGMA)
294, -0.5466, 884.2035, -0.5205, 0.0037, 0.1075, 0.9885, 0.9800, 0
CNRM-ESM2-1
vres_t_e
vres_t_l
−3
−2
−1
0
1
2
10.5
9.3
8.1
6.9
5.7
4.5
3.3
2.1
0.9

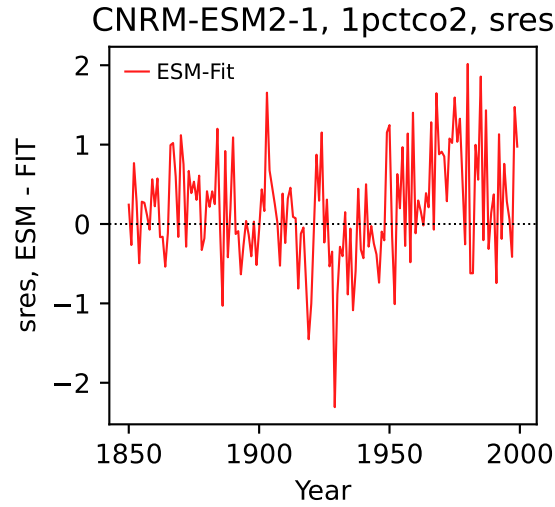

CNRM-ESM2-1, 1pctco2, vres, ln(MSE/SIGMA)
294, -0.5466, 884.2035, -0.5205, 0.0037, 0.1075, 0.9885, 0.9800, 0
vres_c_half
vres_c_l
CNRM-ESM2-1
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

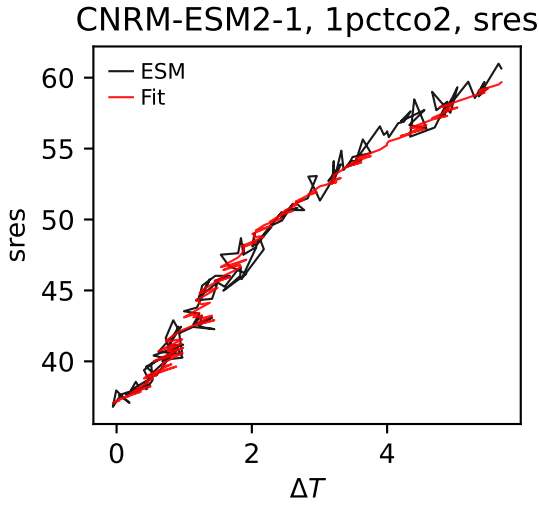

CNRM-ESM2-1, 1pctco2, vres, ln(MSE/SIGMA)
294, -0.5466, 884.2035, -0.5205, 0.0037, 0.1075, 0.9885, 0.9800, 0
CNRM-ESM2-1
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

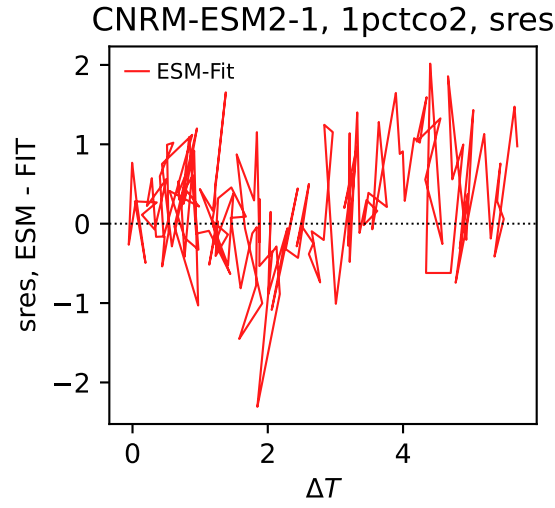

CNRM-ESM2-1, 1pctco2, vres, ln(MSE/SIGMA)
294, -0.5466, 884.2035, -0.5205, 0.0037, 0.1075, 0.9885, 0.9800, 0
0.04
0.02
0.00
−0.02
−0.04
vres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
vres_c_tan
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00
0.25

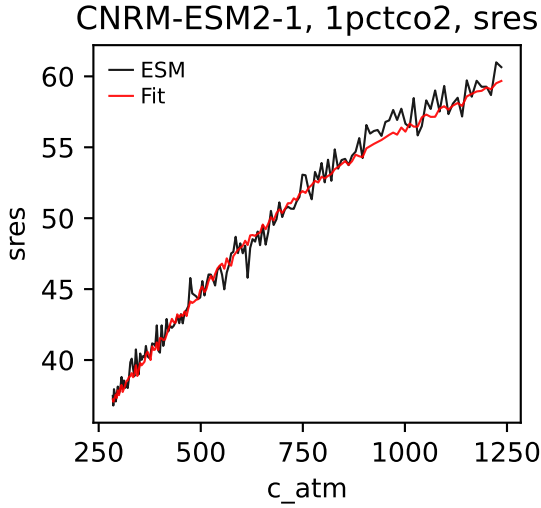

CNRM-ESM2-1, 1pctco2, vres, ln(MSE/SIGMA)
294, -0.5466, 884.2035, -0.5205, 0.0037, 0.1075, 0.9885, 0.9800, 0
CNRM-ESM
vres_slow
vres_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
4.20
3.75
3.30
2.85
2.40
1.95
1.50
1.05
0.60
0.15

