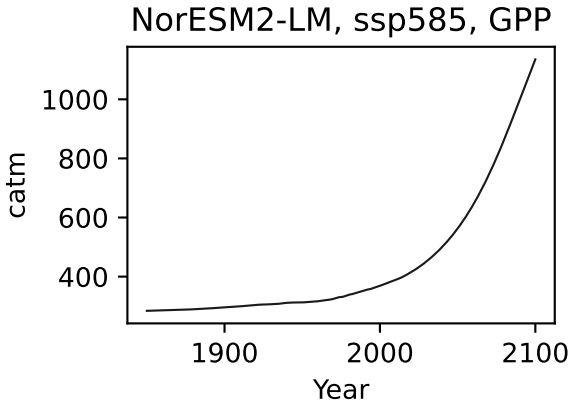
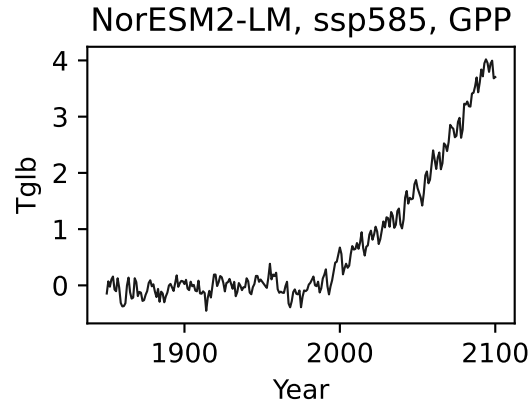
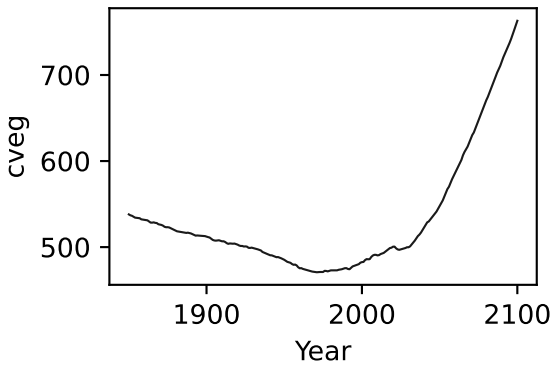
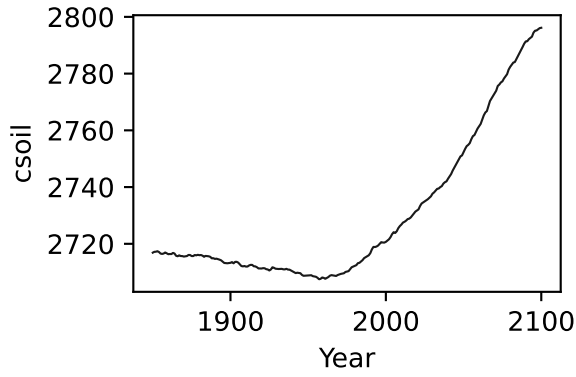
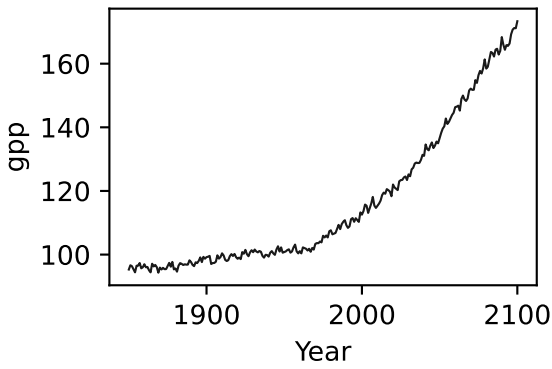
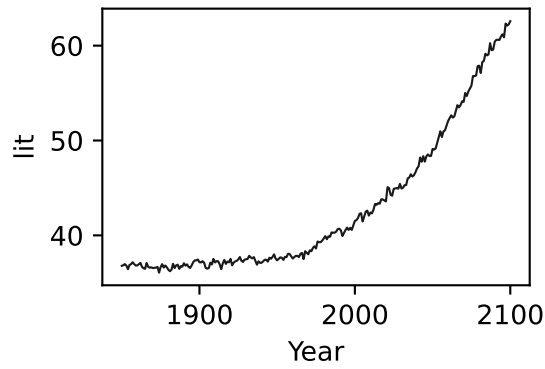

