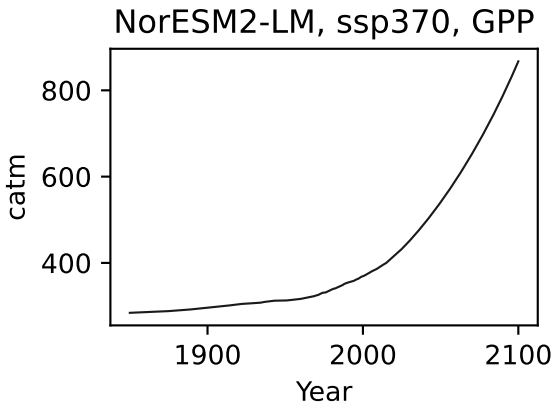
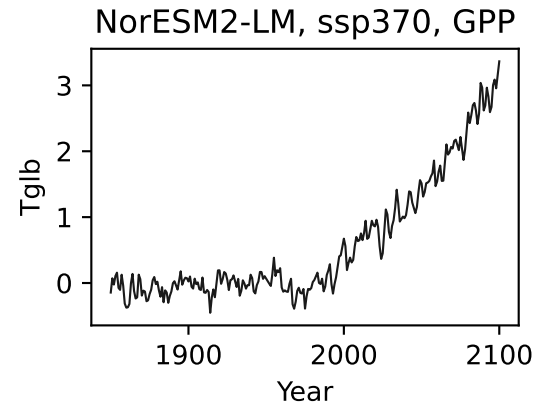
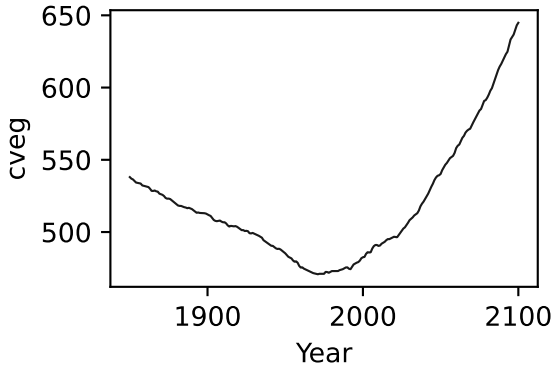
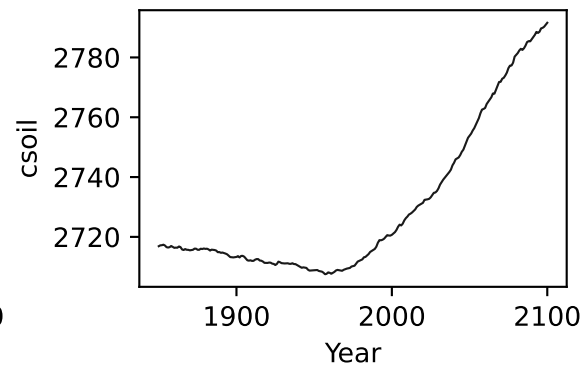
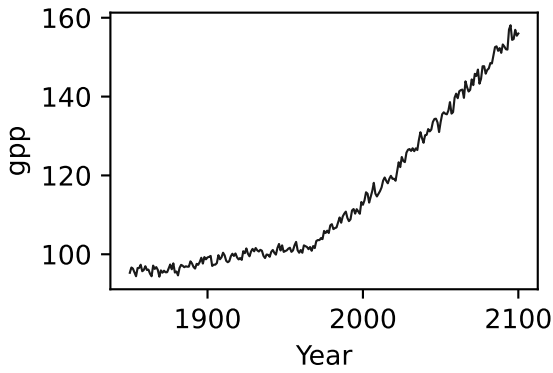
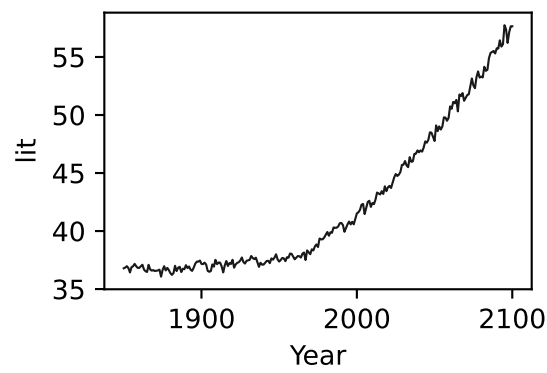