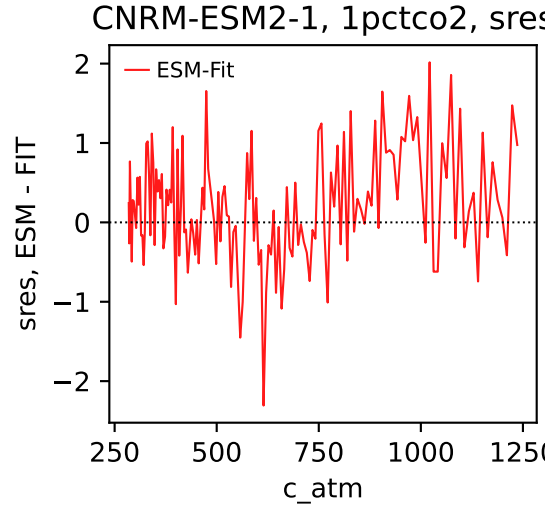

CNRM-ESM2-1, 1pctco2, sres
ESM
Fit
sres
Year

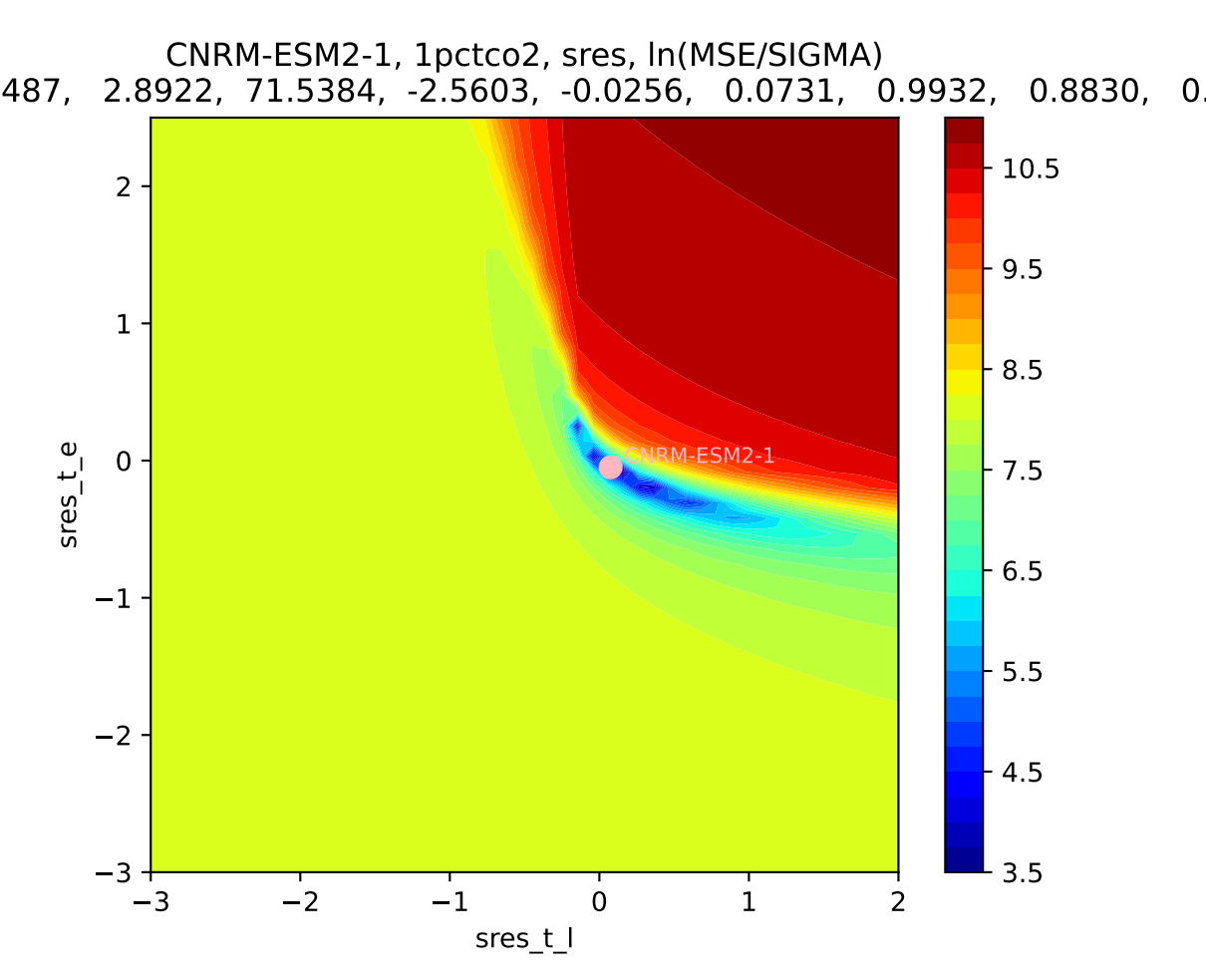

CNRM-ESM2-1, 1pctco2, sres
ESM-Fit
sres, ESM - FIT
Year

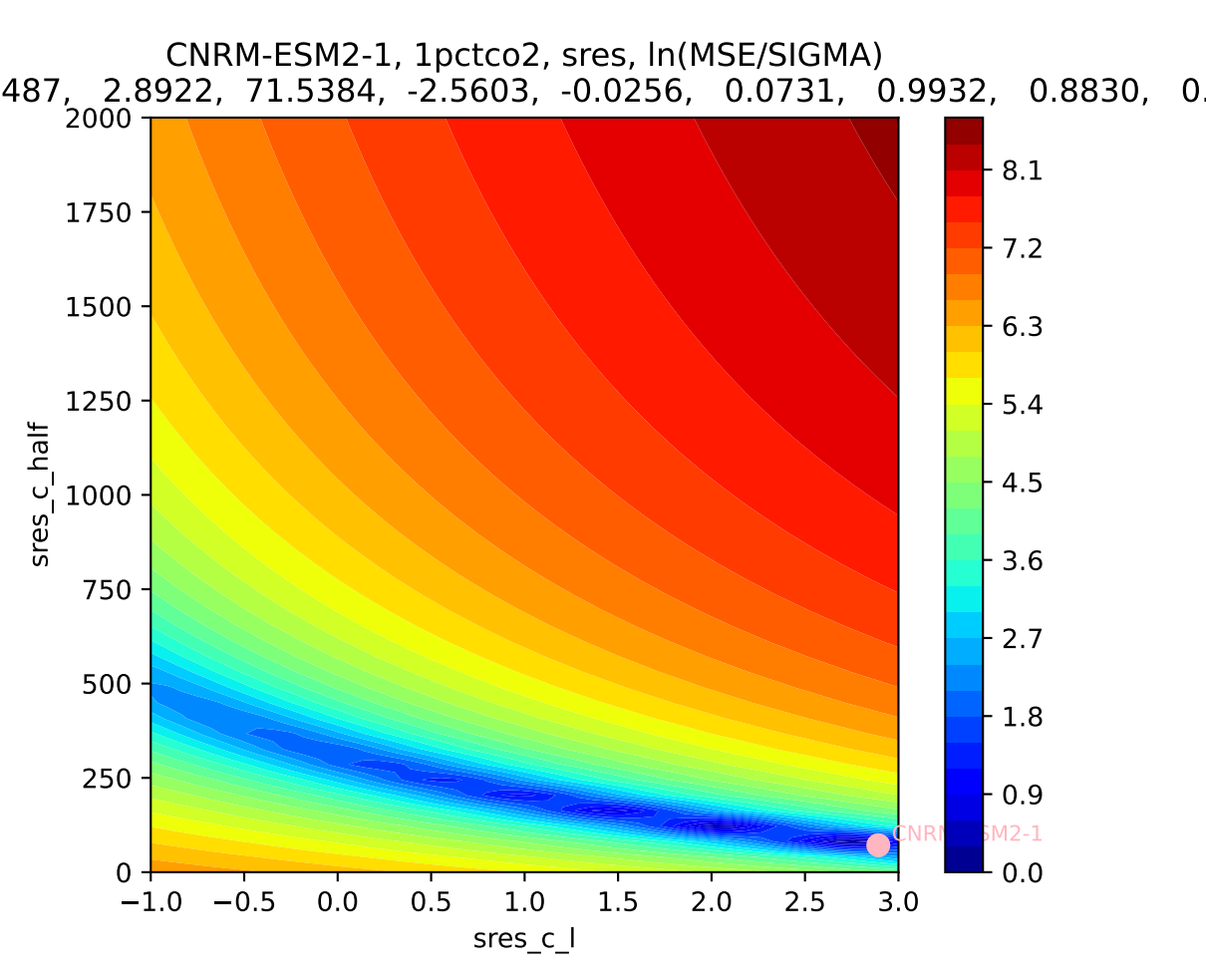

CNRM-ESM2-1, 1pctco2, sres
ESM
Fit
sres
ΔT

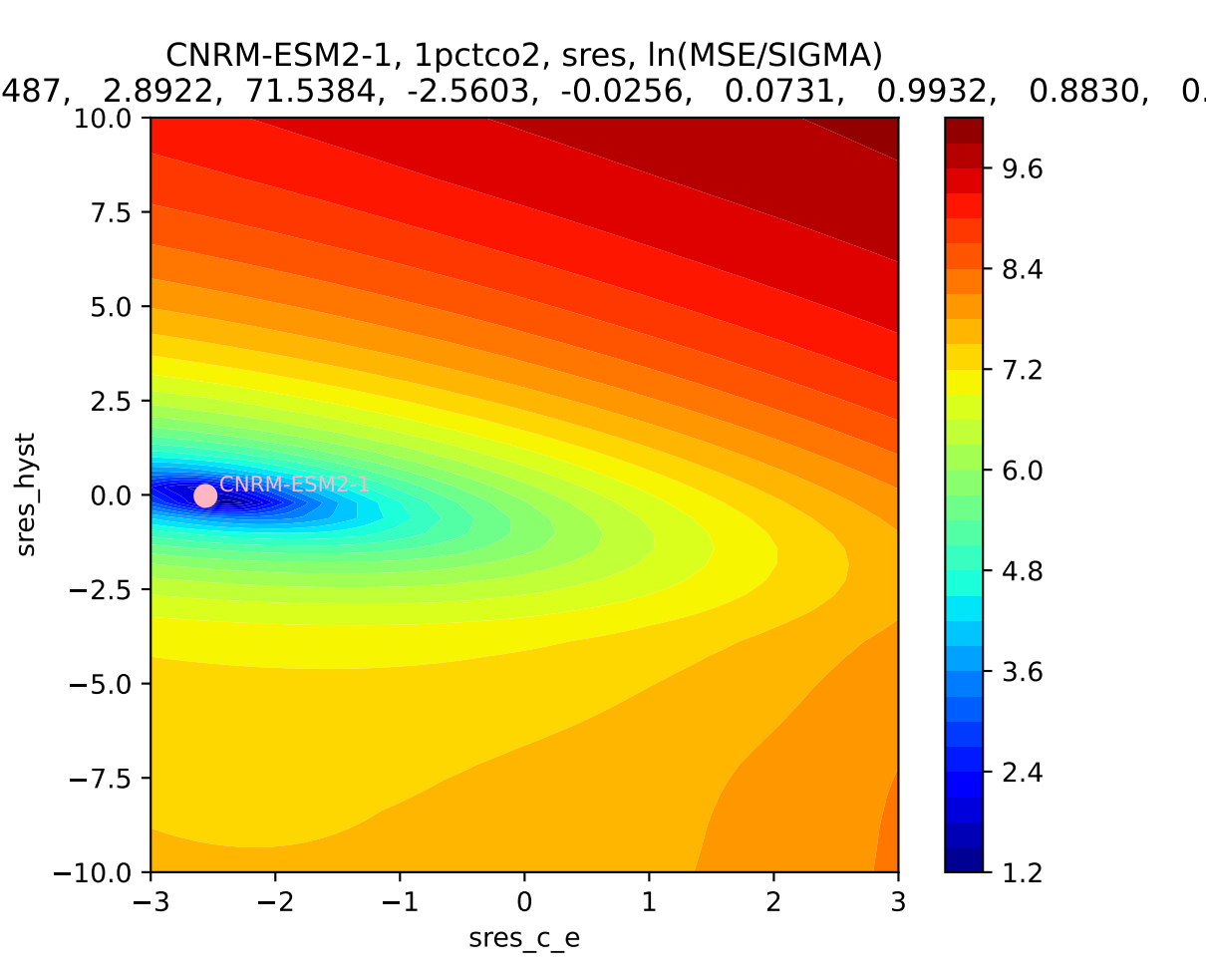

CNRM-ESM2-1, 1pctco2, sres
ESM-Fit
sres, ESM - FIT
ΔT

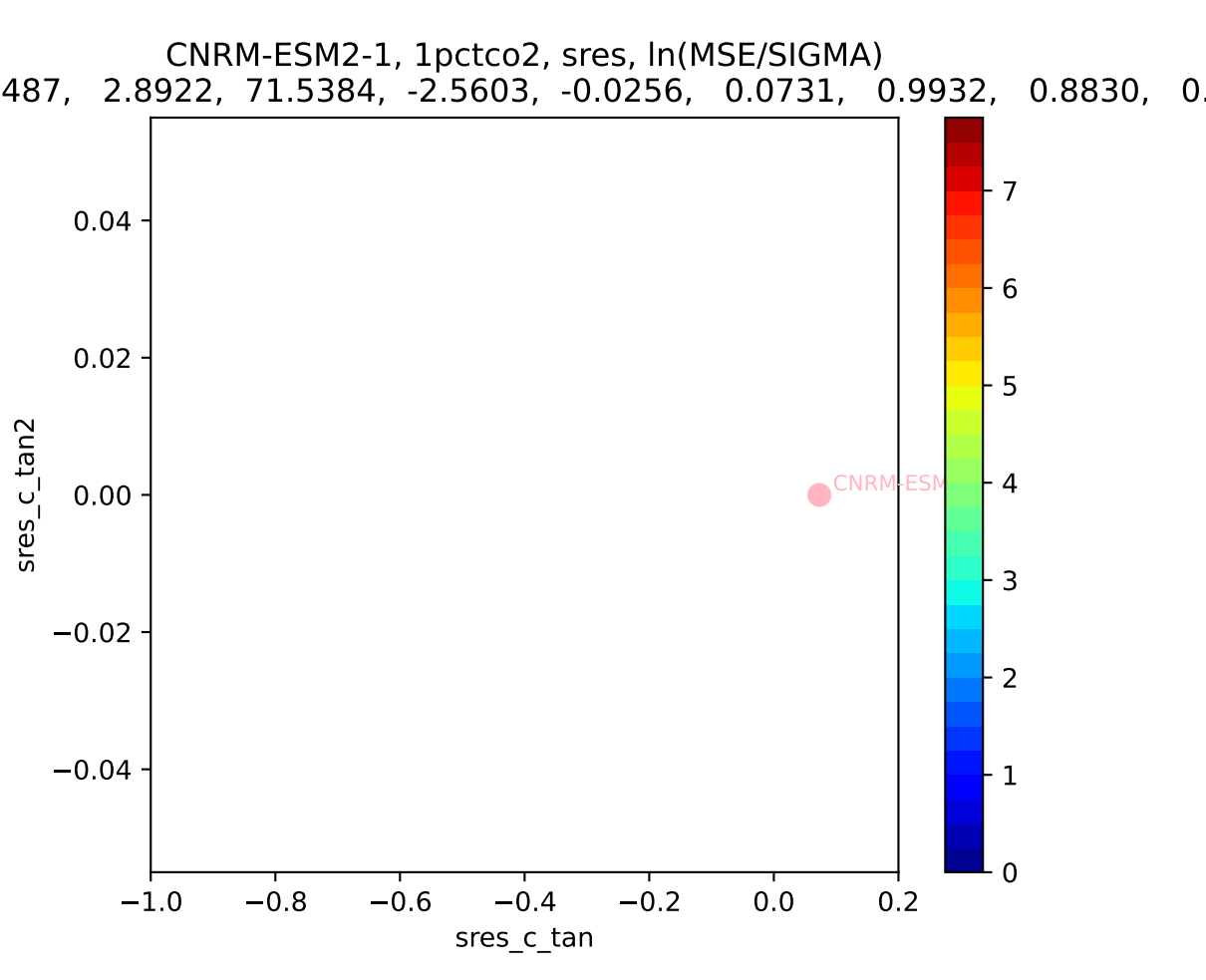

CNRM-ESM2-1, 1pctco2, sres
ESM
Fit
sres
c_atm

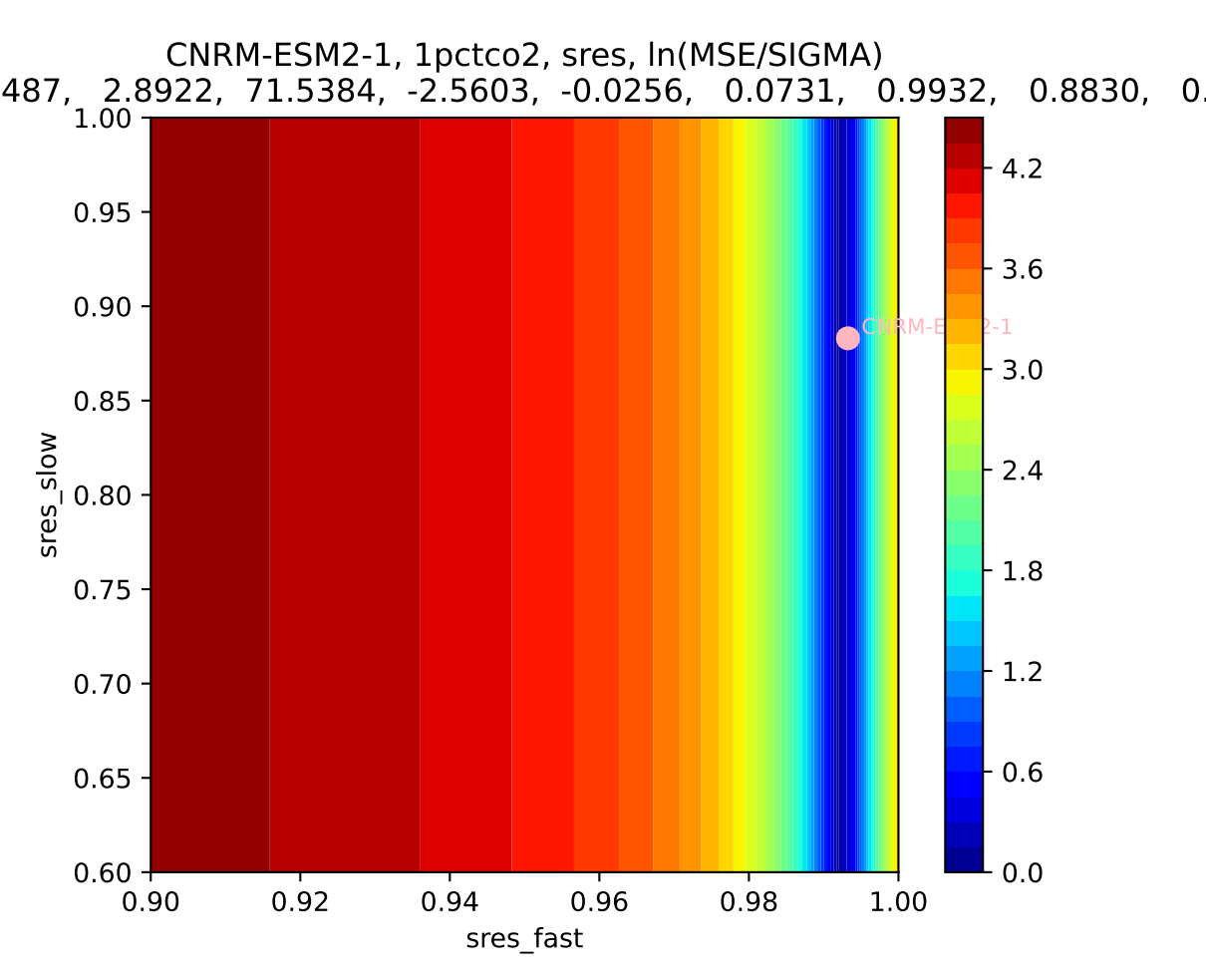

CNRM-ESM2-1, 1pctco2, sres
ESM-Fit
sres, ESM - FIT
c_atm

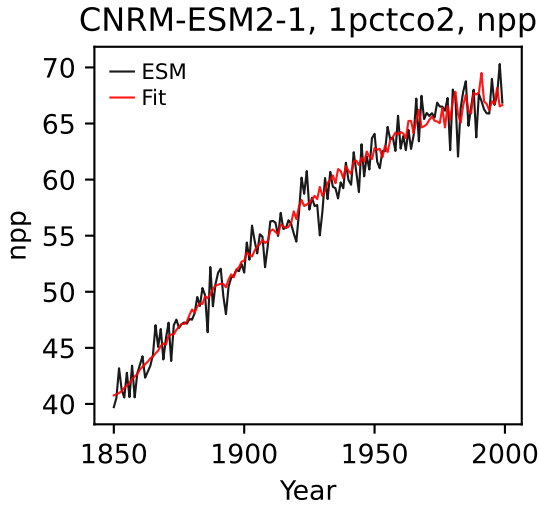

