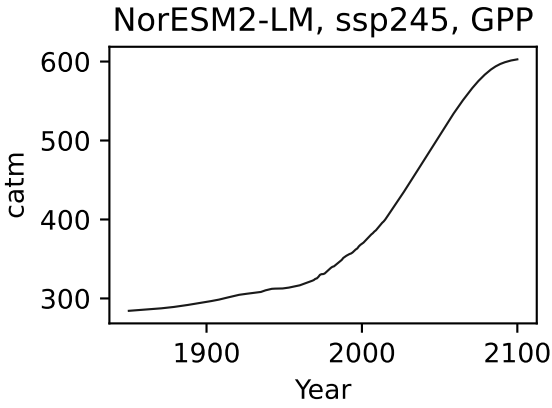
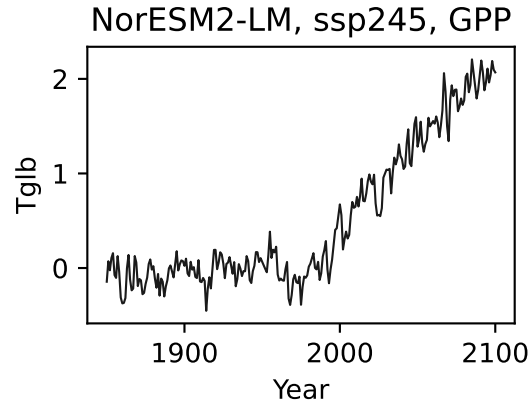
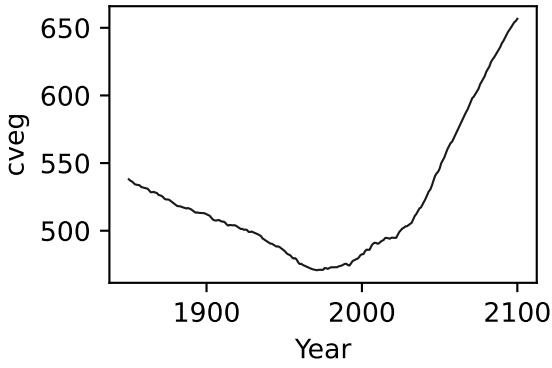
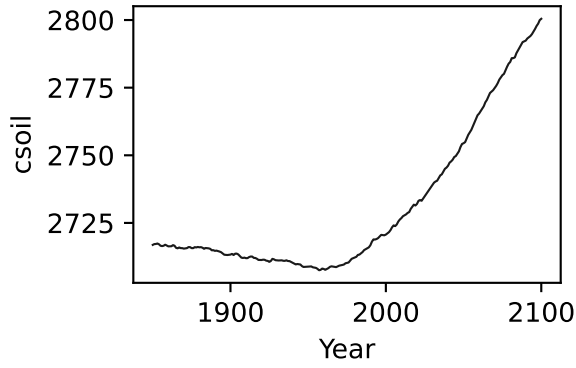
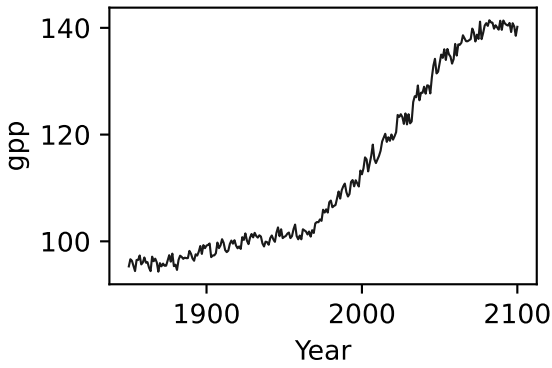
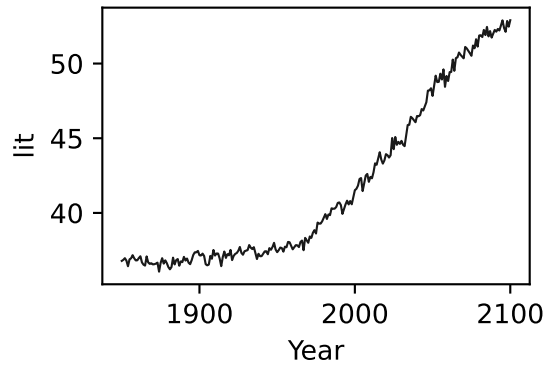