NorESM2-LM, ssp370, GPP
catm
800
600
400
1900
2000
2100
Year

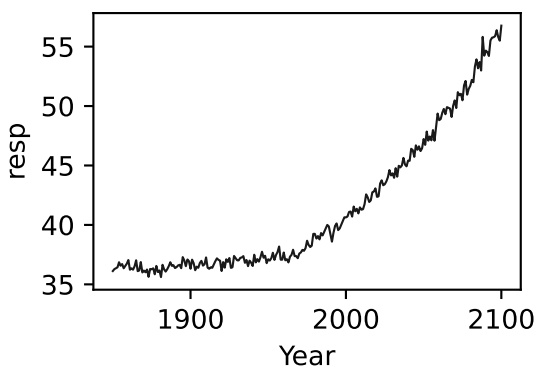

NorESM2-LM, ssp370, GPP
Tglb
3
2
1
0
1900
2000
2100
Year

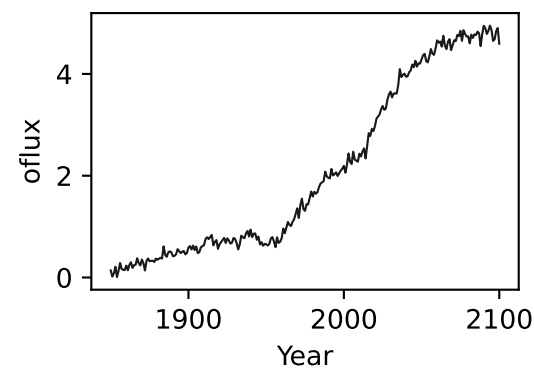

cveg
650
600
550
500
1900
2000
2100
Year

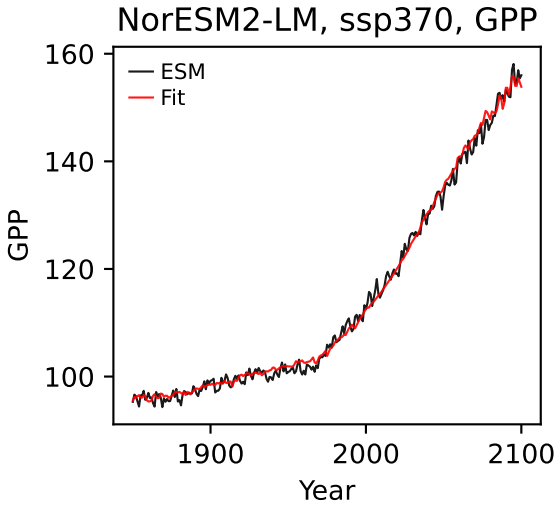

csoil
2780
2760
2740
2720
1900
2000
2100
Year

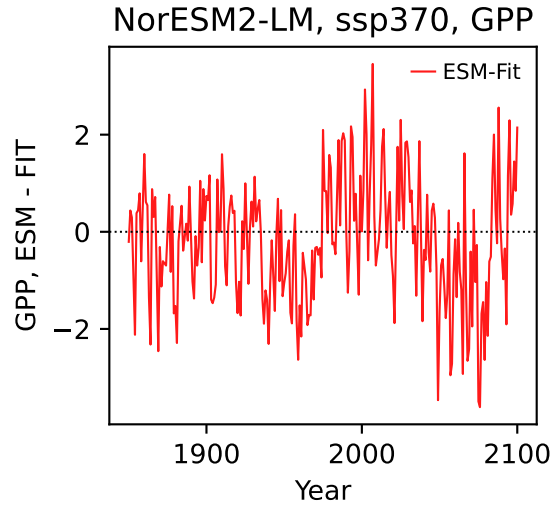

gpp
160
140
120
100
1900
2000
2100
Year

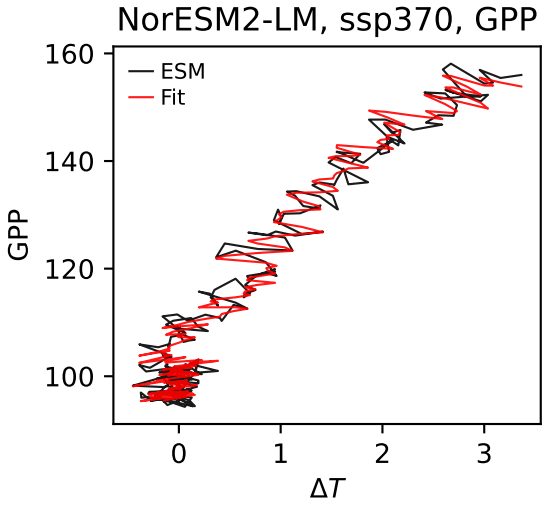

lit
55
50
45
40
35
1900
2000
2100
Year

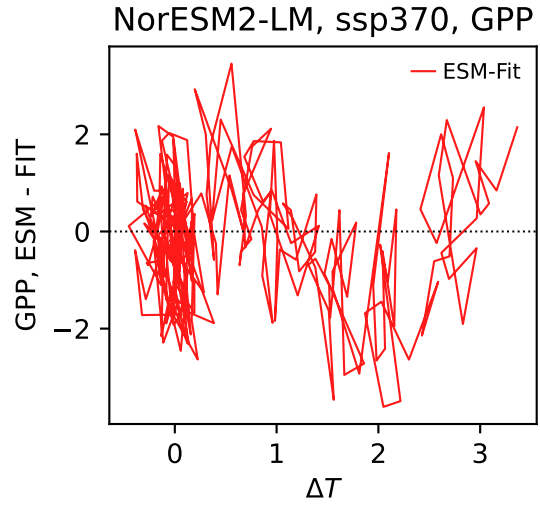

resp
55
50
45
40
35
1900
2000
2100
Year

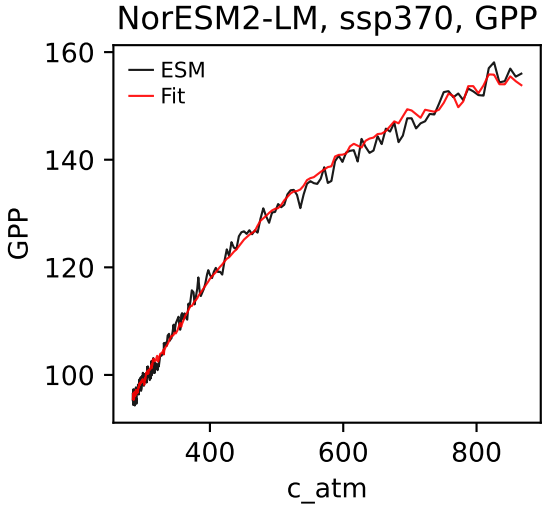

oflux
4
2
0
1900
2000
2100
Year

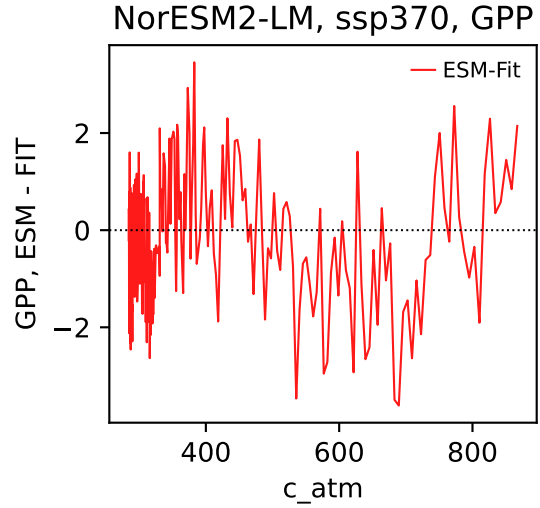

NorESM2-LM, ssp370, GPP
ESM
Fit
GPP
Year
160
140
120
100
1900
2000
2100

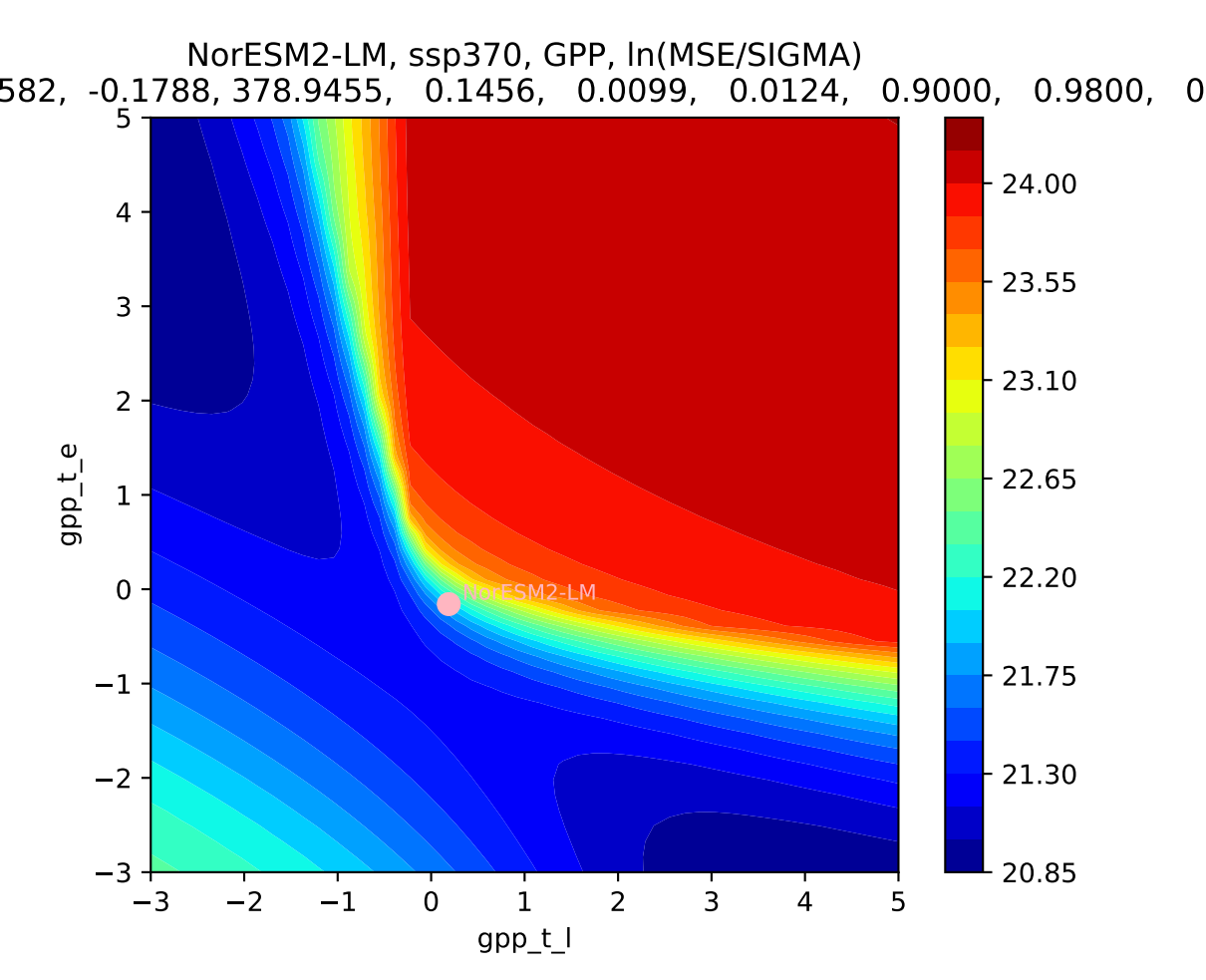

NorESM2-LM, ssp370, GPP
ESM-Fit
GPP, ESM - FIT
Year
2
0
−2
1900
2000
2100

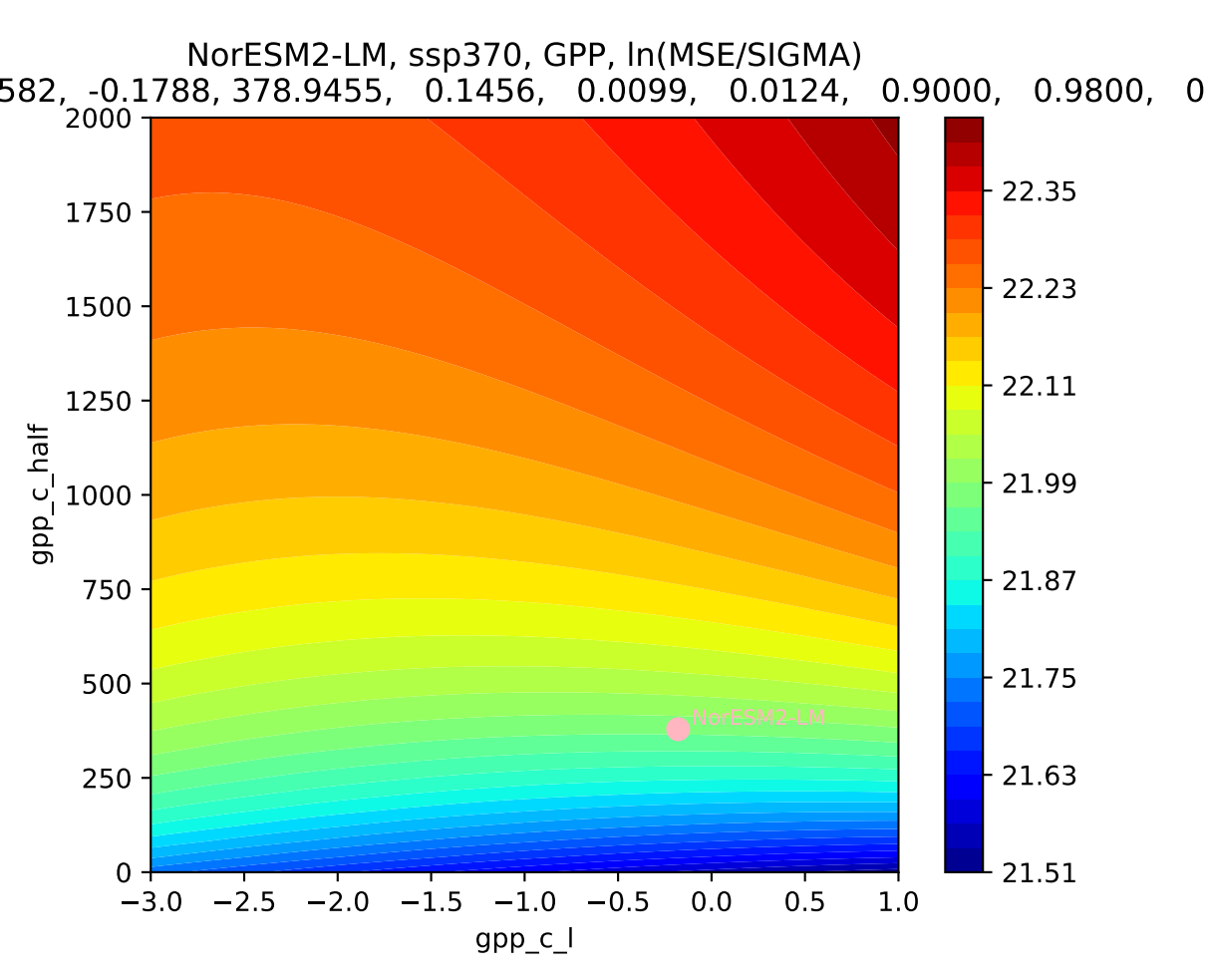

NorESM2-LM, ssp370, GPP
ESM
Fit
GPP
ΔT
160
140
120
100
0
1
2
3

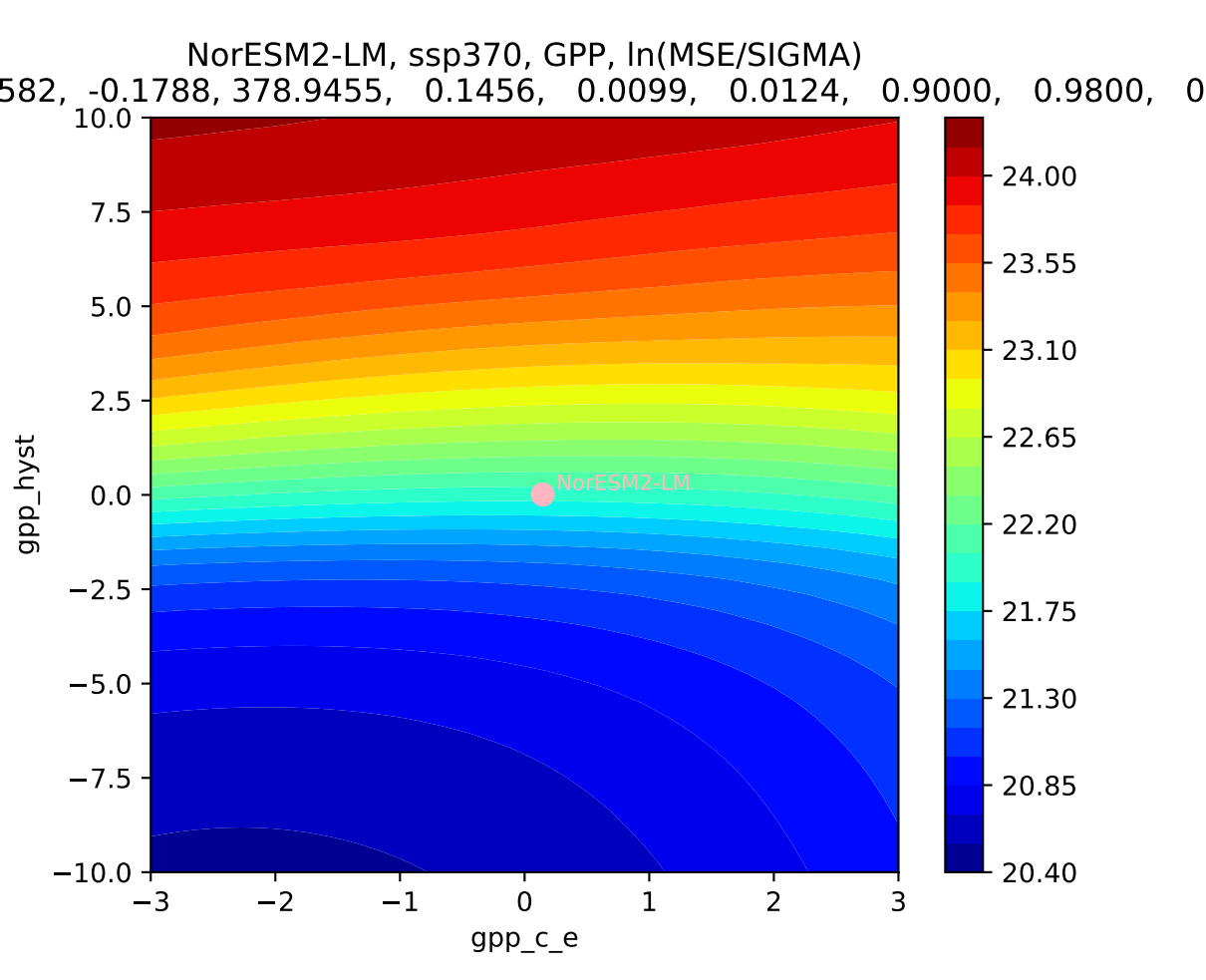

NorESM2-LM, ssp370, GPP
ESM-Fit
GPP, ESM - FIT
ΔT
2
0
−2
0
1
2
3

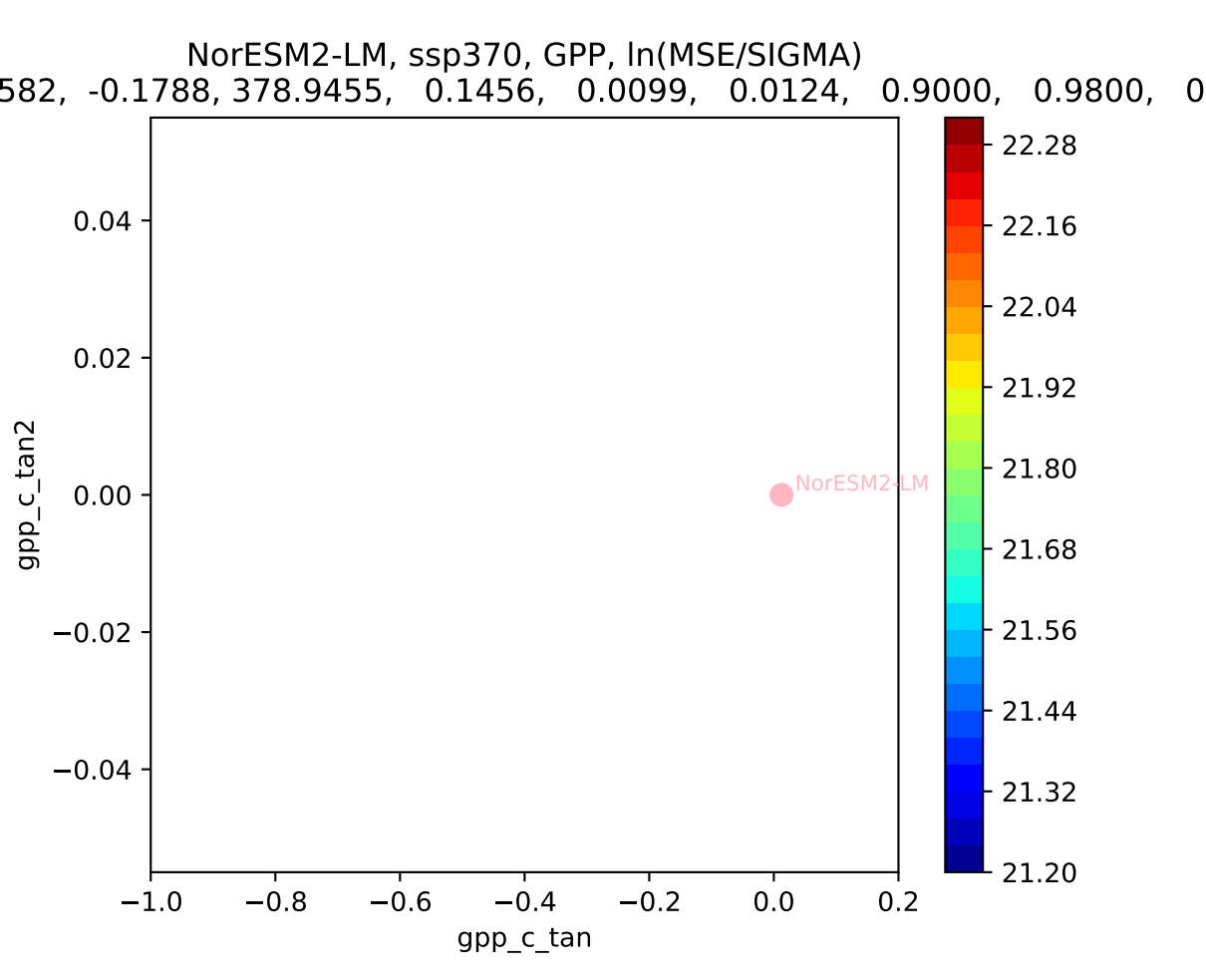

NorESM2-LM, ssp370, GPP
ESM
Fit
GPP
c_atm
160
140
120
100
400