CNRM-ESM2-1, 1pctco2, sres, ln(MSE/SIGMA)
487, 2.8922, 71.5384, -2.5603, -0.0256, 0.0731, 0.9932, 0.8830, 0.
CNRM-ESM2-1
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
10.5
9.5
8.5
7.5
6.5
5.5
4.5
3.5

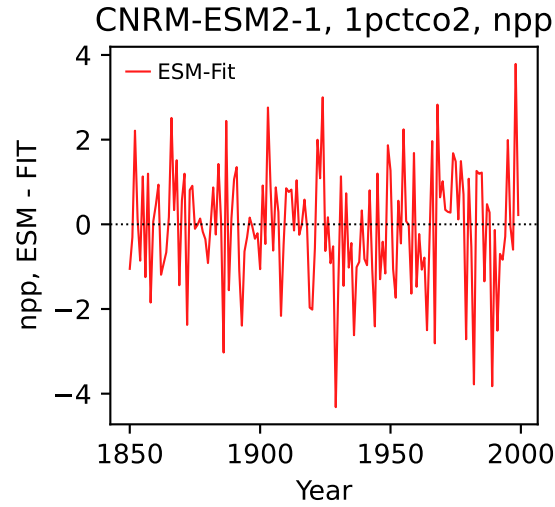

CNRM-ESM2-1, 1pctco2, sres, ln(MSE/SIGMA)
487, 2.8922, 71.5384, -2.5603, -0.0256, 0.0731, 0.9932, 0.8830, 0.
sres_c_half
sres_c_l
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
8.1
7.2
6.3
5.4
4.5
3.6
2.7
1.8
0.9
0.0

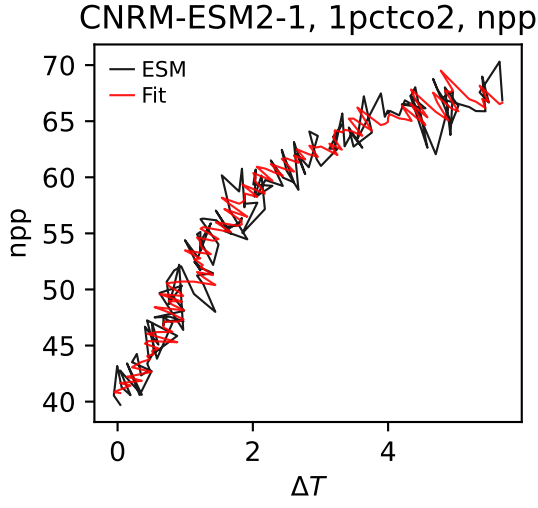

CNRM-ESM2-1, 1pctco2, sres, ln(MSE/SIGMA)
487, 2.8922, 71.5384, -2.5603, -0.0256, 0.0731, 0.9932, 0.8830, 0.