NorESM2-LM, ssp585, GPP
catm
1000
800
600
400
1900
2000
2100
Year

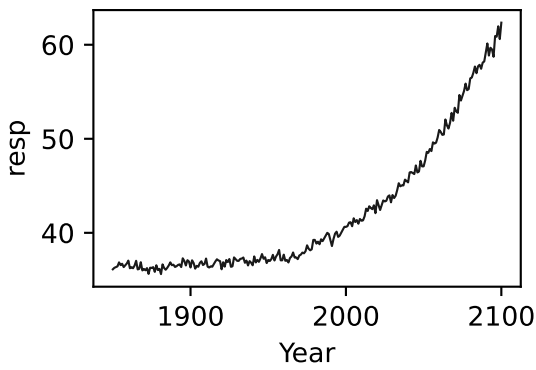

NorESM2-LM, ssp585, GPP
Tglb
4
3
2
1
0
1900
2000
2100
Year

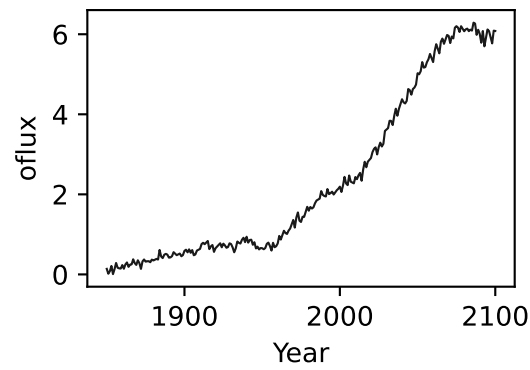

cveg
700
600
500
1900
2000
2100
Year

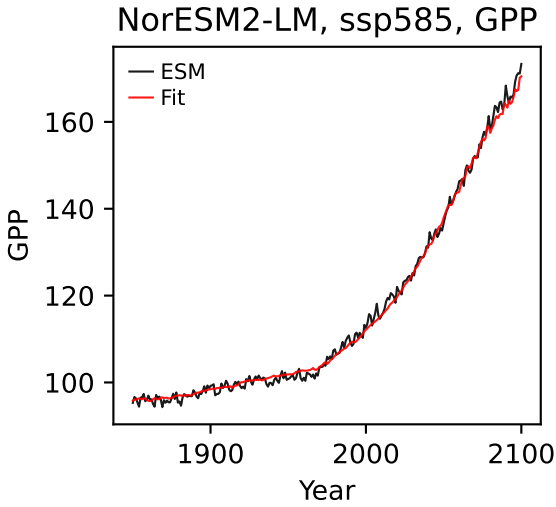

csoil
2800
2780
2760
2740
2720
1900
2000
2100
Year

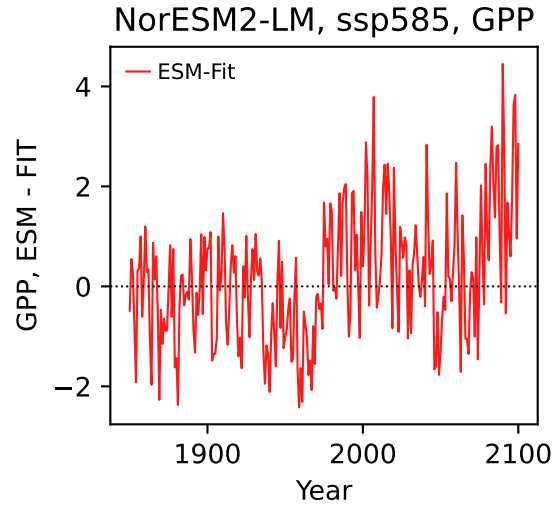

gpp
160
140
120
100
1900
2000
2100
Year

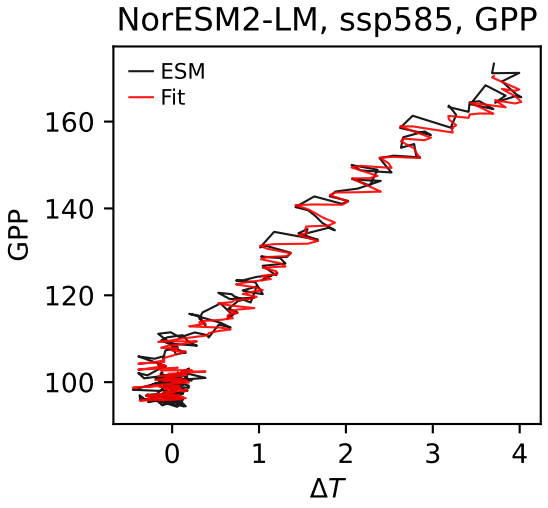

lit
60
50
40
1900
2000
2100
Year

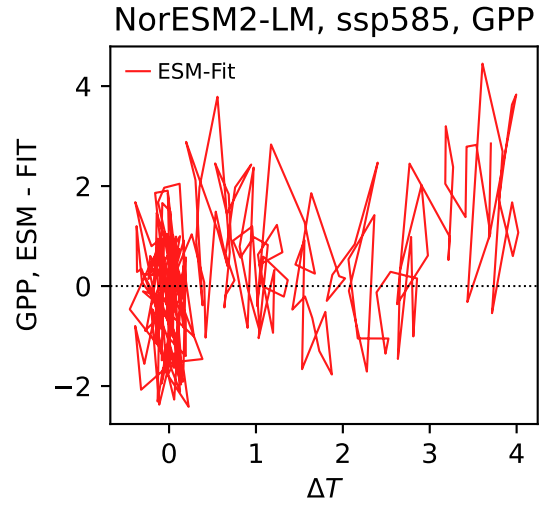

resp
60
50
40
1900
2000
2100
Year

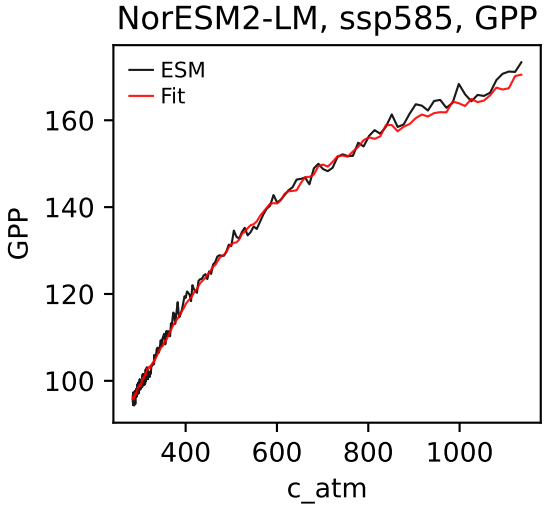

oflux
6
4
2
0
1900
2000
2100
Year

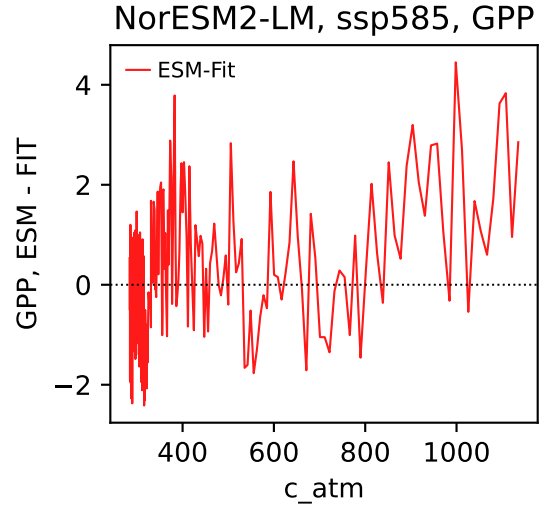

NorESM2-LM, ssp585, GPP
ESM
Fit
GPP
Year

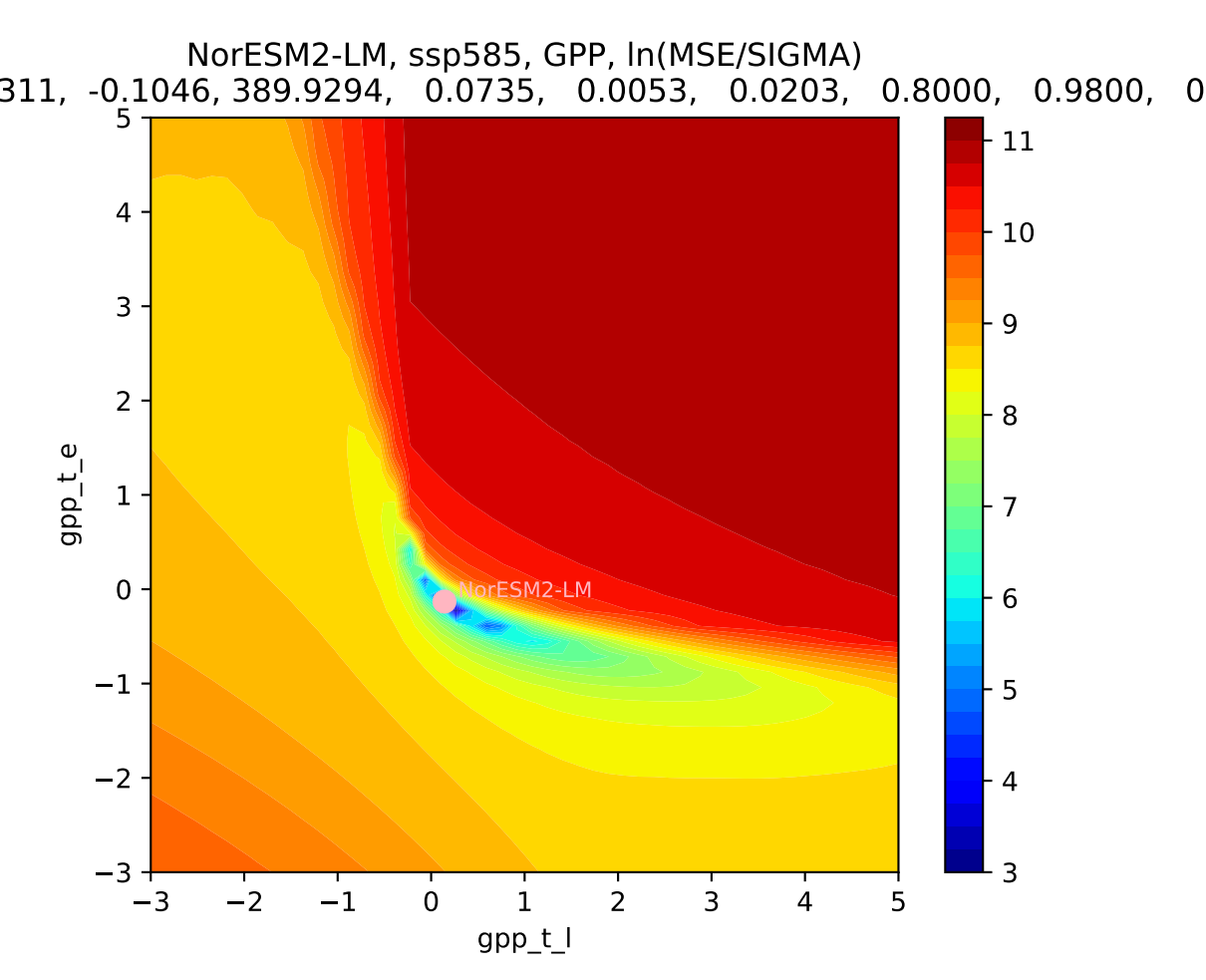

NorESM2-LM, ssp585, GPP
ESM-Fit
GPP, ESM - FIT
Year

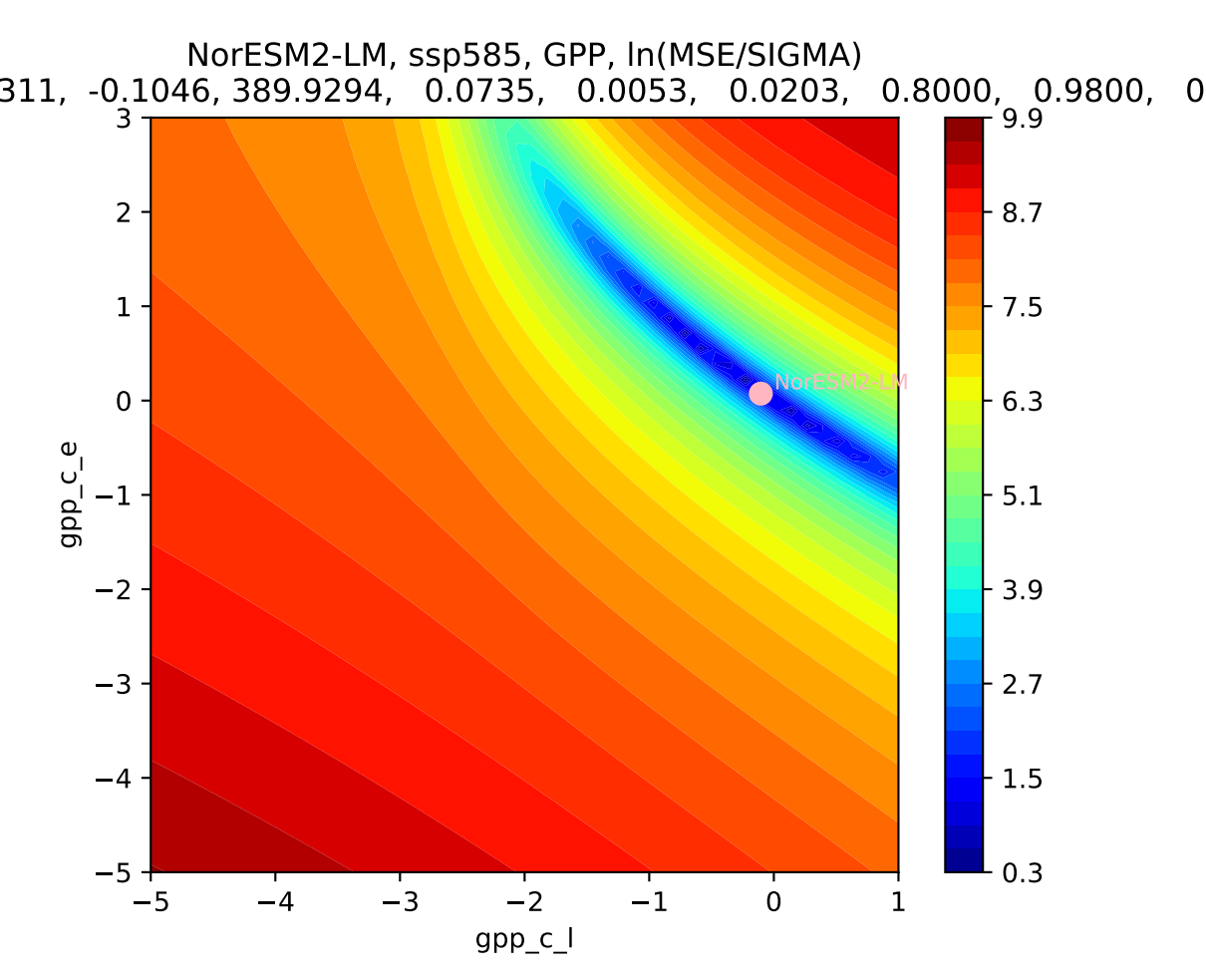

NorESM2-LM, ssp585, GPP
ESM
Fit
GPP
ΔT

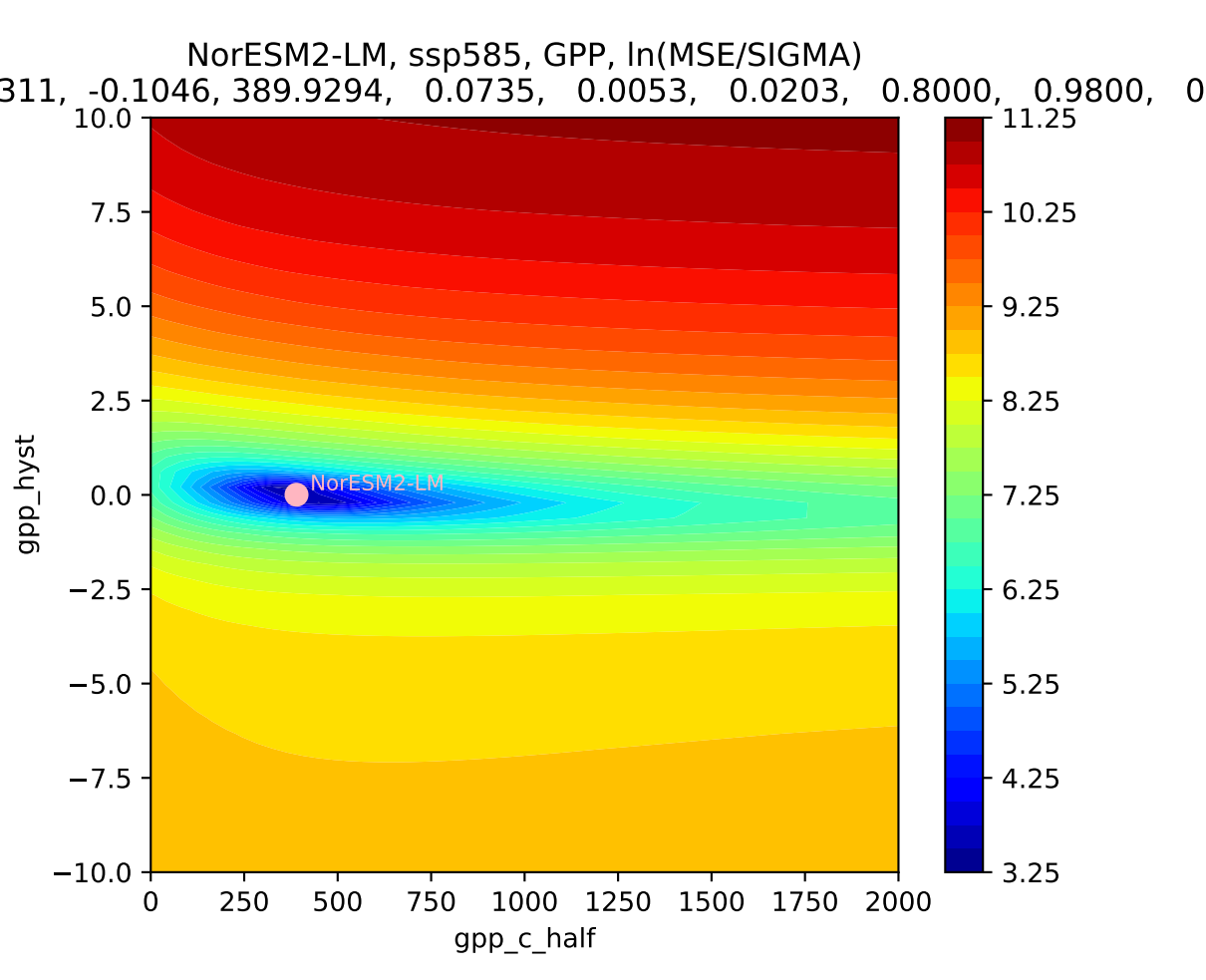

NorESM2-LM, ssp585, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

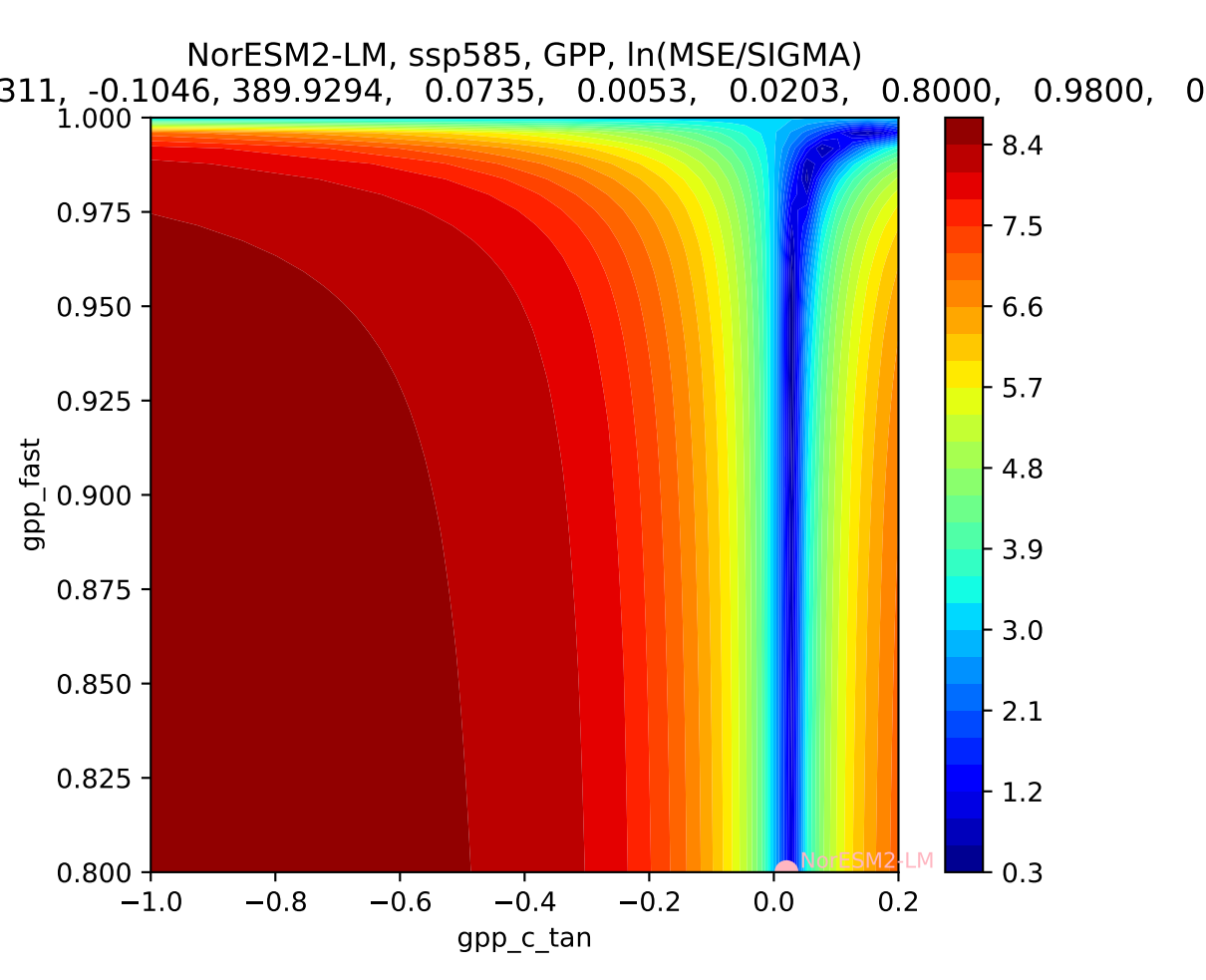

NorESM2-LM, ssp585, GPP
ESM
Fit
GPP
c_atm

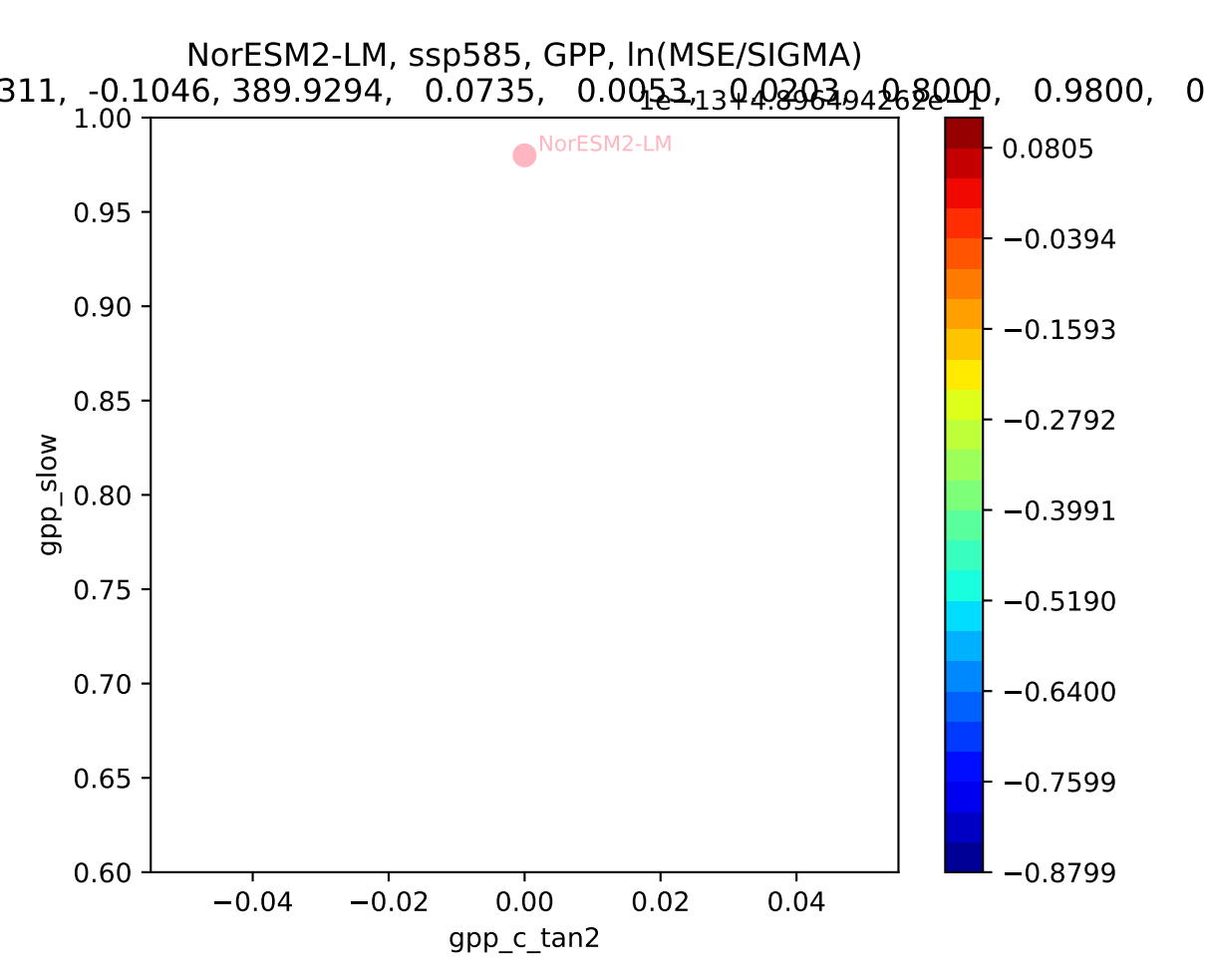

NorESM2-LM, ssp585, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

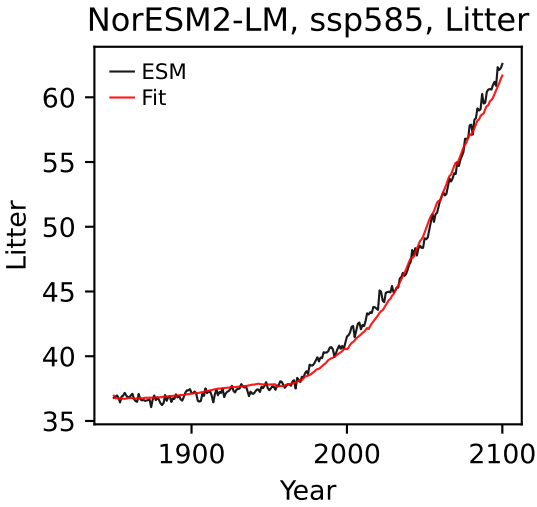

NorESM2-LM, ssp585, GPP, ln(MSE/SIGMA)
311, -0.1046, 389.9294, 0.0735, 0.0053, 0.0203, 0.8000, 0.9800, 0
NorESM2-LM
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
11
10
9
8
7
6
5
4
3

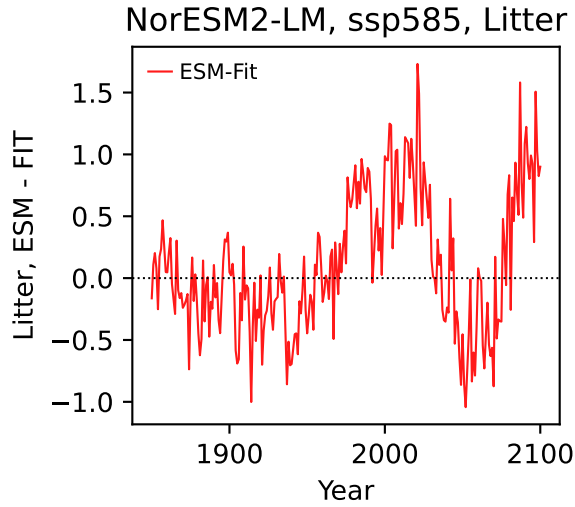

NorESM2-LM, ssp585, GPP, ln(MSE/SIGMA)
311, -0.1046, 389.9294, 0.0735, 0.0053, 0.0203, 0.8000, 0.9800, 0
NorESM2-LM
gpp_c_e
gpp_c_l
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
9.9
8.7
7.5
6.3
5.1
3.9
2.7
1.5
0.3

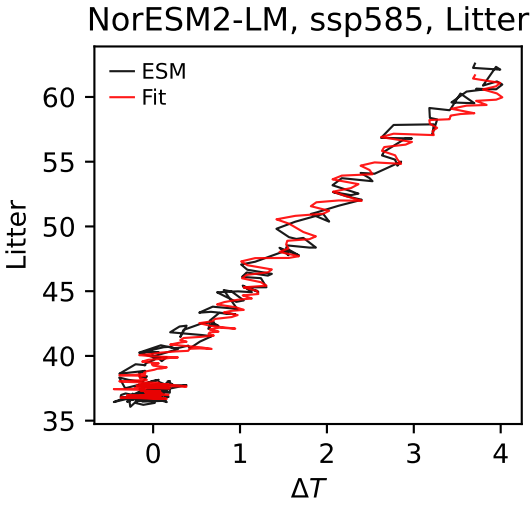

NorESM2-LM, ssp585, GPP, ln(MSE/SIGMA)
311, -0.1046, 389.9294, 0.0735, 0.0053, 0.0203, 0.8000, 0.9800, 0
gpp_hyst
gpp_c_half
NorESM2-LM
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
11.25
10.25
9.25
8.25
7.25
6.25
5.25
4.25
3.25