600
800

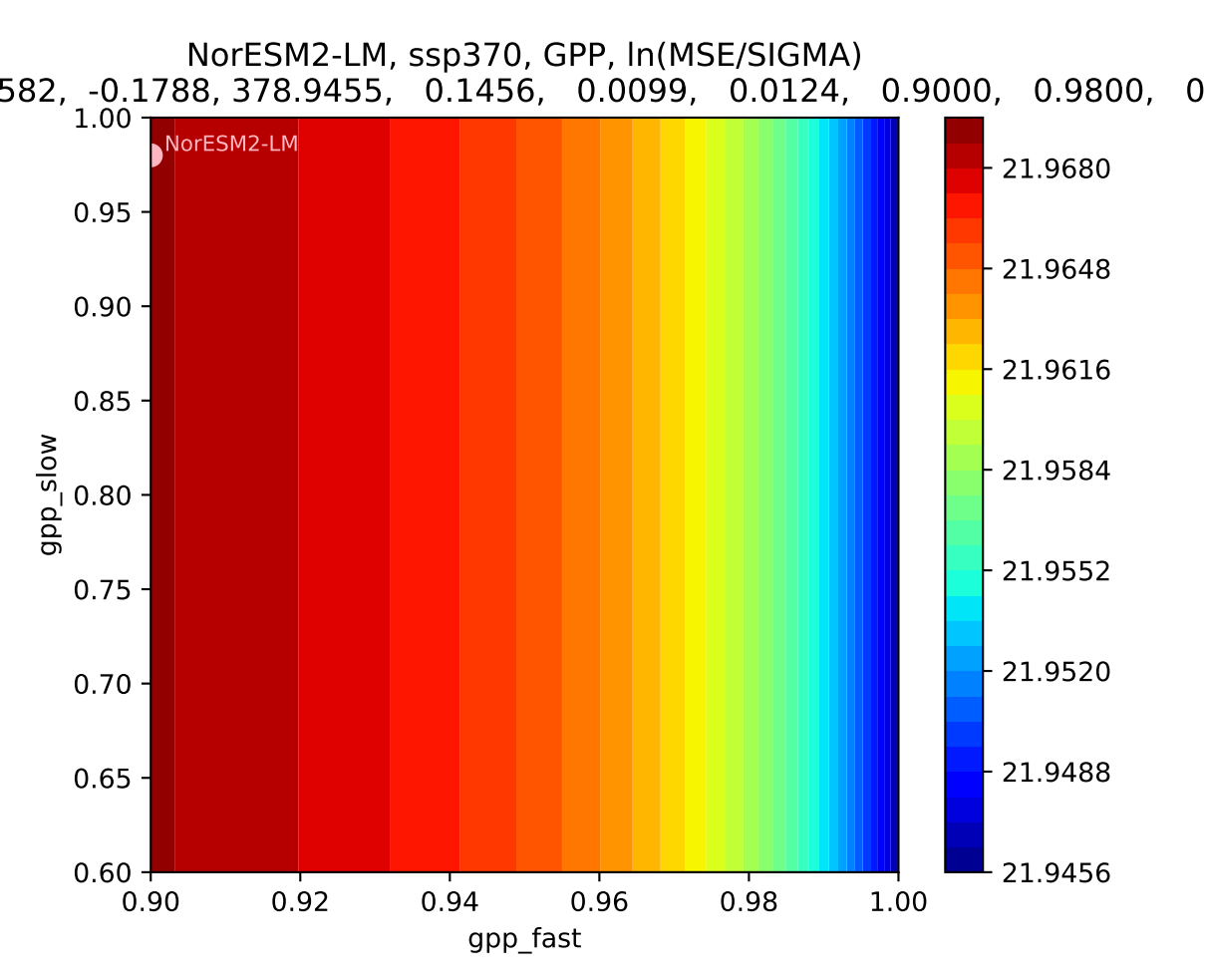

NorESM2-LM, ssp370, GPP
ESM-Fit
GPP, ESM - FIT
c_atm
2
0
−2
400
600
800

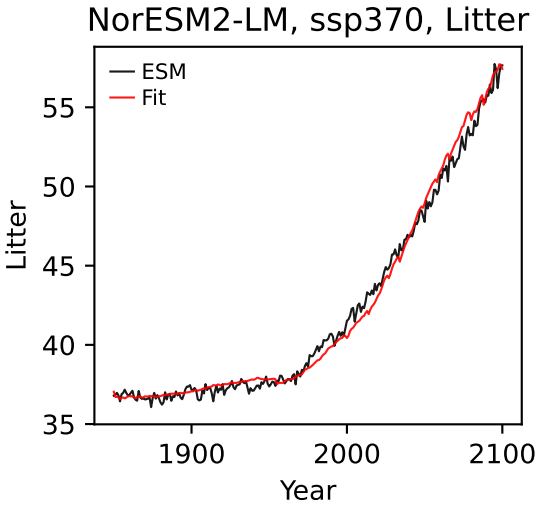

NorESM2-LM, ssp370, GPP, ln(MSE/SIGMA)
582, -0.1788, 378.9455, 0.1456, 0.0099, 0.0124, 0.9000, 0.9800, 0
gpp_t_e
gpp_t_l
NorESM2-LM
24.00
23.55
23.10
22.65
22.20
21.75
21.30
20.85

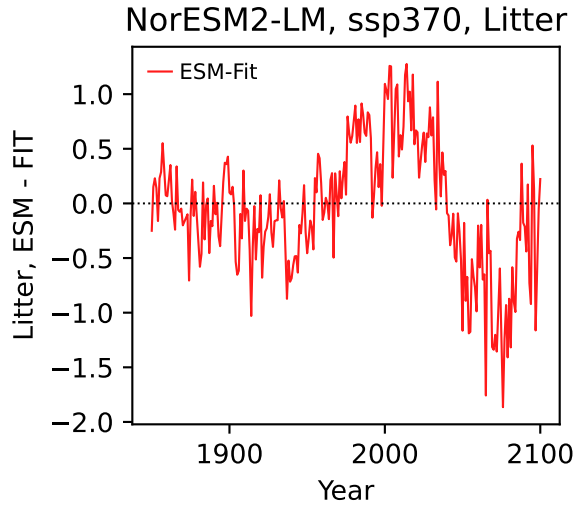

NorESM2-LM, ssp370, GPP, ln(MSE/SIGMA)
582, -0.1788, 378.9455, 0.1456, 0.0099, 0.0124, 0.9000, 0.9800, 0
gpp_c_half
gpp_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
22.35
22.23
22.11
21.99
21.87
21.75
21.63
21.51

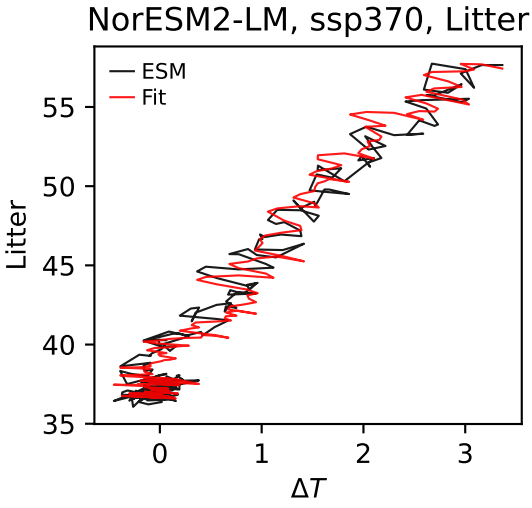

NorESM2-LM, ssp370, GPP, ln(MSE/SIGMA)
582, -0.1788, 378.9455, 0.1456, 0.0099, 0.0124, 0.9000, 0.9800, 0
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
gpp_hyst
NorESM2-LM
−3
−2
−1
0
1
2
3
gpp_c_e
24.00
23.55
23.10
22.65
22.20
21.75
21.30
20.85
20.40

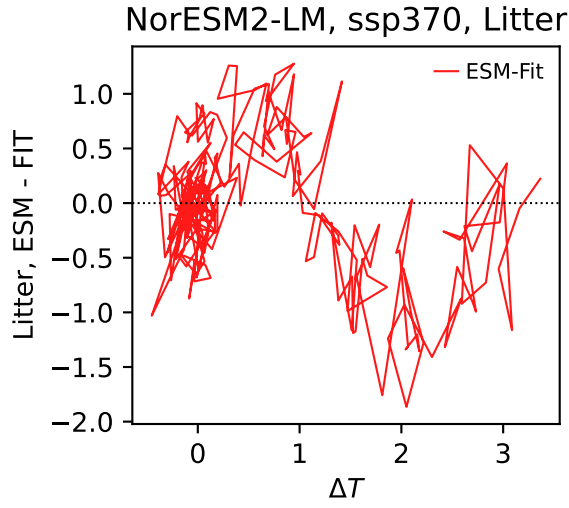

NorESM2-LM, ssp370, GPP, ln(MSE/SIGMA)
582, -0.1788, 378.9455, 0.1456, 0.0099, 0.0124, 0.9000, 0.9800, 0
gpp_c_tan2
gpp_c_tan
NorESM2-LM
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
22.28
22.16
22.04
21.92
21.80
21.68
21.56
21.44
21.32
21.20