CNRM-ESM2-1
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

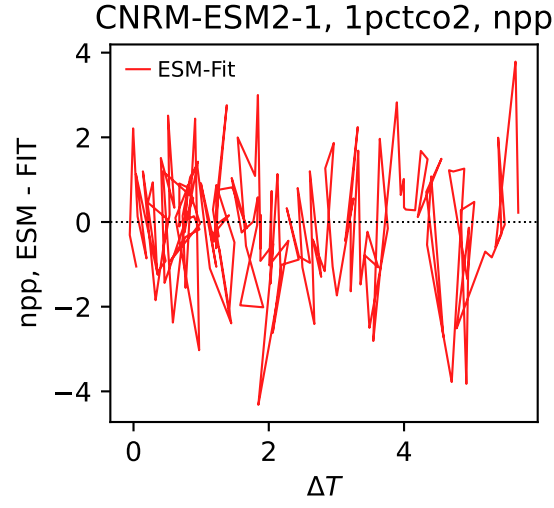

CNRM-ESM2-1, 1pctco2, sres, ln(MSE/SIGMA)
487, 2.8922, 71.5384, -2.5603, -0.0256, 0.0731, 0.9932, 0.8830, 0.
0.04
0.02
0.00
−0.02
−0.04
sres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
sres_c_tan
CNRM-ESM
7
6
5
4
3
2
1
0

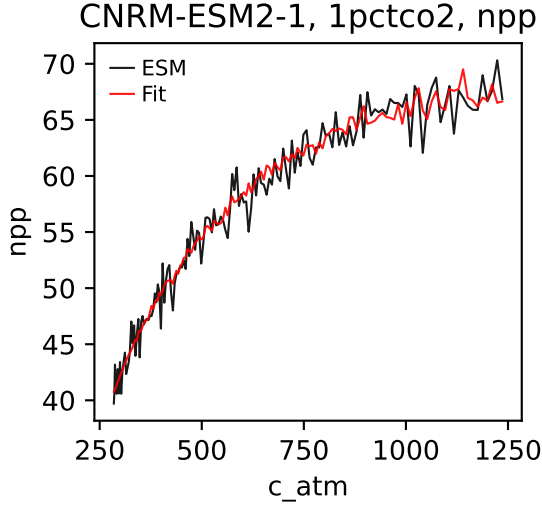

CNRM-ESM2-1, 1pctco2, sres, ln(MSE/SIGMA)
487, 2.8922, 71.5384, -2.5603, -0.0256, 0.0731, 0.9932, 0.8830, 0.
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
0.90
0.92
0.94
0.96
0.98
1.00
sres_fast
4.2
3.6
3.0
2.4
1.8
1.2
0.6
0.0