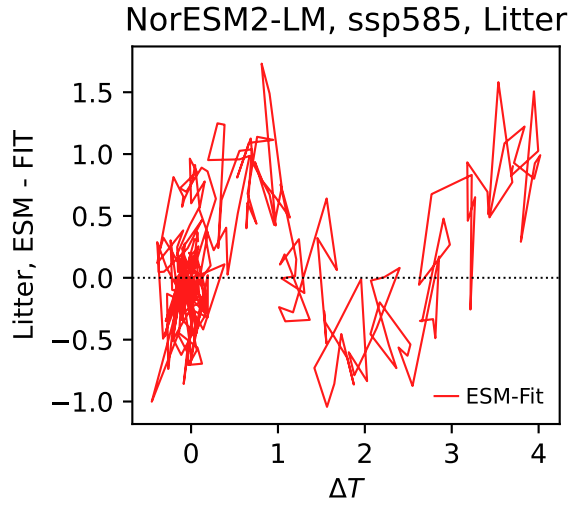

NorESM2-LM, ssp585, GPP, ln(MSE/SIGMA)
311, -0.1046, 389.9294, 0.0735, 0.0053, 0.0203, 0.8000, 0.9800, 0
gpp_fast
gpp_c_tan
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
8.4
7.5
6.6
5.7
4.8
3.9
3.0
2.1
1.2
0.3
NorESM2-LM

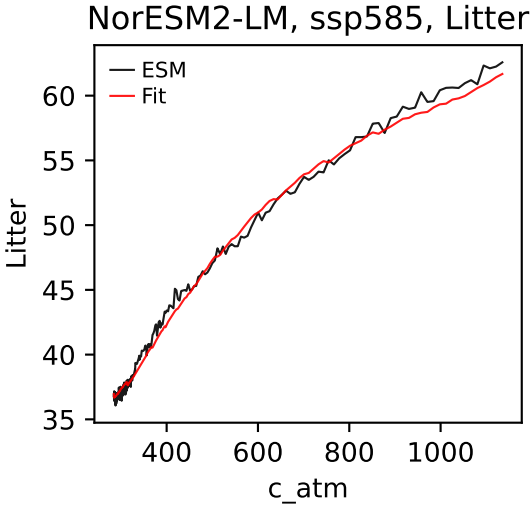

NorESM2-LM, ssp585, GPP, ln(MSE/SIGMA)
311, -0.1046, 389.9294, 0.0735, 0.0053, 0.0203, 0.8000, 0.9800, 0
1e−13+4.896494262e−1
NorESM2-LM
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
gpp_slow
−0.04
−0.02
0.00
0.02
0.04
gpp_c_tan2
0.0805
−0.0394
−0.1593
−0.2792
−0.3991
−0.5190
−0.6400
−0.7599
−0.8799