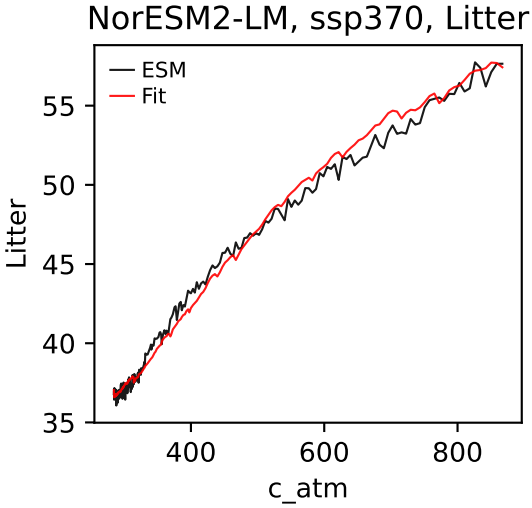

NorESM2-LM, ssp370, GPP, ln(MSE/SIGMA)
582, -0.1788, 378.9455, 0.1456, 0.0099, 0.0124, 0.9000, 0.9800, 0
NorESM2-LM
gpp_slow
gpp_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
21.9680
21.9648
21.9616
21.9584
21.9552
21.9520
21.9488
21.9456

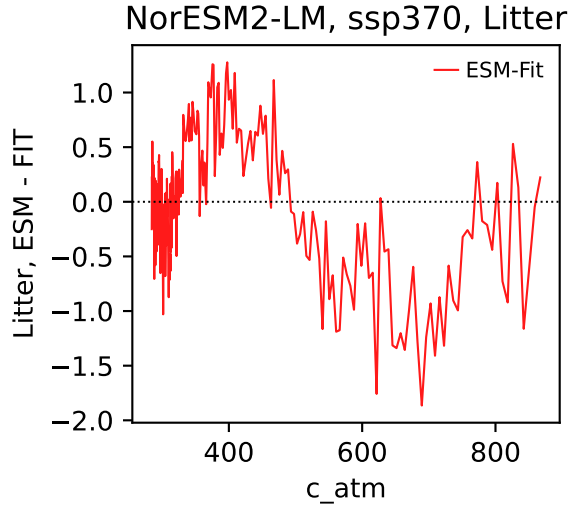

NorESM2-LM, ssp370, Litter
ESM
Fit
Litter
Year

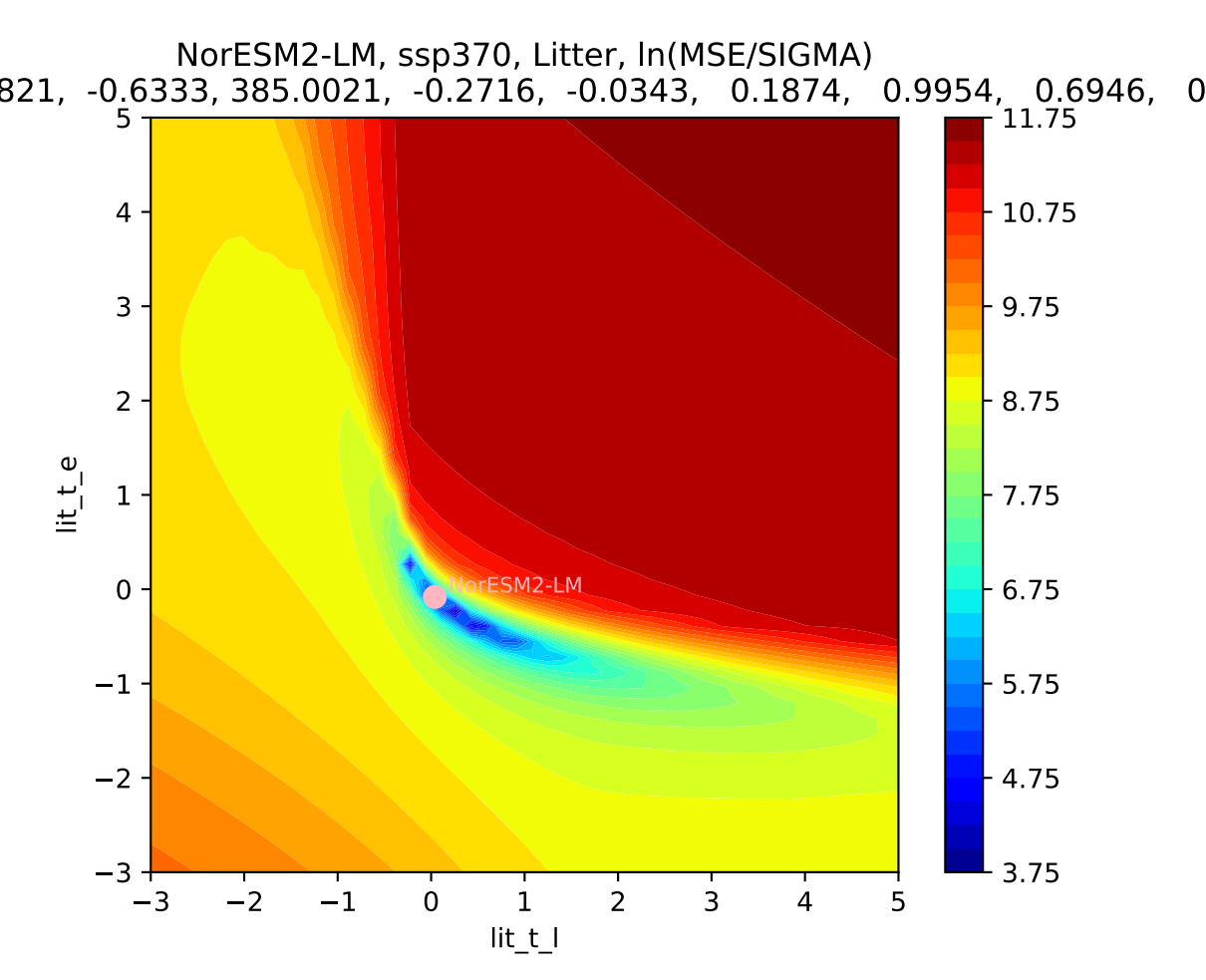

NorESM2-LM, ssp370, Litter
ESM-Fit
Litter, ESM - FIT
Year

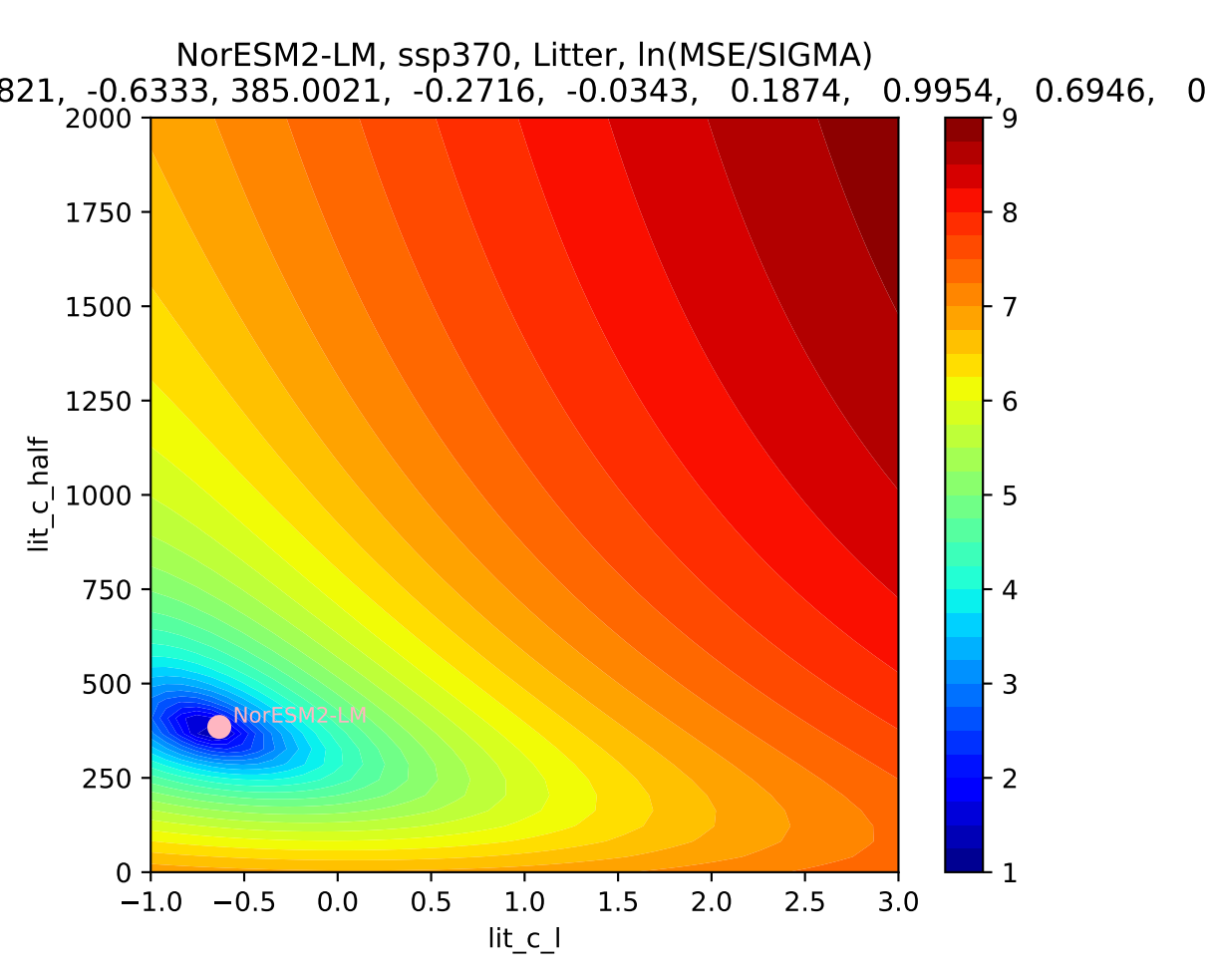

NorESM2-LM, ssp370, Litter
ESM
Fit
Litter
ΔT

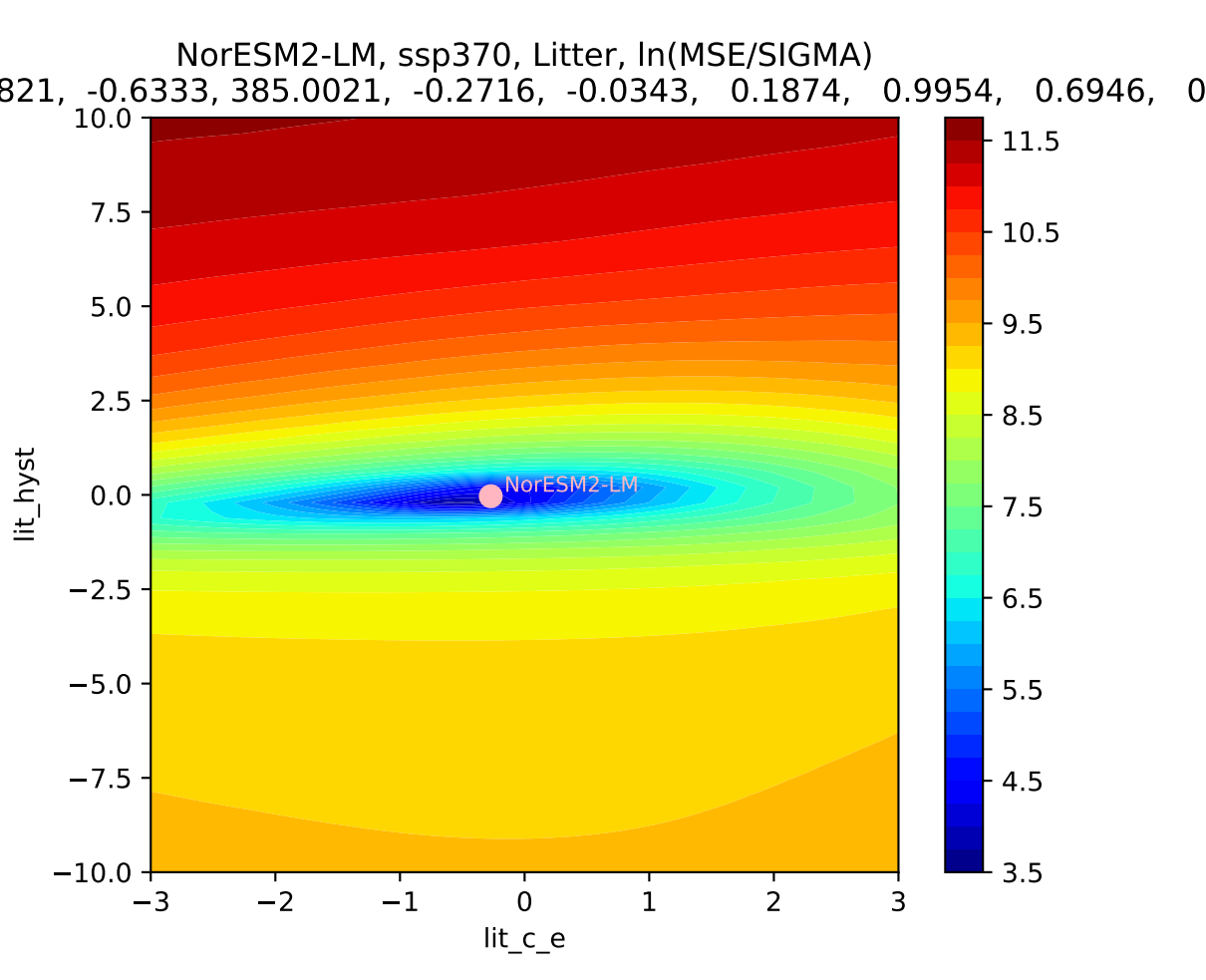

NorESM2-LM, ssp370, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

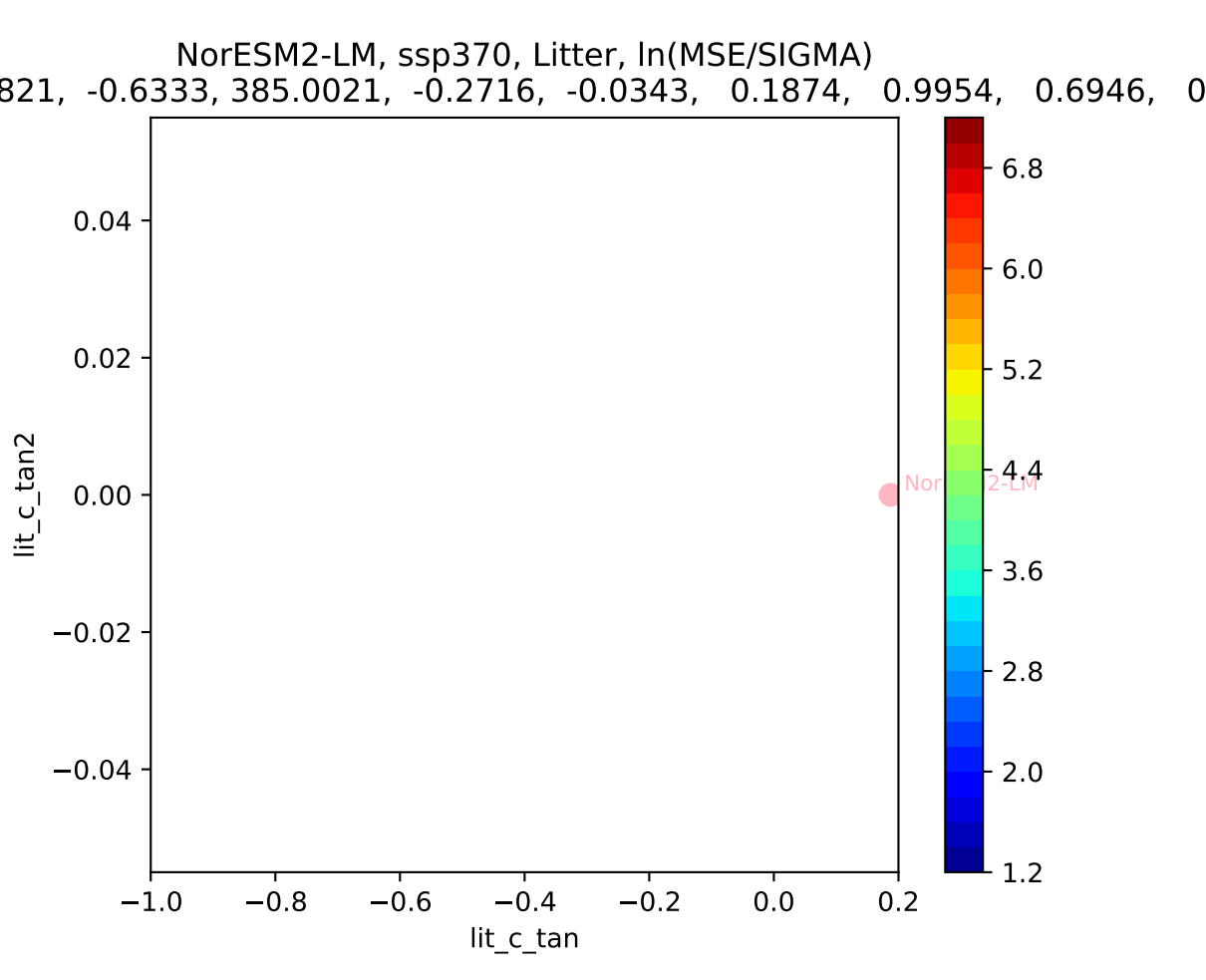

NorESM2-LM, ssp370, Litter
ESM
Fit
Litter
c_atm

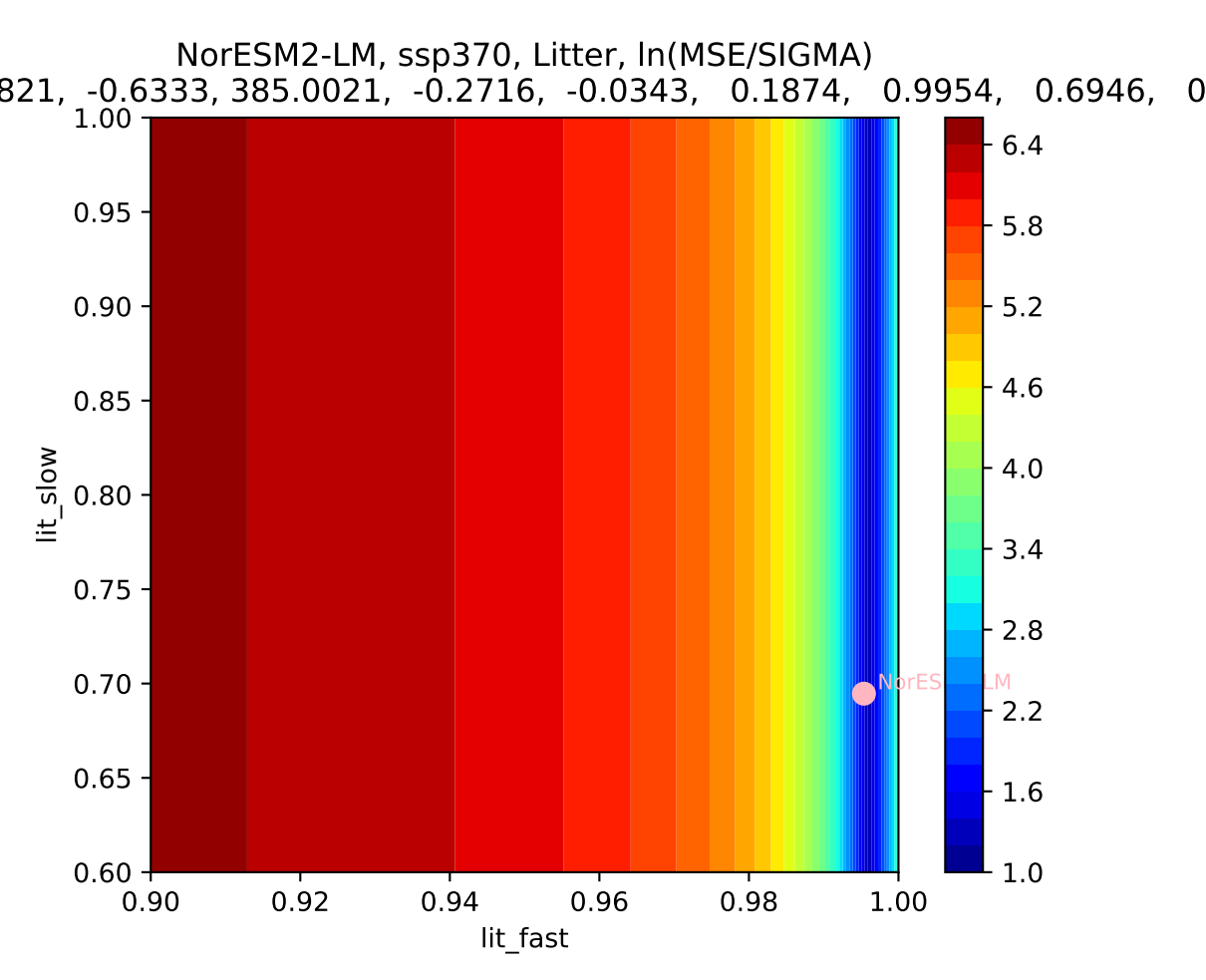

NorESM2-LM, ssp370, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

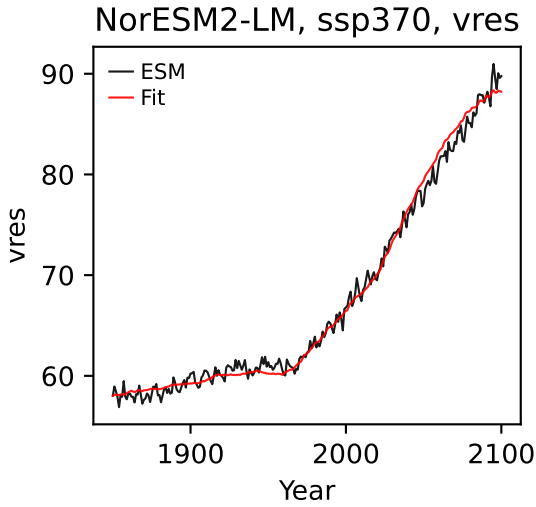

NorESM2-LM, ssp370, Litter, ln(MSE/SIGMA)
821, -0.6333, 385.0021, -0.2716, -0.0343, 0.1874, 0.9954, 0.6946, 0
lit_t_e
lit_t_l
NorESM2-LM
11.75
10.75
9.75
8.75
7.75
6.75
5.75
4.75
3.75

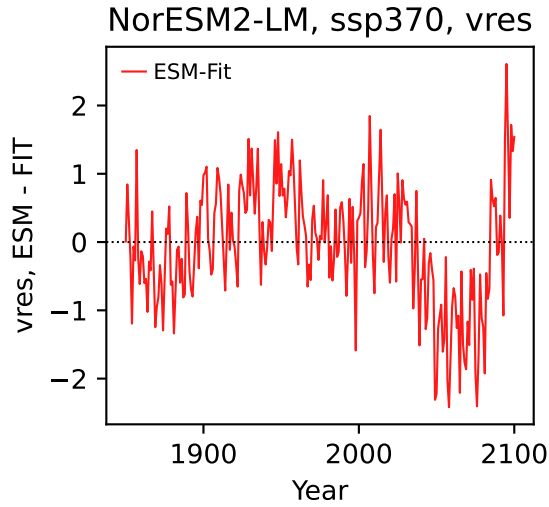

NorESM2-LM, ssp370, Litter, ln(MSE/SIGMA)
821, -0.6333, 385.0021, -0.2716, -0.0343, 0.1874, 0.9954, 0.6946, 0
lit_c_half
lit_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
9
8
7
6
5
4
3
2
1

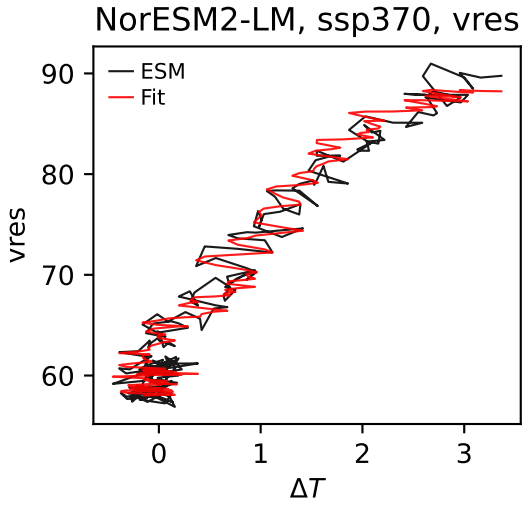

NorESM2-LM, ssp370, Litter, ln(MSE/SIGMA)
821, -0.6333, 385.0021, -0.2716, -0.0343, 0.1874, 0.9954, 0.6946, 0
NorESM2-LM
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.5
10.5
9.5
8.5
7.5
6.5
5.5
4.5
3.5

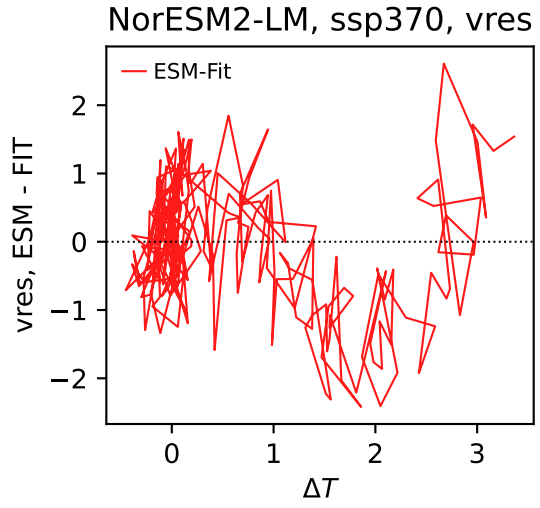

NorESM2-LM, ssp370, Litter, ln(MSE/SIGMA)
821, -0.6333, 385.0021, -0.2716, -0.0343, 0.1874, 0.9954, 0.6946, 0
0.04
0.02
0.00
−0.02
−0.04
lit_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
lit_c_tan
6.8
6.0
5.2
4.4
3.6
2.8
2.0
1.2

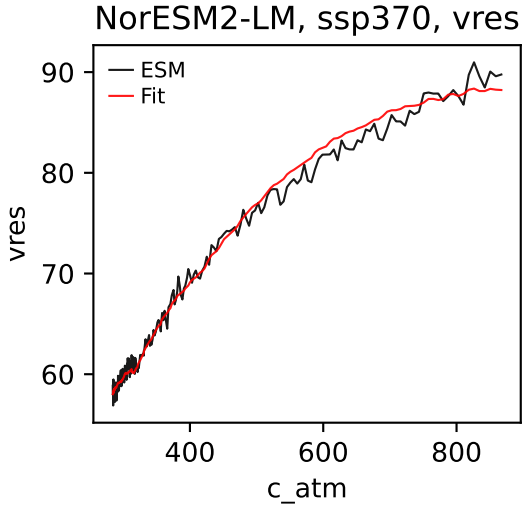

NorESM2-LM, ssp370, Litter, ln(MSE/SIGMA)
821, -0.6333, 385.0021, -0.2716, -0.0343, 0.1874, 0.9954, 0.6946, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
0.90
0.92
0.94
0.96
0.98
1.00
lit_fast
6.4
5.8
5.2
4.6
4.0
3.4
2.8
2.2
1.6
1.0