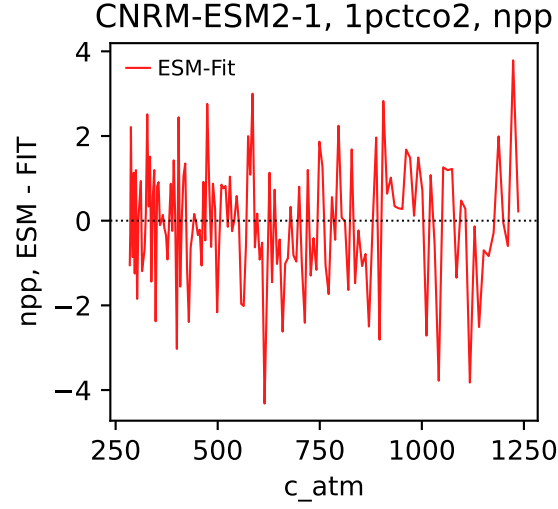

CNRM-ESM2-1, 1pctco2, npp
ESM
Fit
npp
Year

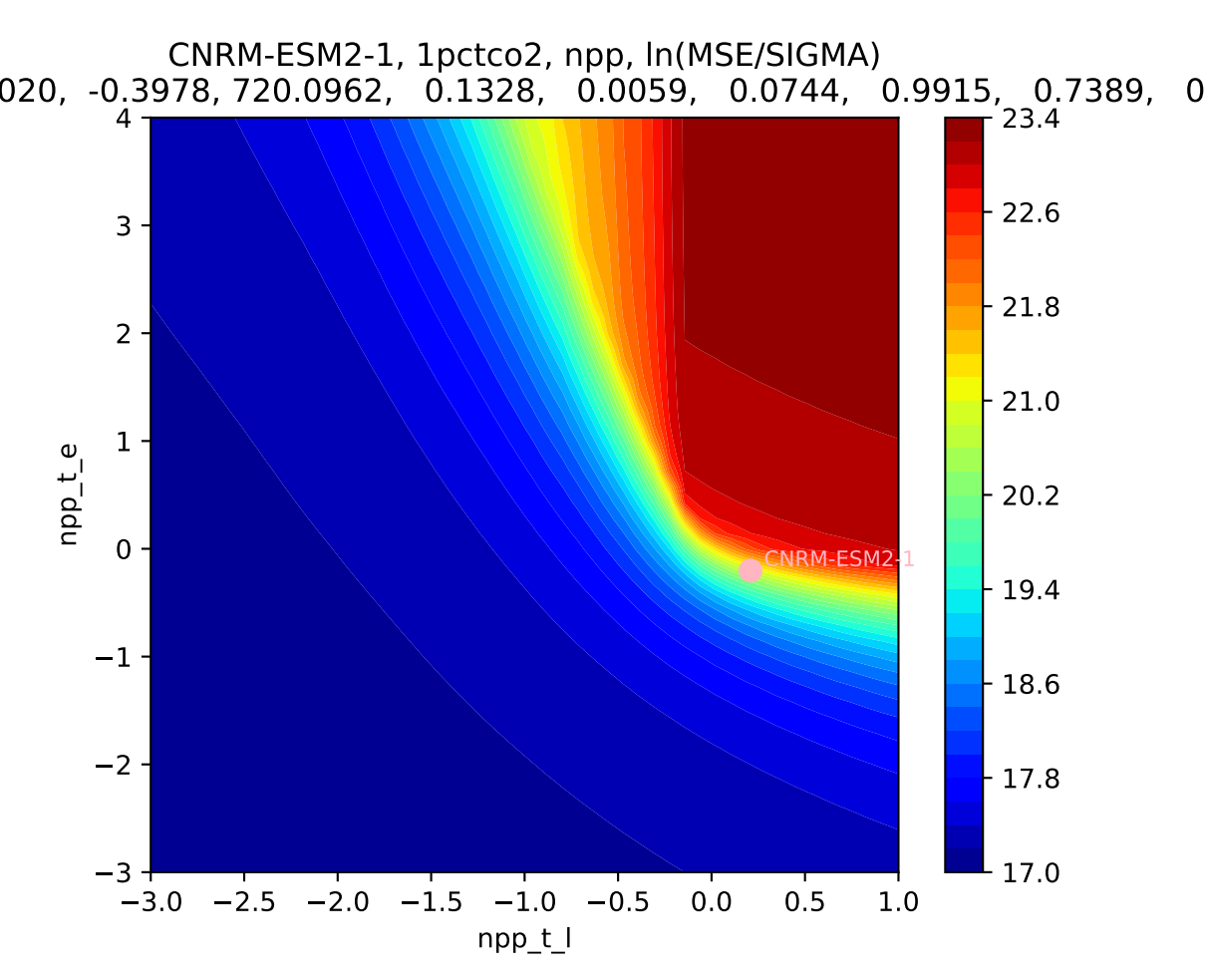

CNRM-ESM2-1, 1pctco2, npp
ESM-Fit
npp, ESM - FIT
Year

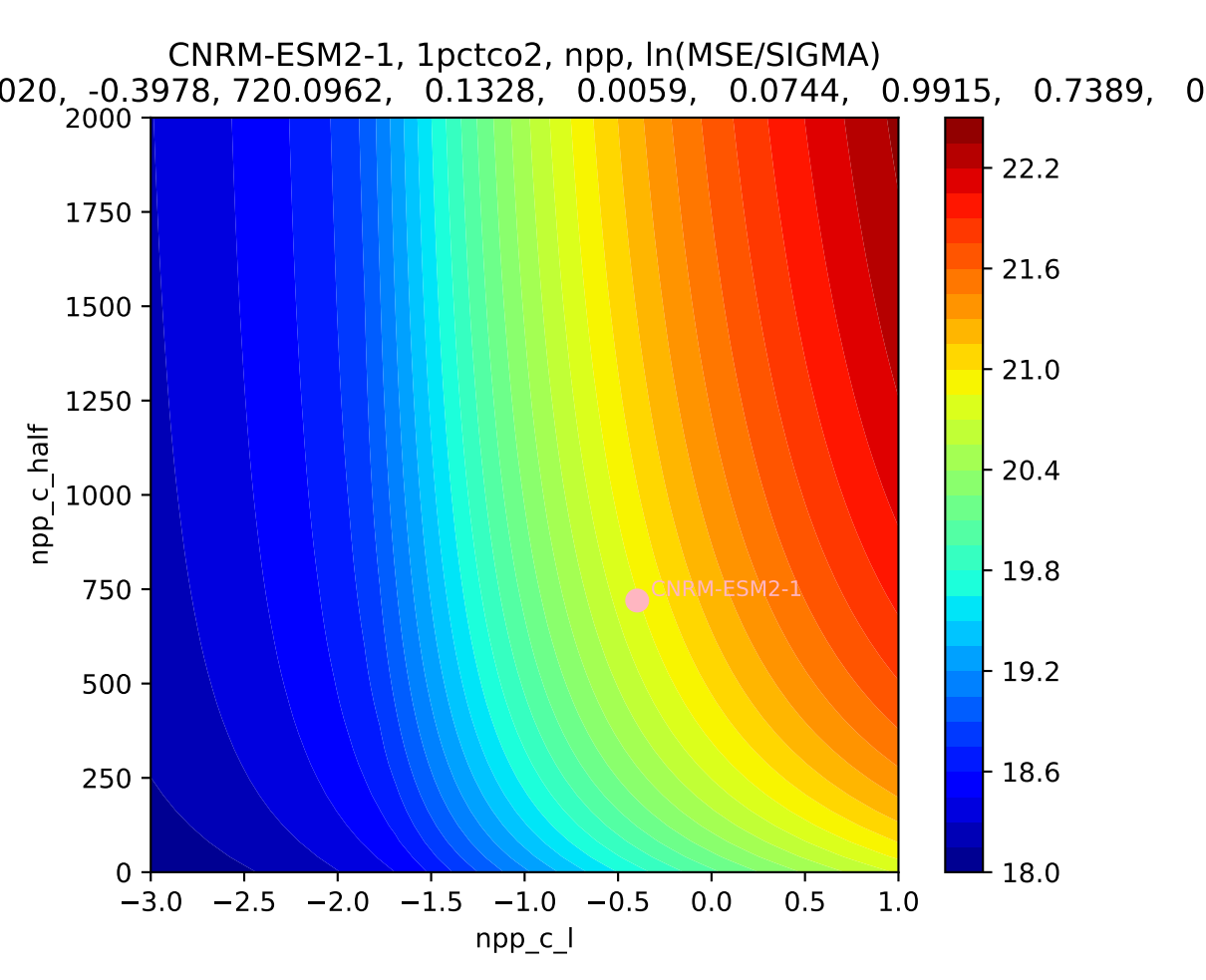

CNRM-ESM2-1, 1pctco2, npp
ESM
Fit
npp
ΔT

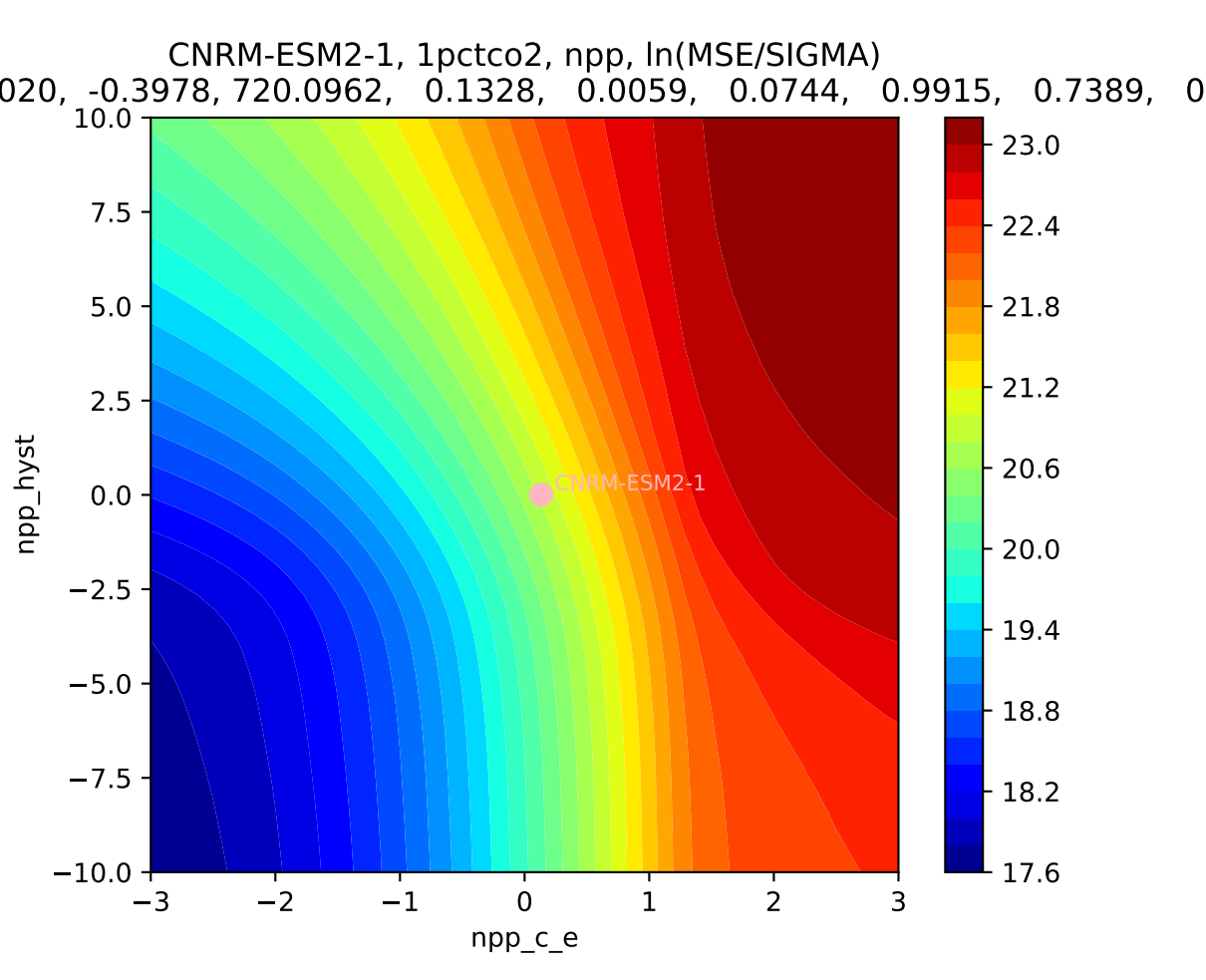

CNRM-ESM2-1, 1pctco2, npp
ESM-Fit
npp, ESM - FIT
ΔT

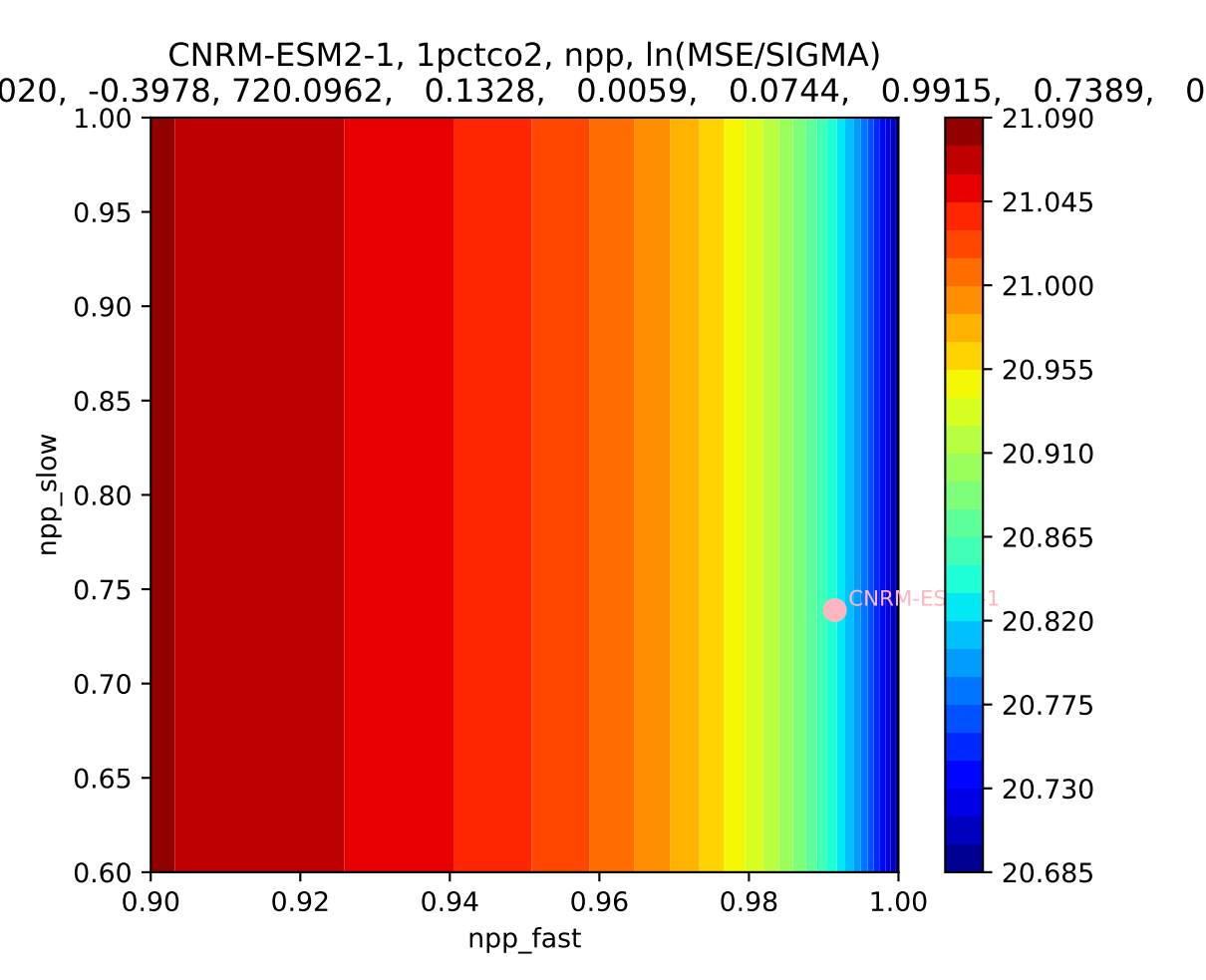

CNRM-ESM2-1, 1pctco2, npp
ESM
Fit
npp
c_atm

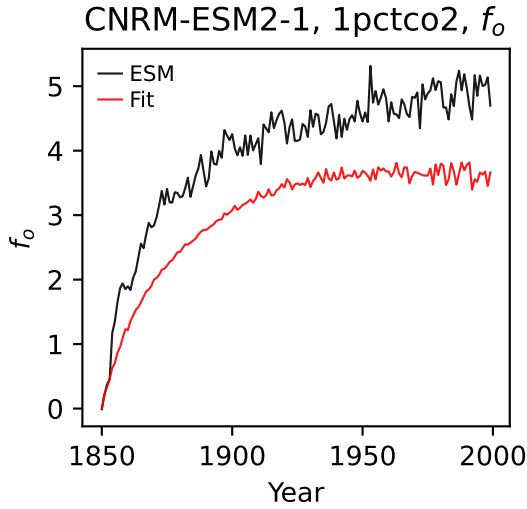

CNRM-ESM2-1, 1pctco2, npp
ESM-Fit
npp, ESM - FIT
c_atm

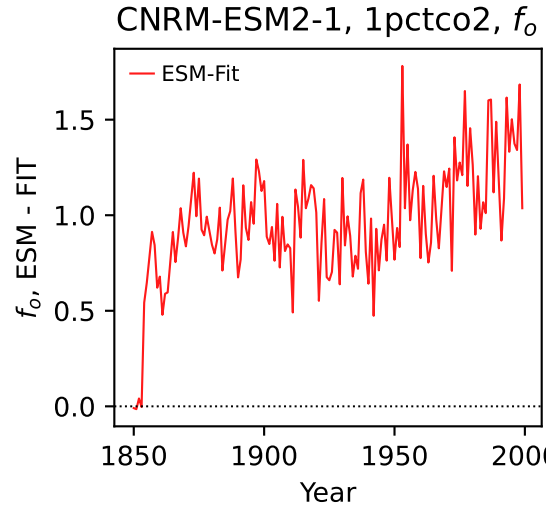