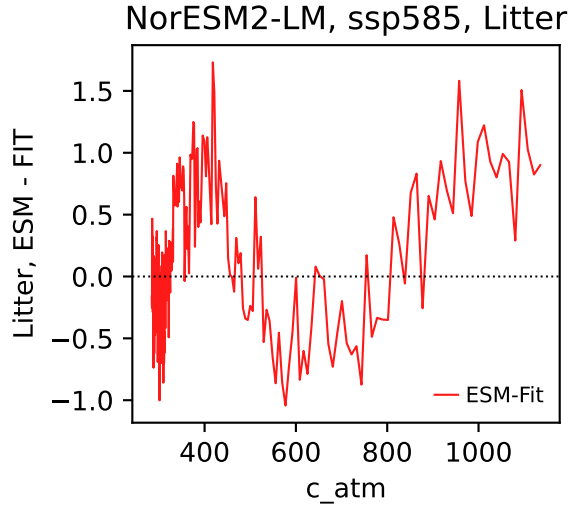

NorESM2-LM, ssp585, Litter
ESM
Fit
Litter
Year

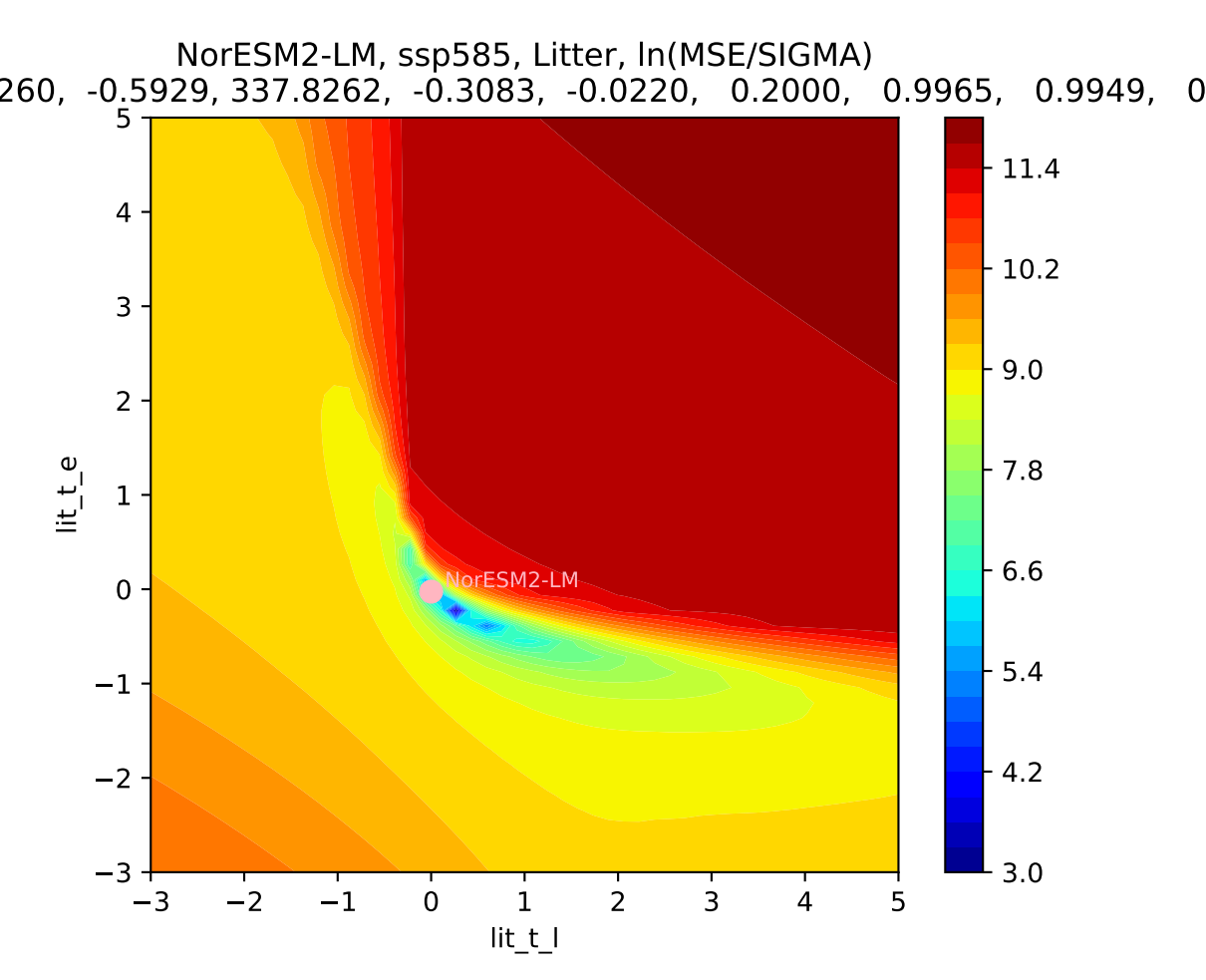

NorESM2-LM, ssp585, Litter
ESM-Fit
Litter, ESM - FIT
Year

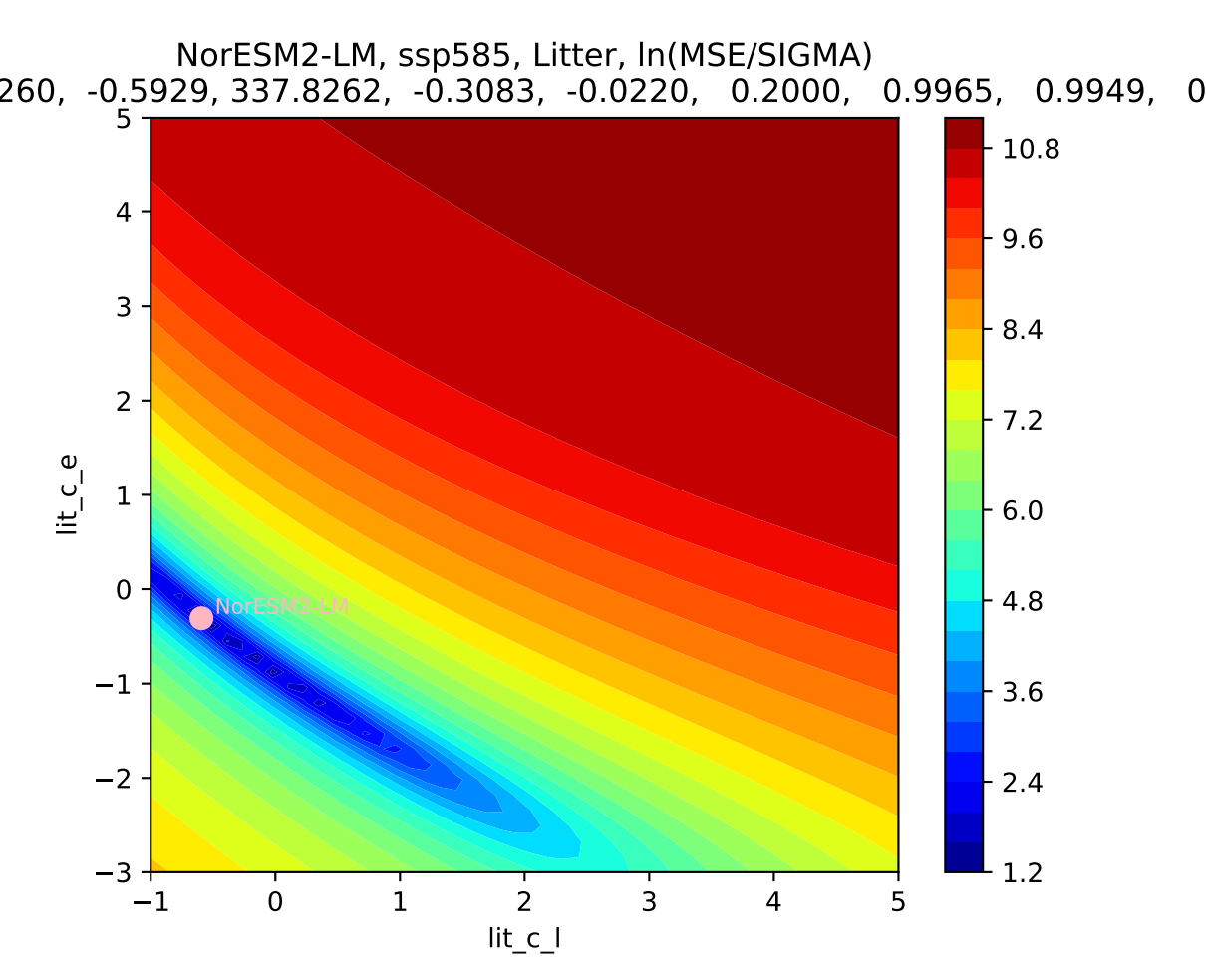

NorESM2-LM, ssp585, Litter
ESM
Fit
Litter
ΔT

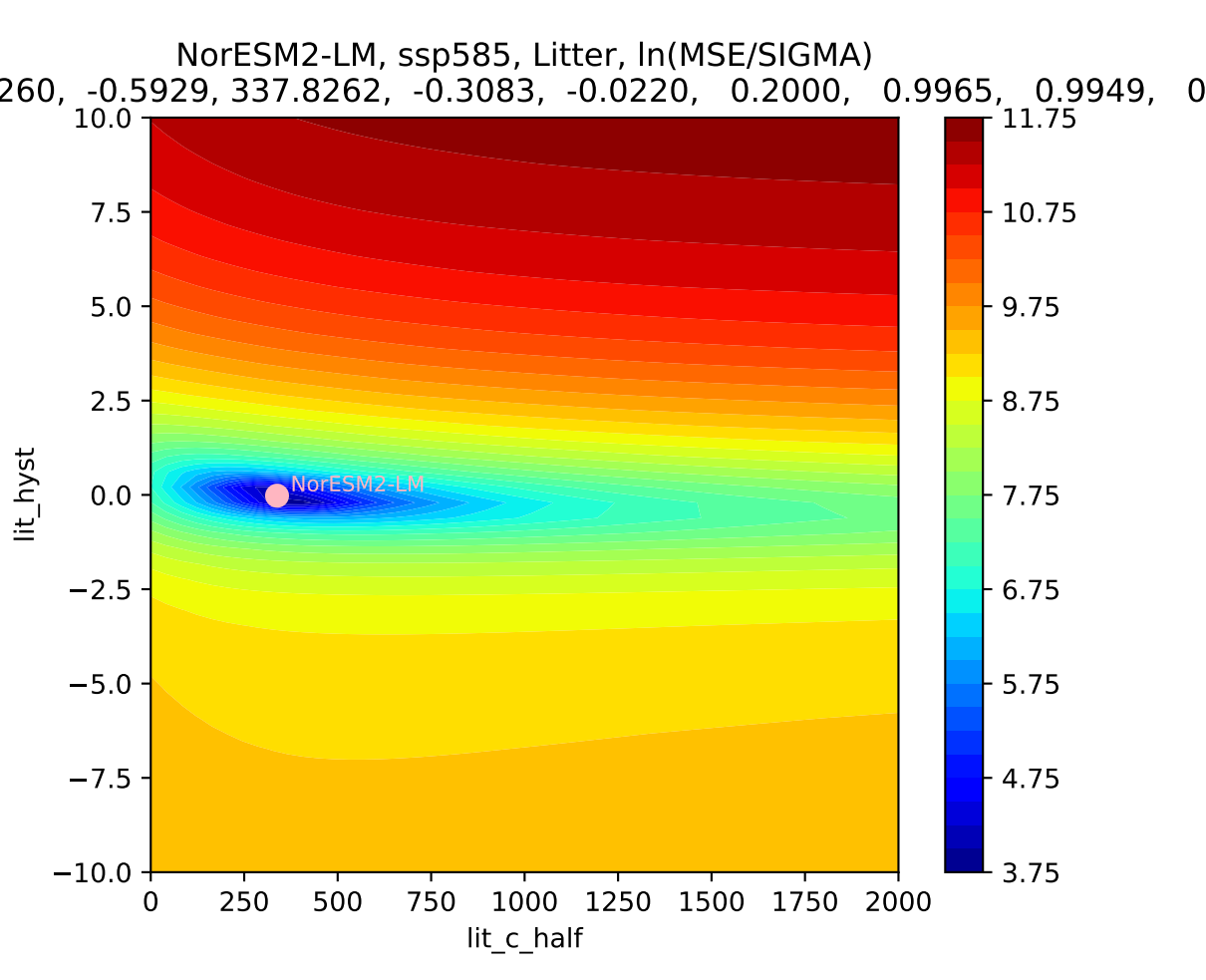

NorESM2-LM, ssp585, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

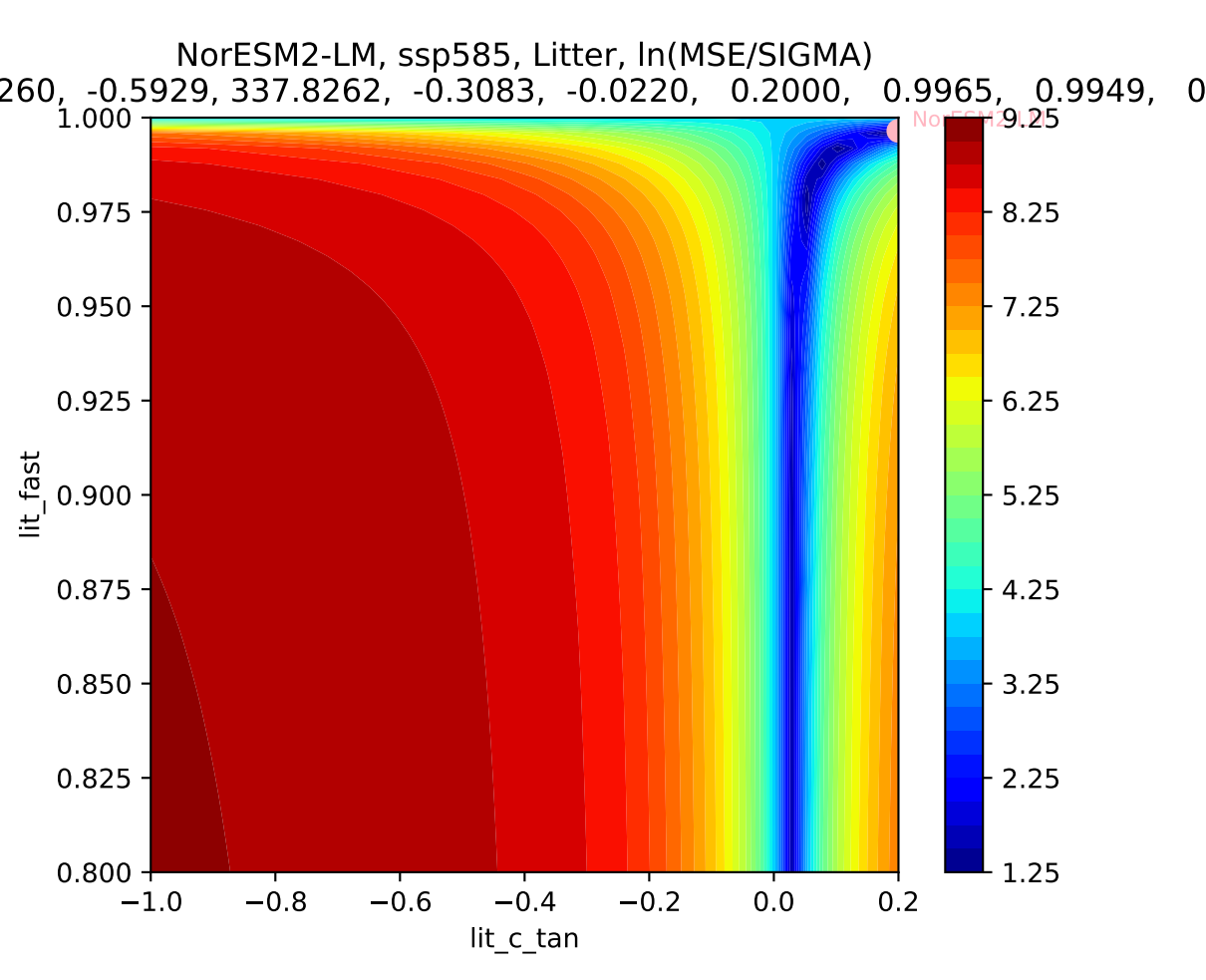

NorESM2-LM, ssp585, Litter
ESM
Fit
Litter
c_atm

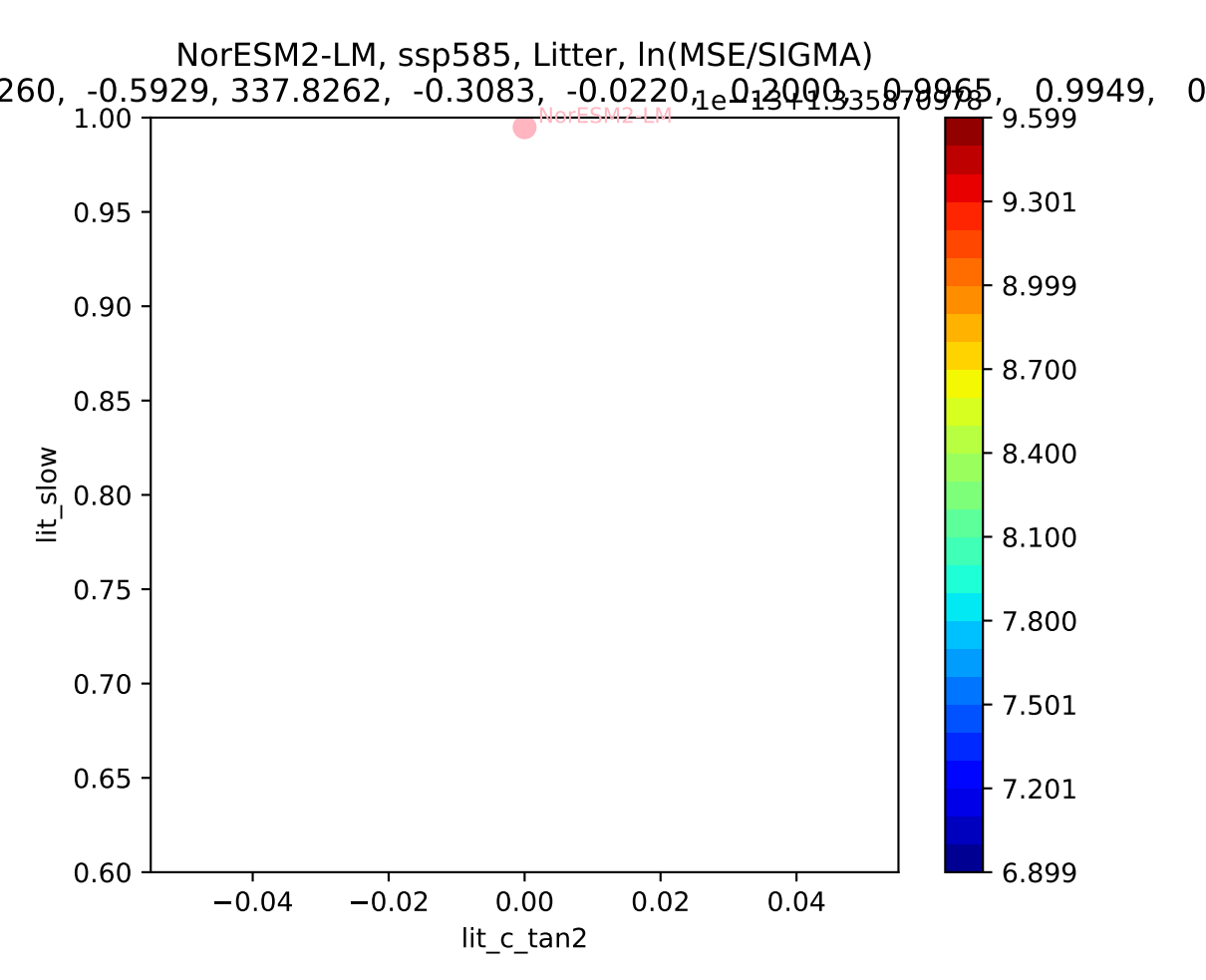

NorESM2-LM, ssp585, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

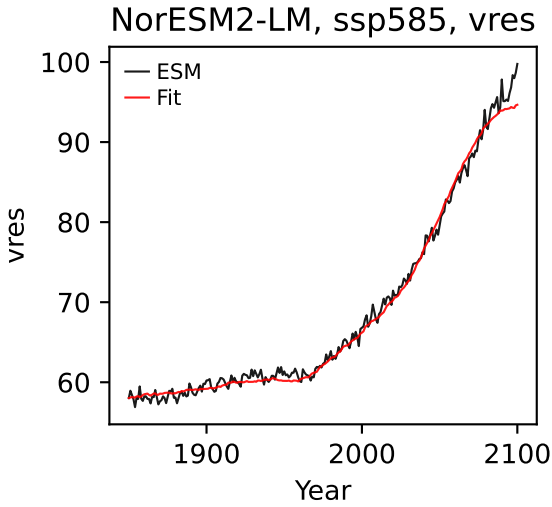

NorESM2-LM, ssp585, Litter, ln(MSE/SIGMA)
260, -0.5929, 337.8262, -0.3083, -0.0220, 0.2000, 0.9965, 0.9949, 0
NorESM2-LM
lit_t_e
lit_t_l
11.4
10.2
9.0
7.8
6.6
5.4
4.2
3.0

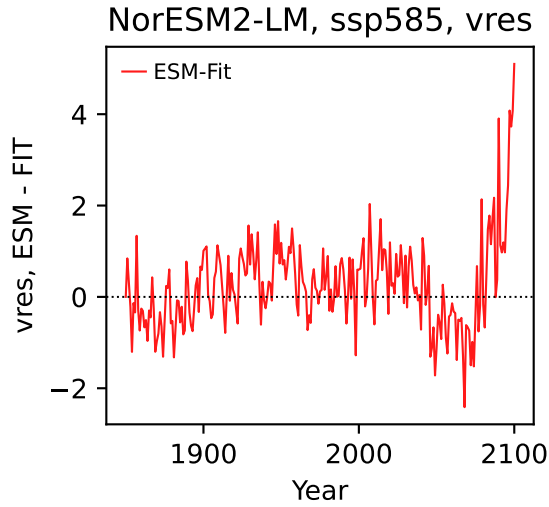

NorESM2-LM, ssp585, Litter, ln(MSE/SIGMA)
260, -0.5929, 337.8262, -0.3083, -0.0220, 0.2000, 0.9965, 0.9949, 0
NorESM2-LM
lit_c_e
lit_c_l
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

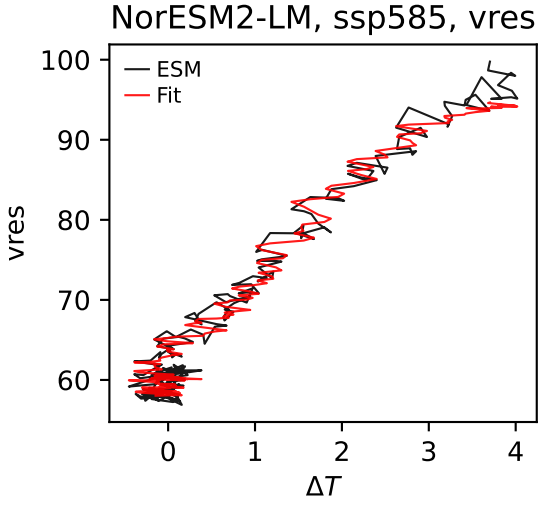

NorESM2-LM, ssp585, Litter, ln(MSE/SIGMA)
260, -0.5929, 337.8262, -0.3083, -0.0220, 0.2000, 0.9965, 0.9949, 0
NorESM2-LM
lit_hyst
lit_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
11.75
10.75
9.75
8.75
7.75
6.75
5.75
4.75
3.75

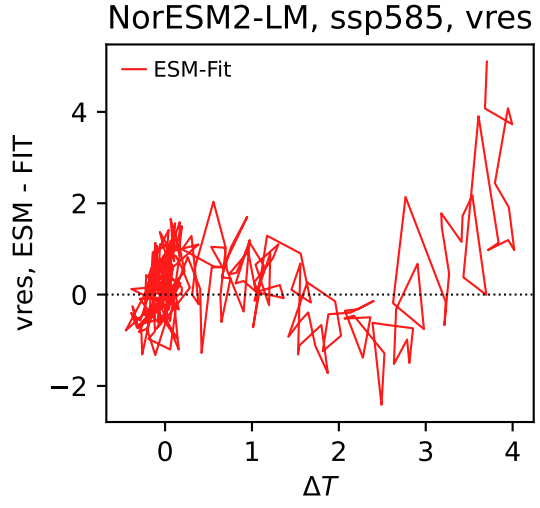

NorESM2-LM, ssp585, Litter, ln(MSE/SIGMA)
260, -0.5929, 337.8262, -0.3083, -0.0220, 0.2000, 0.9965, 0.9949, 0
lit_fast
lit_c_tan
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
9.25
8.25
7.25
6.25
5.25
4.25
3.25
2.25
1.25

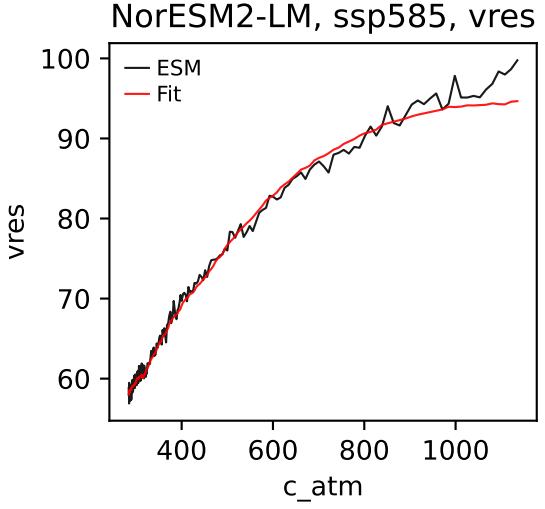

NorESM2-LM, ssp585, Litter, ln(MSE/SIGMA)
260, -0.5929, 337.8262, -0.3083, -0.0220, 0.2000, 0.9965, 0.9949, 0
1e−15+1.33587078
NorESM2-LM
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
−0.04
−0.02
0.00
0.02
0.04
lit_c_tan2
9.599
9.301
8.999
8.700
8.400
8.100
7.800
7.501
7.201
6.899