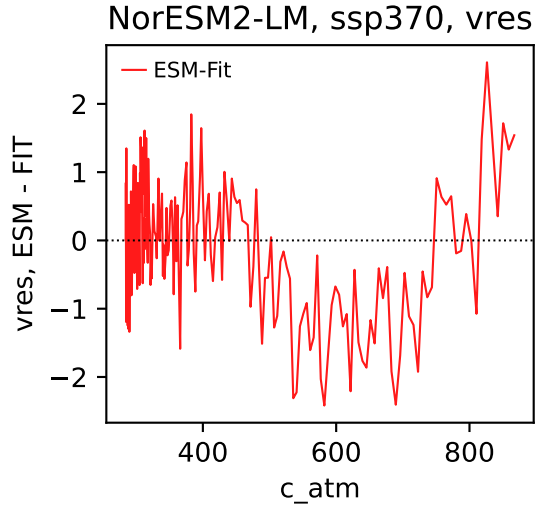

NorESM2-LM, ssp370, vres
ESM
Fit
vres
Year

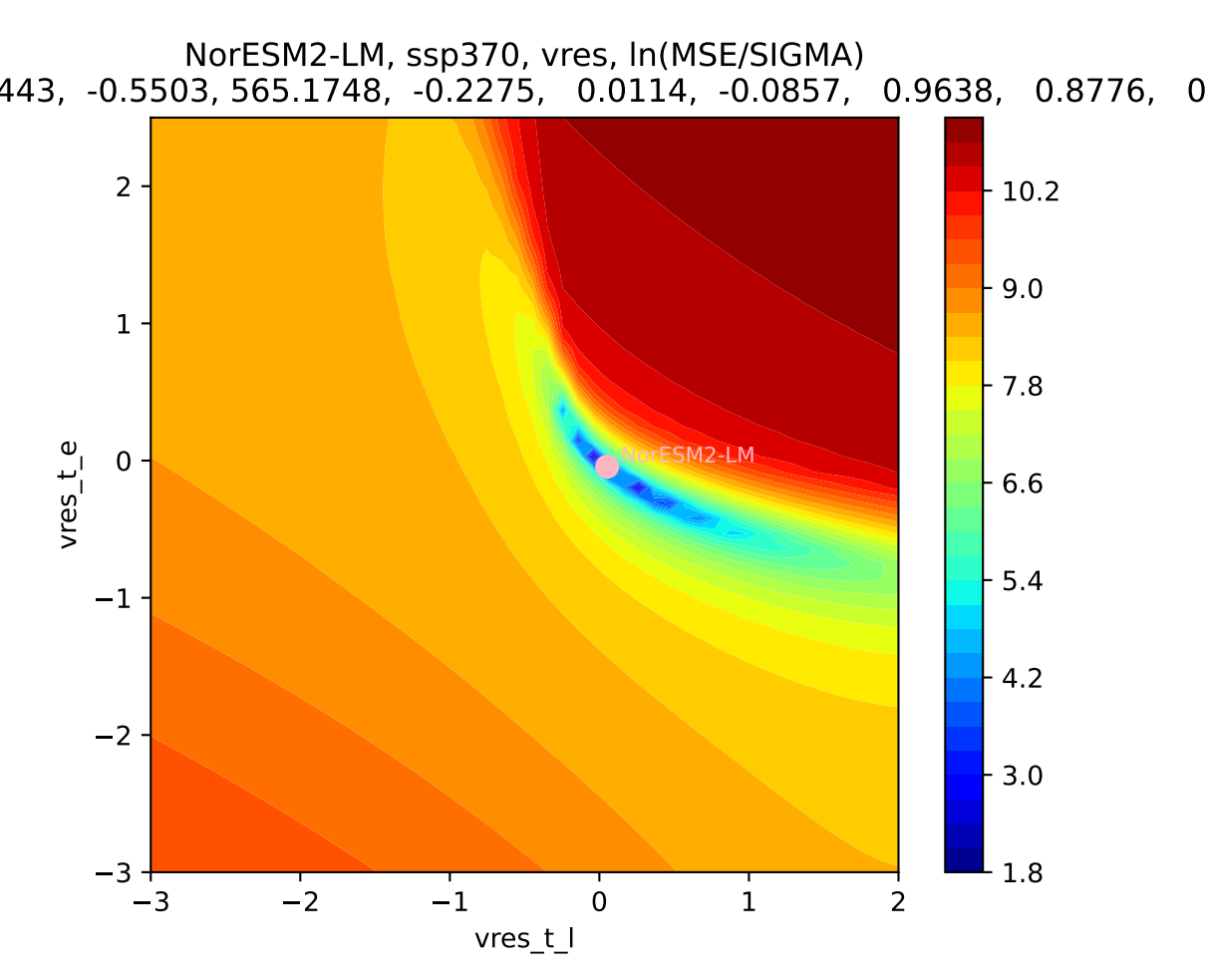

NorESM2-LM, ssp370, vres
ESM-Fit
vres, ESM - FIT
Year

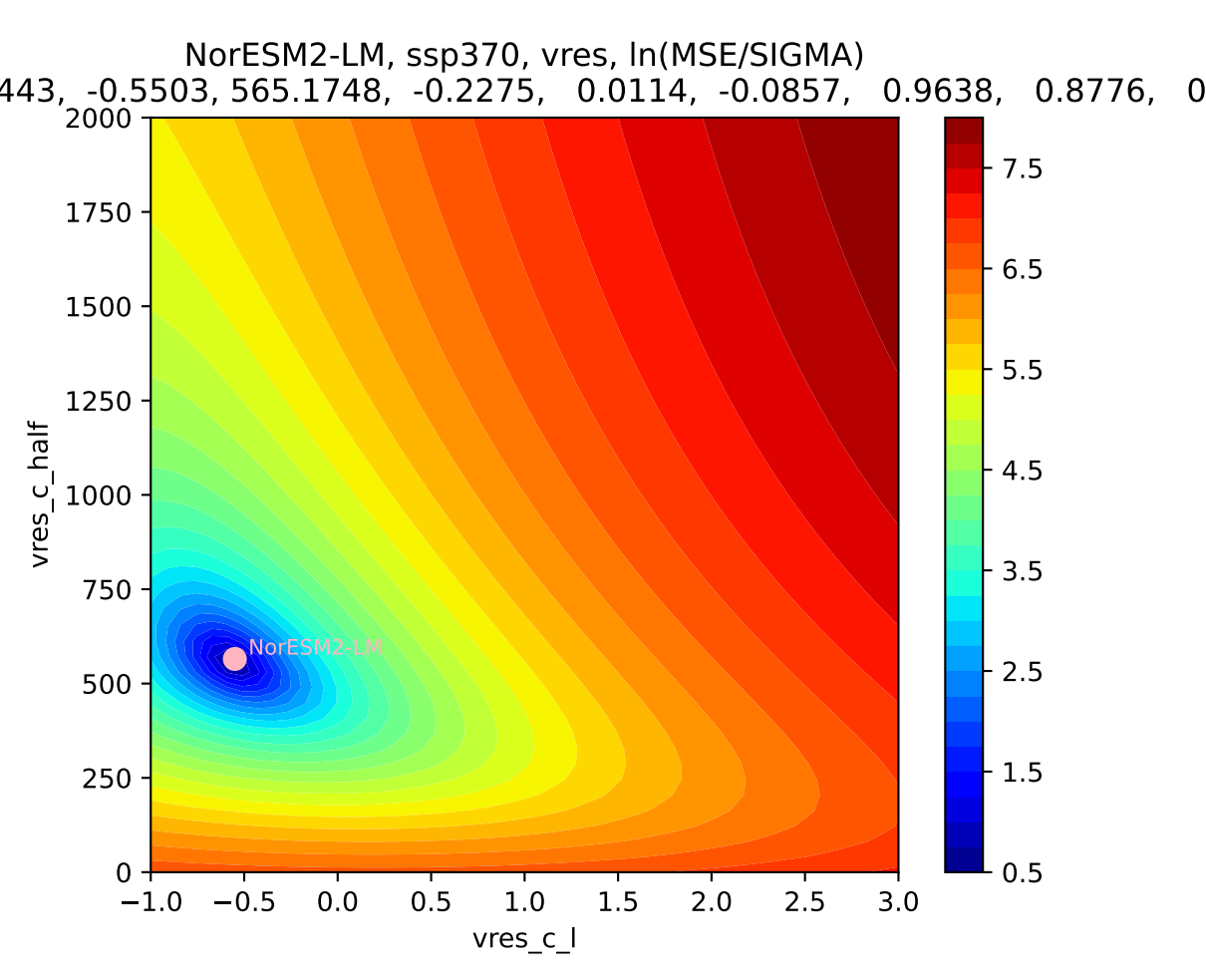

NorESM2-LM, ssp370, vres
ESM
Fit
vres
ΔT

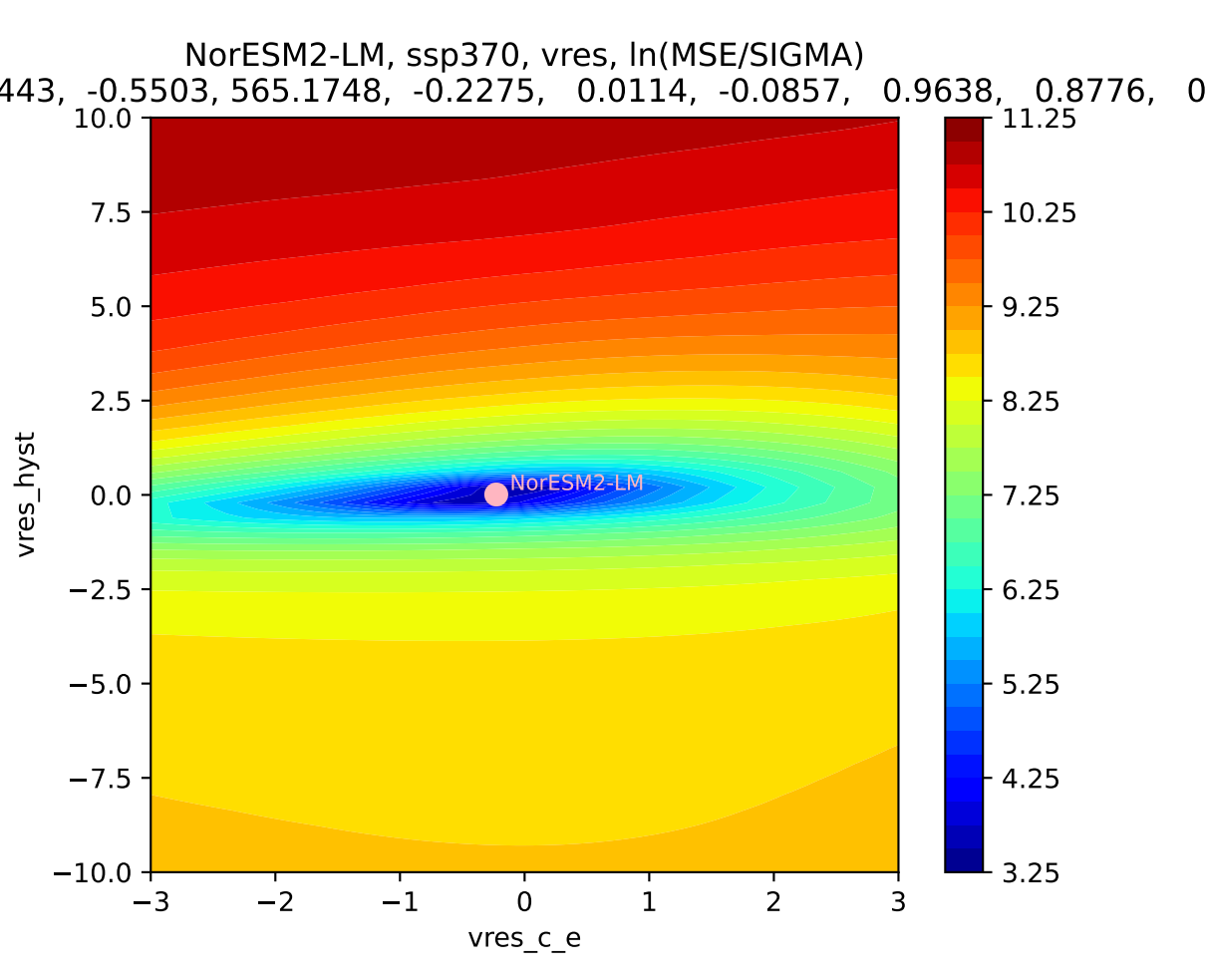

NorESM2-LM, ssp370, vres
ESM-Fit
vres, ESM - FIT
ΔT

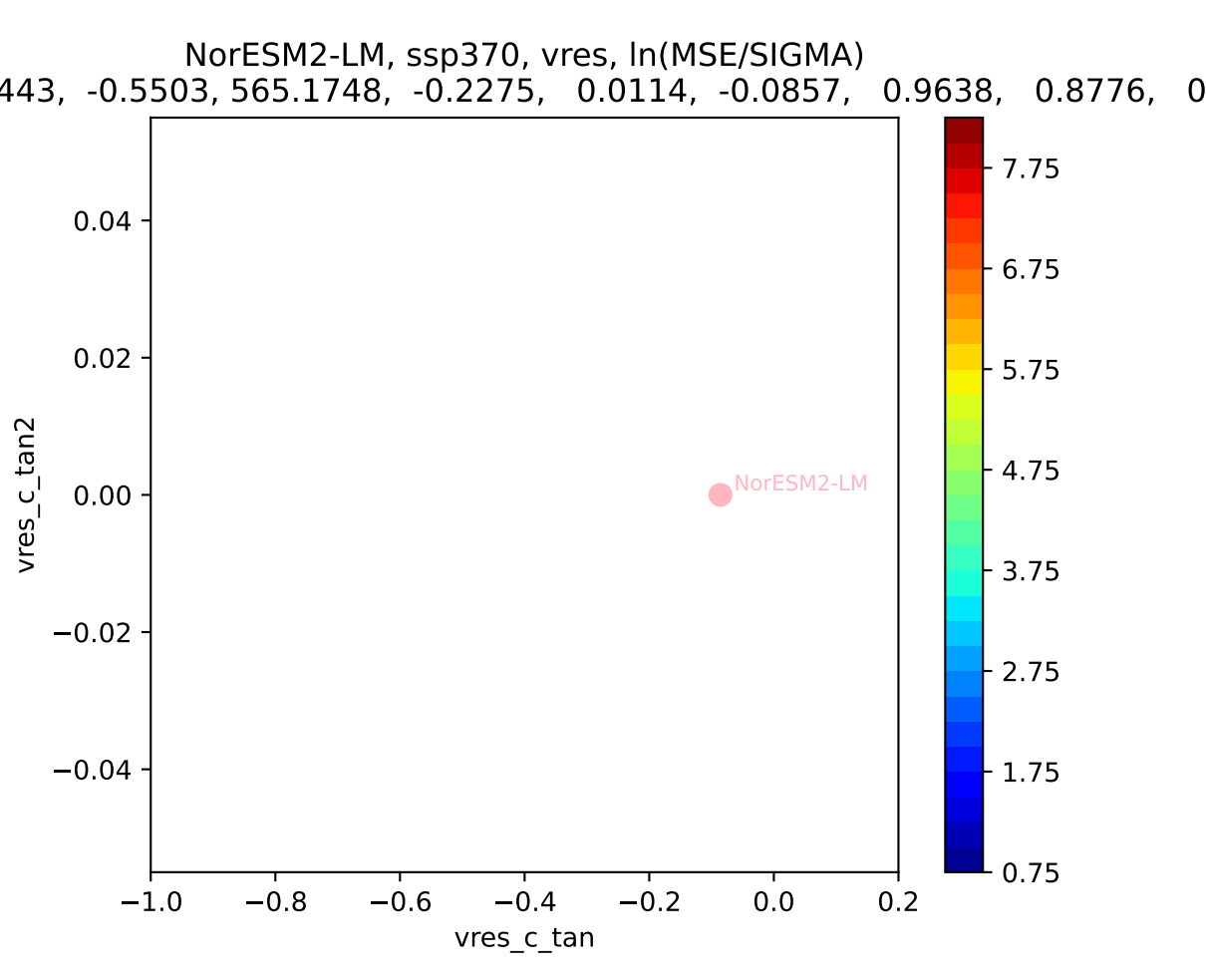

NorESM2-LM, ssp370, vres
ESM
Fit
vres
c_atm

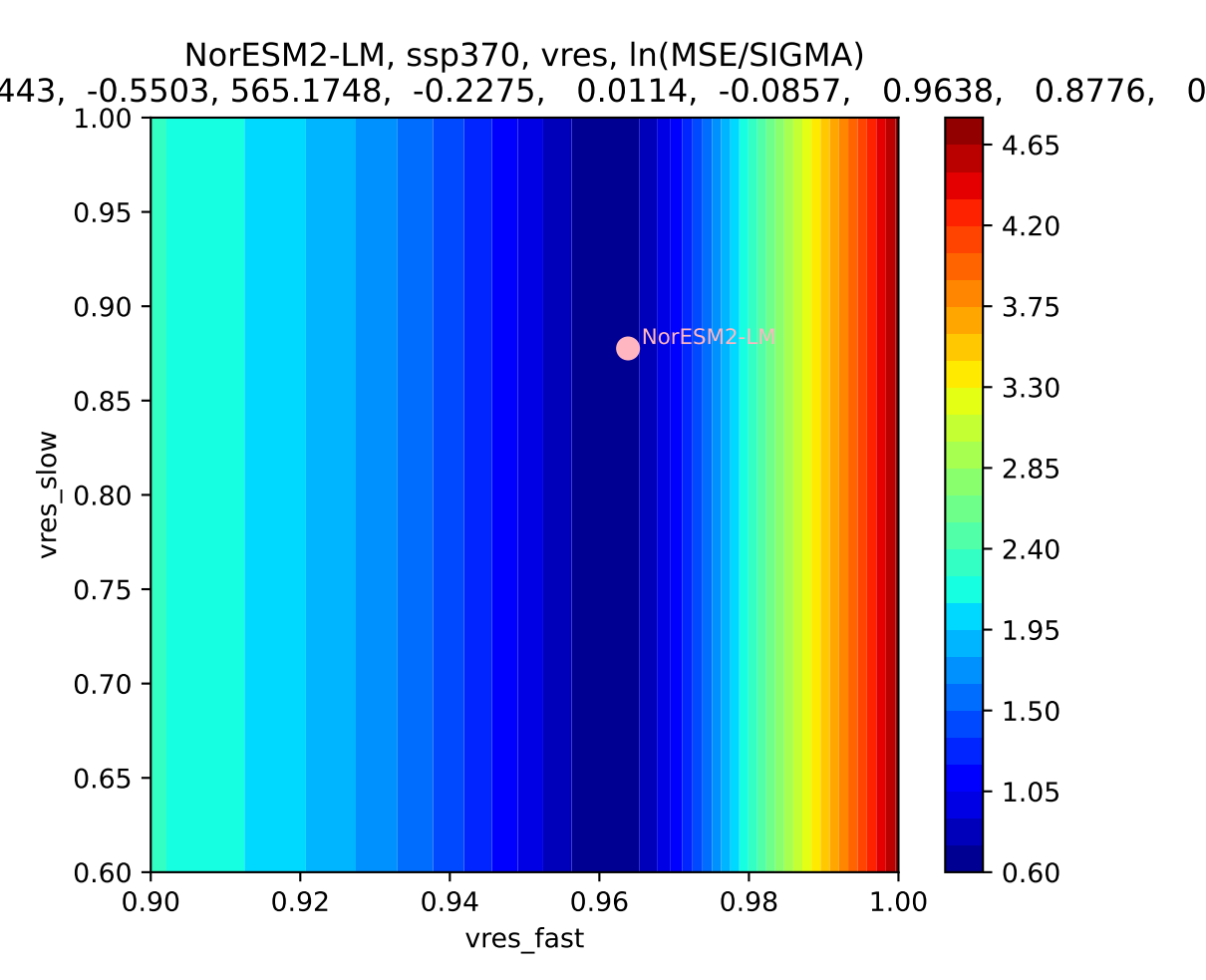

NorESM2-LM, ssp370, vres
ESM-Fit
vres, ESM - FIT
c_atm

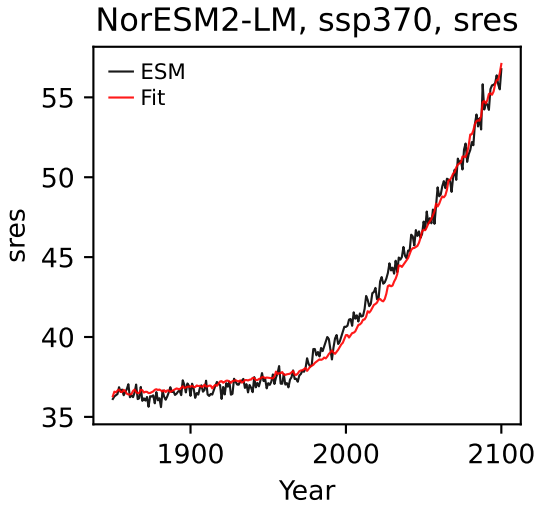

NorESM2-LM, ssp370, vres, ln(MSE/SIGMA)
443, -0.5503, 565.1748, -0.2275, 0.0114, -0.0857, 0.9638, 0.8776, 0
NorESM2-LM
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
10.2
9.0
7.8
6.6
5.4
4.2
3.0
1.8

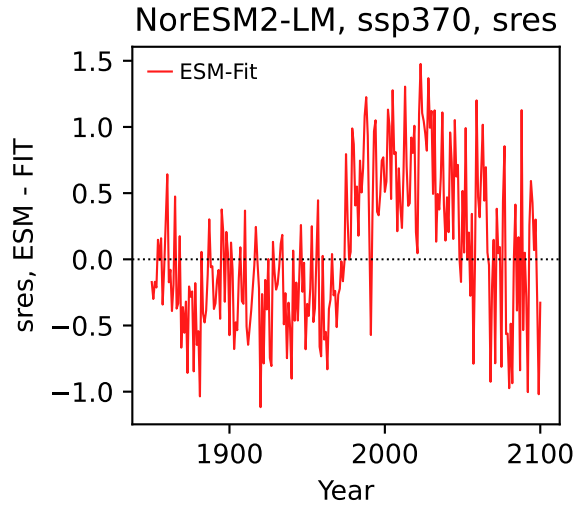

NorESM2-LM, ssp370, vres, ln(MSE/SIGMA)
443, -0.5503, 565.1748, -0.2275, 0.0114, -0.0857, 0.9638, 0.8776, 0
vres_c_half
vres_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7.5
6.5
5.5
4.5
3.5
2.5
1.5
0.5

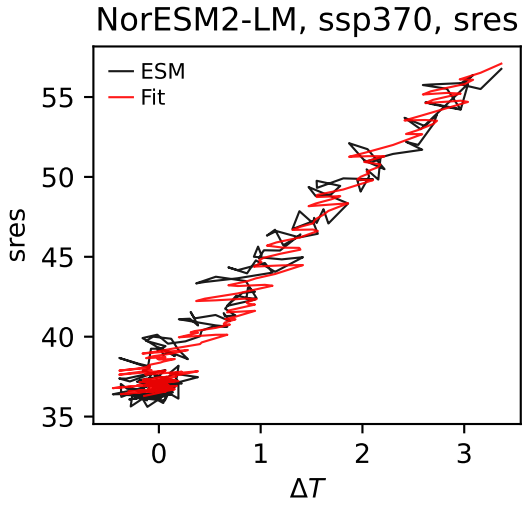

NorESM2-LM, ssp370, vres, ln(MSE/SIGMA)
443, -0.5503, 565.1748, -0.2275, 0.0114, -0.0857, 0.9638, 0.8776, 0
NorESM2-LM
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.25
10.25
9.25
8.25
7.25
6.25
5.25
4.25
3.25

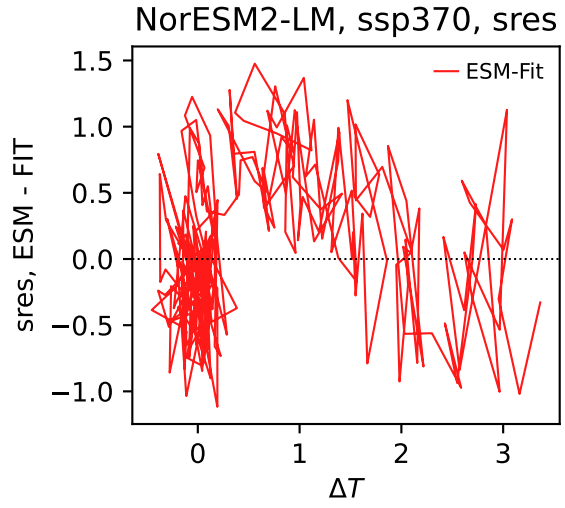

NorESM2-LM, ssp370, vres, ln(MSE/SIGMA)
443, -0.5503, 565.1748, -0.2275, 0.0114, -0.0857, 0.9638, 0.8776, 0
NorESM2-LM
0.04
0.02
0.00
−0.02
−0.04
vres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
vres_c_tan
7.75
6.75
5.75
4.75
3.75
2.75
1.75
0.75

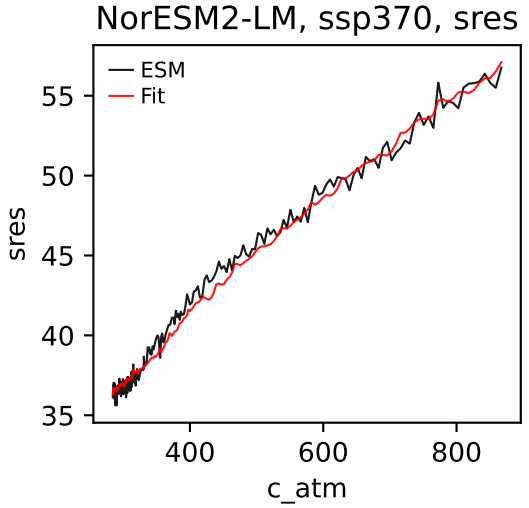

NorESM2-LM, ssp370, vres, ln(MSE/SIGMA)
443, -0.5503, 565.1748, -0.2275, 0.0114, -0.0857, 0.9638, 0.8776, 0
NorESM2-LM
vres_slow
vres_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
4.65
4.20
3.75
3.30
2.85
2.40
1.95
1.50
1.05
0.60