CNRM-ESM2-1, 1pctco2, npp, ln(MSE/SIGMA)
020, -0.3978, 720.0962, 0.1328, 0.0059, 0.0744, 0.9915, 0.7389, 0
CNRM-ESM2-1
npp_t_e
npp_t_l
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
23.4
22.6
21.8
21.0
20.2
19.4
18.6
17.8
17.0

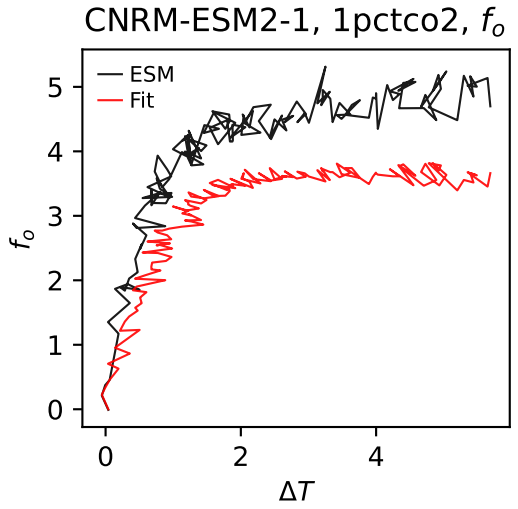

CNRM-ESM2-1, 1pctco2, npp, ln(MSE/SIGMA)
020, -0.3978, 720.0962, 0.1328, 0.0059, 0.0744, 0.9915, 0.7389, 0
2000
1750
1500
1250
1000
750
500
250
0
npp_c_half
CNRM-ESM2-1
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
npp_c_l
22.2
21.6
21.0
20.4
19.8
19.2
18.6
18.0