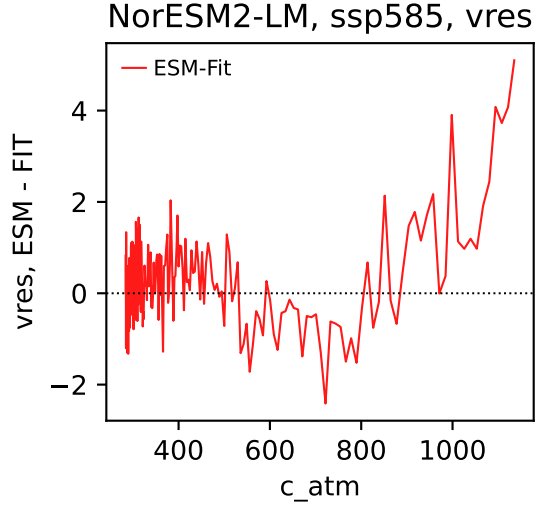

NorESM2-LM, ssp585, vres
ESM
Fit
vres
Year
100
90
80
70
60
1900
2000
2100

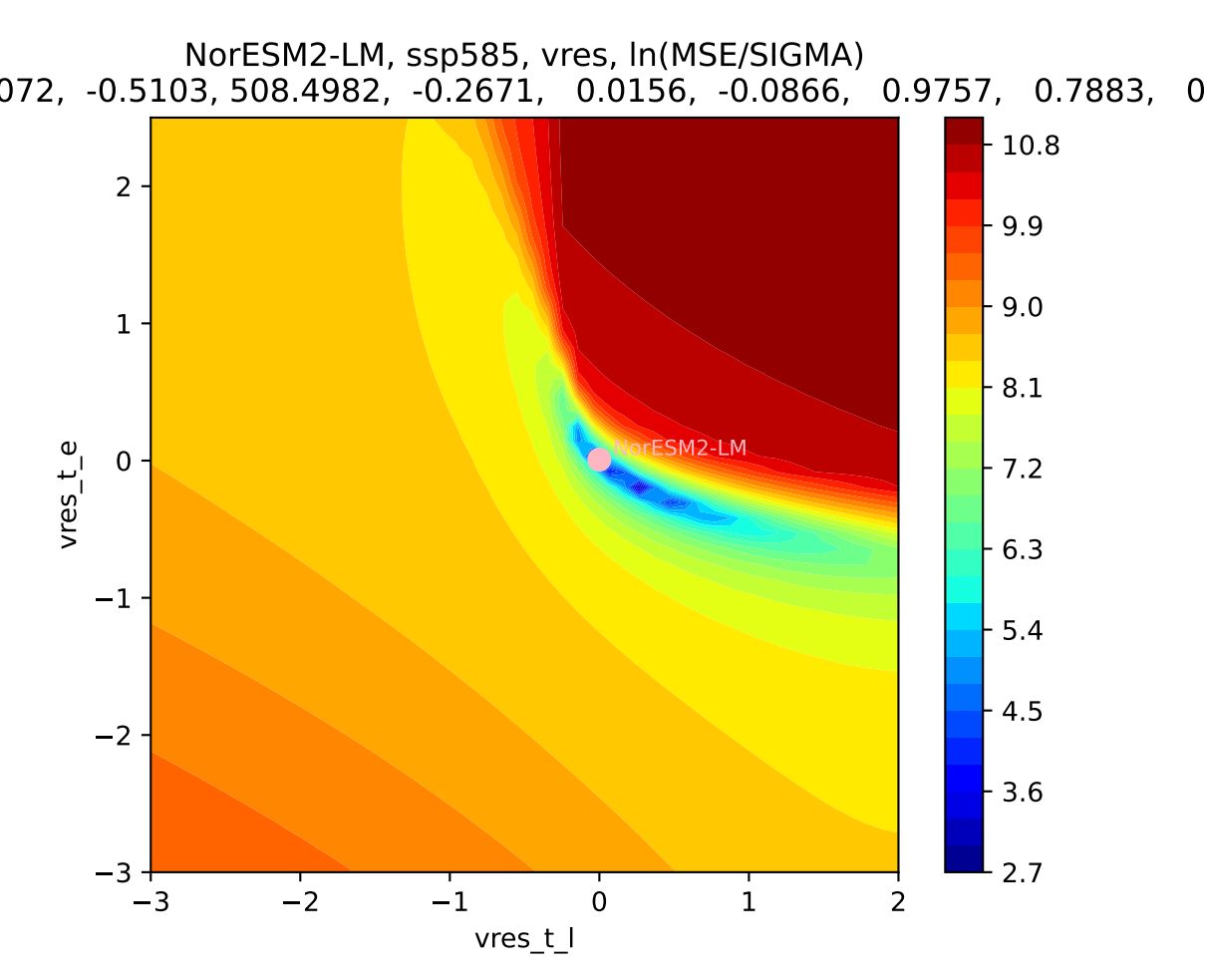

NorESM2-LM, ssp585, vres
ESM-Fit
vres, ESM - FIT
Year
4
2
0
−2
1900
2000
2100

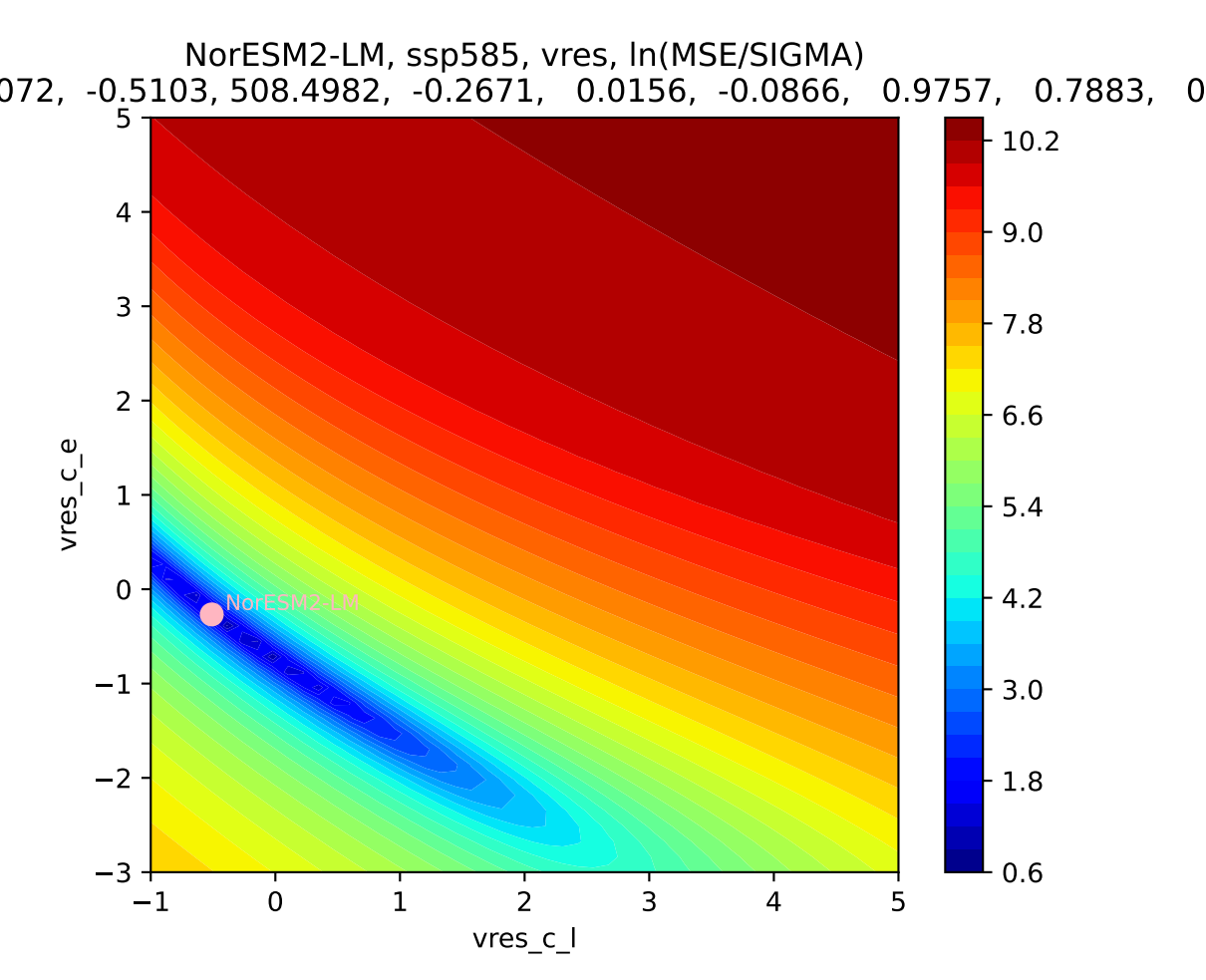

NorESM2-LM, ssp585, vres
ESM
Fit
vres
ΔT
100
90
80
70
60
0
1
2
3
4

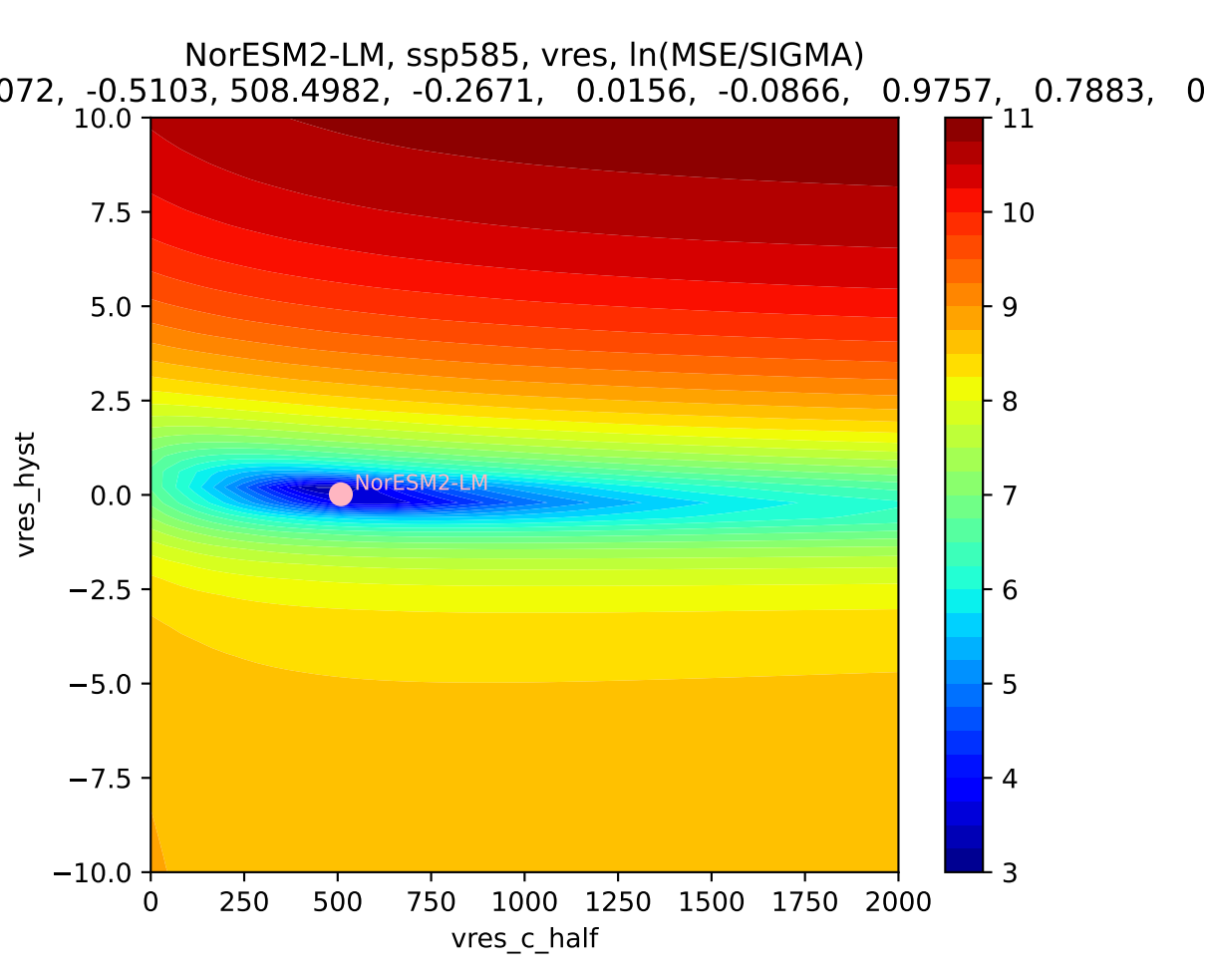

NorESM2-LM, ssp585, vres
ESM-Fit
vres, ESM - FIT
ΔT
4
2
0
−2
0
1
2
3
4

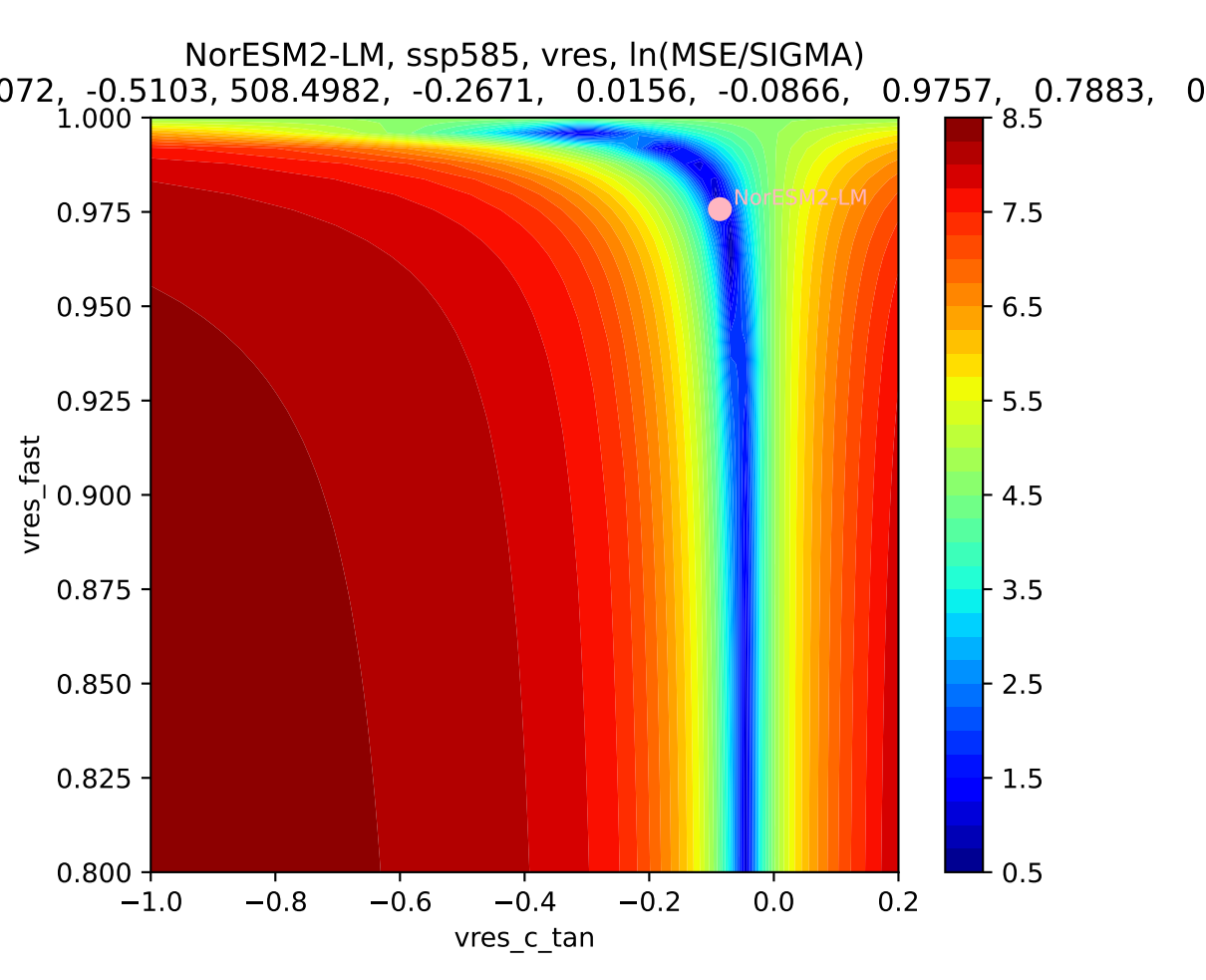

NorESM2-LM, ssp585, vres
ESM
Fit
vres
c_atm
100
90
80
70
60
400
600
800
1000

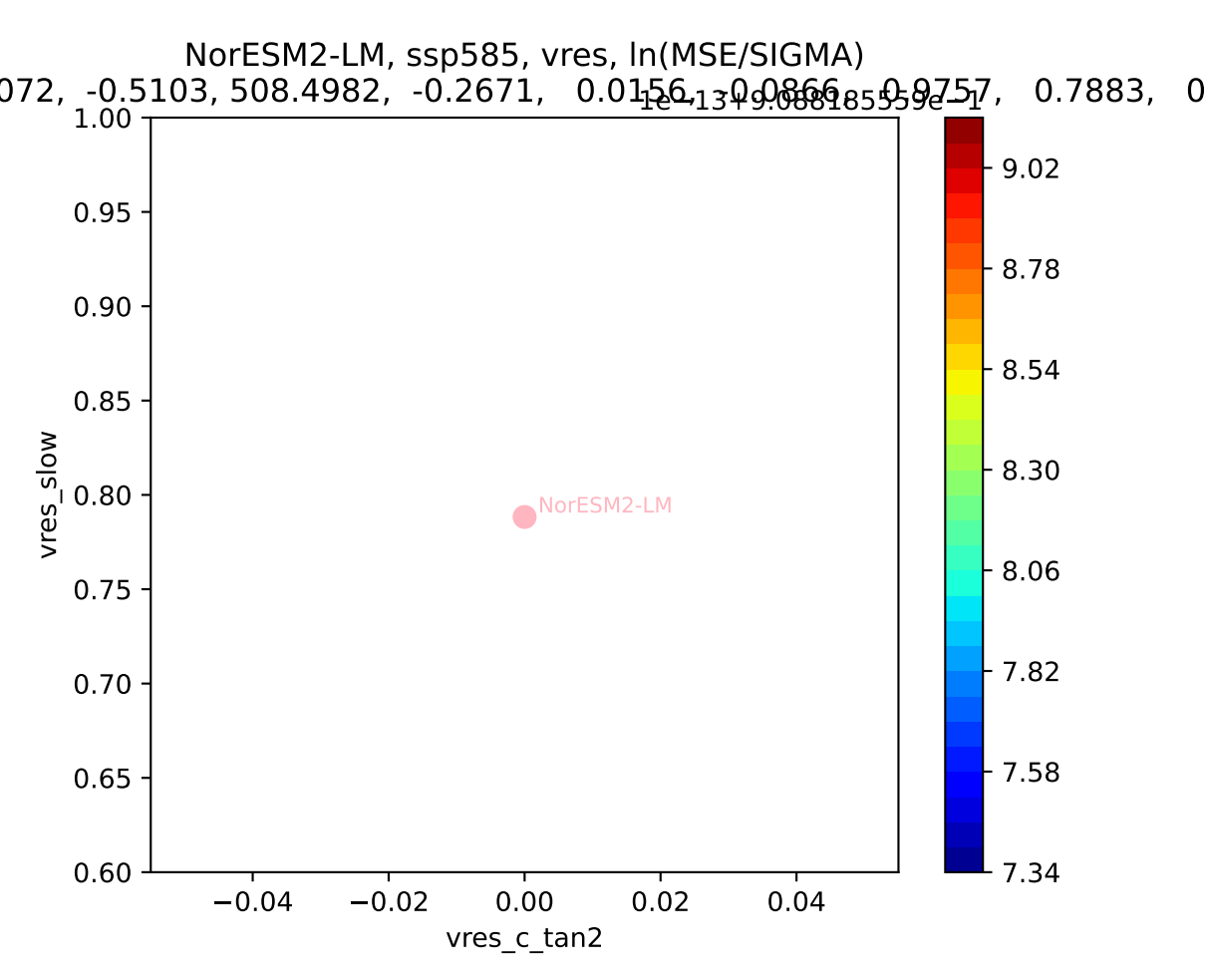

NorESM2-LM, ssp585, vres
ESM-Fit
vres, ESM - FIT
c_atm
4
2
0
−2
400
600
800
1000

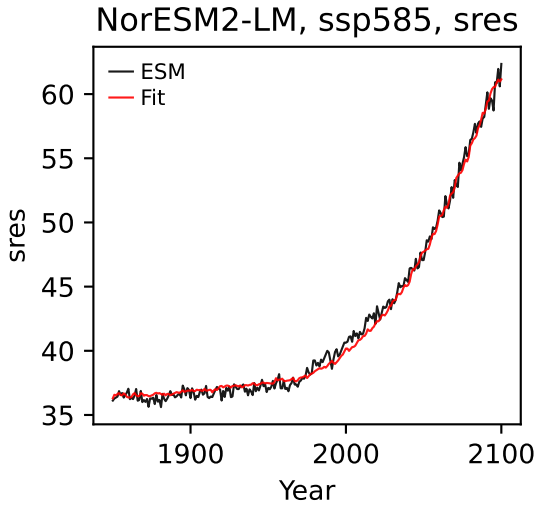

NorESM2-LM, ssp585, vres, ln(MSE/SIGMA)
072, -0.5103, 508.4982, -0.2671, 0.0156, -0.0866, 0.9757, 0.7883, 0
NorESM2-LM
vres_t_e
vres_t_l
−3
−2
−1
0
1
2
10.8
9.9
9.0
8.1
7.2
6.3
5.4
4.5
3.6
2.7