NorESM2-LM, ssp245, GPP
catm
600
500
400
300
1900
2000
2100
Year

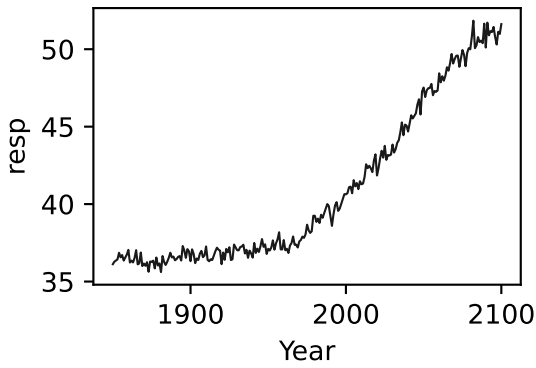

NorESM2-LM, ssp245, GPP
Tglb
2
1
0
1900
2000
2100
Year

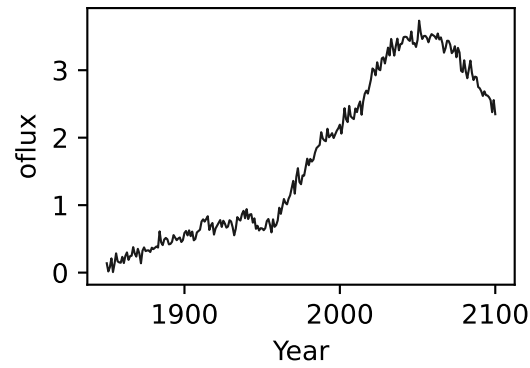

cveg
650
600
550
500
1900
2000
2100
Year

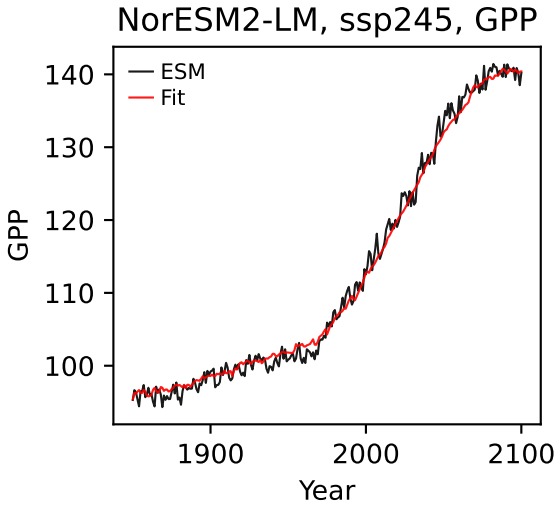

csoil
2800
2775
2750
2725
1900
2000
2100
Year

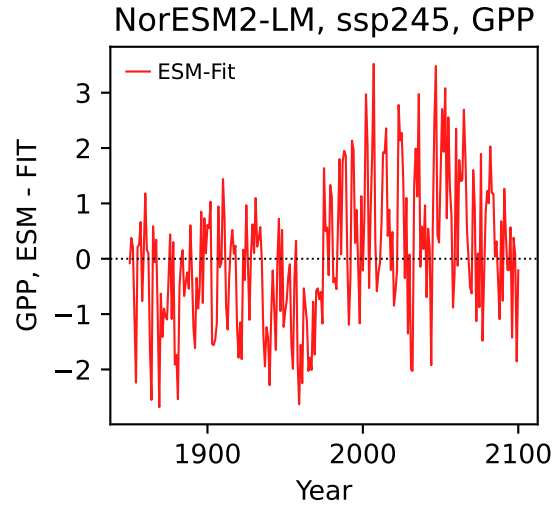

gpp
140
120
100
1900
2000
2100
Year

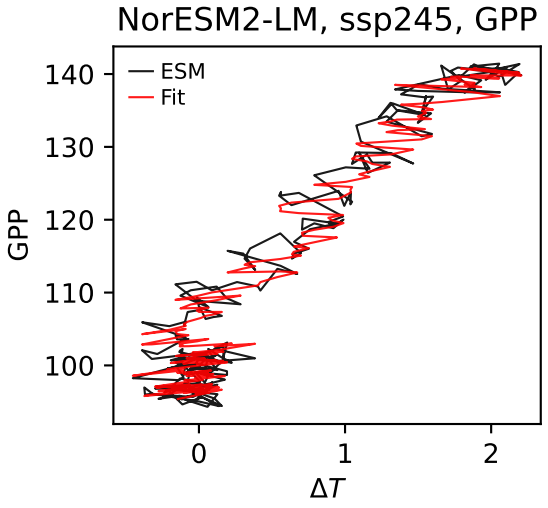

lit
50
45
40
1900
2000
2100
Year

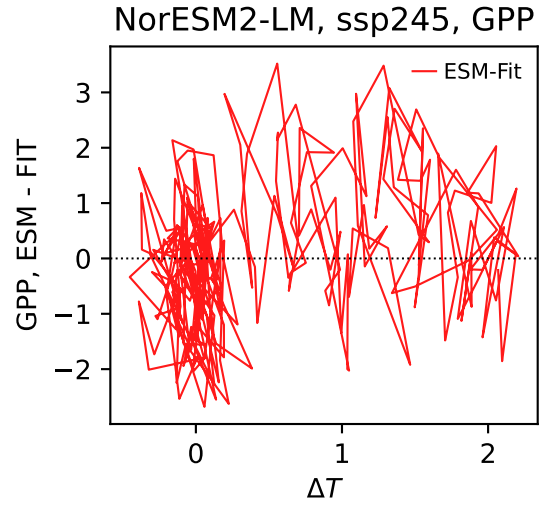

resp
50
45
40
35
1900
2000
2100
Year

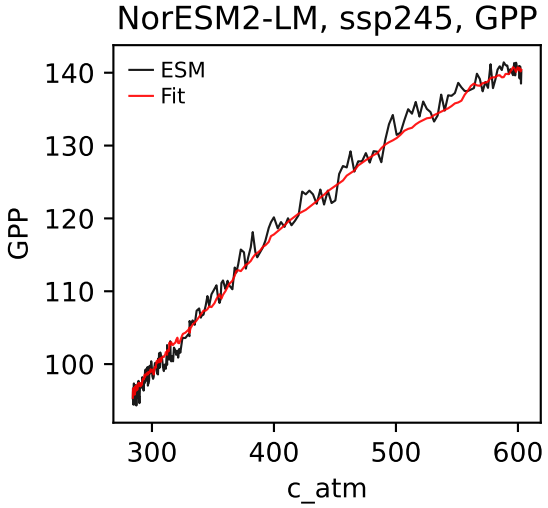

oflux
3
2
1
0
1900
2000
2100
Year

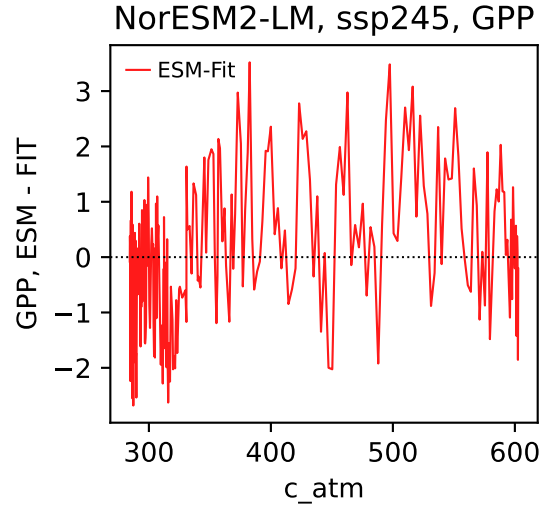

NorESM2-LM, ssp245, GPP
ESM
Fit
GPP
Year

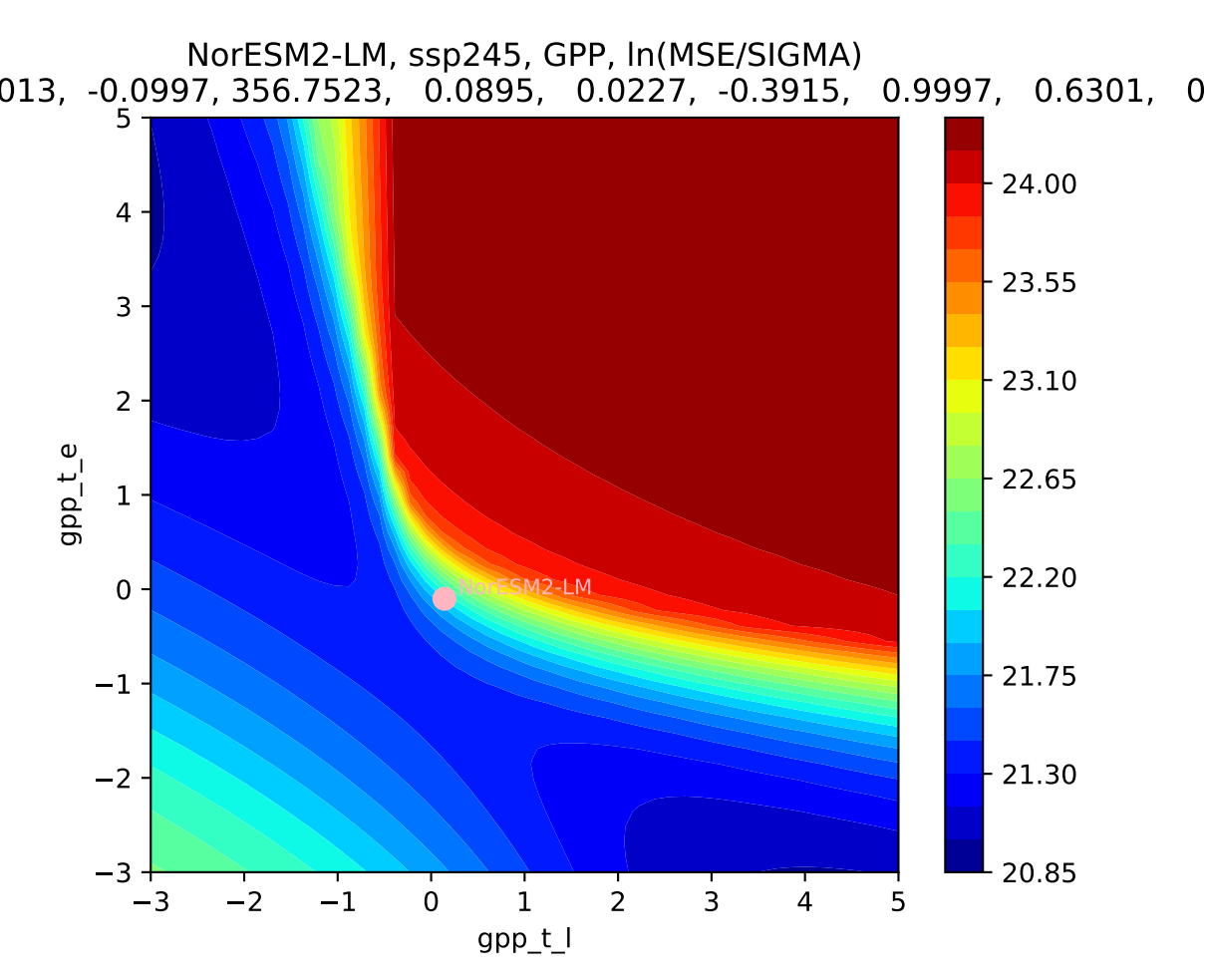

NorESM2-LM, ssp245, GPP
ESM-Fit
GPP, ESM - FIT
Year

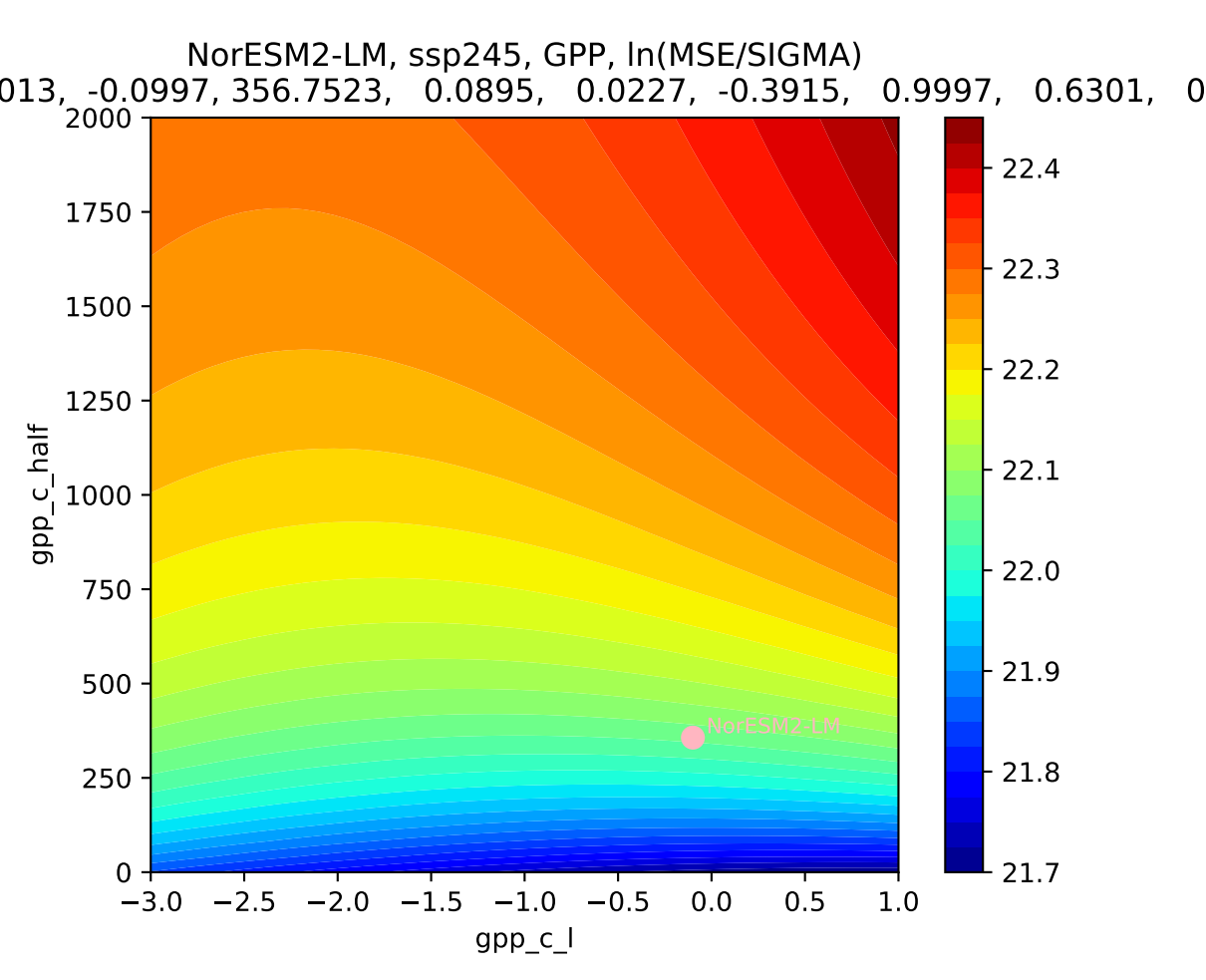

NorESM2-LM, ssp245, GPP
ESM
Fit
GPP
ΔT

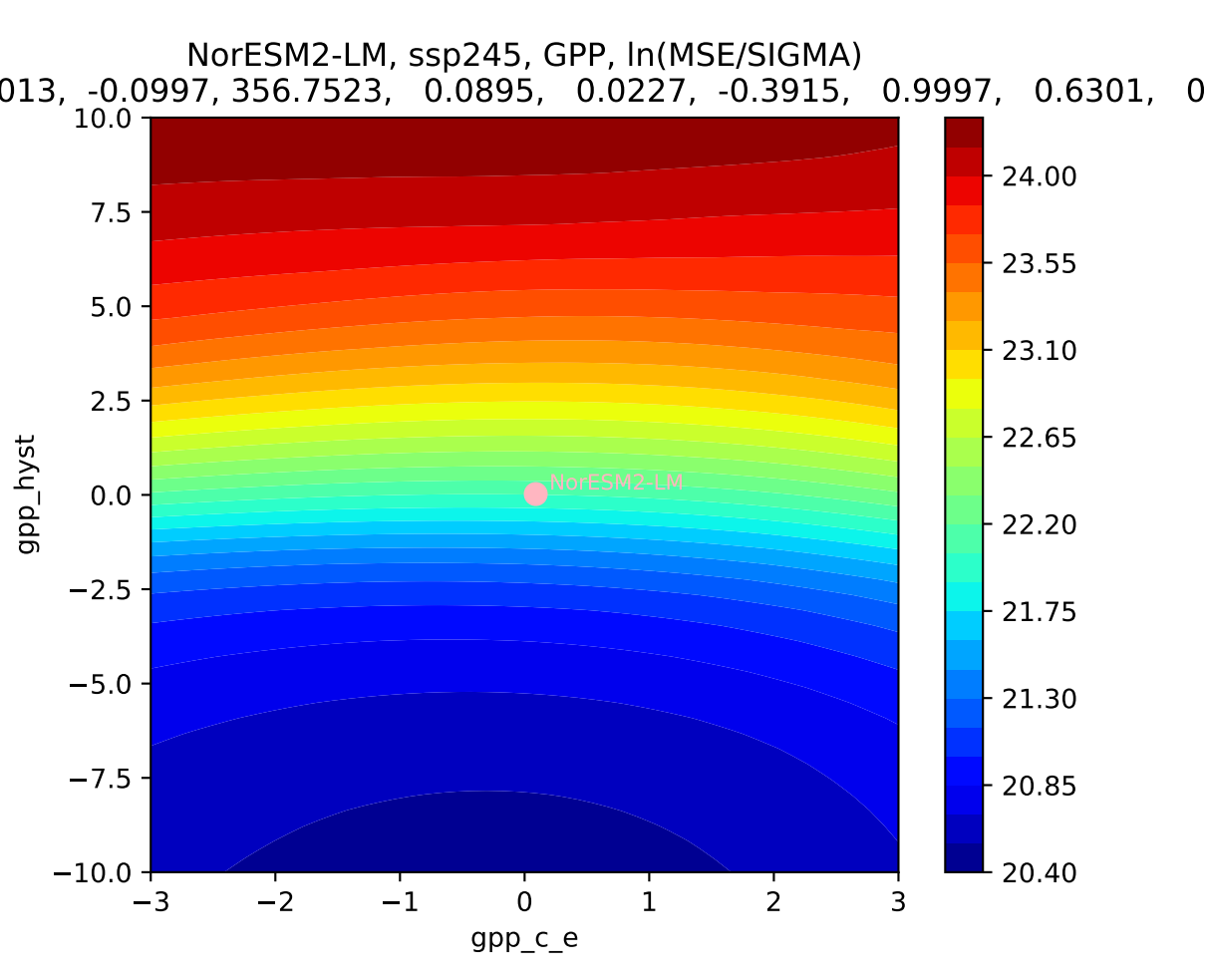

NorESM2-LM, ssp245, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

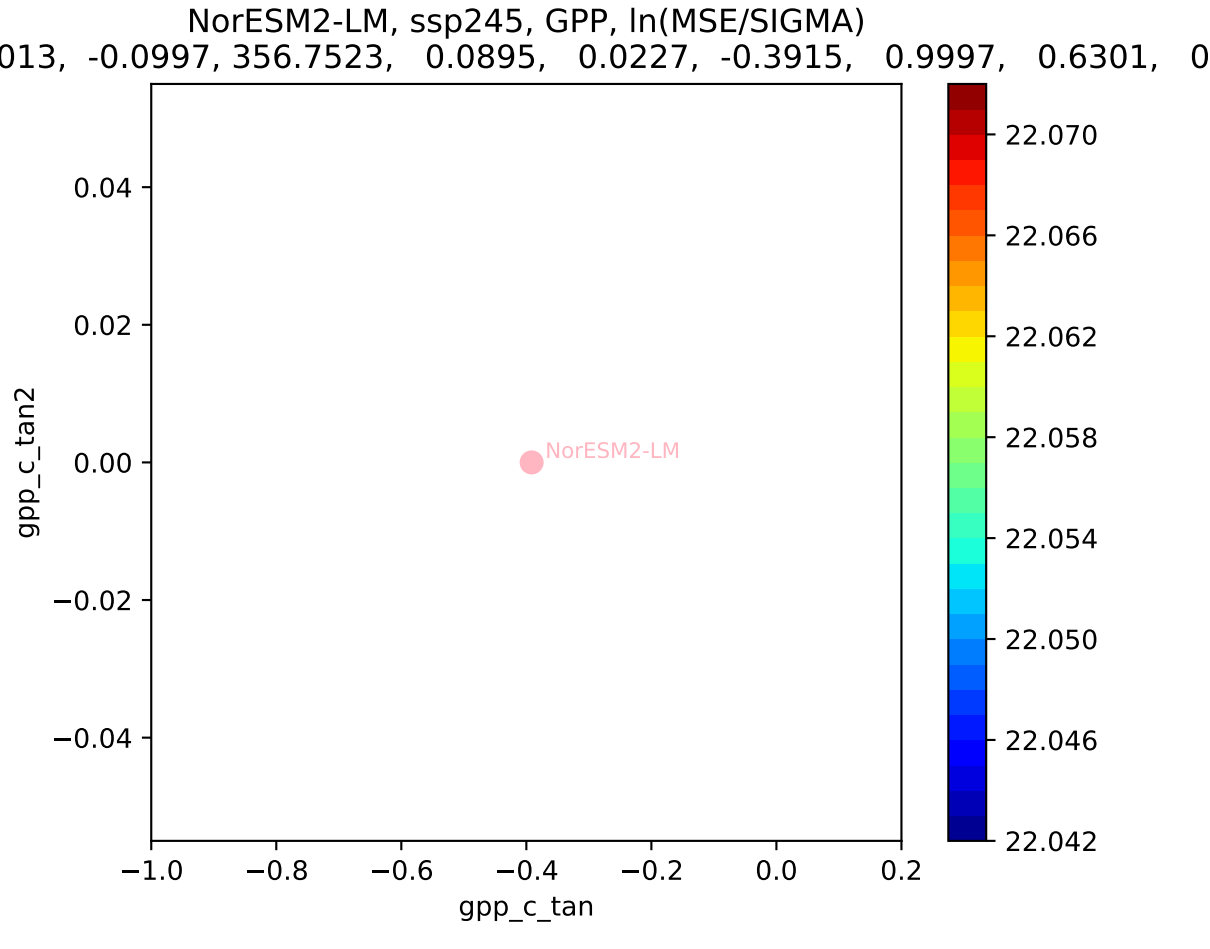

NorESM2-LM, ssp245, GPP
ESM
Fit
GPP
c_atm