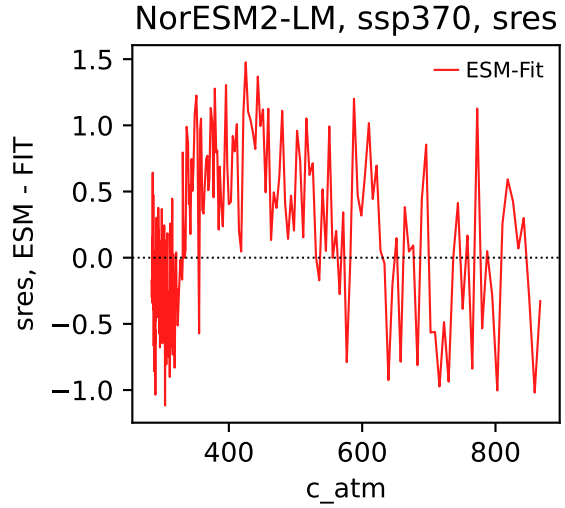

NorESM2-LM, ssp370, sres
ESM
Fit
sres
Year

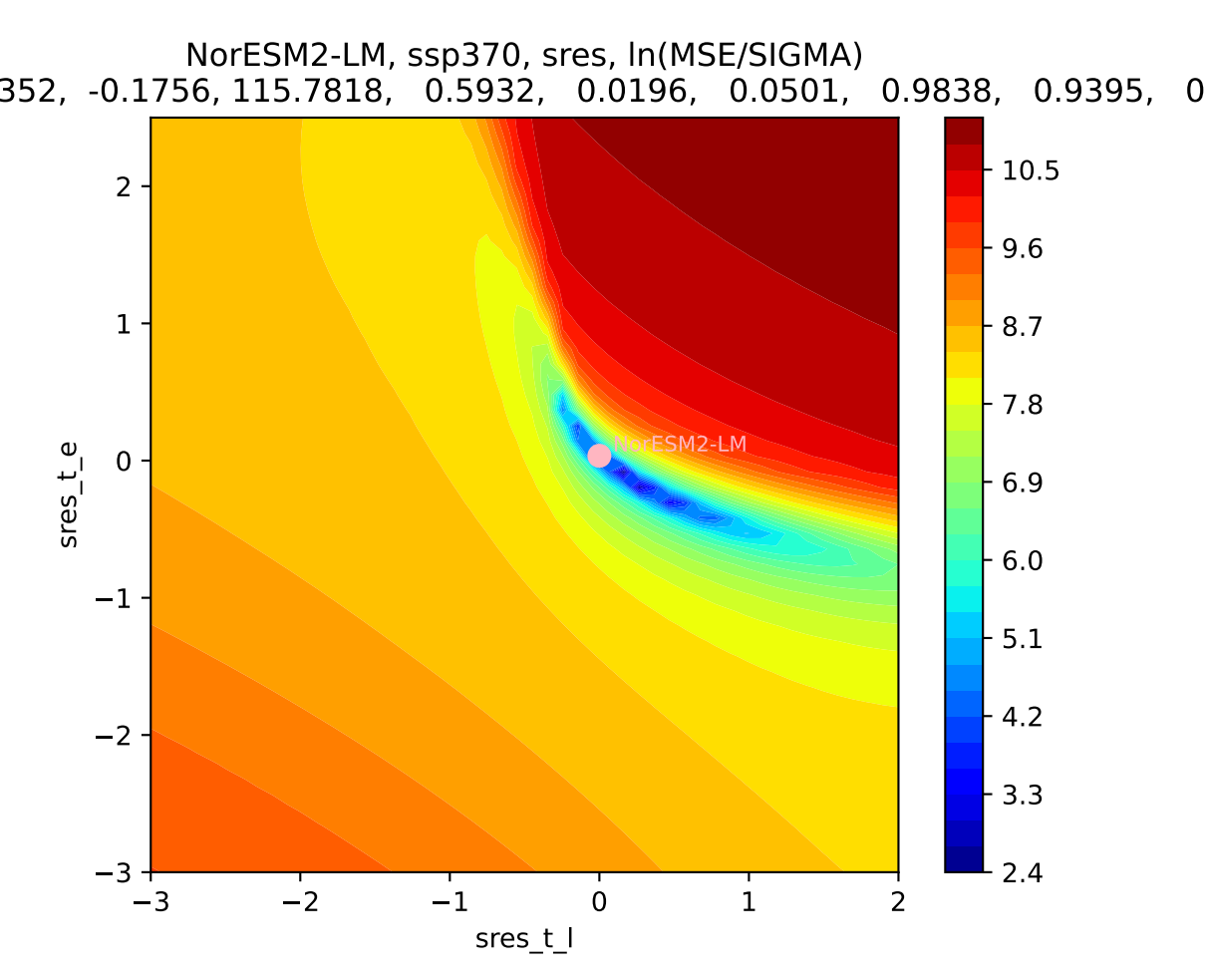

NorESM2-LM, ssp370, sres
ESM-Fit
sres, ESM - FIT
Year

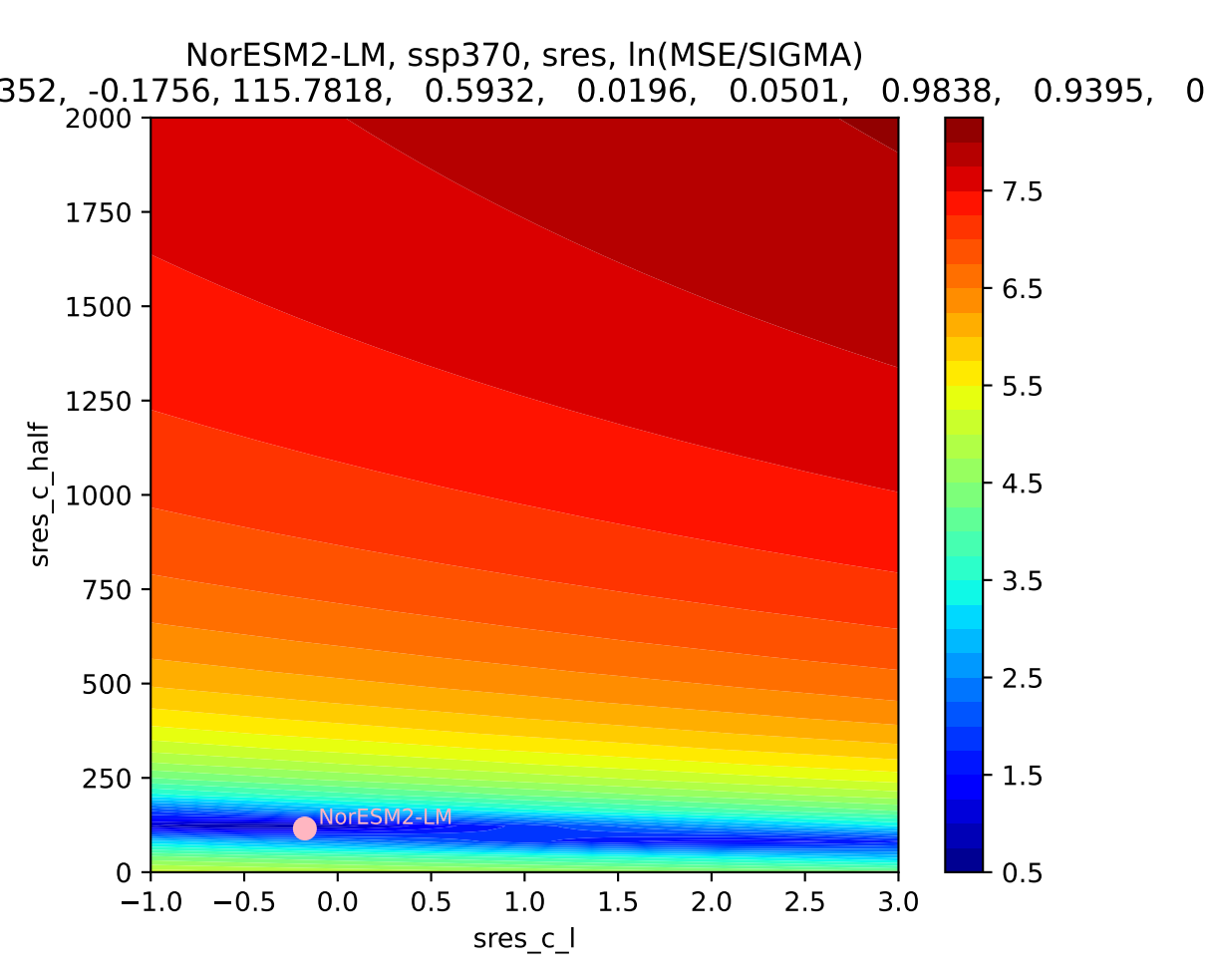

NorESM2-LM, ssp370, sres
ESM
Fit
sres
ΔT

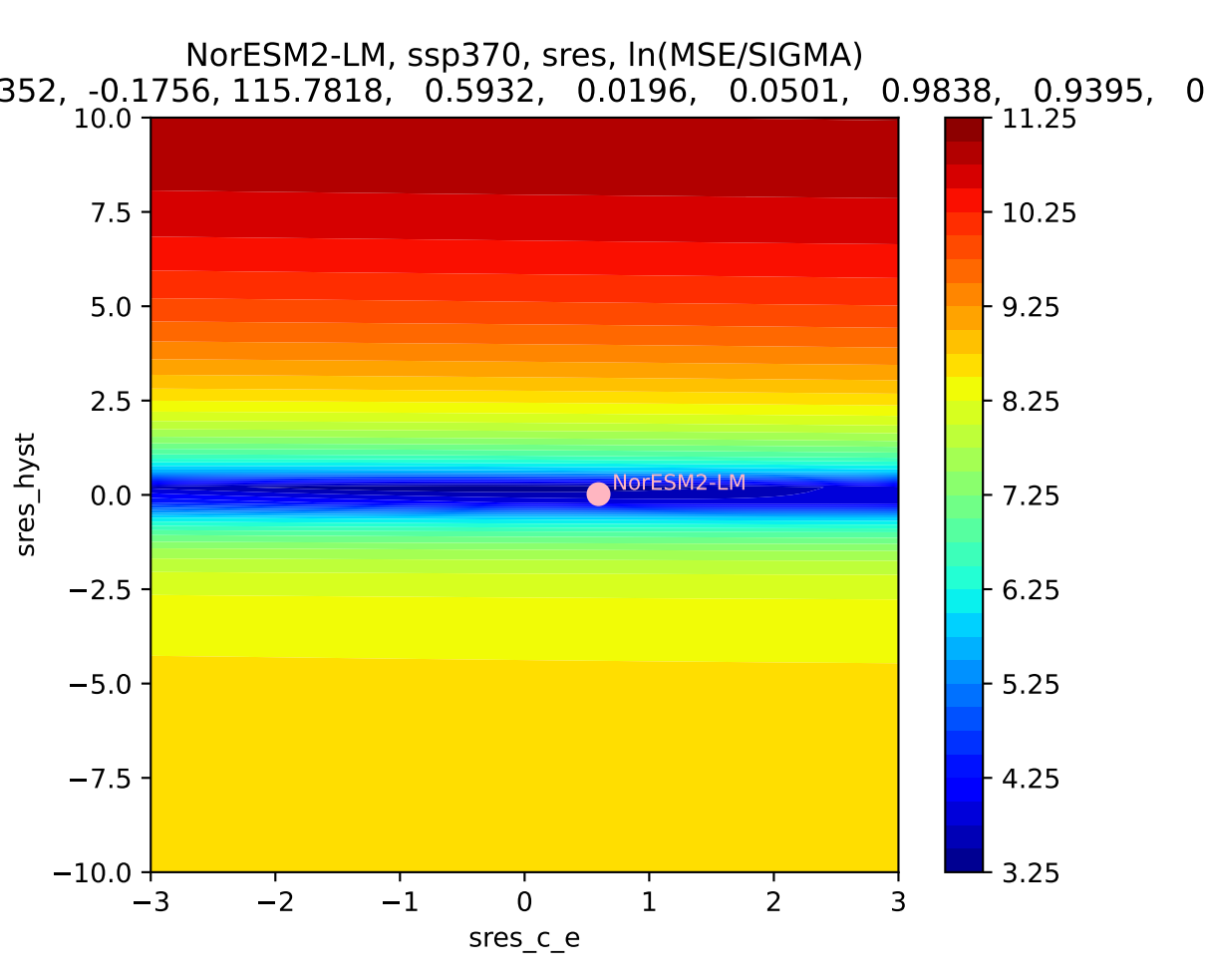

NorESM2-LM, ssp370, sres
ESM-Fit
sres, ESM - FIT
ΔT

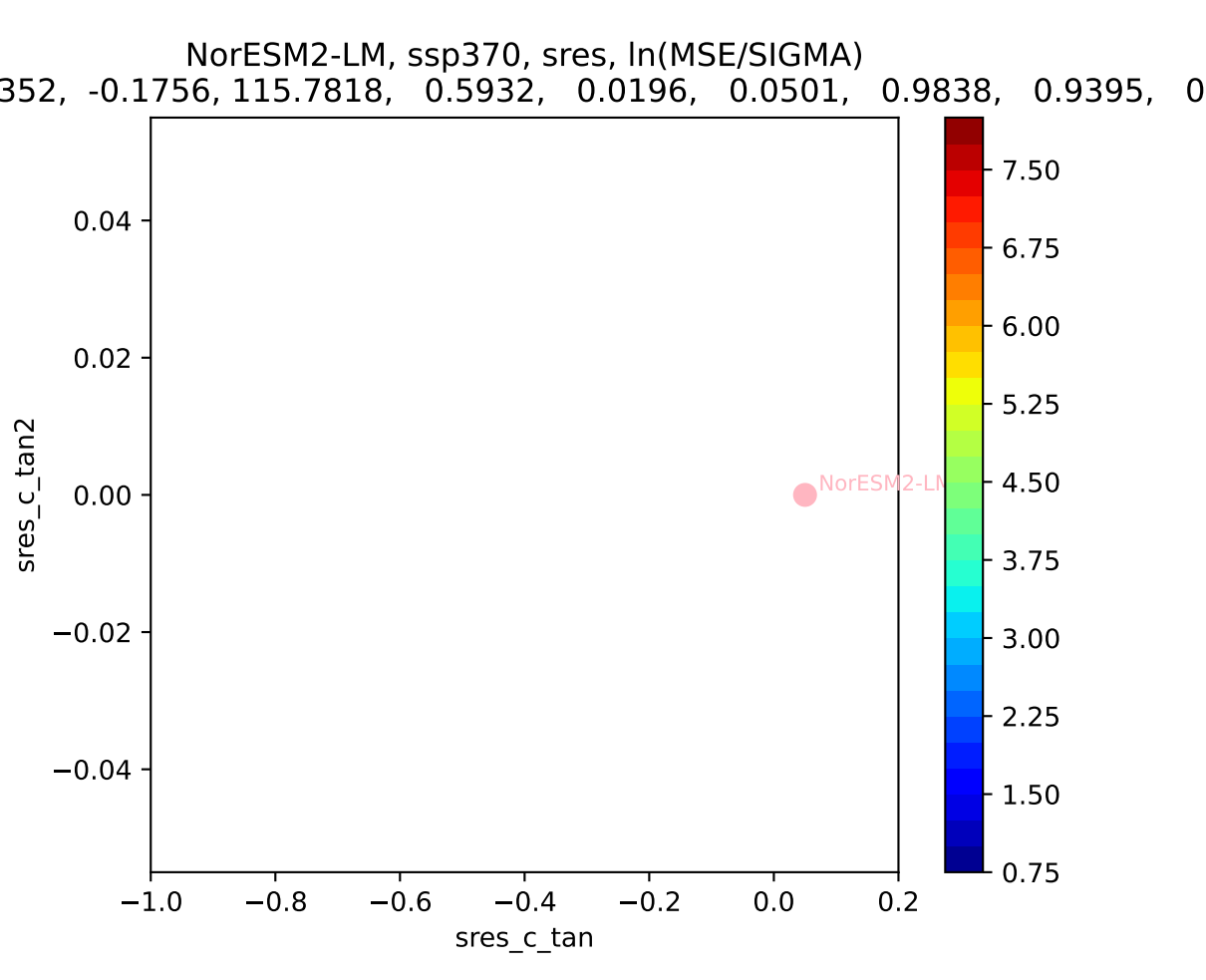

NorESM2-LM, ssp370, sres
ESM
Fit
sres
c_atm

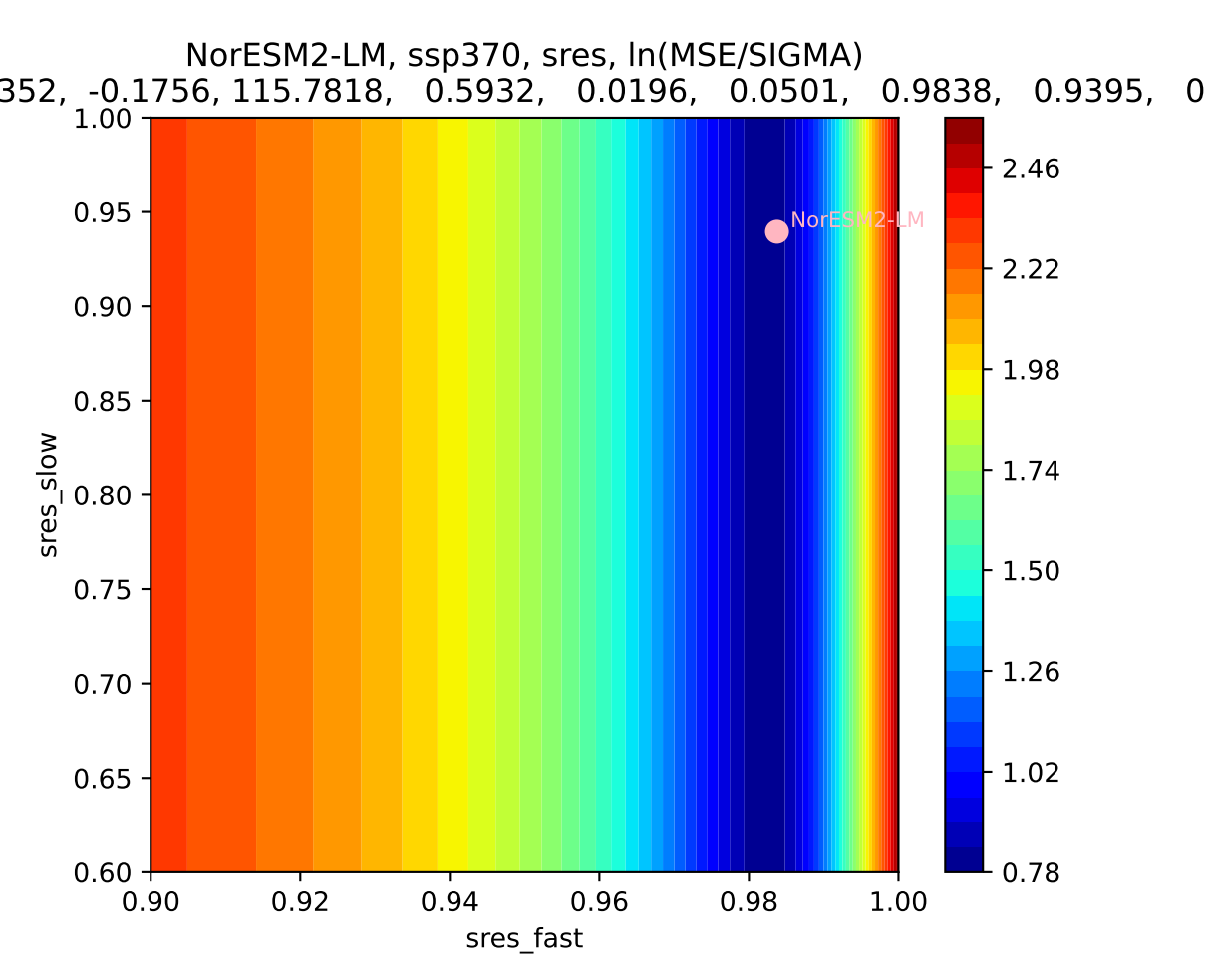

NorESM2-LM, ssp370, sres
ESM-Fit
sres, ESM - FIT
c_atm

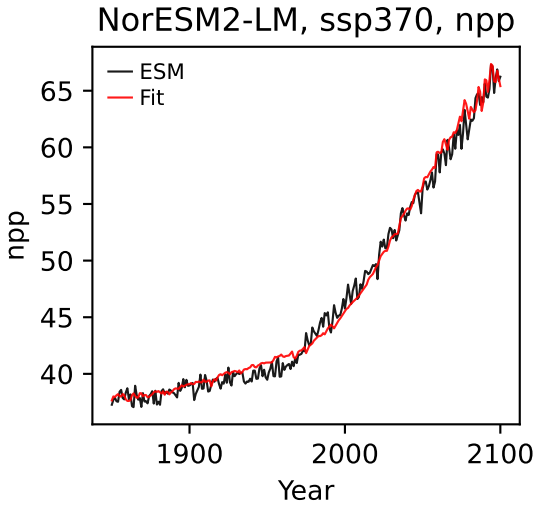

NorESM2-LM, ssp370, sres, ln(MSE/SIGMA)
352, -0.1756, 115.7818, 0.5932, 0.0196, 0.0501, 0.9838, 0.9395, 0
NorESM2-LM
sres_t_e
sres_t_l
−3
−2
−1
0
1
2
10.5
9.6
8.7
7.8
6.9
6.0
5.1
4.2
3.3
2.4

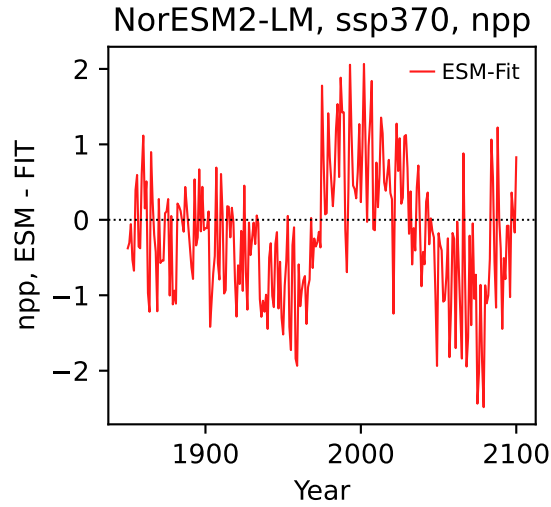

NorESM2-LM, ssp370, sres, ln(MSE/SIGMA)
352, -0.1756, 115.7818, 0.5932, 0.0196, 0.0501, 0.9838, 0.9395, 0
sres_c_half
sres_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7.5
6.5
5.5
4.5
3.5
2.5
1.5
0.5

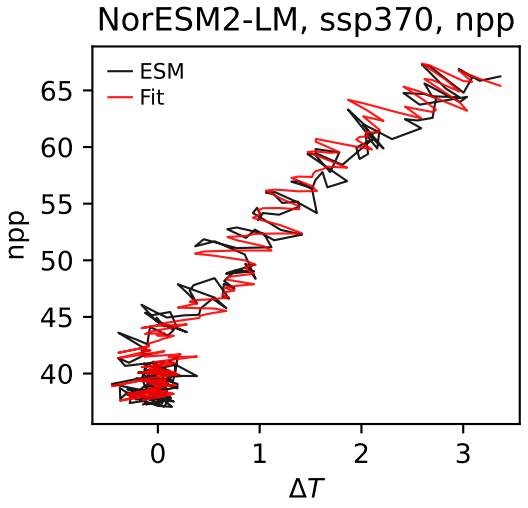

NorESM2-LM, ssp370, sres, ln(MSE/SIGMA)
352, -0.1756, 115.7818, 0.5932, 0.0196, 0.0501, 0.9838, 0.9395, 0
NorESM2-LM
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.25
10.25
9.25
8.25
7.25
6.25
5.25
4.25
3.25

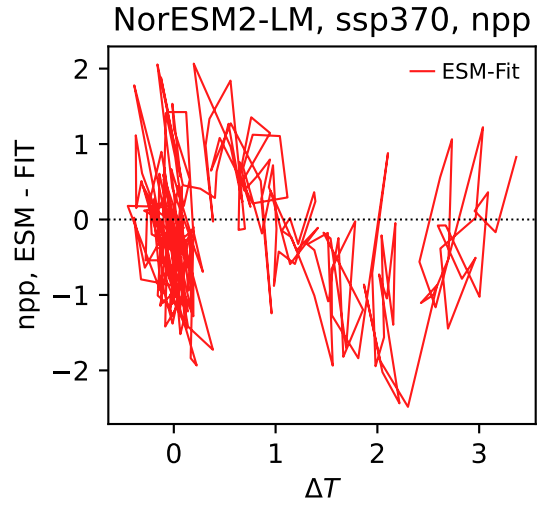

NorESM2-LM, ssp370, sres, ln(MSE/SIGMA)
352, -0.1756, 115.7818, 0.5932, 0.0196, 0.0501, 0.9838, 0.9395, 0
NorESM2-LM
sres_c_tan2
sres_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
7.50
6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75

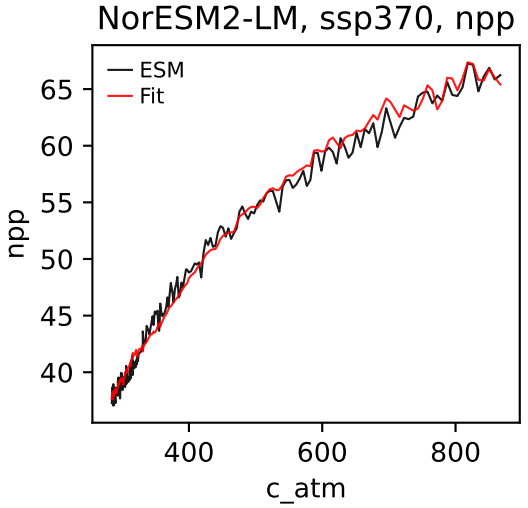

NorESM2-LM, ssp370, sres, ln(MSE/SIGMA)
352, -0.1756, 115.7818, 0.5932, 0.0196, 0.0501, 0.9838, 0.9395, 0
NorESM2-LM
sres_slow
sres_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
2.46
2.22
1.98
1.74
1.50
1.26
1.02
0.78