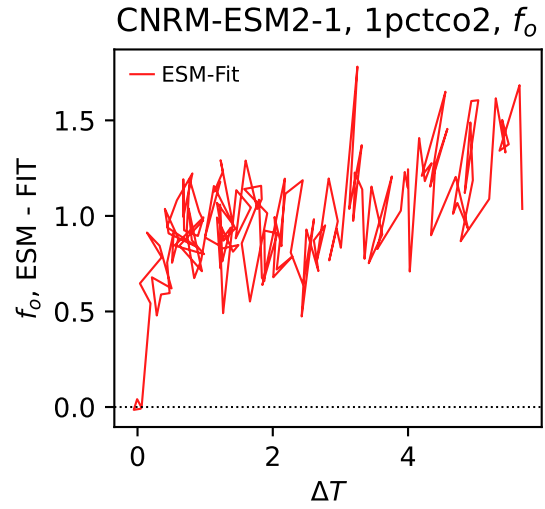

CNRM-ESM2-1, 1pctco2, npp, ln(MSE/SIGMA)
020, -0.3978, 720.0962, 0.1328, 0.0059, 0.0744, 0.9915, 0.7389, 0
CNRM-ESM2-1
npp_hyst
npp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
23.0
22.4
21.8
21.2
20.6
20.0
19.4
18.8
18.2
17.6

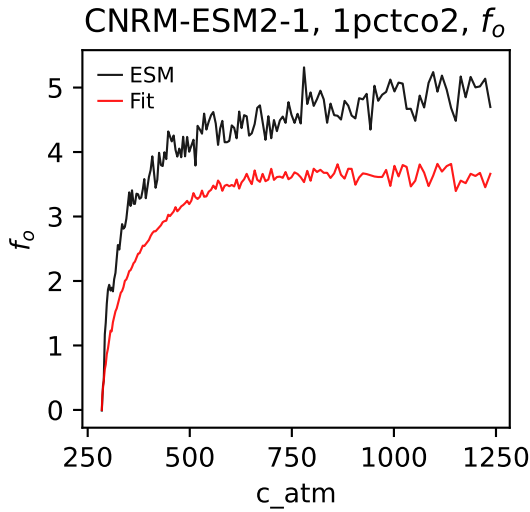

CNRM-ESM2-1, 1pctco2, npp, ln(MSE/SIGMA)
020, -0.3978, 720.0962, 0.1328, 0.0059, 0.0744, 0.9915, 0.7389, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
0.90
0.92
0.94
0.96
0.98
1.00
npp_fast
21.090
21.045
21.000
20.955
20.910
20.865
20.820
20.775
20.730
20.685