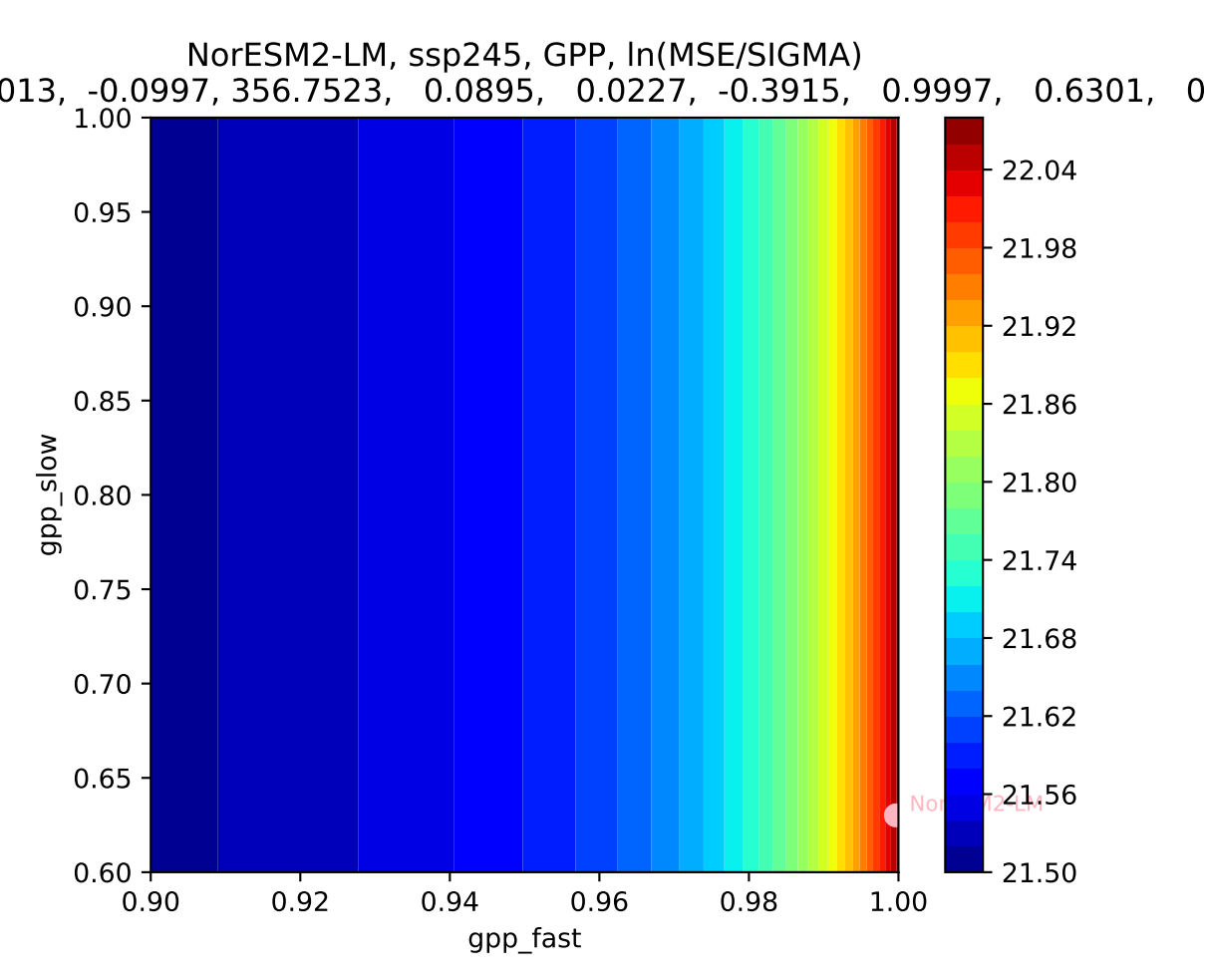

NorESM2-LM, ssp245, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

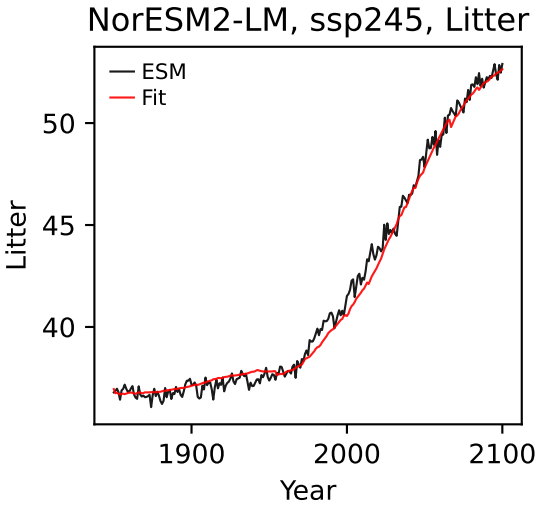

NorESM2-LM, ssp245, GPP, ln(MSE/SIGMA)
013, -0.0997, 356.7523, 0.0895, 0.0227, -0.3915, 0.9997, 0.6301, 0
NorESM2-LM
gpp_t_e
gpp_t_l
24.00
23.55
23.10
22.65
22.20
21.75
21.30
20.85

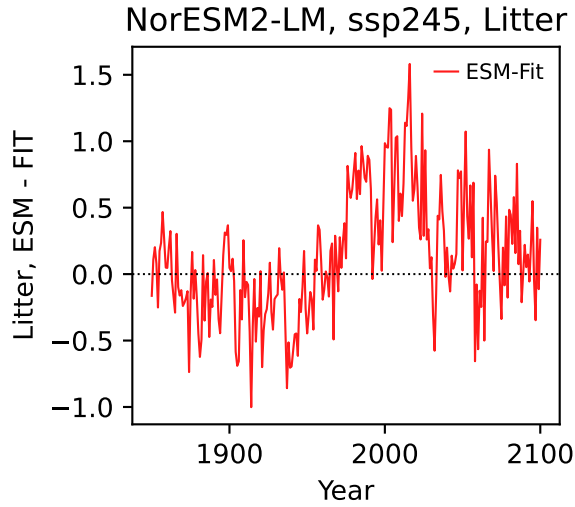

NorESM2-LM, ssp245, GPP, ln(MSE/SIGMA)
013, -0.0997, 356.7523, 0.0895, 0.0227, -0.3915, 0.9997, 0.6301, 0
gpp_c_half
gpp_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
22.4
22.3
22.2
22.1
22.0
21.9
21.8
21.7

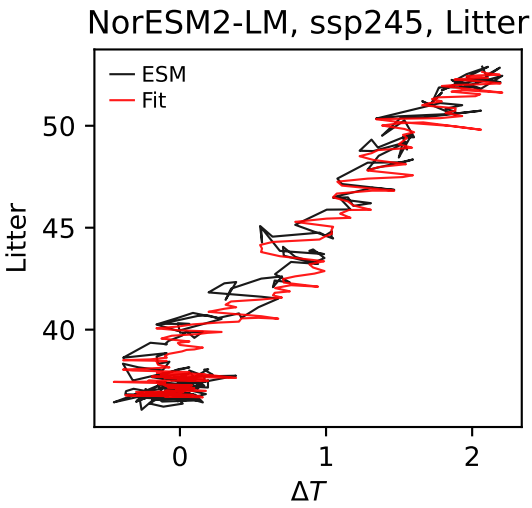

NorESM2-LM, ssp245, GPP, ln(MSE/SIGMA)
013, -0.0997, 356.7523, 0.0895, 0.0227, -0.3915, 0.9997, 0.6301, 0
NorESM2-LM
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
24.00
23.55
23.10
22.65
22.20
21.75
21.30
20.85
20.40

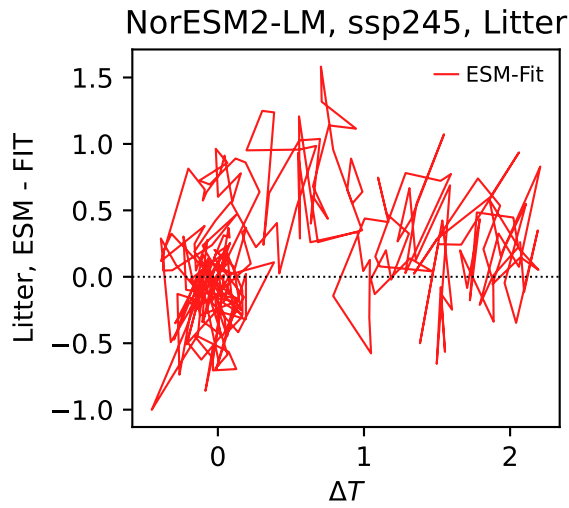

NorESM2-LM, ssp245, GPP, ln(MSE/SIGMA)
013, -0.0997, 356.7523, 0.0895, 0.0227, -0.3915, 0.9997, 0.6301, 0
NorESM2-LM
gpp_c_tan2
gpp_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
22.070
22.066
22.062
22.058
22.054
22.050
22.046
22.042