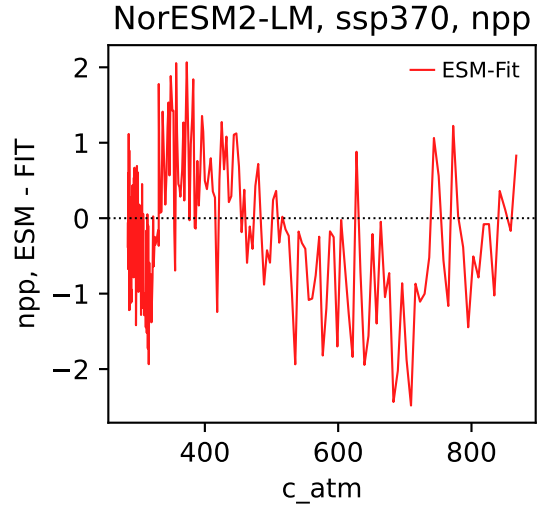

NorESM2-LM, ssp370, npp
ESM
Fit
npp
Year

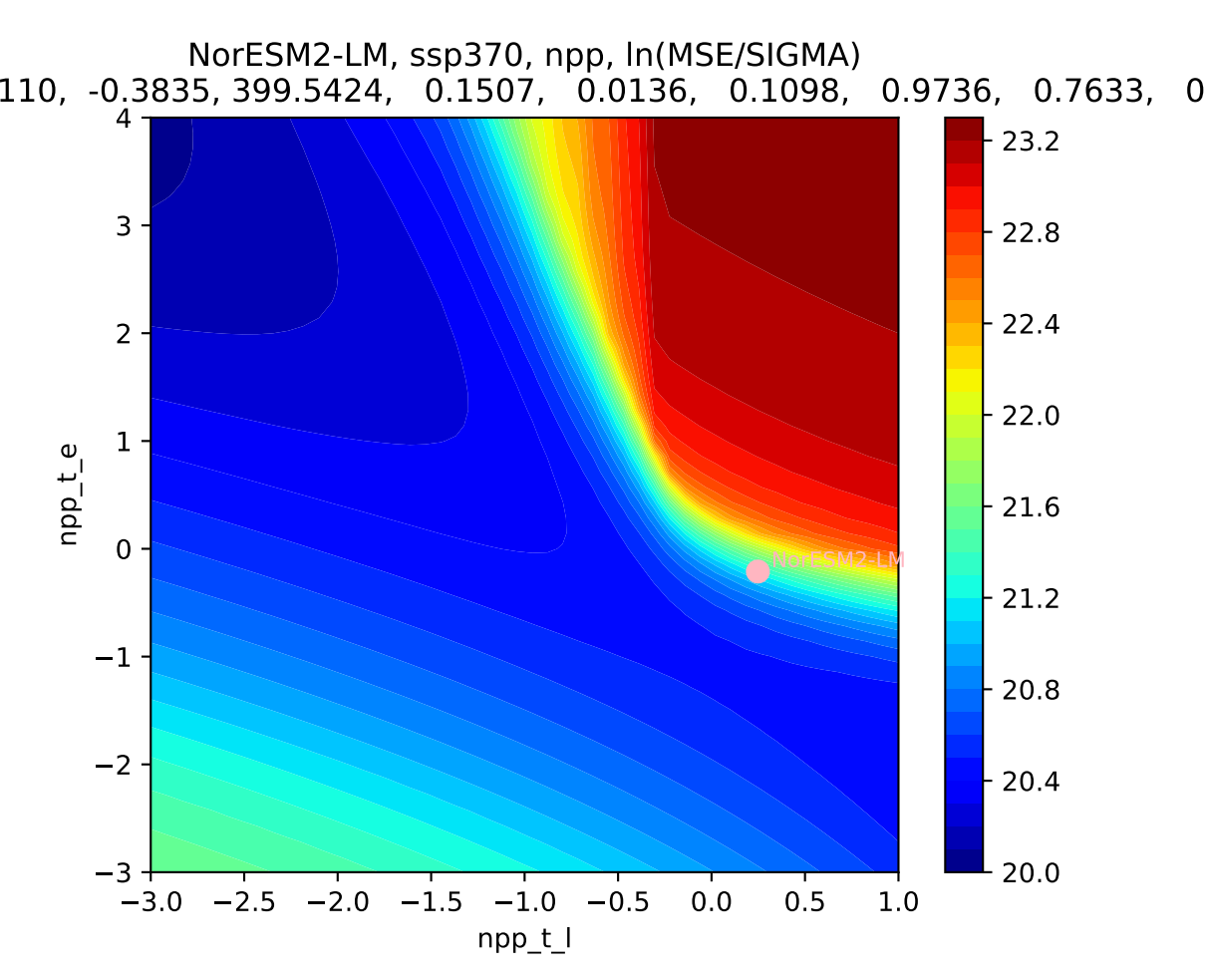

NorESM2-LM, ssp370, npp
ESM-Fit
npp, ESM - FIT
Year

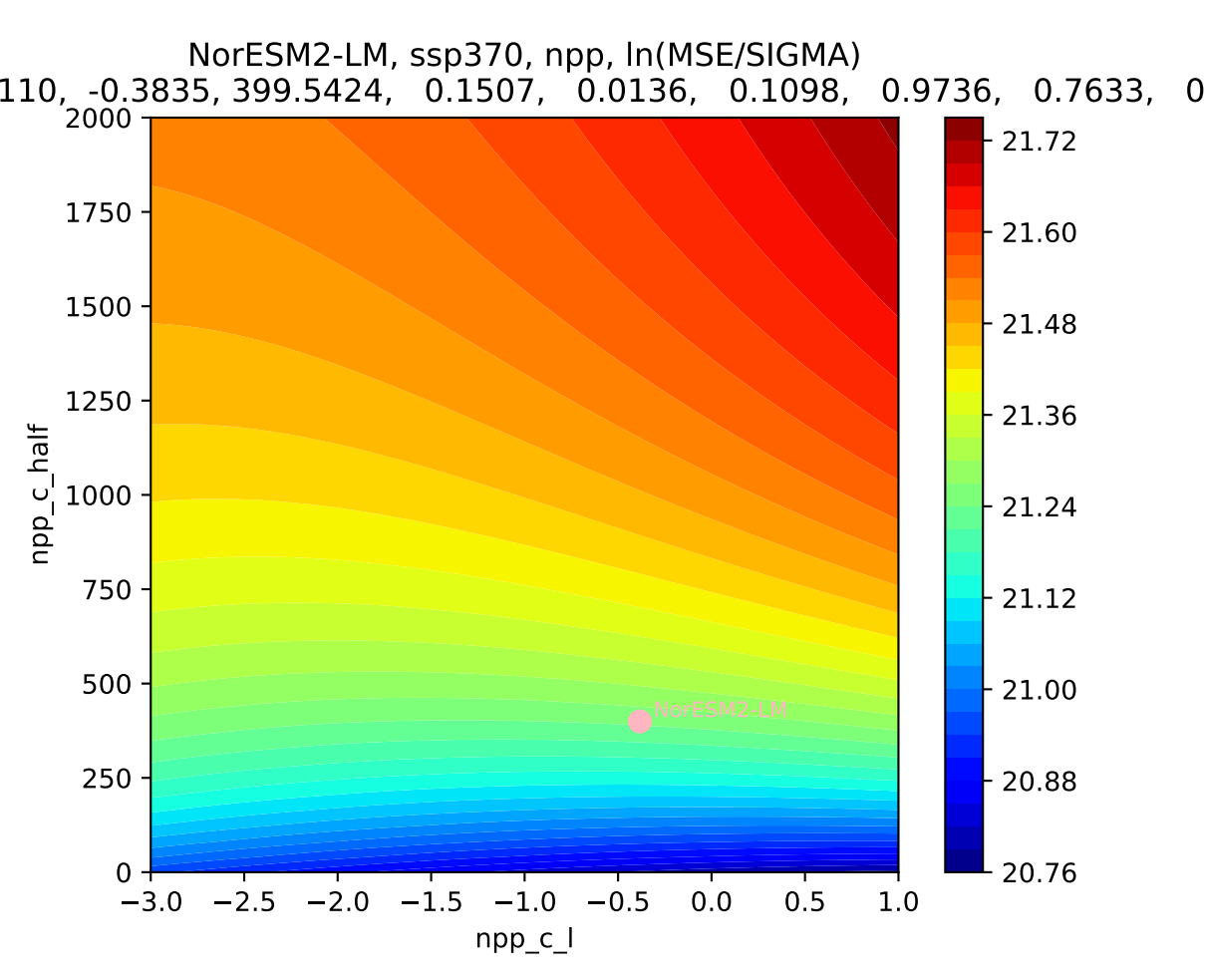

NorESM2-LM, ssp370, npp
ESM
Fit
npp
ΔT

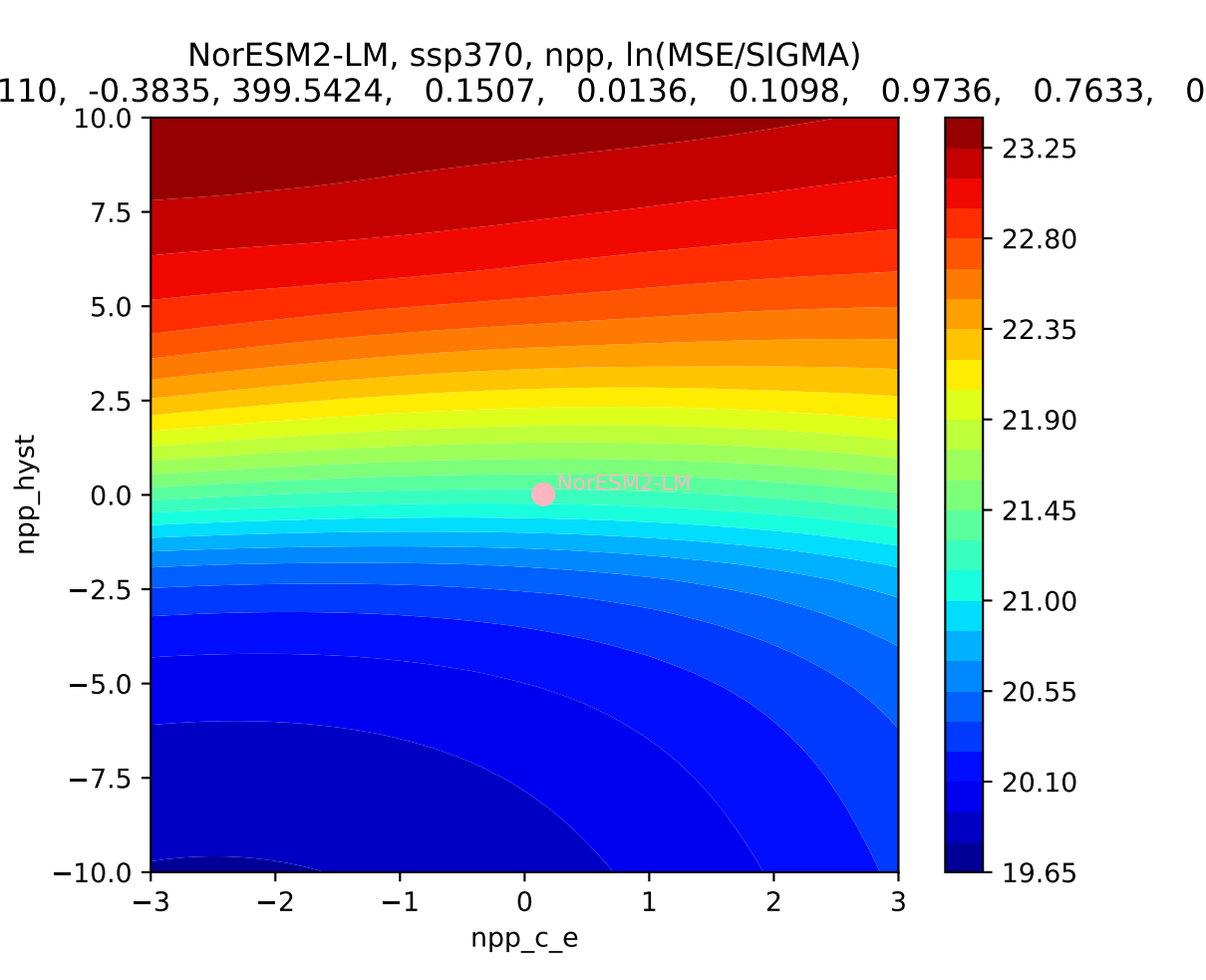

NorESM2-LM, ssp370, npp
ESM-Fit
npp, ESM - FIT
ΔT

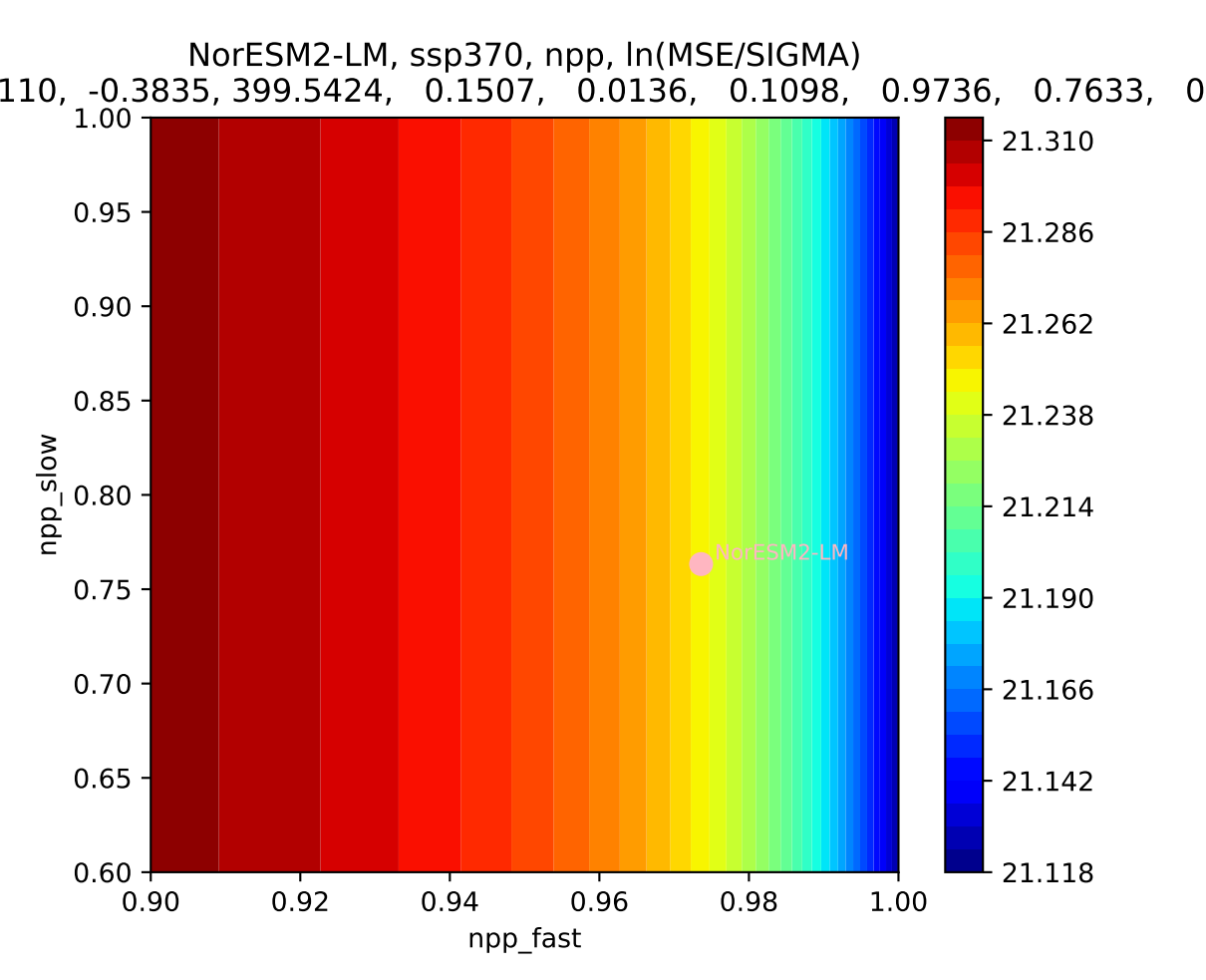

NorESM2-LM, ssp370, npp
ESM
Fit
npp
c_atm

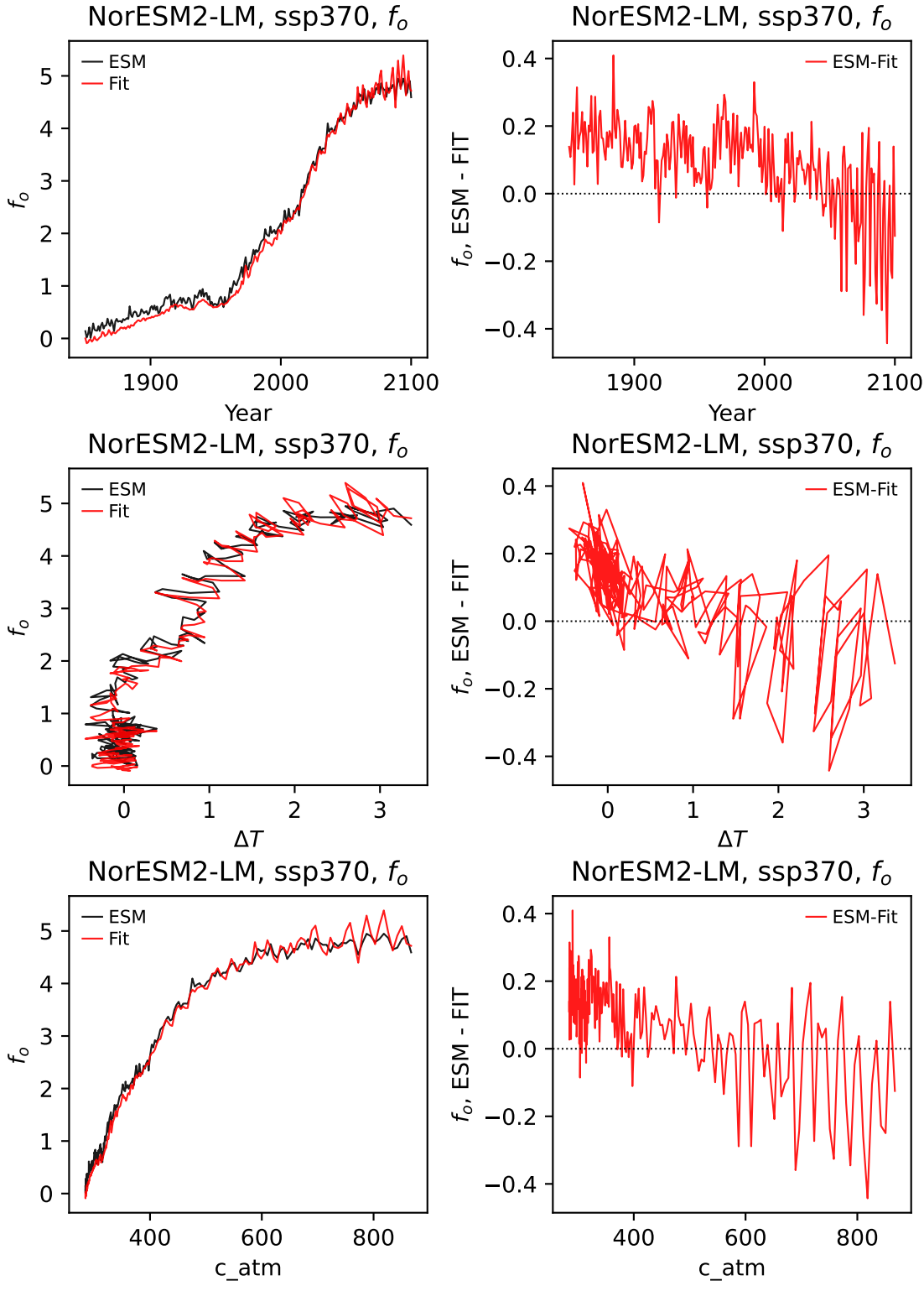

NorESM2-LM, ssp370, npp
ESM-Fit
npp, ESM - FIT
c_atm

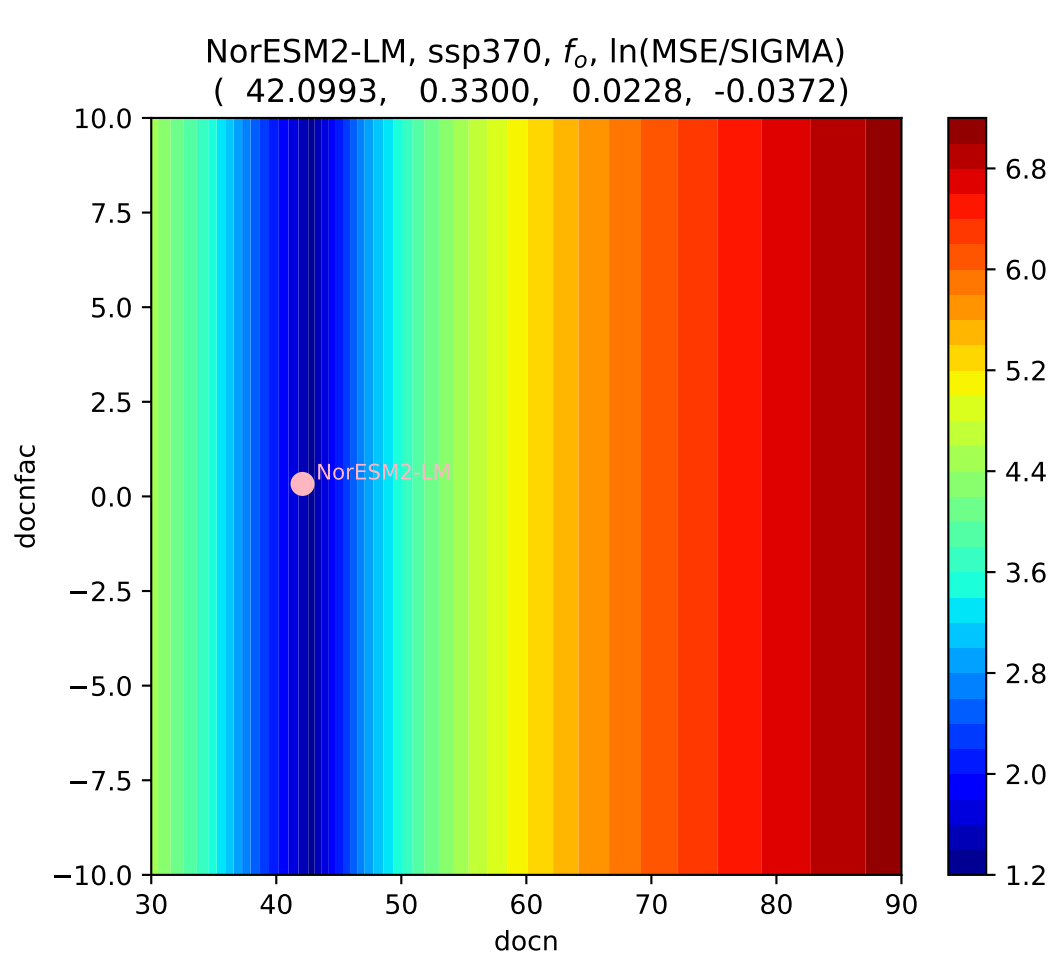

NorESM2-LM, ssp370, npp, ln(MSE/SIGMA)
110, -0.3835, 399.5424, 0.1507, 0.0136, 0.1098, 0.9736, 0.7633, 0
npp_t_e
npp_t_l
NorESM2-LM
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
23.2
22.8
22.4
22.0
21.6
21.2
20.8
20.4
20.0

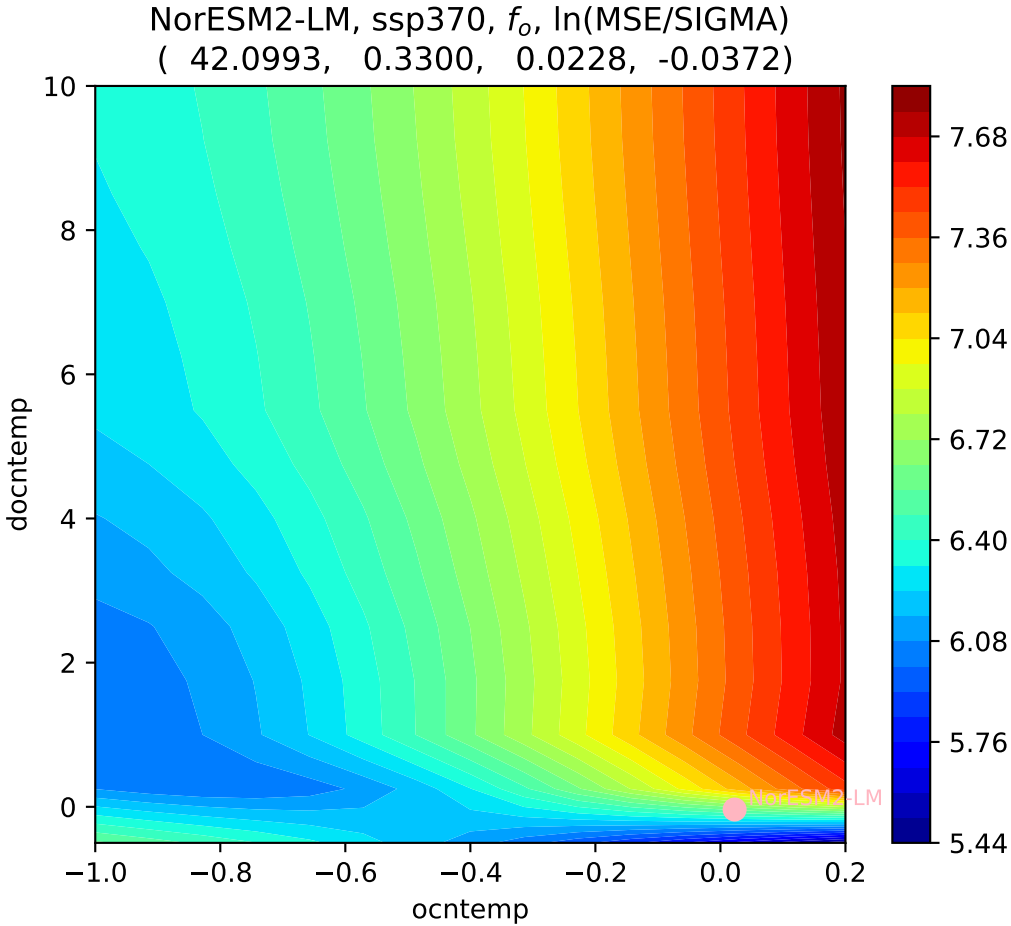

NorESM2-LM, ssp370, npp, ln(MSE/SIGMA)
110, -0.3835, 399.5424, 0.1507, 0.0136, 0.1098, 0.9736, 0.7633, 0
npp_c_half
npp_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
21.72
21.60
21.48
21.36
21.24
21.12
21.00
20.88
20.76


NorESM2-LM, ssp370, npp, ln(MSE/SIGMA)