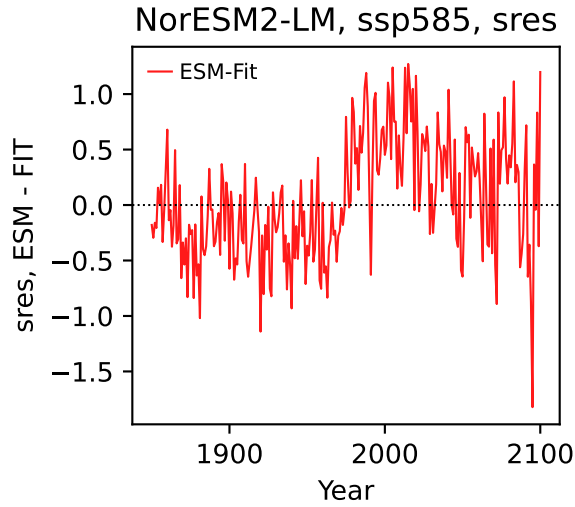

NorESM2-LM, ssp585, vres, ln(MSE/SIGMA)
072, -0.5103, 508.4982, -0.2671, 0.0156, -0.0866, 0.9757, 0.7883, 0
vres_c_e
vres_c_l
NorESM2-LM
10.2
9.0
7.8
6.6
5.4
4.2
3.0
1.8
0.6

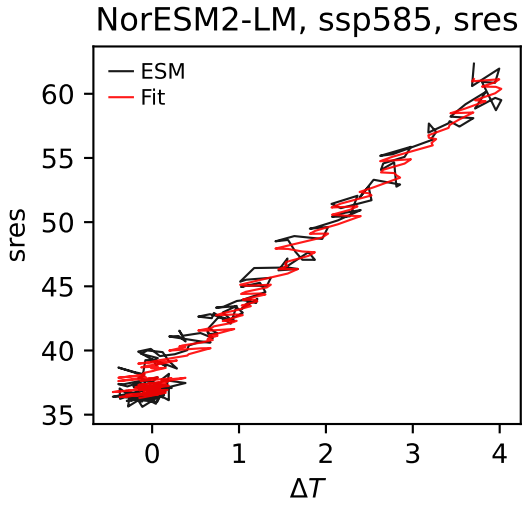

NorESM2-LM, ssp585, vres, ln(MSE/SIGMA)
072, -0.5103, 508.4982, -0.2671, 0.0156, -0.0866, 0.9757, 0.7883, 0
NorESM2-LM
vres_hyst
vres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
11
10
9
8
7
6
5
4
3

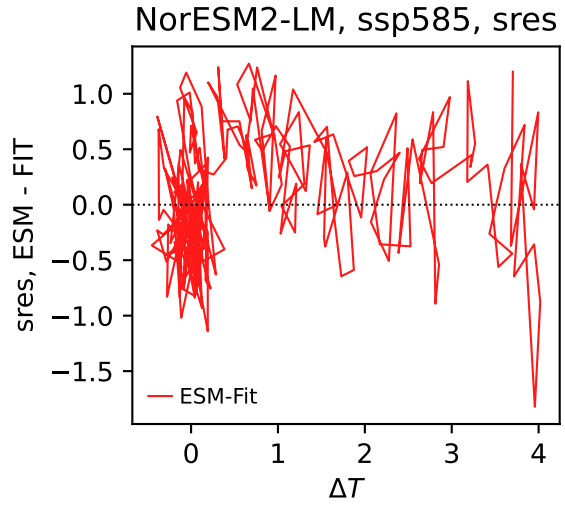

NorESM2-LM, ssp585, vres, ln(MSE/SIGMA)
072, -0.5103, 508.4982, -0.2671, 0.0156, -0.0866, 0.9757, 0.7883, 0
NorESM2-LM
vres_fast
vres_c_tan
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
8.5
7.5
6.5
5.5
4.5
3.5
2.5
1.5
0.5

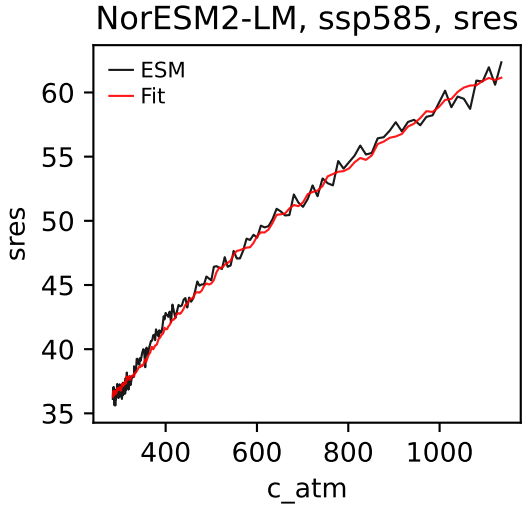

NorESM2-LM, ssp585, vres, ln(MSE/SIGMA)
072, -0.5103, 508.4982, -0.2671, 0.0156, -0.0866, -0.9757, 0.7883, 0
1e−13+9.088185559e−1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
NorESM2-LM
−0.04
−0.02
0.00
0.02
0.04
vres_c_tan2
9.02
8.78
8.54
8.30
8.06
7.82
7.58
7.34