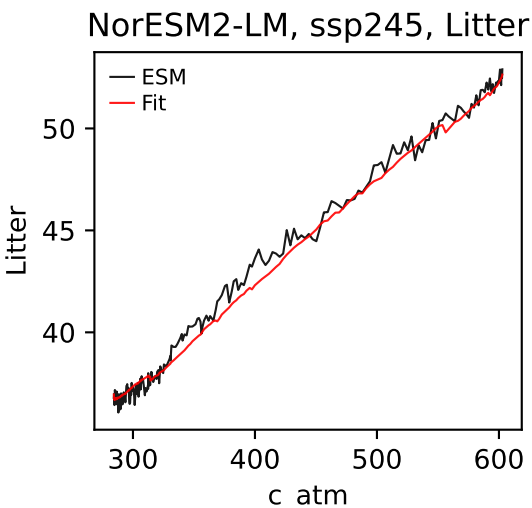

NorESM2-LM, ssp245, GPP, ln(MSE/SIGMA)
013, -0.0997, 356.7523, 0.0895, 0.0227, -0.3915, 0.9997, 0.6301, 0
gpp_slow
gpp_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
22.04
21.98
21.92
21.86
21.80
21.74
21.68
21.62
21.56
21.50

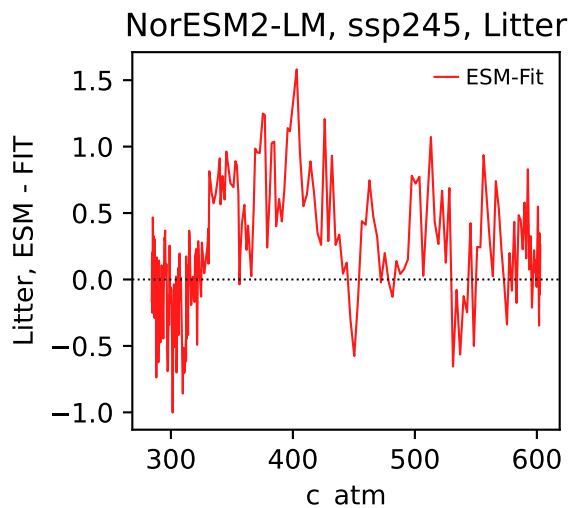

NorESM2-LM, ssp245, Litter
ESM
Fit
Litter
Year

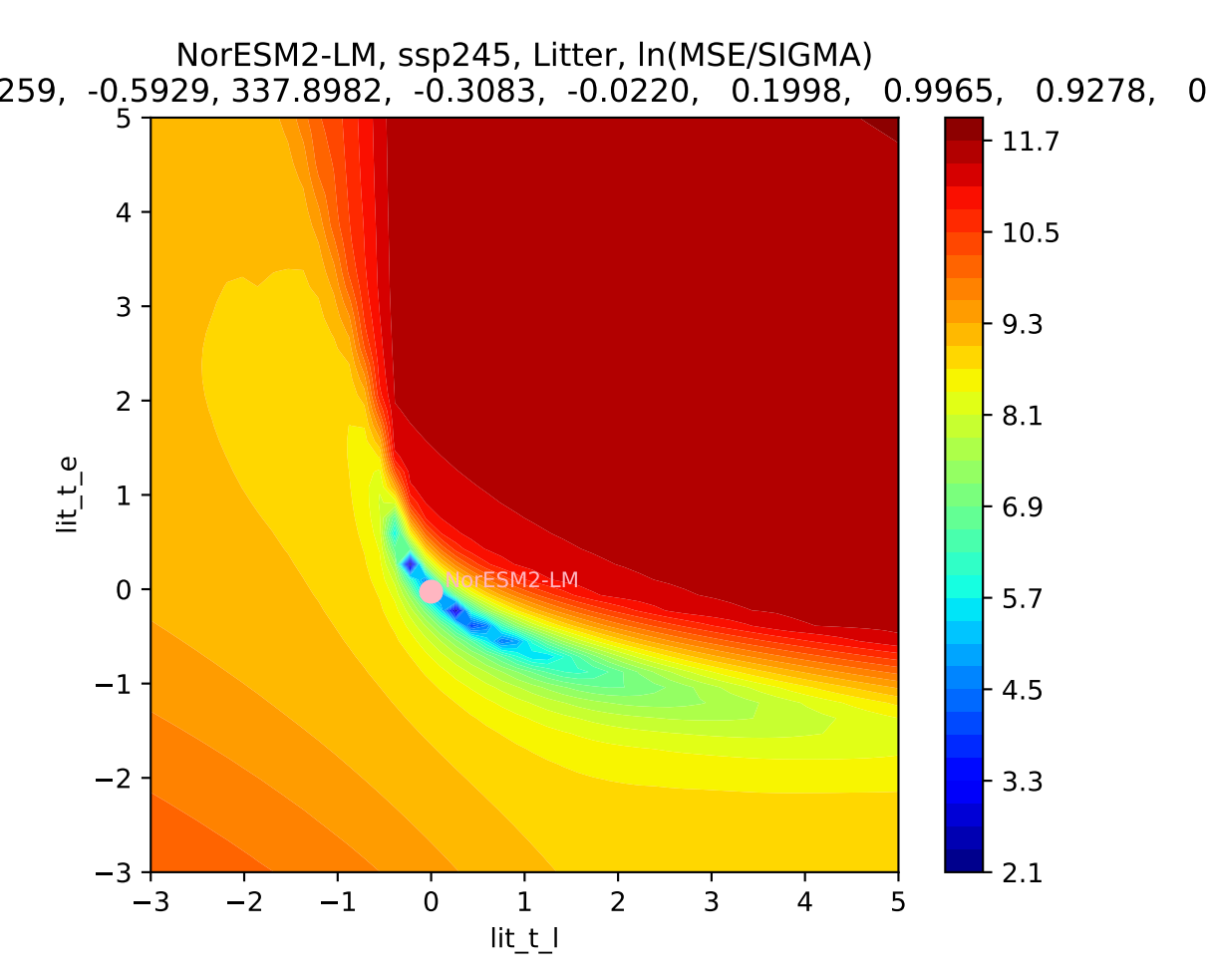

NorESM2-LM, ssp245, Litter
ESM-Fit
Litter, ESM - FIT
Year

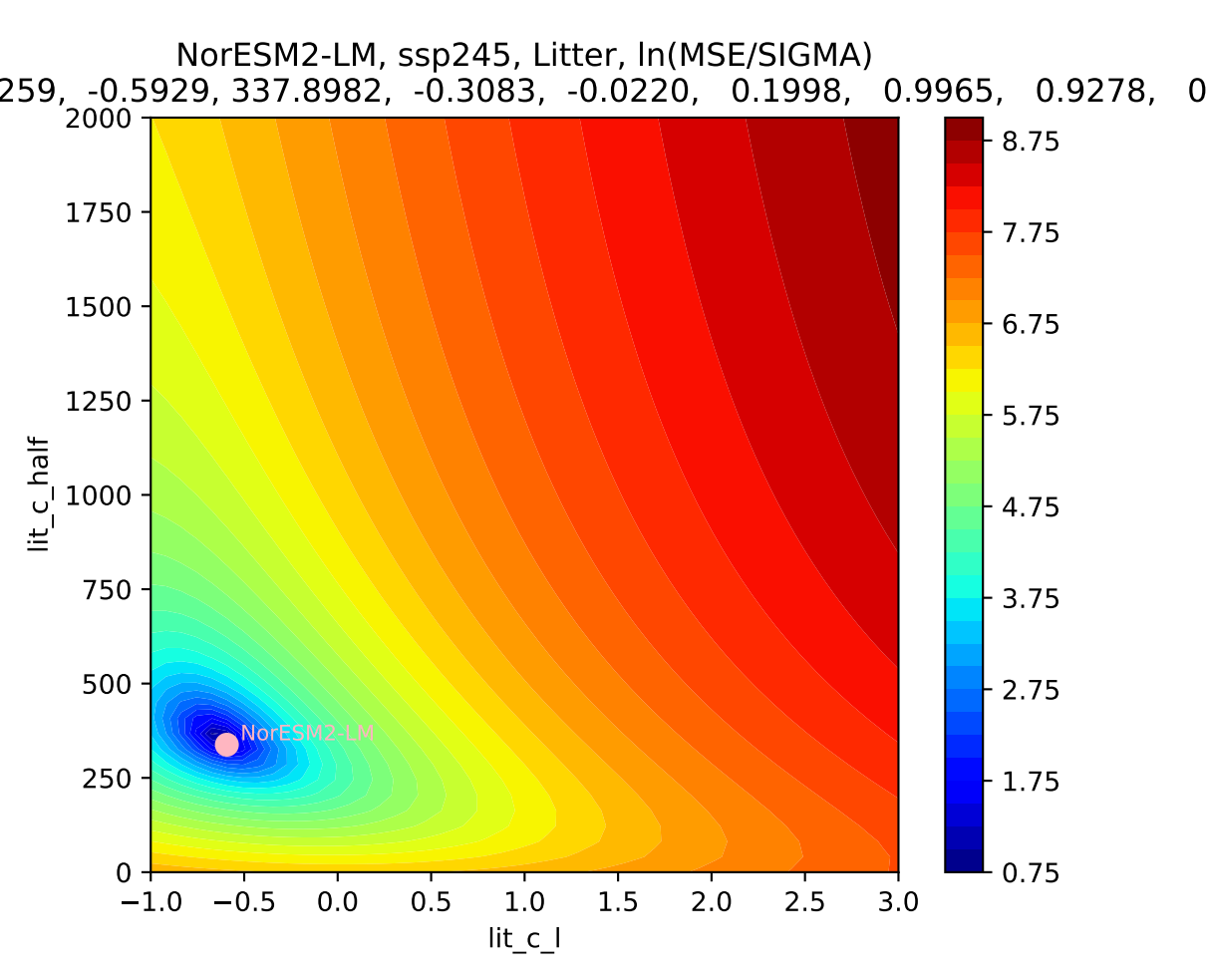

NorESM2-LM, ssp245, Litter
ESM
Fit
Litter
ΔT

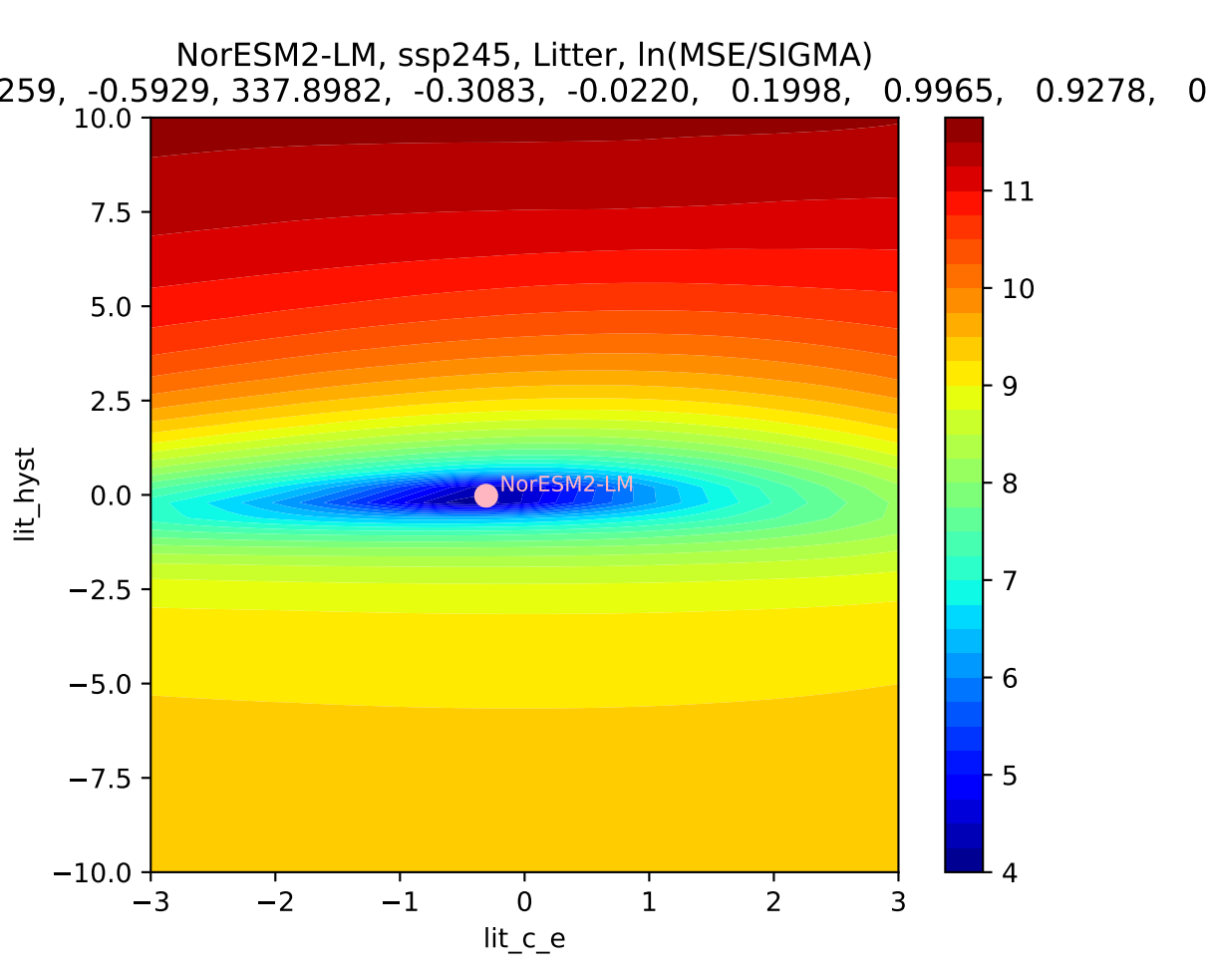

NorESM2-LM, ssp245, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

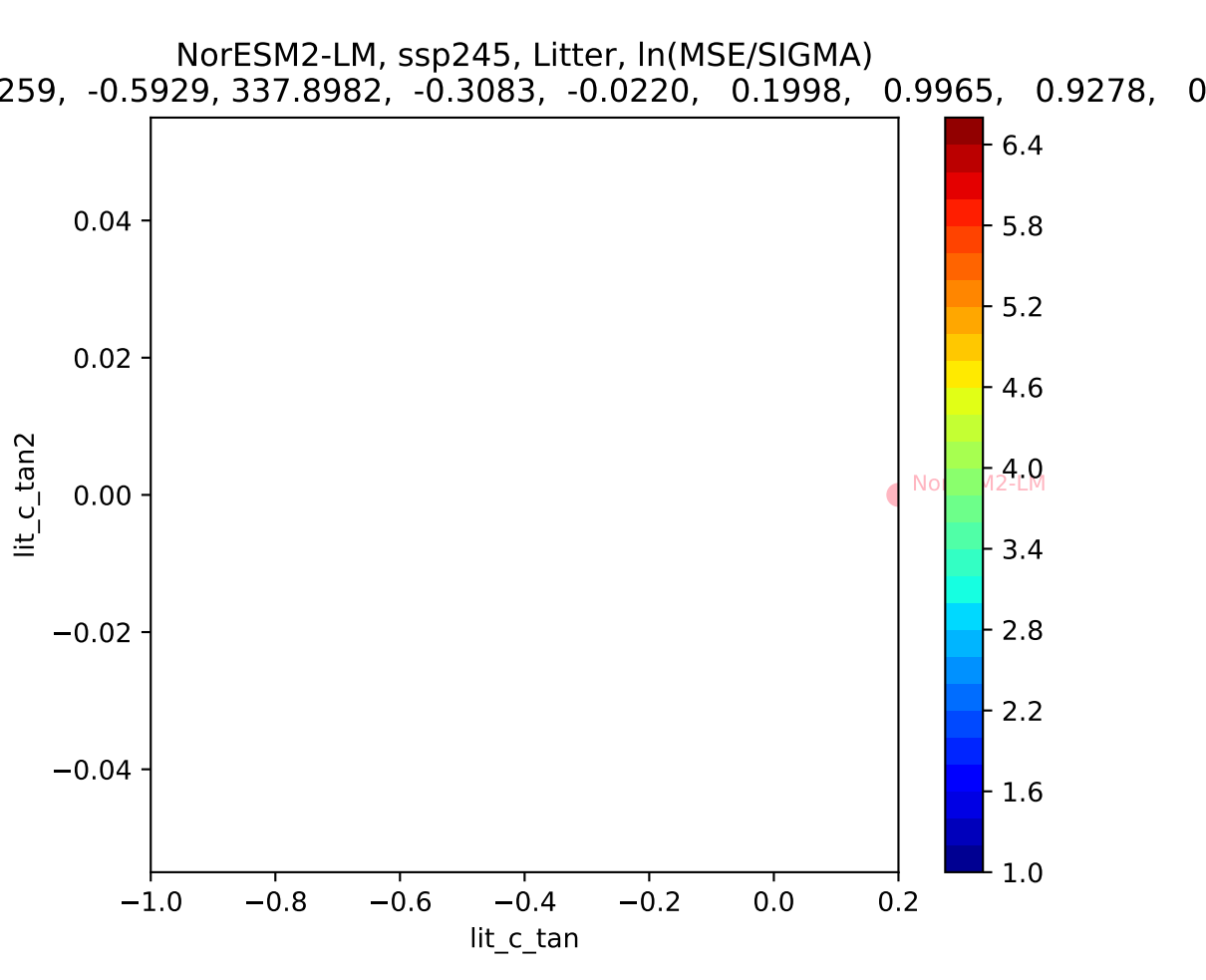

NorESM2-LM, ssp245, Litter
ESM
Fit
Litter
c_atm

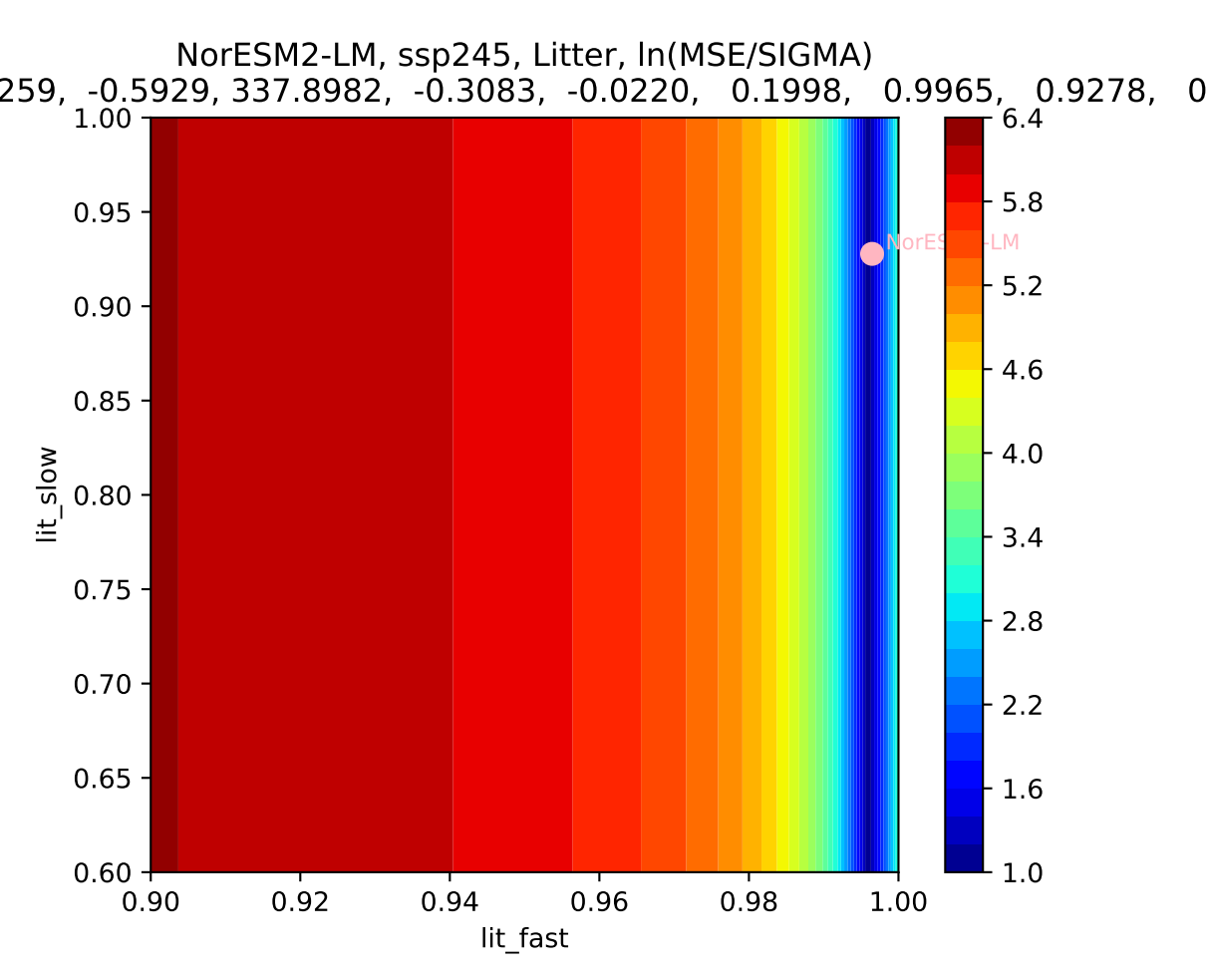

NorESM2-LM, ssp245, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

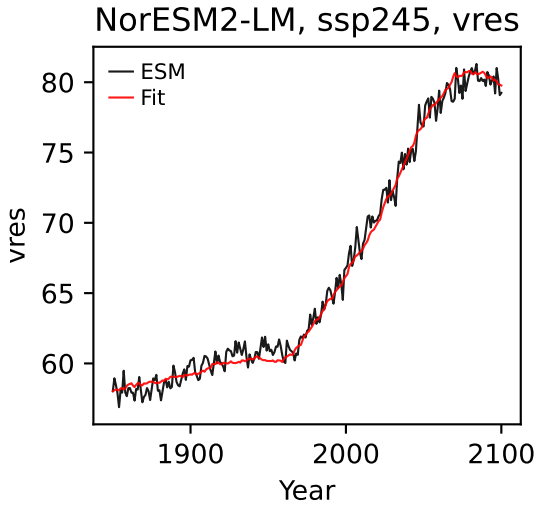

NorESM2-LM, ssp245, Litter, ln(MSE/SIGMA)
259, -0.5929, 337.8982, -0.3083, -0.0220, 0.1998, 0.9965, 0.9278, 0
lit_t_e
lit_t_l
NorESM2-LM
11.7
10.5
9.3
8.1
6.9
5.7
4.5
3.3
2.1

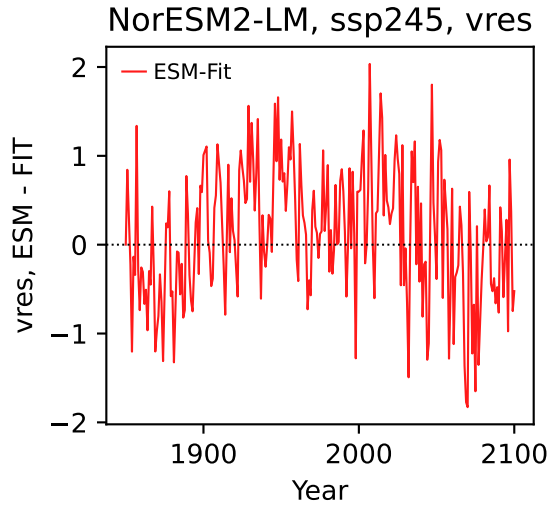

NorESM2-LM, ssp245, Litter, ln(MSE/SIGMA)
259, -0.5929, 337.8982, -0.3083, -0.0220, 0.1998, 0.9965, 0.9278, 0
lit_c_half
lit_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
8.75
7.75
6.75
5.75
4.75
3.75
2.75
1.75
0.75

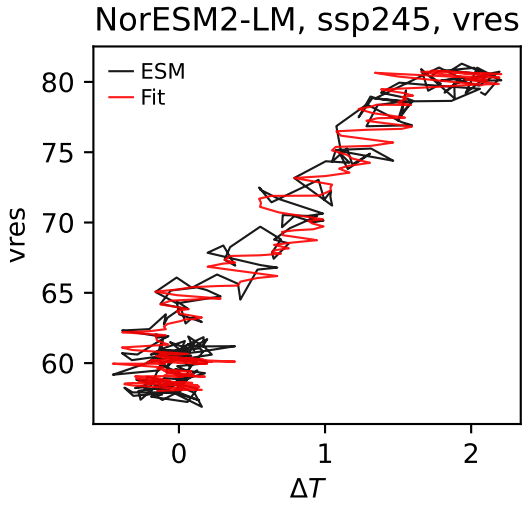

NorESM2-LM, ssp245, Litter, ln(MSE/SIGMA)
259, -0.5929, 337.8982, -0.3083, -0.0220, 0.1998, 0.9965, 0.9278, 0
NorESM2-LM
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11
10
9
8
7
6
5
4

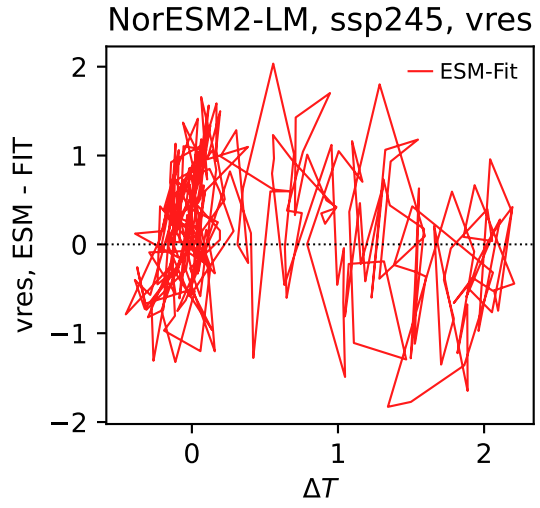

NorESM2-LM, ssp245, Litter, ln(MSE/SIGMA)
259, -0.5929, 337.8982, -0.3083, -0.0220, 0.1998, 0.9965, 0.9278, 0
lit_c_tan2
lit_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
6.4
5.8
5.2
4.6
4.0
3.4
2.8
2.2
1.6
1.0

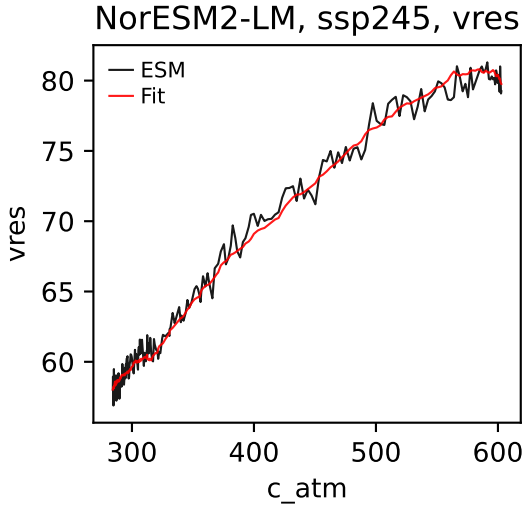

NorESM2-LM, ssp245, Litter, ln(MSE/SIGMA)
259, -0.5929, 337.8982, -0.3083, -0.0220, 0.1998, 0.9965, 0.9278, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
0.90
0.92
0.94
0.96
0.98
1.00
lit_fast
6.4
5.8
5.2
4.6
4.0
3.4
2.8
2.2
1.6
1.0