110, -0.3835, 399.5424, 0.1507, 0.0136, 0.1098, 0.9736, 0.7633, 0
NorESM2-LM
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
23.25
22.80
22.35
21.90
21.45
21.00
20.55
20.10
19.65


NorESM2-LM, ssp370, npp, ln(MSE/SIGMA)
110, -0.3835, 399.5424, 0.1507, 0.0136, 0.1098, 0.9736, 0.7633, 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
NorESM2-LM
21.310
21.286
21.262
21.238
21.214
21.190
21.166
21.142
21.118


NorESM2-LM, ssp370, f_o
ESM
Fit
f_o
Year
NorESM2-LM, ssp370, f_o
ESM-Fit
f_o, ESM - FIT
Year
NorESM2-LM, ssp370, f_o
ESM
Fit
f_o
ΔT
NorESM2-LM, ssp370, f_o
ESM-Fit
f_o, ESM - FIT
ΔT
NorESM2-LM, ssp370, f_o
ESM
Fit
f_o
c_atm
NorESM2-LM, ssp370, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


NorESM2-LM, ssp370, f_o, ln(MSE/SIGMA)
(42.0993, 0.3300, 0.0228, -0.0372)
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
6.8
6.0
5.2
4.4
3.6
2.8
2.0
1.2


NorESM2-LM, ssp370, f_o, ln(MSE/SIGMA)
(42.0993, 0.3300, 0.0228, -0.0372)
10
8
6
4
2
0
docntemp
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
ocntemp
NorESM2-LM
7.68
7.36
7.04
6.72
6.40
6.08
5.76
5.44