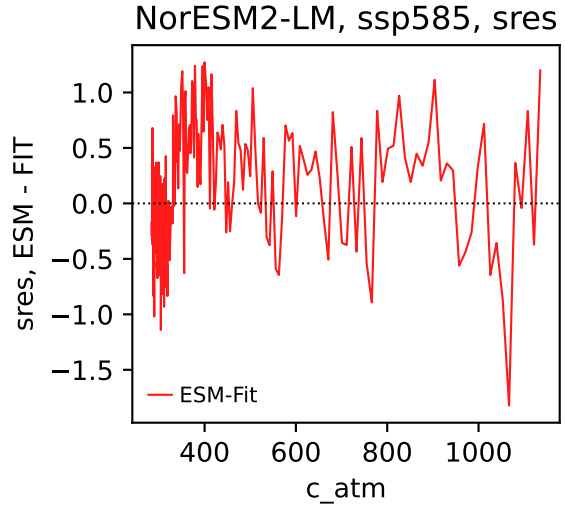

NorESM2-LM, ssp585, sres
ESM
Fit
sres
Year

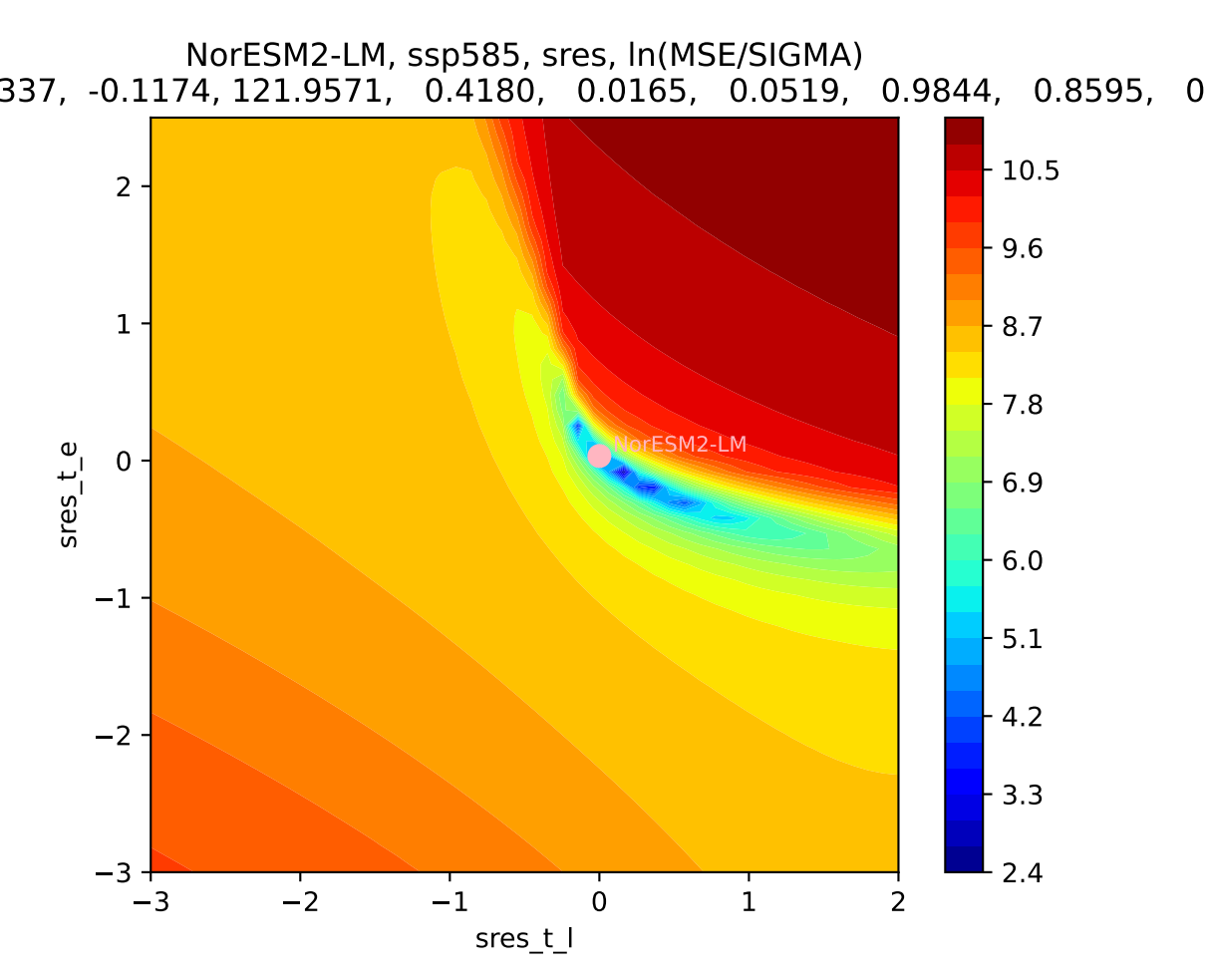

NorESM2-LM, ssp585, sres
ESM-Fit
sres, ESM - FIT
Year

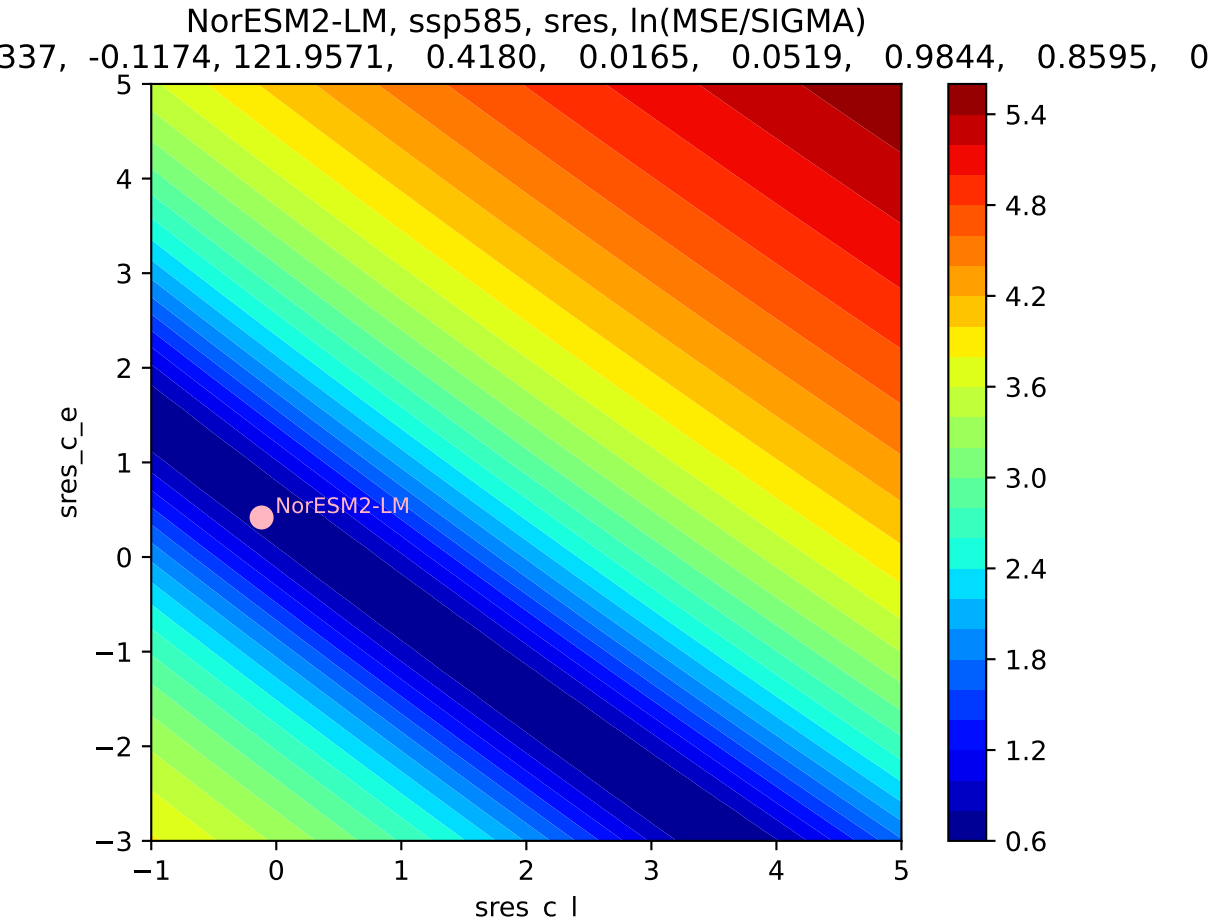

NorESM2-LM, ssp585, sres
ESM
Fit
sres
ΔT

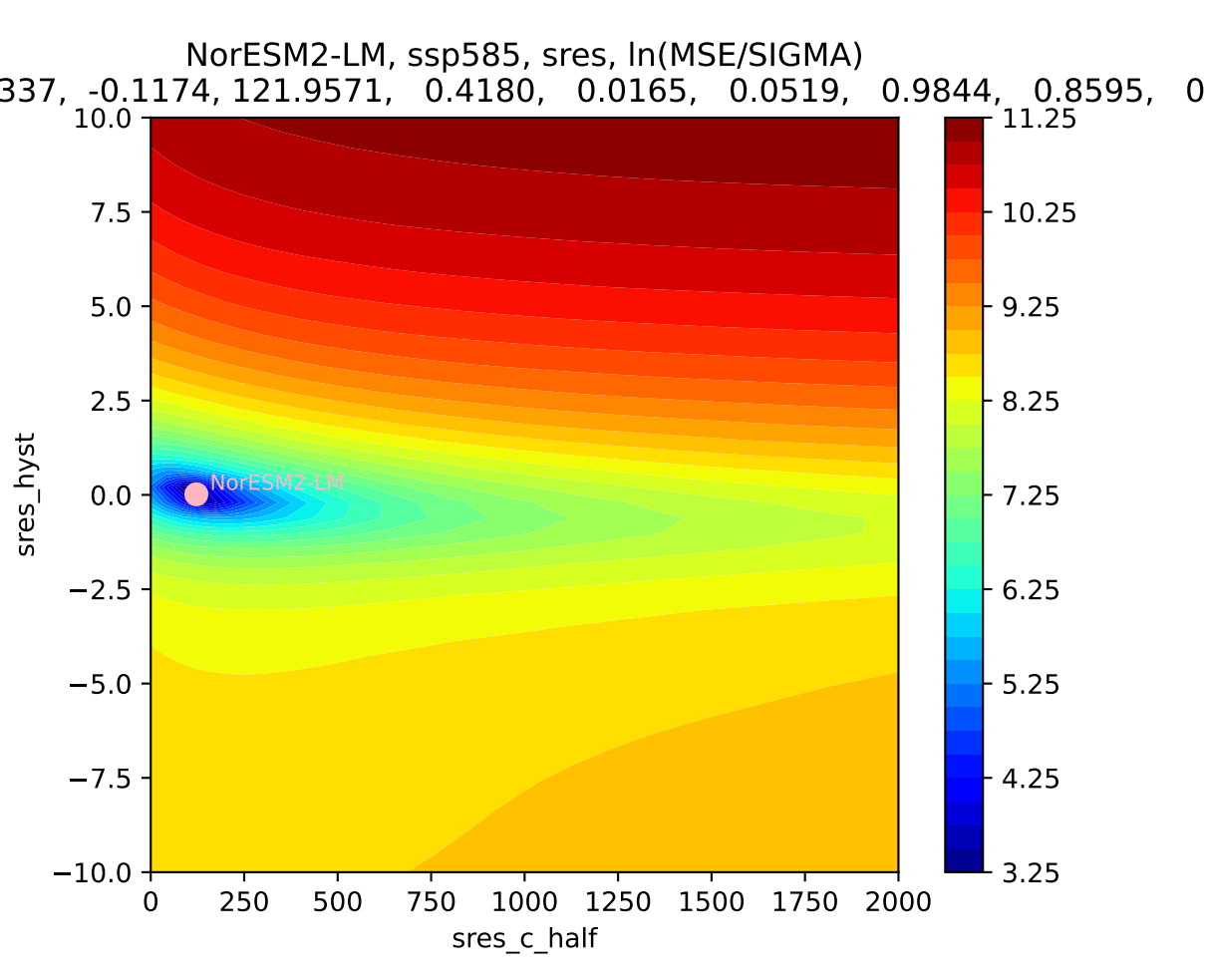

NorESM2-LM, ssp585, sres
ESM-Fit
sres, ESM - FIT
ΔT

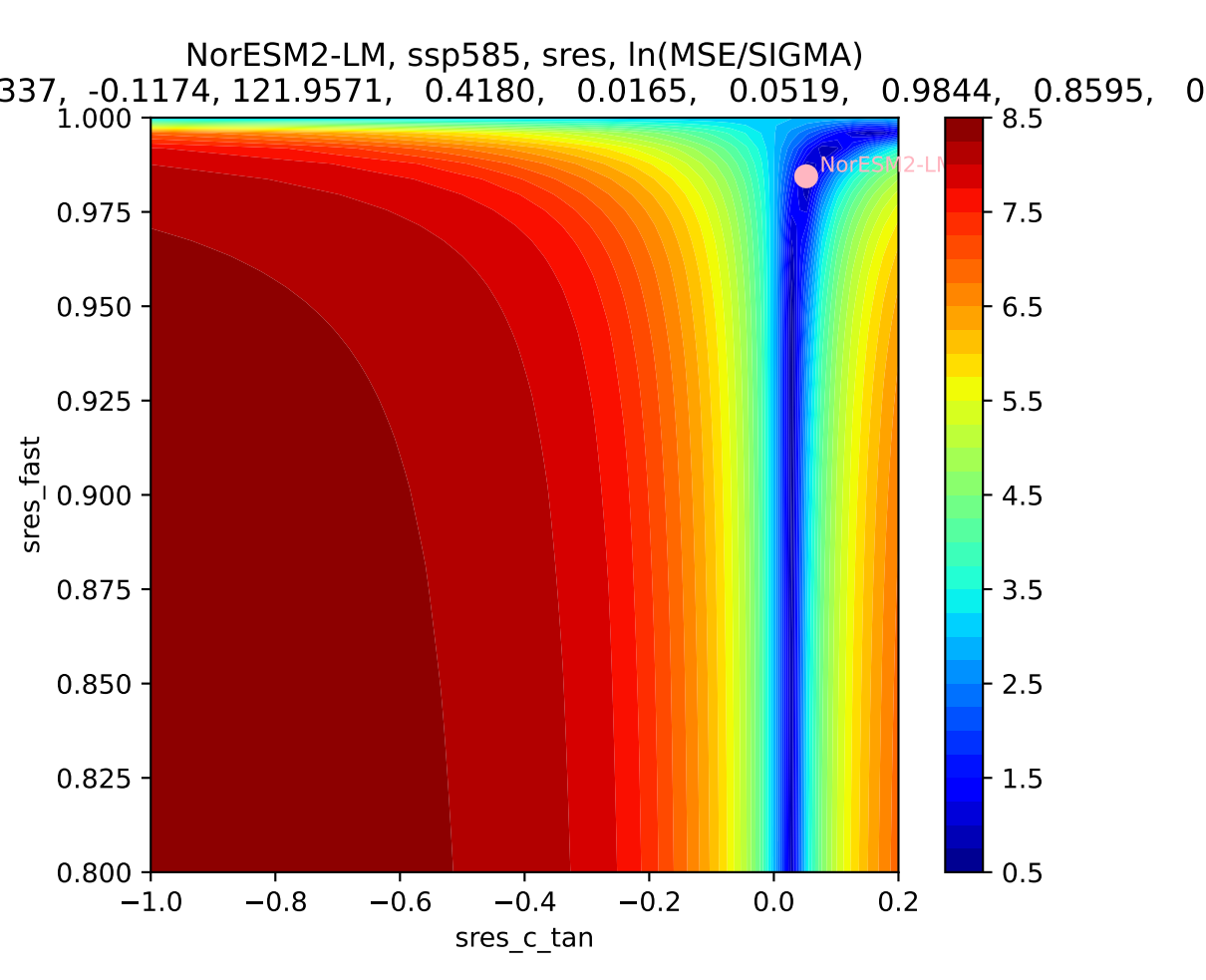

NorESM2-LM, ssp585, sres
ESM
Fit
sres
c_atm

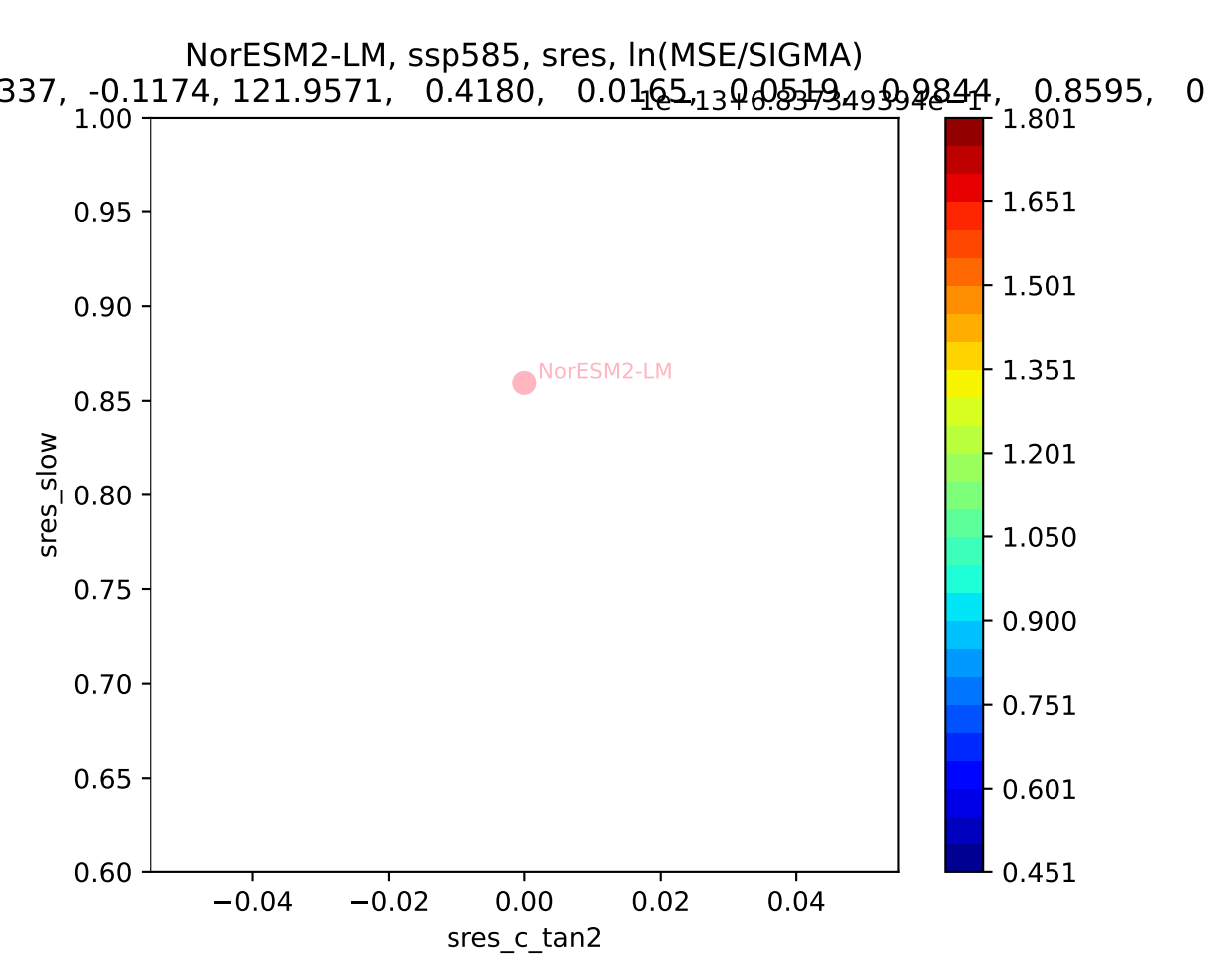

NorESM2-LM, ssp585, sres
ESM-Fit
sres, ESM - FIT
c_atm

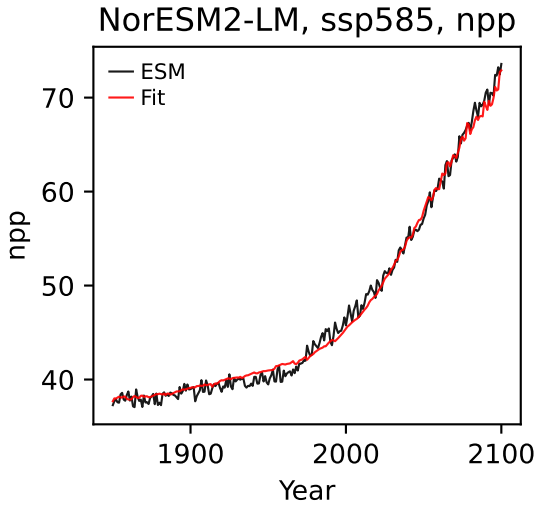

NorESM2-LM, ssp585, sres, ln(MSE/SIGMA)
337, -0.1174, 121.9571, 0.4180, 0.0165, 0.0519, 0.9844, 0.8595, 0
NorESM2-LM
sres_t_e
sres_t_l
−3
−2
−1
0
1
2
10.5
9.6
8.7
7.8
6.9
6.0
5.1
4.2
3.3
2.4

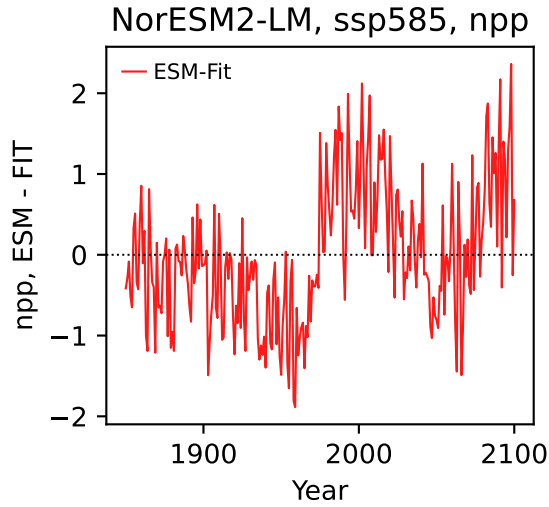

NorESM2-LM, ssp585, sres, ln(MSE/SIGMA)
337, -0.1174, 121.9571, 0.4180, 0.0165, 0.0519, 0.9844, 0.8595, 0
NorESM2-LM
sres_c_e
sres_c_l
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
5.4
4.8
4.2
3.6
3.0
2.4
1.8
1.2
0.6

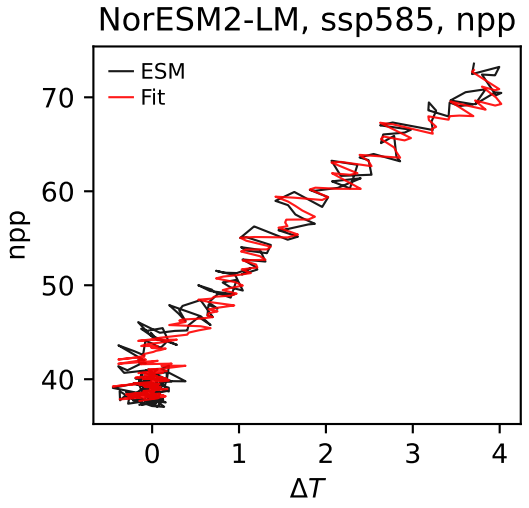

NorESM2-LM, ssp585, sres, ln(MSE/SIGMA)
337, -0.1174, 121.9571, 0.4180, 0.0165, 0.0519, 0.9844, 0.8595, 0
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
sres_hyst
NorESM2-LM
0
250
500
750
1000
1250
1500
1750
2000
sres_c_half
11.25
10.25
9.25
8.25
7.25
6.25
5.25
4.25
3.25

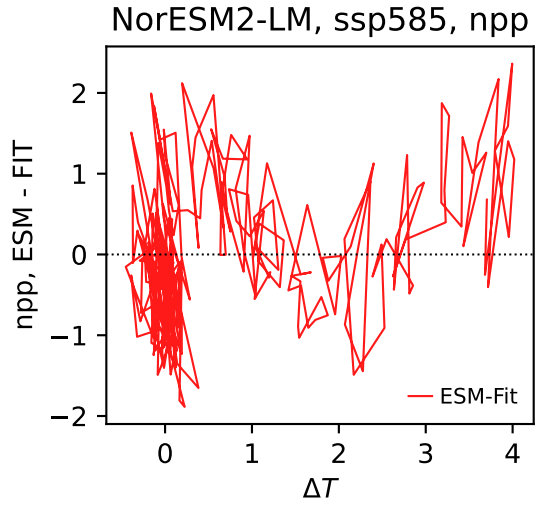

NorESM2-LM, ssp585, sres, ln(MSE/SIGMA)
337, -0.1174, 121.9571, 0.4180, 0.0165, 0.0519, 0.9844, 0.8595, 0
NorESM2-LM
sres_fast
sres_c_tan
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
8.5
7.5
6.5
5.5
4.5
3.5
2.5
1.5
0.5

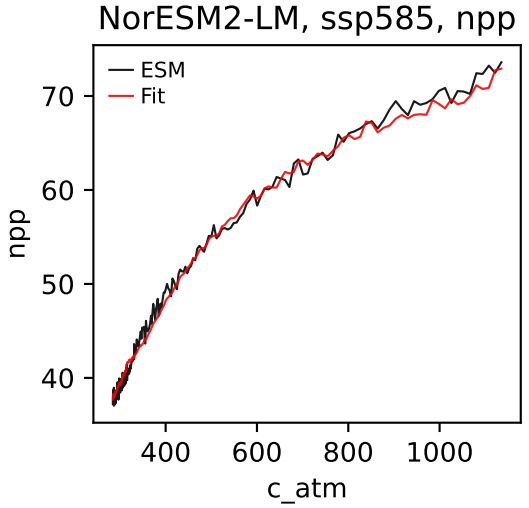

NorESM2-LM, ssp585, sres, ln(MSE/SIGMA)
337, -0.1174, 121.9571, 0.4180, 0.0165, -0.0519, 0.9844, 0.8595, 0
1e−13+6.837349394e−1
NorESM2-LM
sres_slow
sres_c_tan2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
1.801
1.651
1.501
1.351
1.201
1.050
0.900
0.751
0.601
0.451