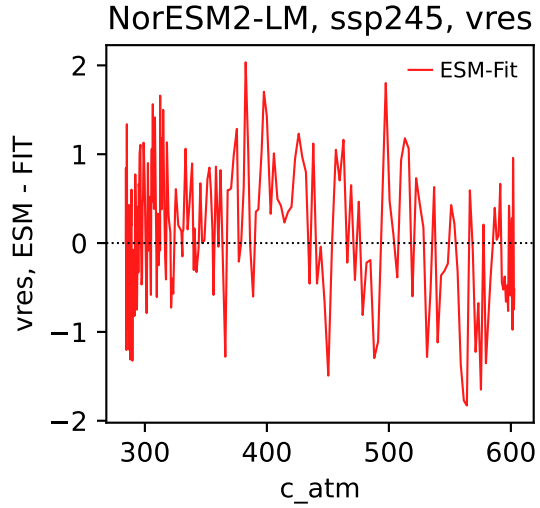

NorESM2-LM, ssp245, vres
ESM
Fit
vres
Year

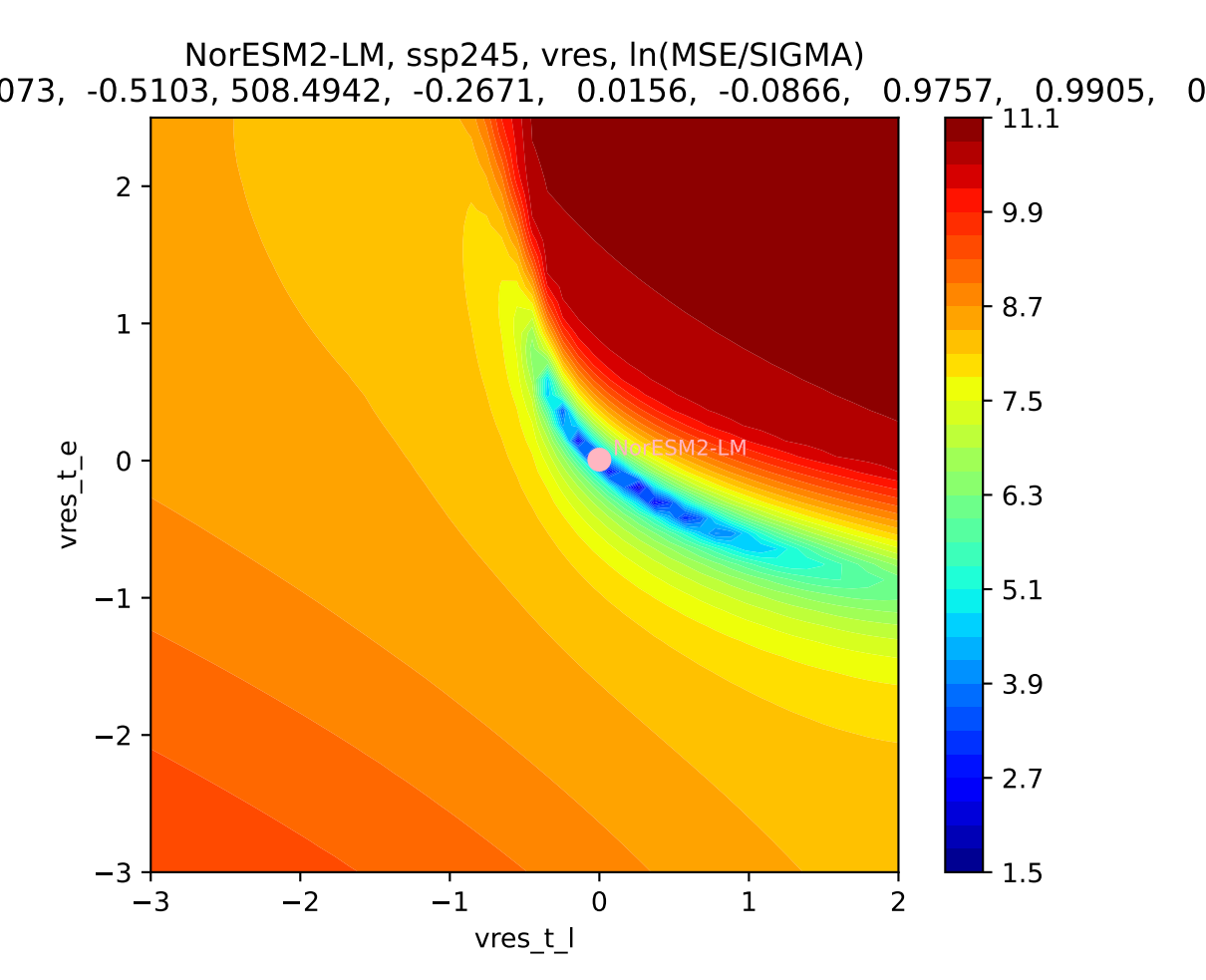

NorESM2-LM, ssp245, vres
ESM-Fit
vres, ESM - FIT
Year

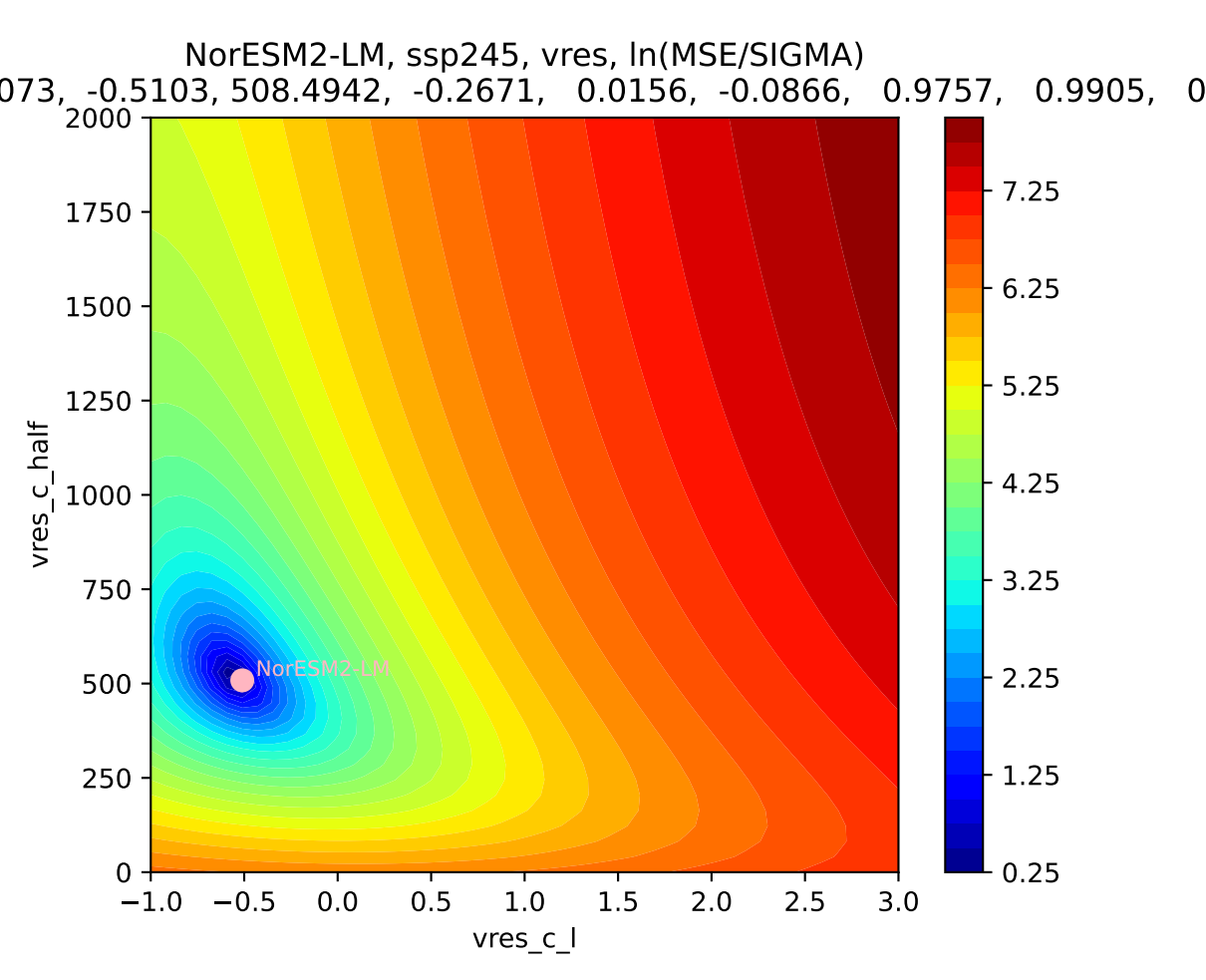

NorESM2-LM, ssp245, vres
ESM
Fit
vres
ΔT

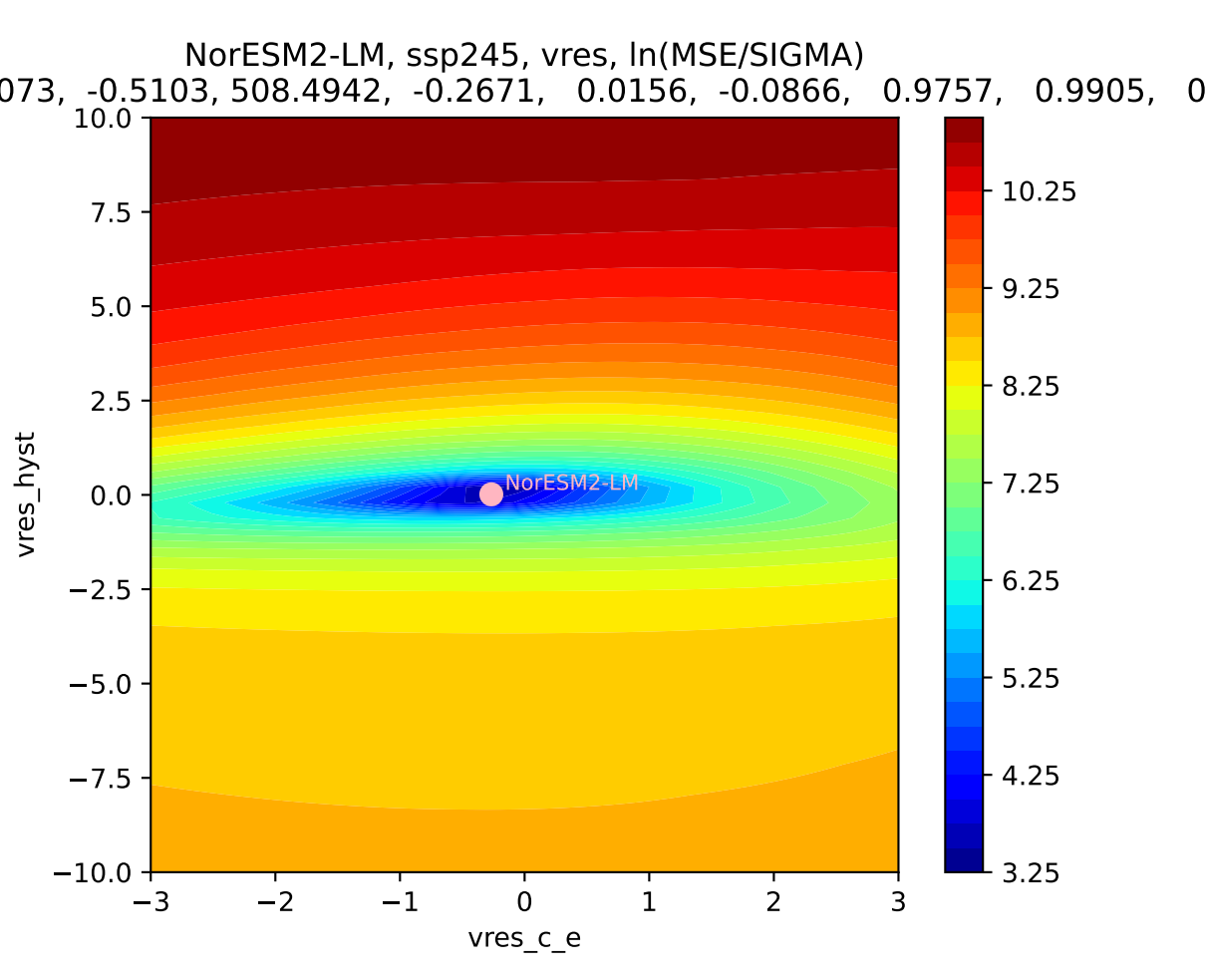

NorESM2-LM, ssp245, vres
ESM-Fit
vres, ESM - FIT
ΔT

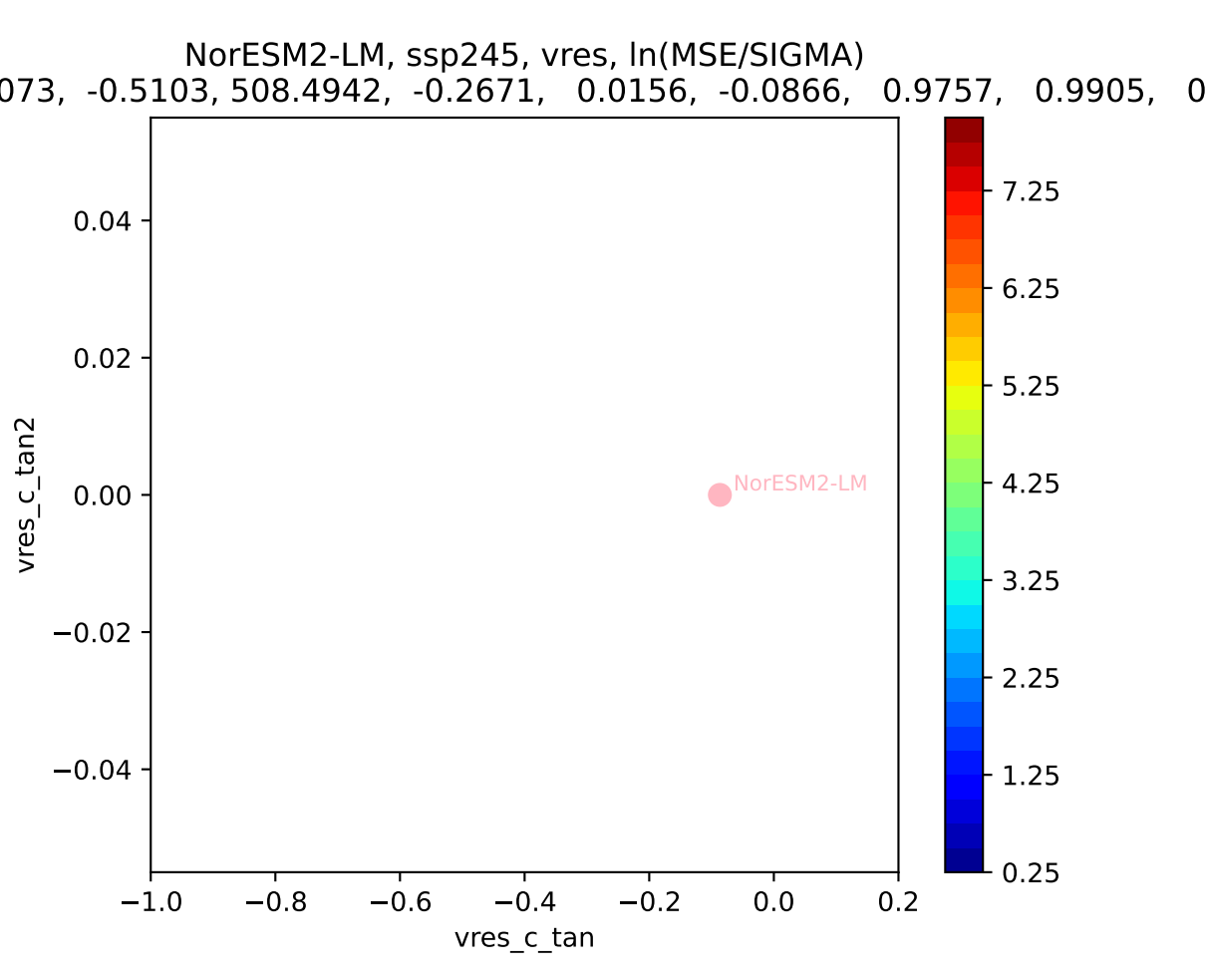

NorESM2-LM, ssp245, vres
ESM
Fit
vres
c_atm

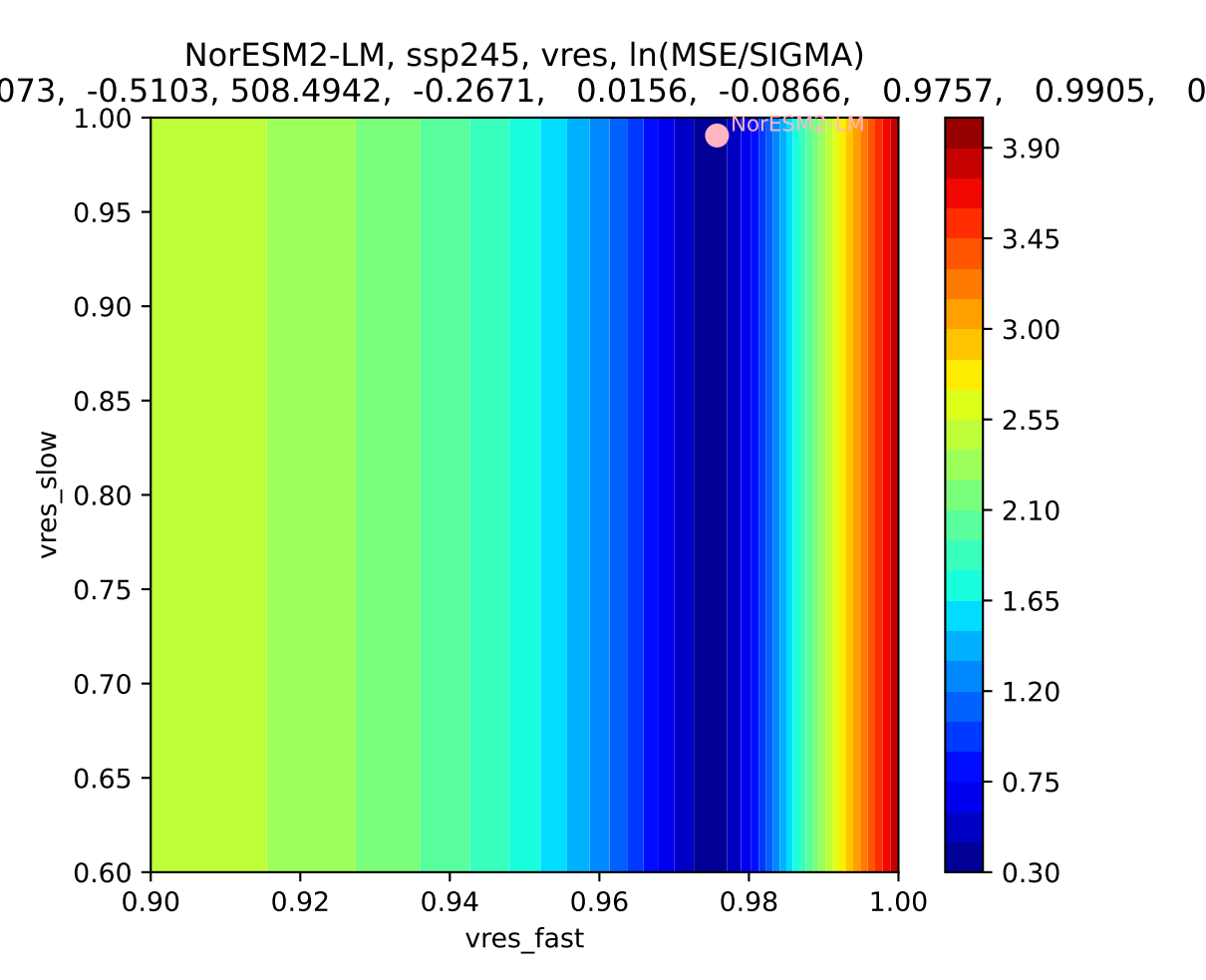

NorESM2-LM, ssp245, vres
ESM-Fit
vres, ESM - FIT
c_atm

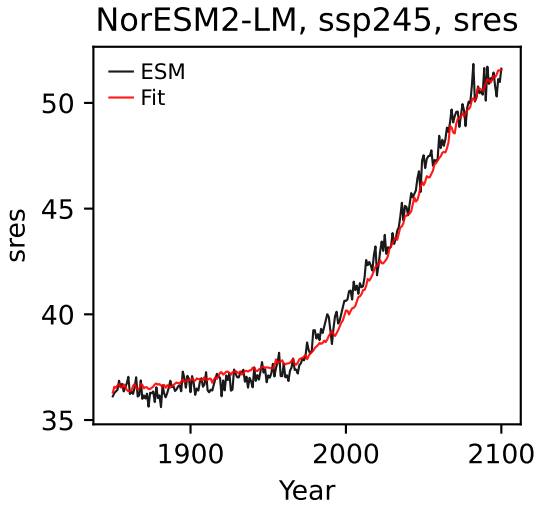

NorESM2-LM, ssp245, vres, ln(MSE/SIGMA)
073, -0.5103, 508.4942, -0.2671, 0.0156, -0.0866, 0.9757, 0.9905, 0
NorESM2-LM
vres_t_e
vres_t_l
11.1
9.9
8.7
7.5
6.3
5.1
3.9
2.7
1.5

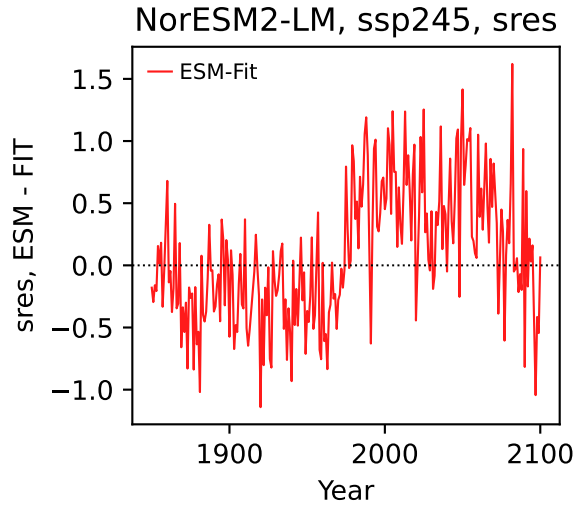

NorESM2-LM, ssp245, vres, ln(MSE/SIGMA)
073, -0.5103, 508.4942, -0.2671, 0.0156, -0.0866, 0.9757, 0.9905, 0
vres_c_half
vres_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7.25
6.25
5.25
4.25
3.25
2.25
1.25
0.25

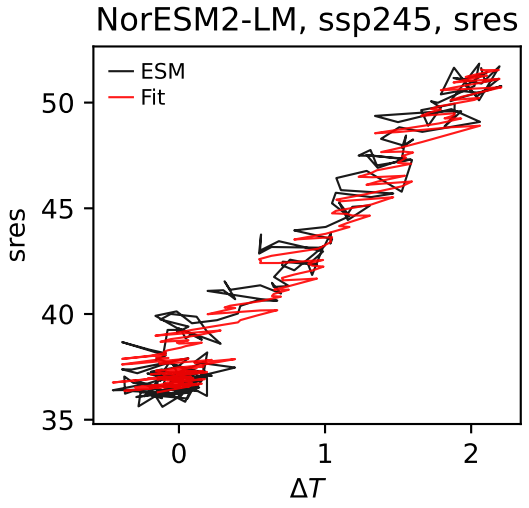

NorESM2-LM, ssp245, vres, ln(MSE/SIGMA)
073, -0.5103, 508.4942, -0.2671, 0.0156, -0.0866, 0.9757, 0.9905, 0
NorESM2-LM
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.25
9.25
8.25
7.25
6.25
5.25
4.25
3.25

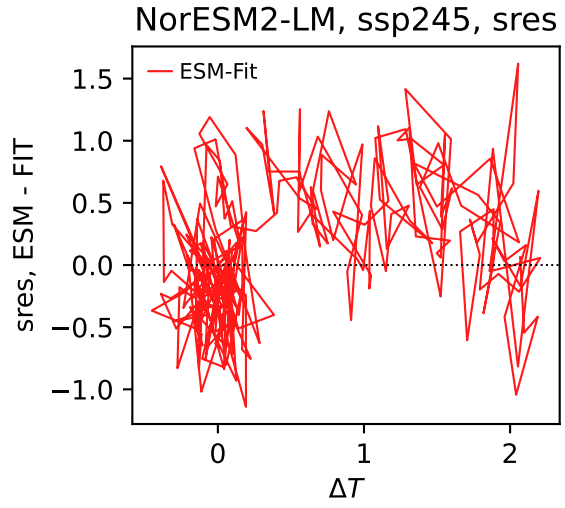

NorESM2-LM, ssp245, vres, ln(MSE/SIGMA)
073, -0.5103, 508.4942, -0.2671, 0.0156, -0.0866, 0.9757, 0.9905, 0
NorESM2-LM
0.04
0.02
0.00
−0.02
−0.04
vres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
vres_c_tan
7.25
6.25
5.25
4.25
3.25
2.25
1.25
0.25

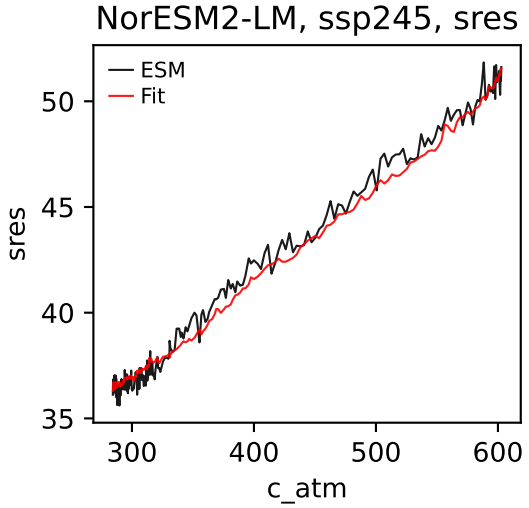

NorESM2-LM, ssp245, vres, ln(MSE/SIGMA)
073, -0.5103, 508.4942, -0.2671, 0.0156, -0.0866, 0.9757, 0.9905, 0
NorESM2-LM
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
0.90
0.92
0.94
0.96
0.98
1.00
vres_fast
3.90
3.45
3.00
2.55
2.10
1.65
1.20
0.75
0.30