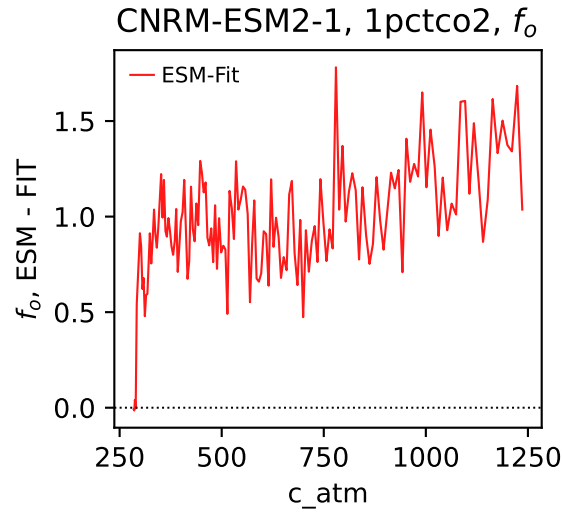

CNRM-ESM2-1, 1pctco2, f_o
ESM
Fit
f_o
Year

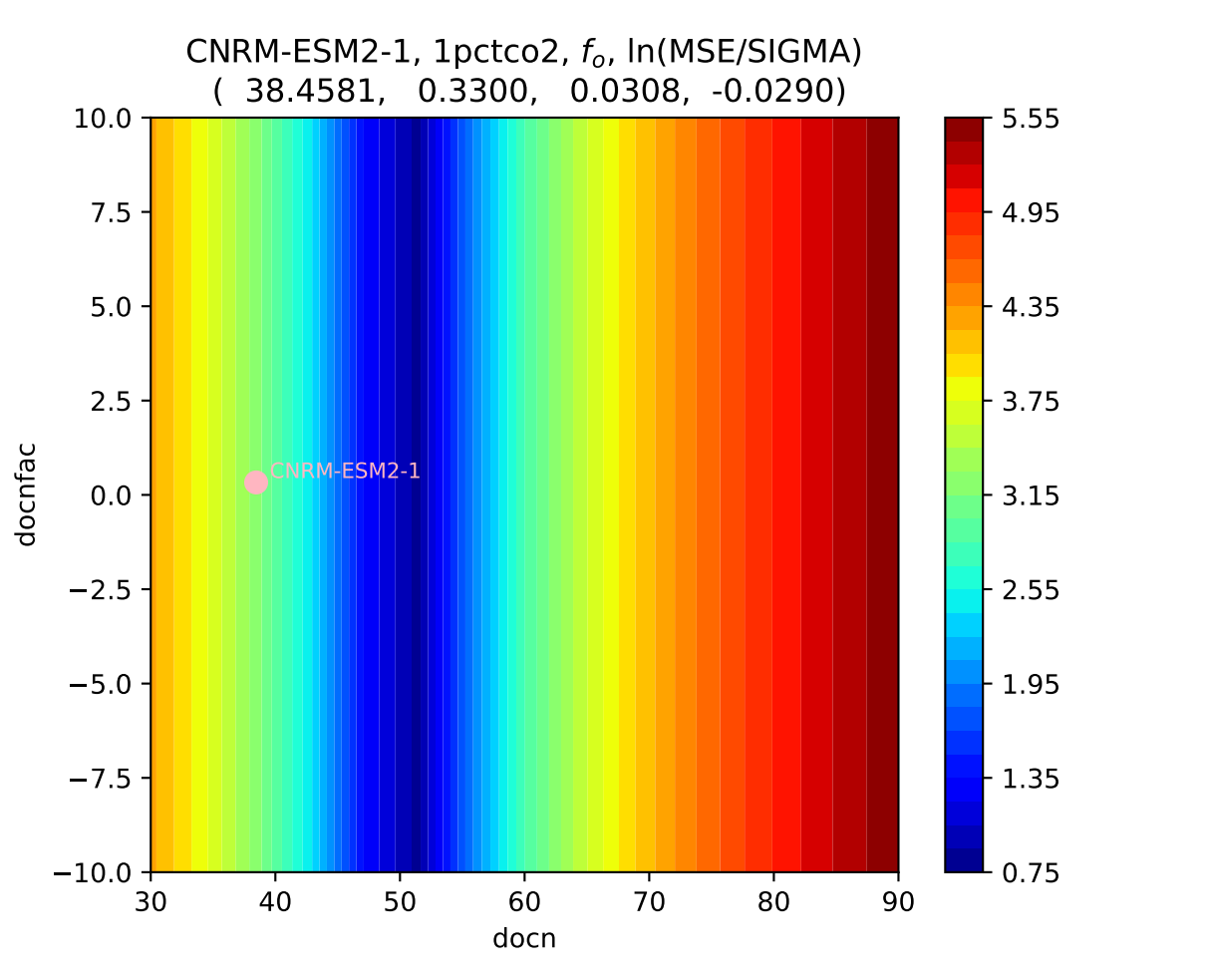

CNRM-ESM2-1, 1pctco2, f_o
ESM-Fit
f_o, ESM - FIT
Year

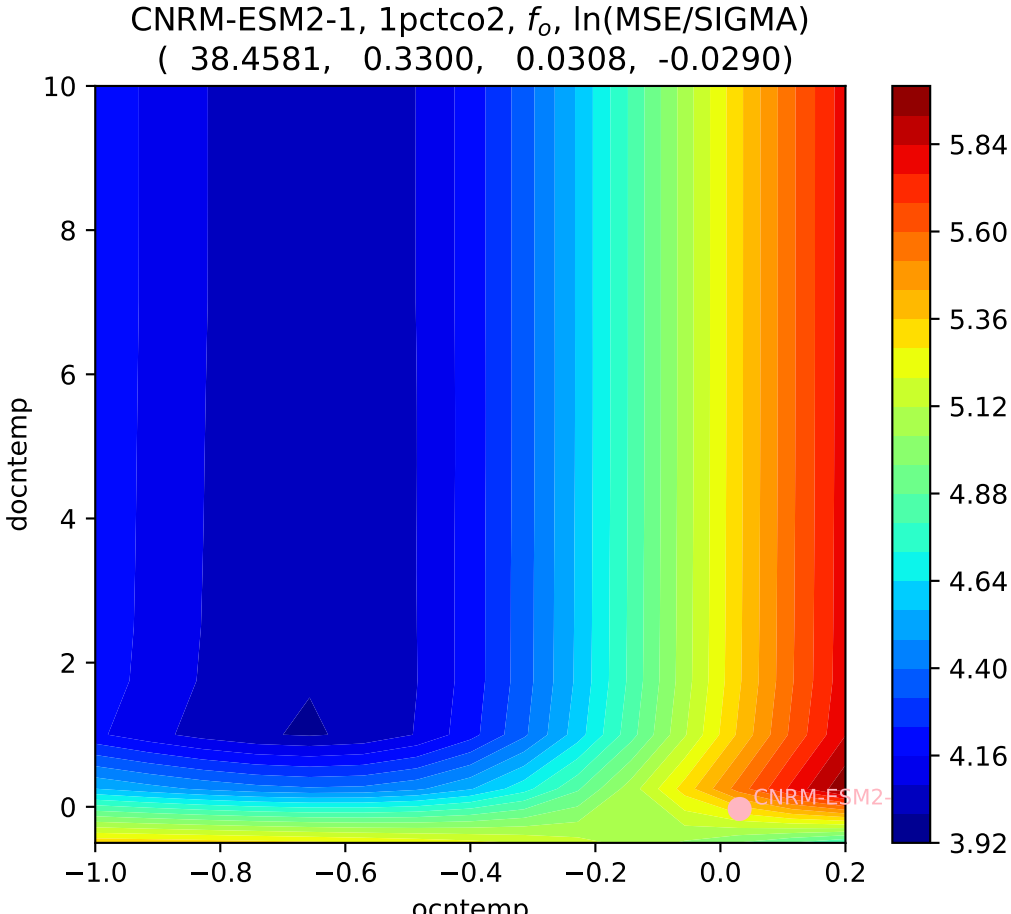

CNRM-ESM2-1, 1pctco2, f_o
ESM
Fit
f_o
ΔT


CNRM-ESM2-1, 1pctco2, f_o
ESM-Fit
f_o, ESM - FIT
ΔT


CNRM-ESM2-1, 1pctco2, f_o
ESM
Fit
f_o
c_atm


CNRM-ESM2-1, 1pctco2, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


CNRM-ESM2-1, 1pctco2, 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
5.55
4.95
4.35
3.75
3.15
2.55
1.95
1.35
0.75


CNRM-ESM2-1, 1pctco2, f_o, ln(MSE/SIGMA)
(38.4581, 0.3300, 0.0308, -0.0290)
10
8
6
4
2
0
docntemp
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
ocntemp
5.84
5.60
5.36
5.12
4.88
4.64
4.40
4.16
3.92
CNRM-ESM2-