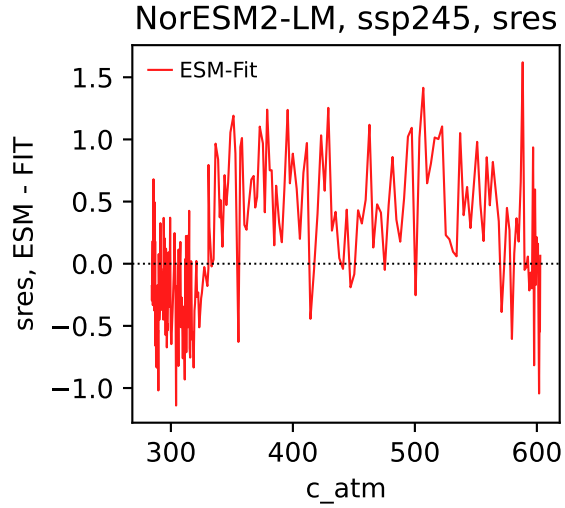

NorESM2-LM, ssp245, sres
ESM
Fit
sres
Year

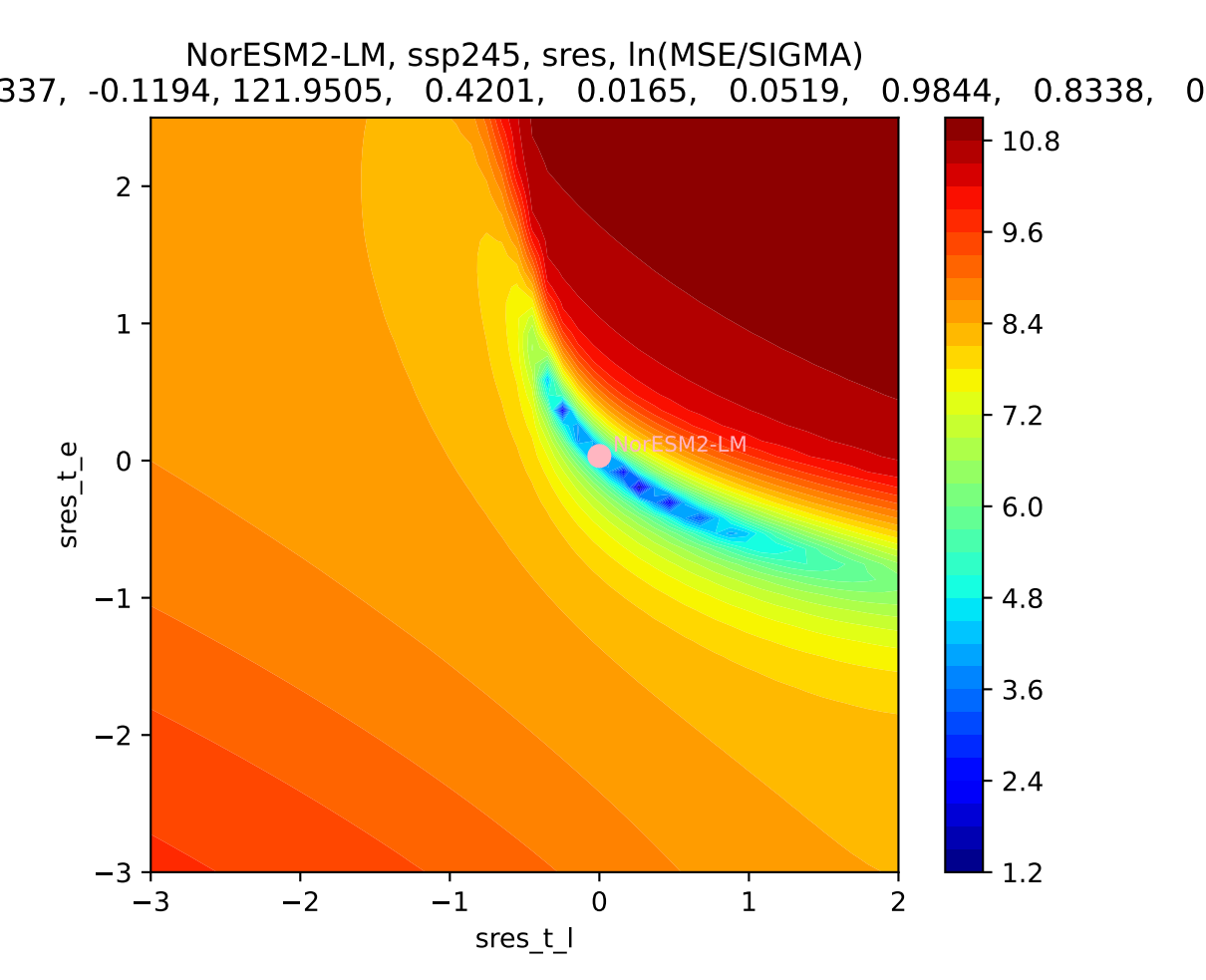

NorESM2-LM, ssp245, sres
ESM-Fit
sres, ESM - FIT
Year

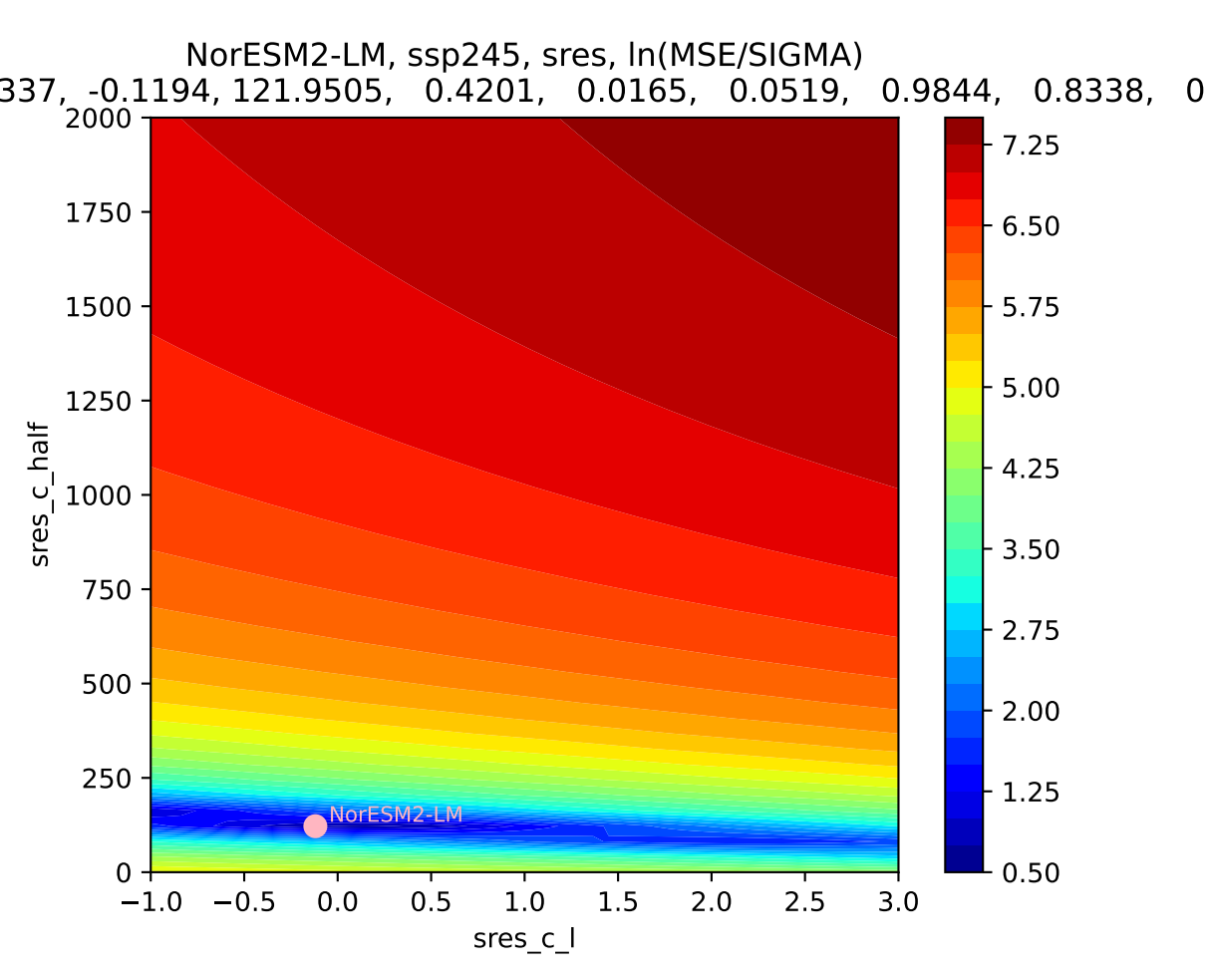

NorESM2-LM, ssp245, sres
ESM
Fit
sres
ΔT

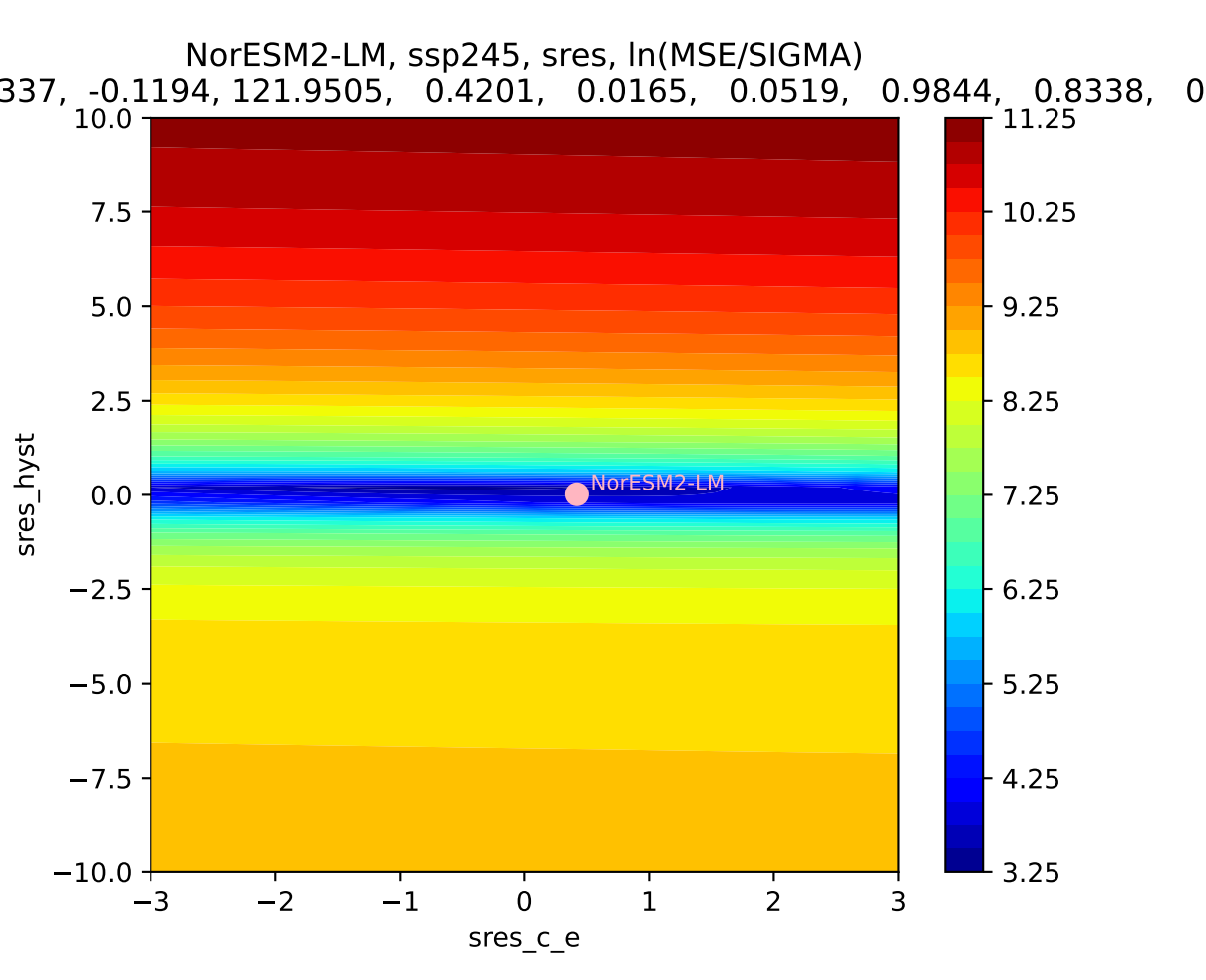

NorESM2-LM, ssp245, sres
ESM-Fit
sres, ESM - FIT
ΔT

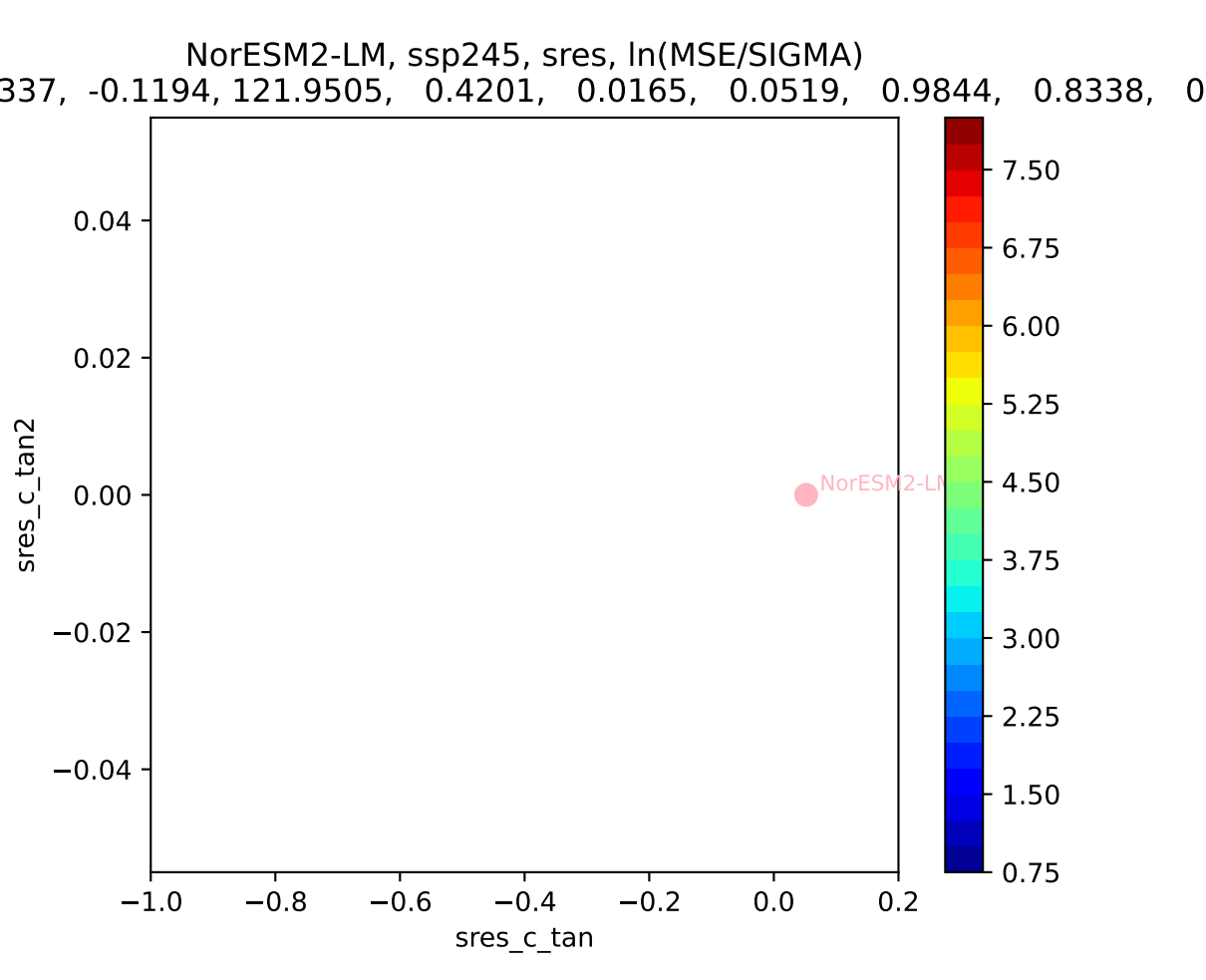

NorESM2-LM, ssp245, sres
ESM
Fit
sres
c_atm

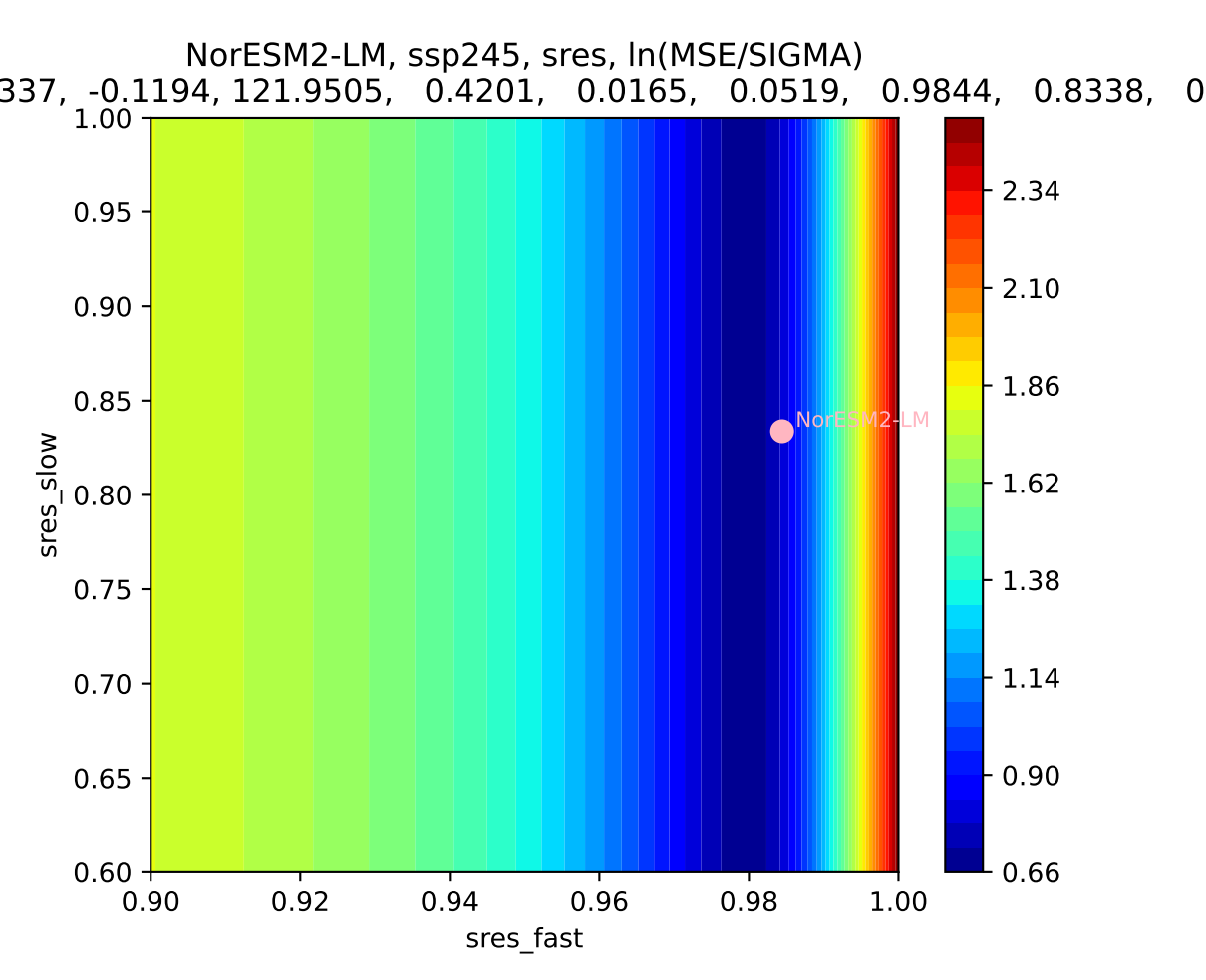

NorESM2-LM, ssp245, sres
ESM-Fit
sres, ESM - FIT
c_atm

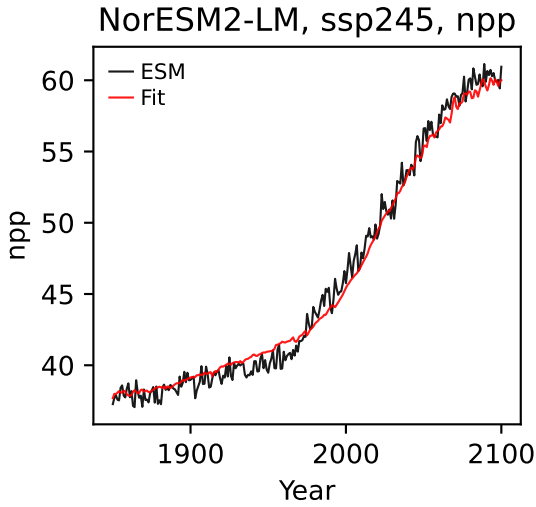

NorESM2-LM, ssp245, sres, ln(MSE/SIGMA)
337, -0.1194, 121.9505, 0.4201, 0.0165, 0.0519, 0.9844, 0.8338, 0
NorESM2-LM
sres_t_e
sres_t_l
−3
−2
−1
0
1
2
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

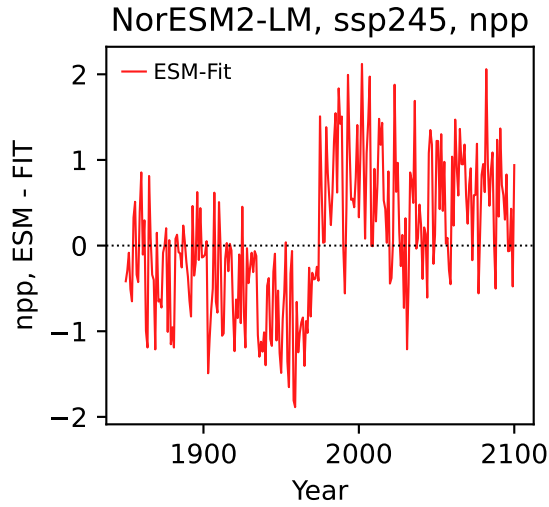

NorESM2-LM, ssp245, sres, ln(MSE/SIGMA)
337, -0.1194, 121.9505, 0.4201, 0.0165, 0.0519, 0.9844, 0.8338, 0
sres_c_half
sres_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7.25
6.50
5.75
5.00
4.25
3.50
2.75
2.00
1.25
0.50

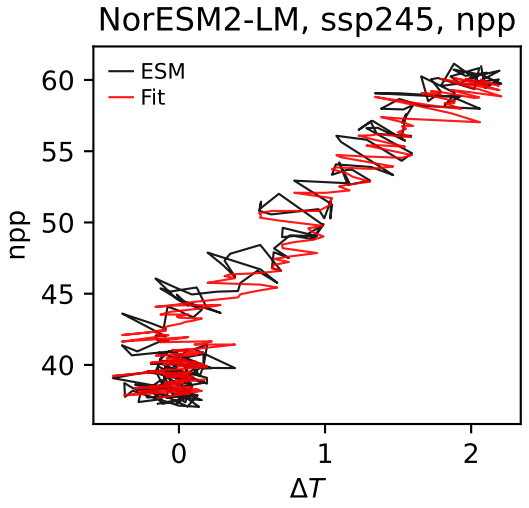

NorESM2-LM, ssp245, sres, ln(MSE/SIGMA)
337, -0.1194, 121.9505, 0.4201, 0.0165, 0.0519, 0.9844, 0.8338, 0
NorESM2-LM
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.25
10.25
9.25
8.25
7.25
6.25
5.25
4.25
3.25

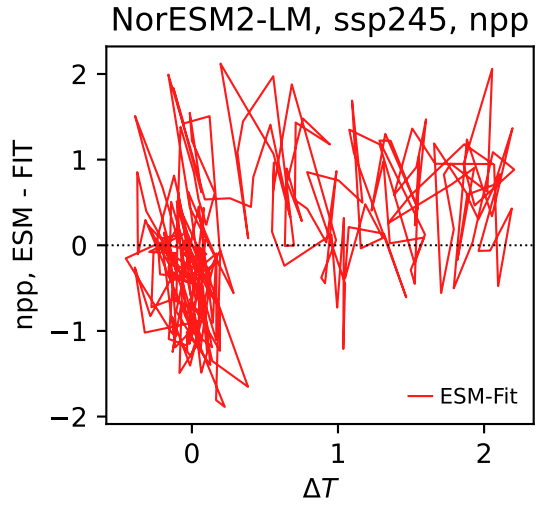

NorESM2-LM, ssp245, sres, ln(MSE/SIGMA)
337, -0.1194, 121.9505, 0.4201, 0.0165, 0.0519, 0.9844, 0.8338, 0
0.04
0.02
0.00
−0.02
−0.04
sres_c_tan2
NorESM2-LM
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
sres_c_tan
7.50
6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75

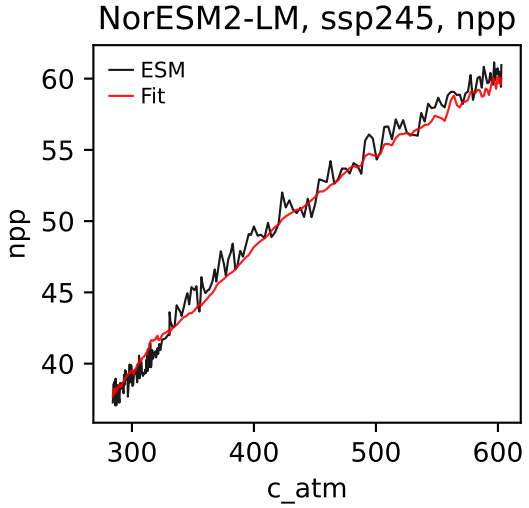

NorESM2-LM, ssp245, sres, ln(MSE/SIGMA)
337, -0.1194, 121.9505, 0.4201, 0.0165, 0.0519, 0.9844, 0.8338, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
0.90
0.92
0.94
0.96
0.98
1.00
sres_fast
NorESM2-LM
2.34
2.10
1.86
1.62
1.38
1.14
0.90
0.66

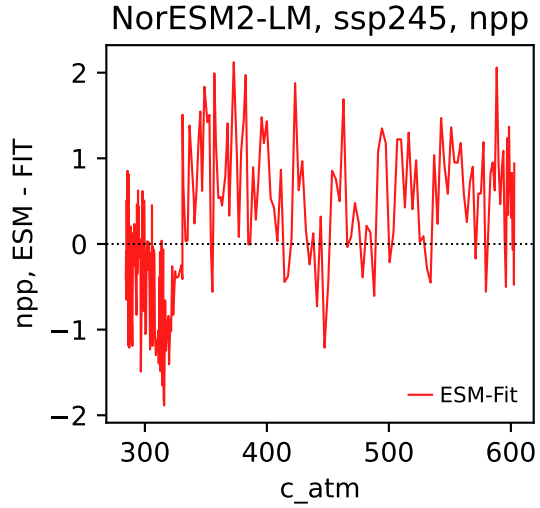

NorESM2-LM, ssp245, npp
ESM
Fit
npp
Year

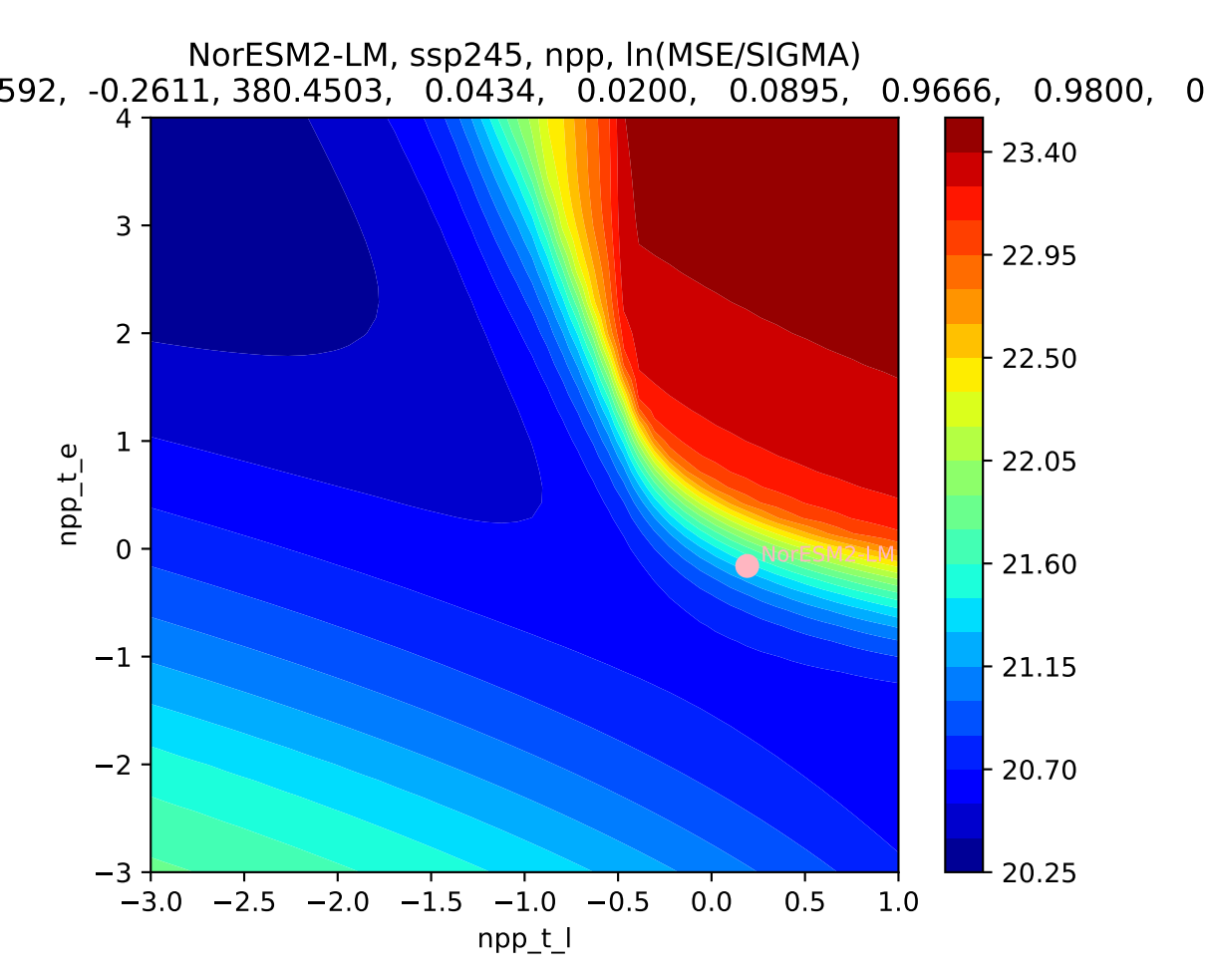

NorESM2-LM, ssp245, npp
ESM-Fit
npp, ESM - FIT
Year

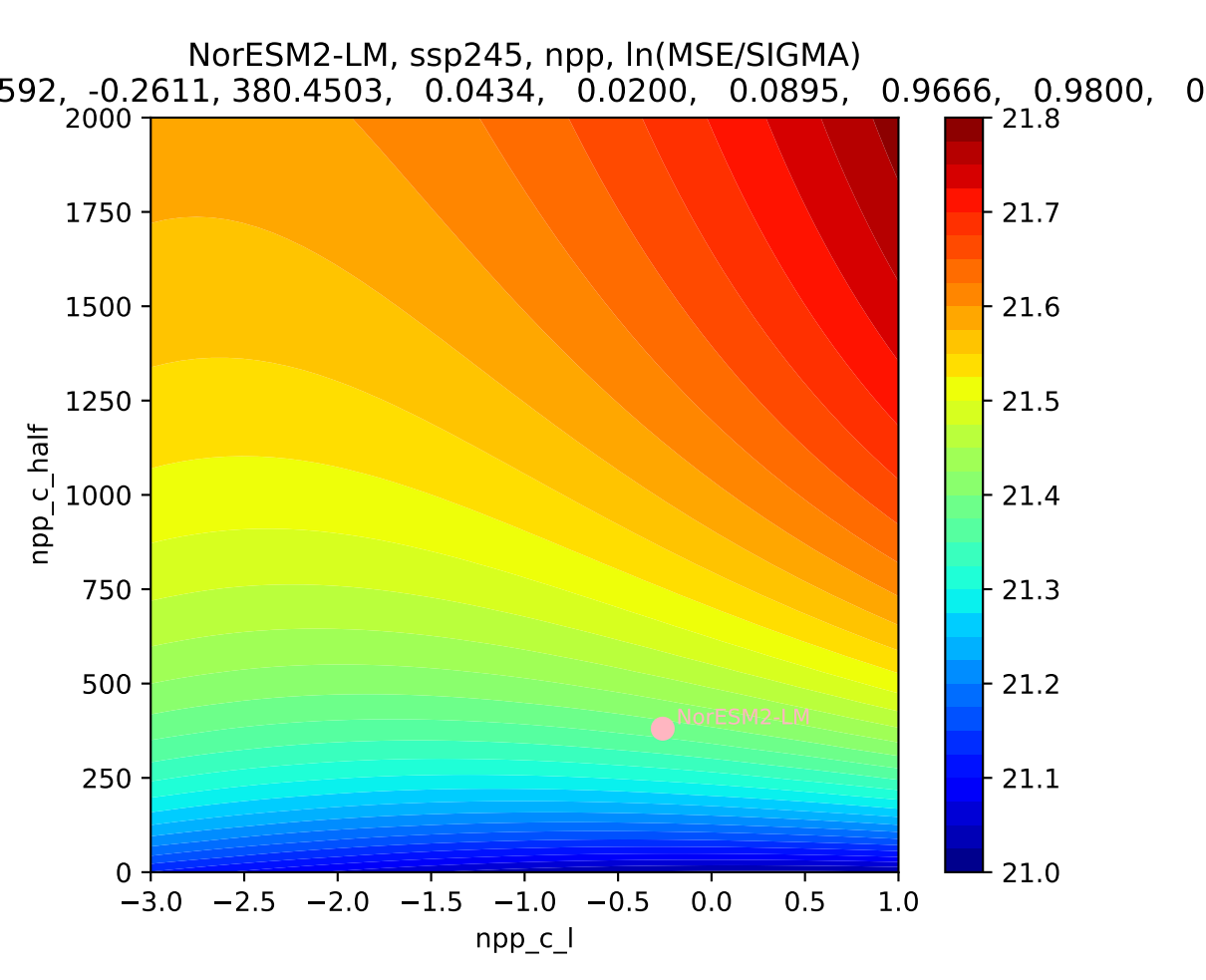

NorESM2-LM, ssp245, npp
ESM
Fit
npp
ΔT

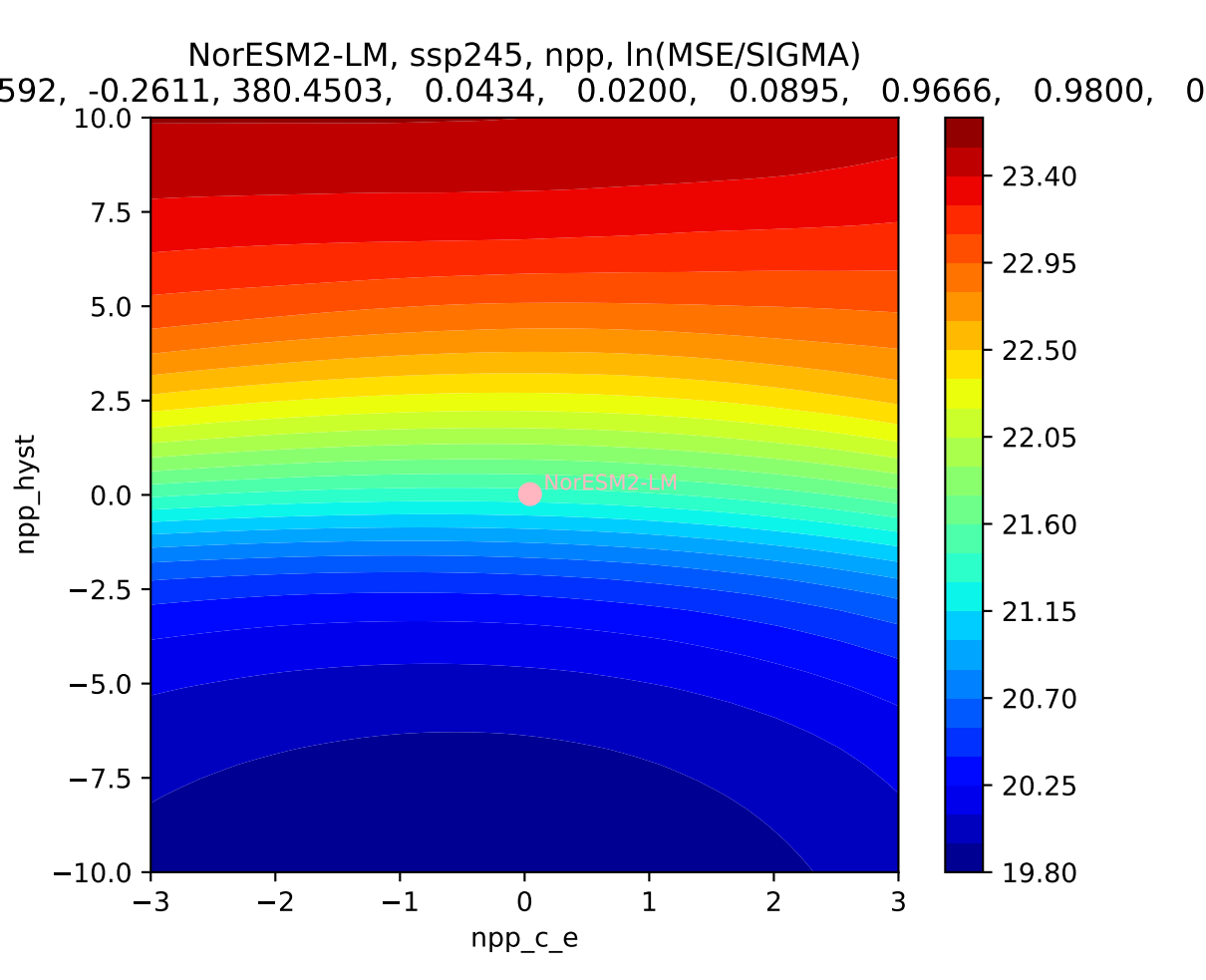

NorESM2-LM, ssp245, npp
ESM-Fit
npp, ESM - FIT
ΔT

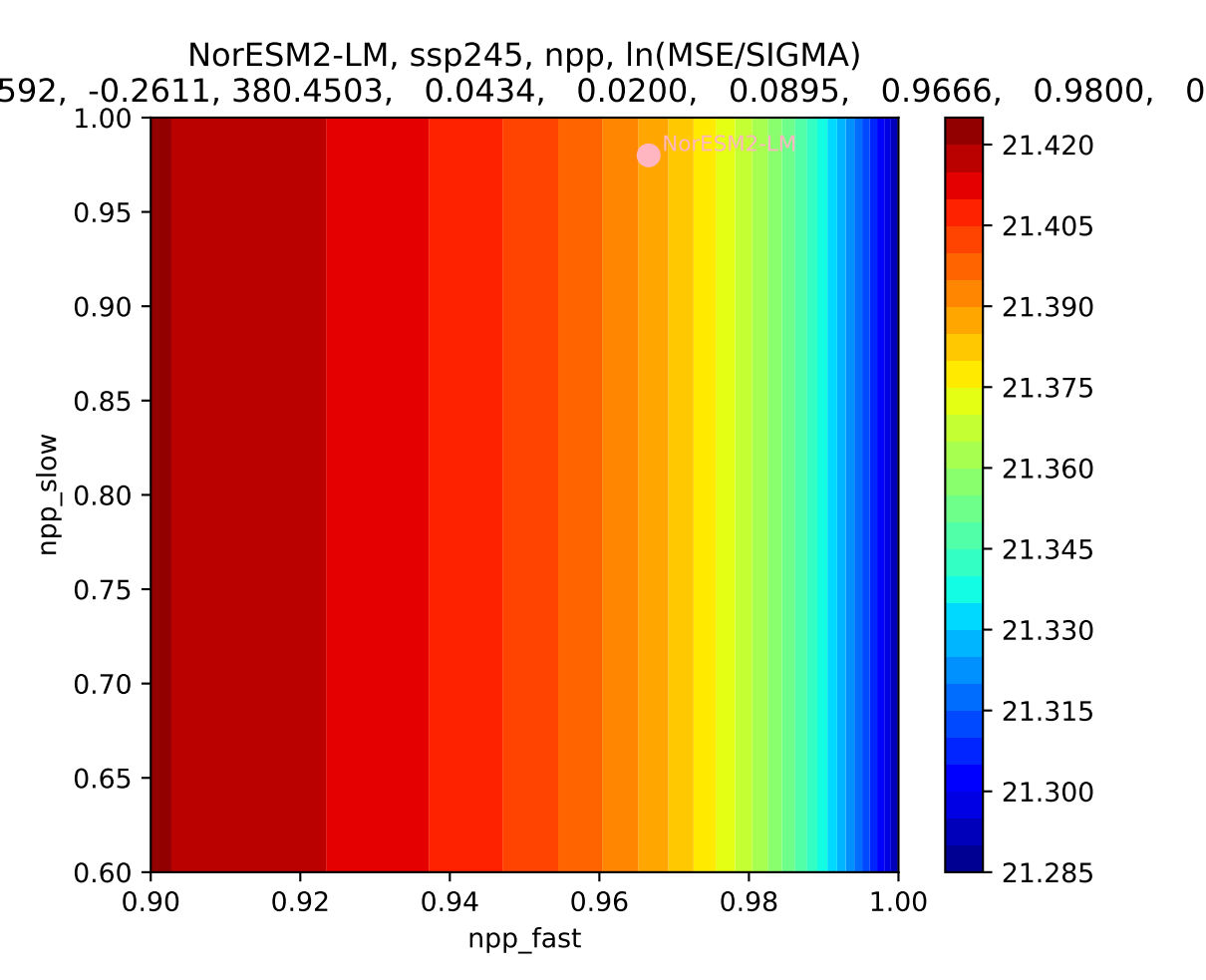

NorESM2-LM, ssp245, npp
ESM
Fit
npp
c_atm

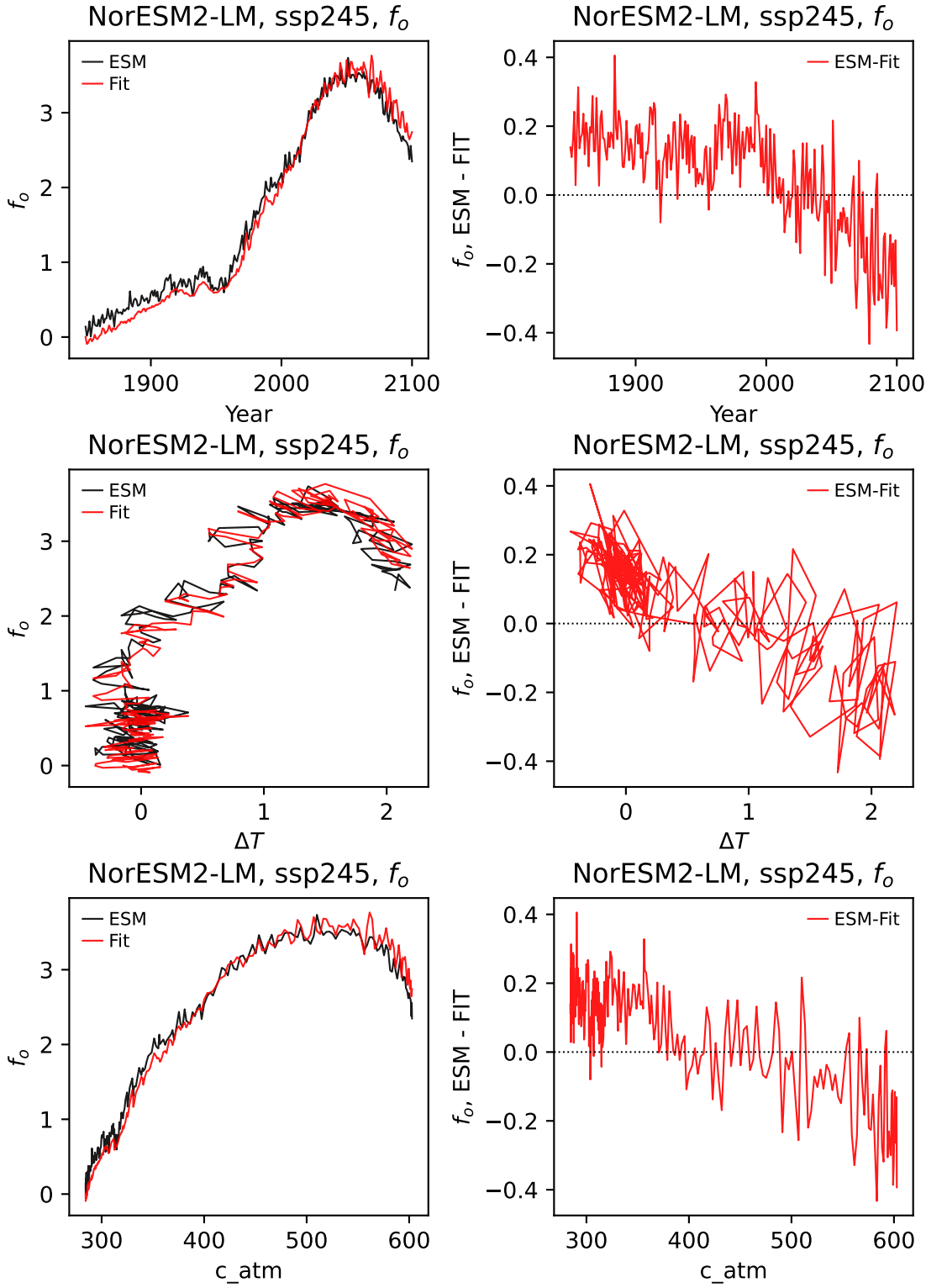

NorESM2-LM, ssp245, npp
ESM-Fit
npp, ESM - FIT
c_atm

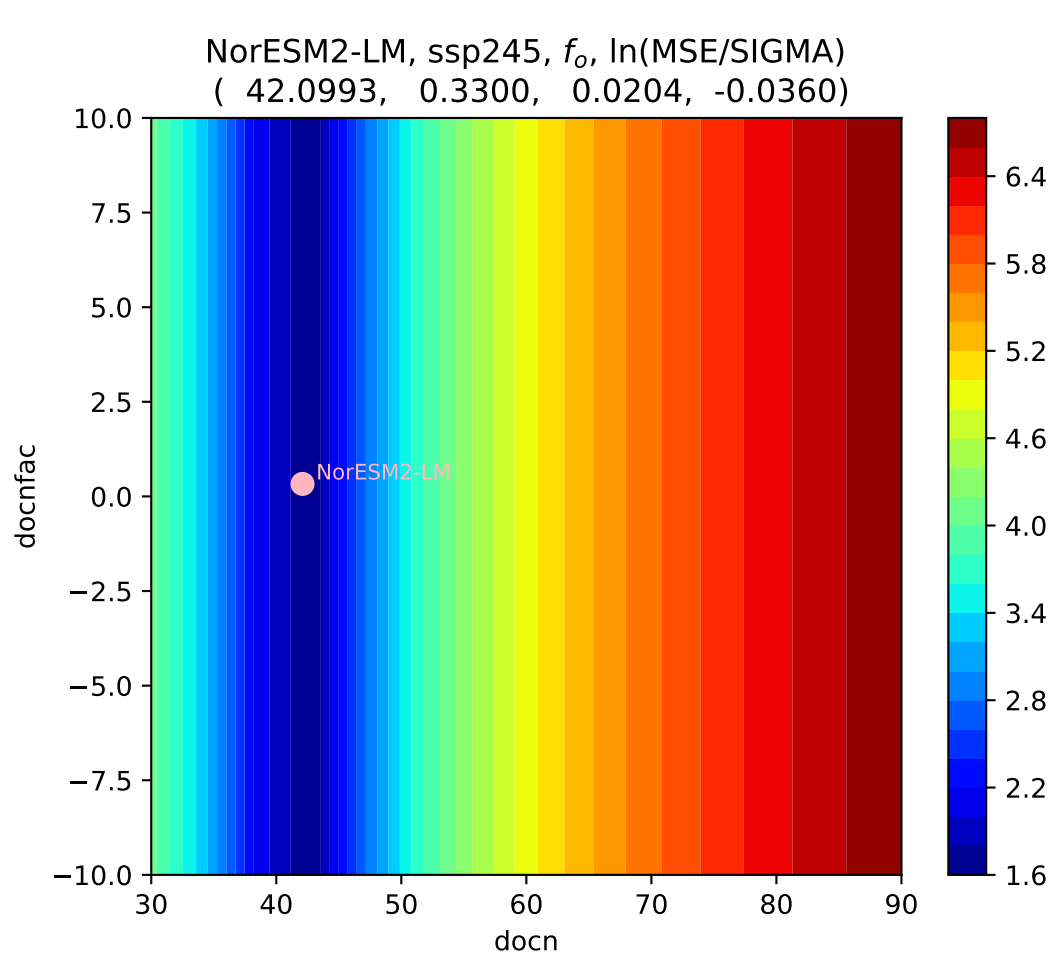

NorESM2-LM, ssp245, npp, ln(MSE/SIGMA)
592, -0.2611, 380.4503, 0.0434, 0.0200, 0.0895, 0.9666, 0.9800, 0
npp_t_e
npp_t_l
NorESM2-LM
23.40
22.95
22.50
22.05
21.60
21.15
20.70
20.25

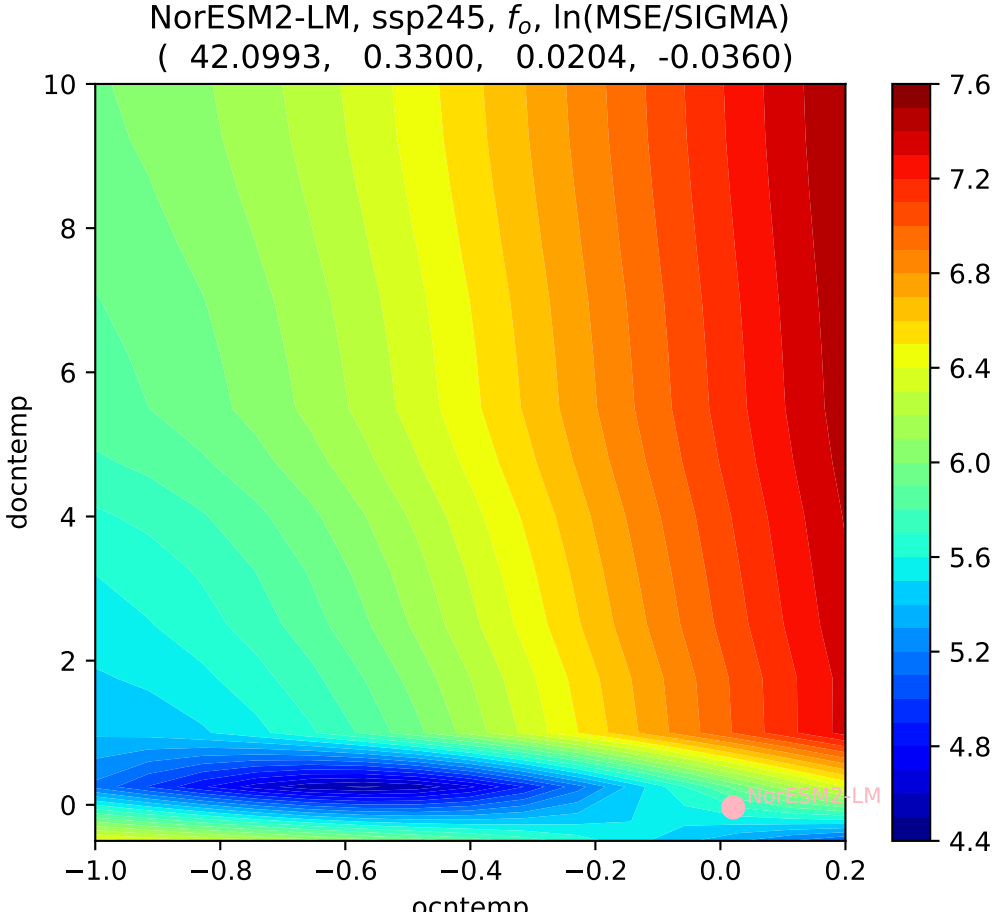

NorESM2-LM, ssp245, npp, ln(MSE/SIGMA)
592, -0.2611, 380.4503, 0.0434, 0.0200, 0.0895, 0.9666, 0.9800, 0
npp_c_half
npp_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
21.8
21.7
21.6
21.5
21.4
21.3
21.2
21.1
21.0


NorESM2-LM, ssp245, npp, ln(MSE/SIGMA)
592, -0.2611, 380.4503, 0.0434, 0.0200, 0.0895, 0.9666, 0.9800, 0
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
npp_hyst
NorESM2-LM
−3
−2
−1
0
1
2
3
npp_c_e
23.40
22.95
22.50
22.05
21.60
21.15
20.70
20.25
19.80


NorESM2-LM, ssp245, npp, ln(MSE/SIGMA)
592, -0.2611, 380.4503, 0.0434, 0.0200, 0.0895, 0.9666, 0.9800, 0
NorESM2-LM
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
21.420
21.405
21.390
21.375
21.360
21.345
21.330
21.315
21.300
21.285


NorESM2-LM, ssp245, f_o
ESM
Fit
f_o
Year
NorESM2-LM, ssp245, f_o
ESM-Fit
f_o, ESM - FIT
Year
NorESM2-LM, ssp245, f_o
ESM
Fit
f_o
ΔT
NorESM2-LM, ssp245, f_o
ESM-Fit
f_o, ESM - FIT
ΔT
NorESM2-LM, ssp245, f_o
ESM
Fit
f_o
c_atm
NorESM2-LM, ssp245, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


NorESM2-LM, ssp245, f_o, ln(MSE/SIGMA)
(42.0993, 0.3300, 0.0204, -0.0360)
NorESM2-LM
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
6.4
5.8
5.2
4.6
4.0
3.4
2.8
2.2
1.6


NorESM2-LM, ssp245, f_o, ln(MSE/SIGMA)
(42.0993, 0.3300, 0.0204, -0.0360)
10
8
6
4
2
0
docntemp
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
ocntemp
NorESM2-LM
7.6
7.2
6.8
6.4
6.0
5.6
5.2
4.8
4.4