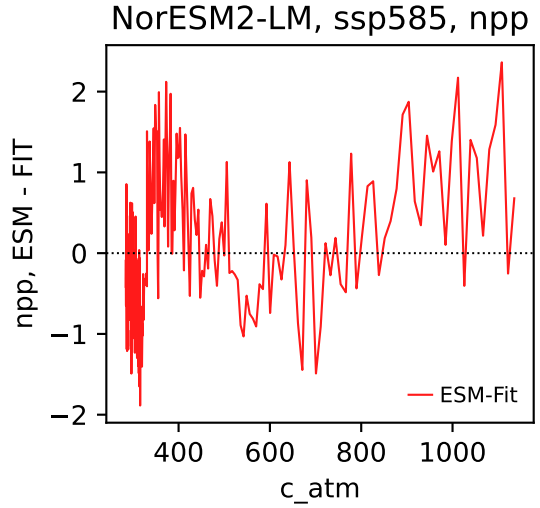

NorESM2-LM, ssp585, npp
ESM
Fit
npp
Year

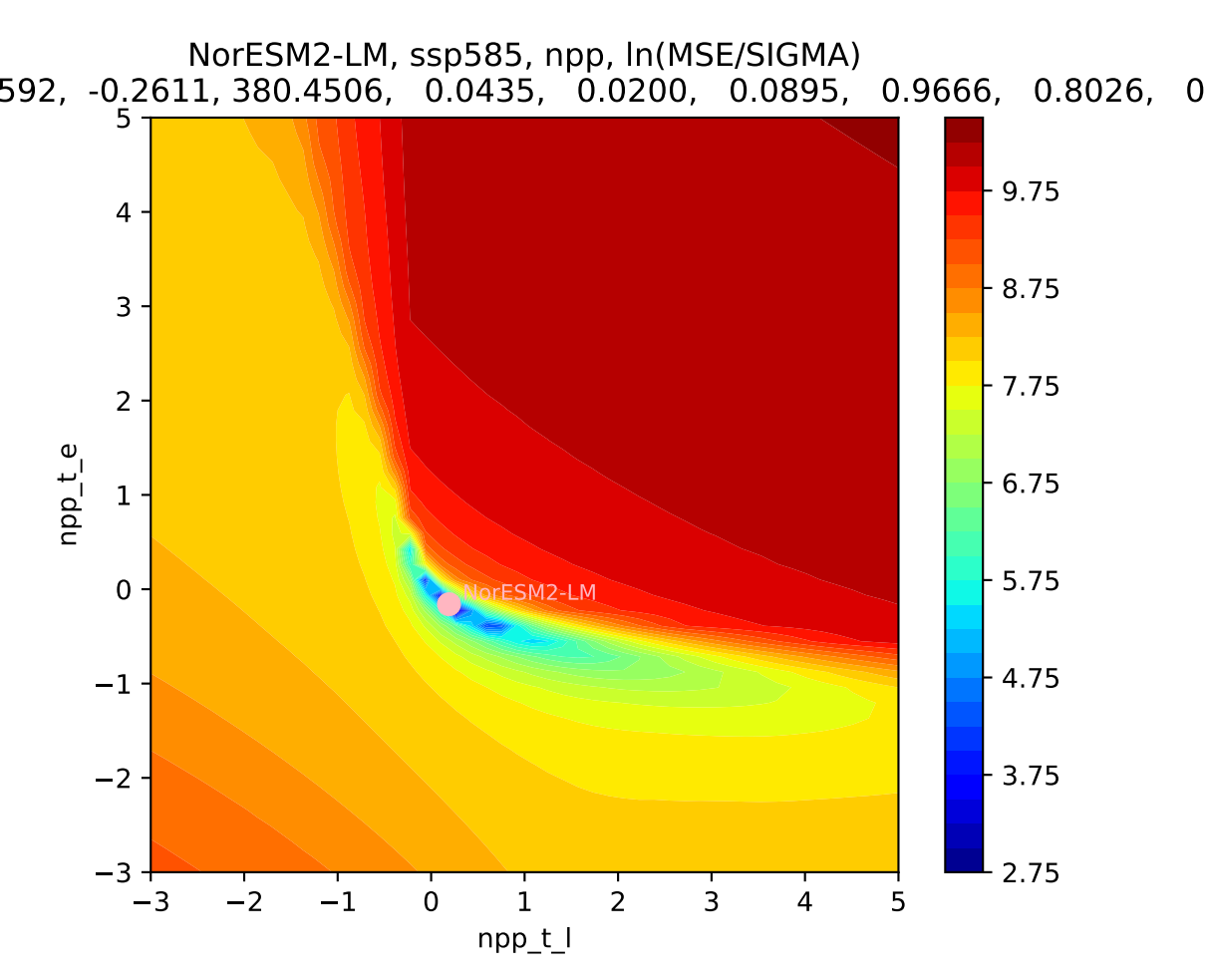

NorESM2-LM, ssp585, npp
ESM-Fit
npp, ESM - FIT
Year

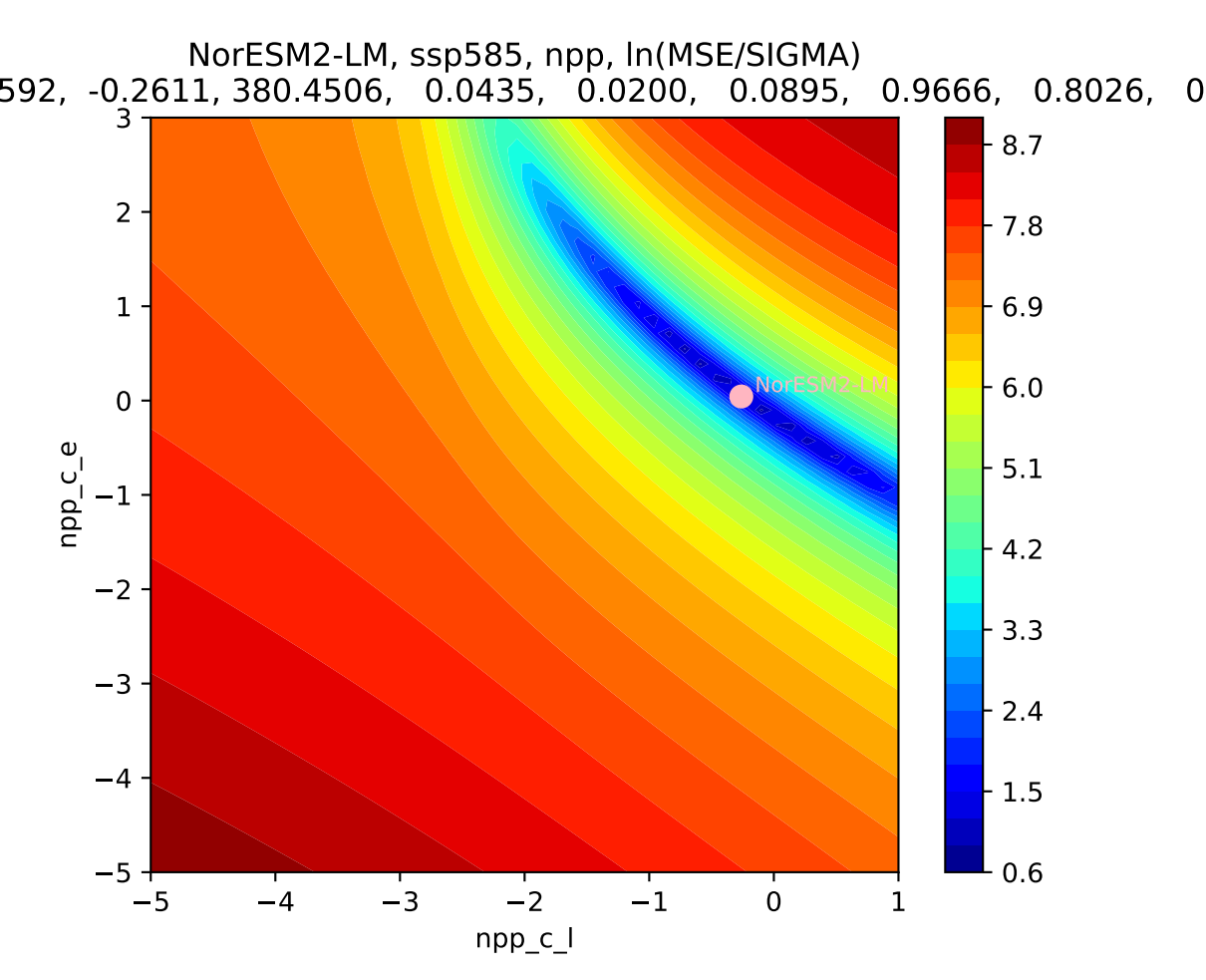

NorESM2-LM, ssp585, npp
ESM
Fit
npp
ΔT

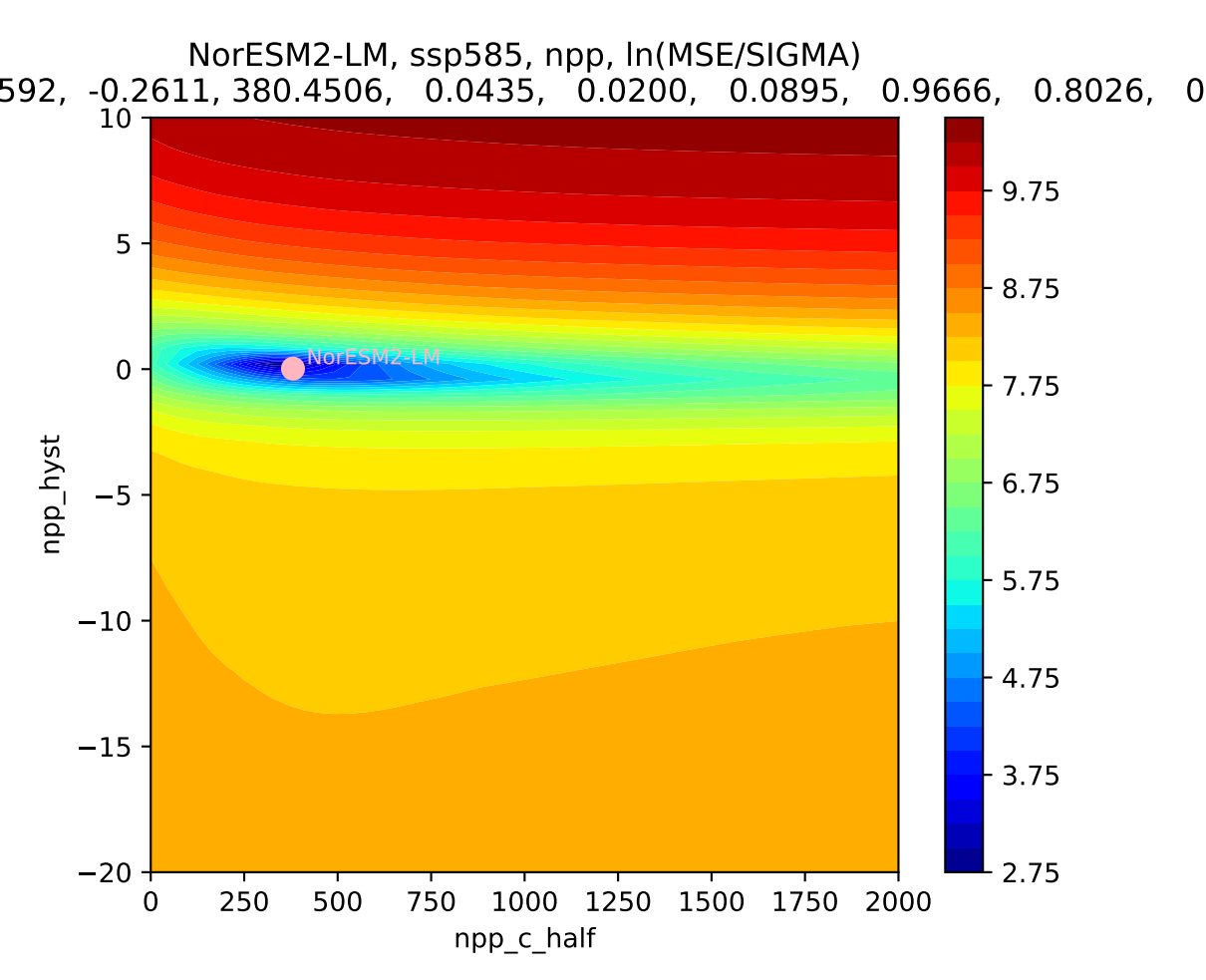

NorESM2-LM, ssp585, npp
ESM-Fit
npp, ESM - FIT
ΔT

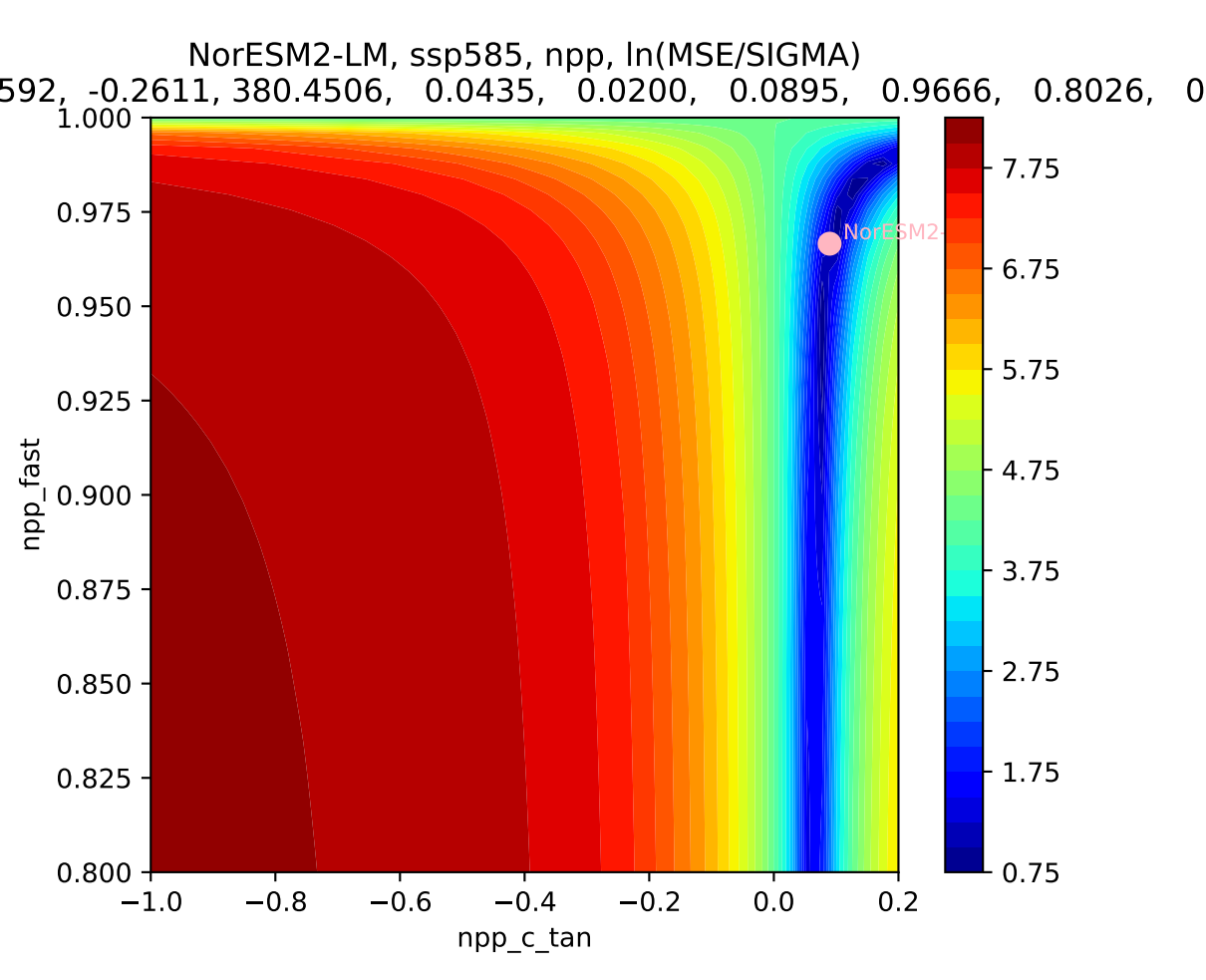

NorESM2-LM, ssp585, npp
ESM
Fit
npp
c_atm

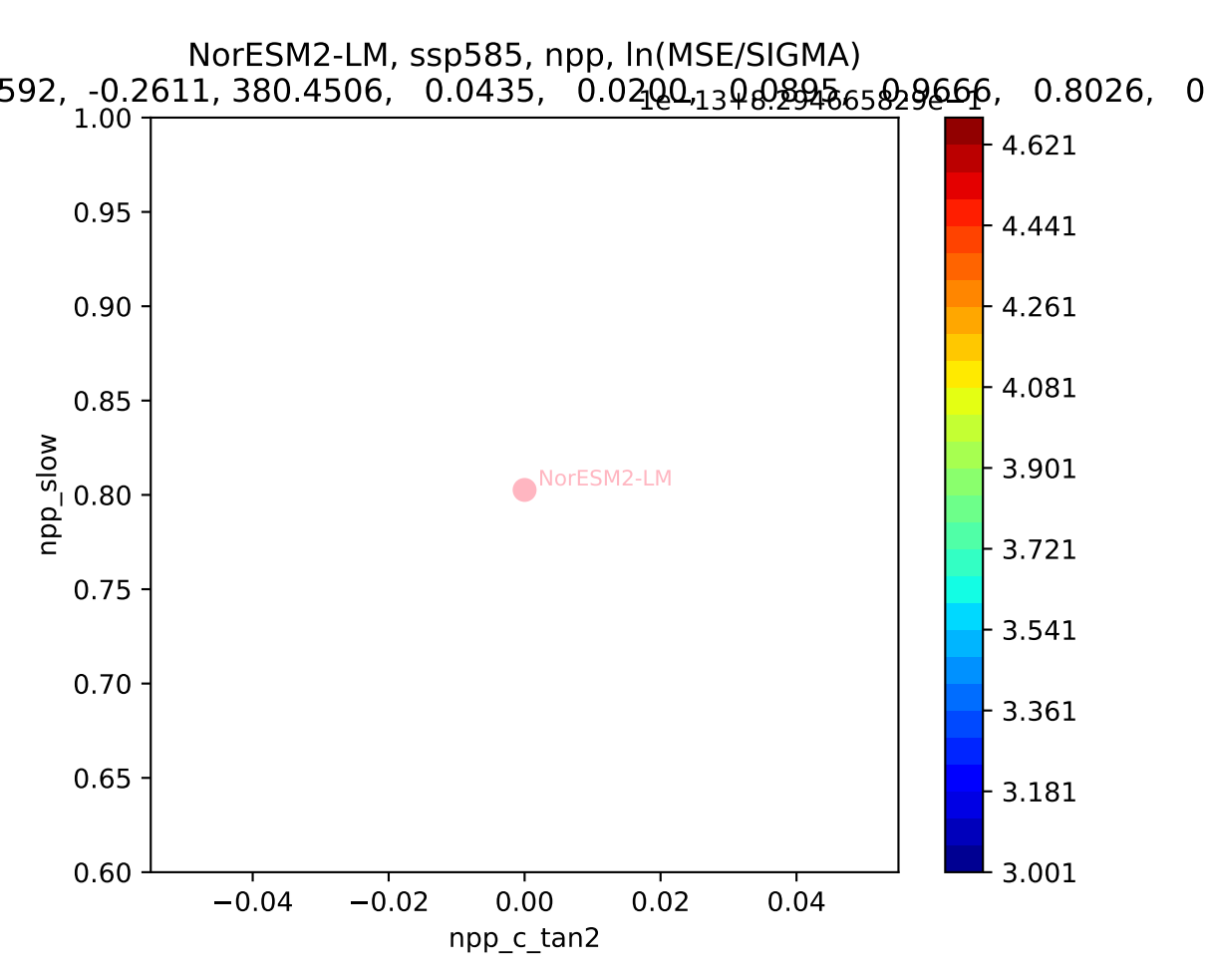

NorESM2-LM, ssp585, npp
ESM-Fit
npp, ESM - FIT
c_atm

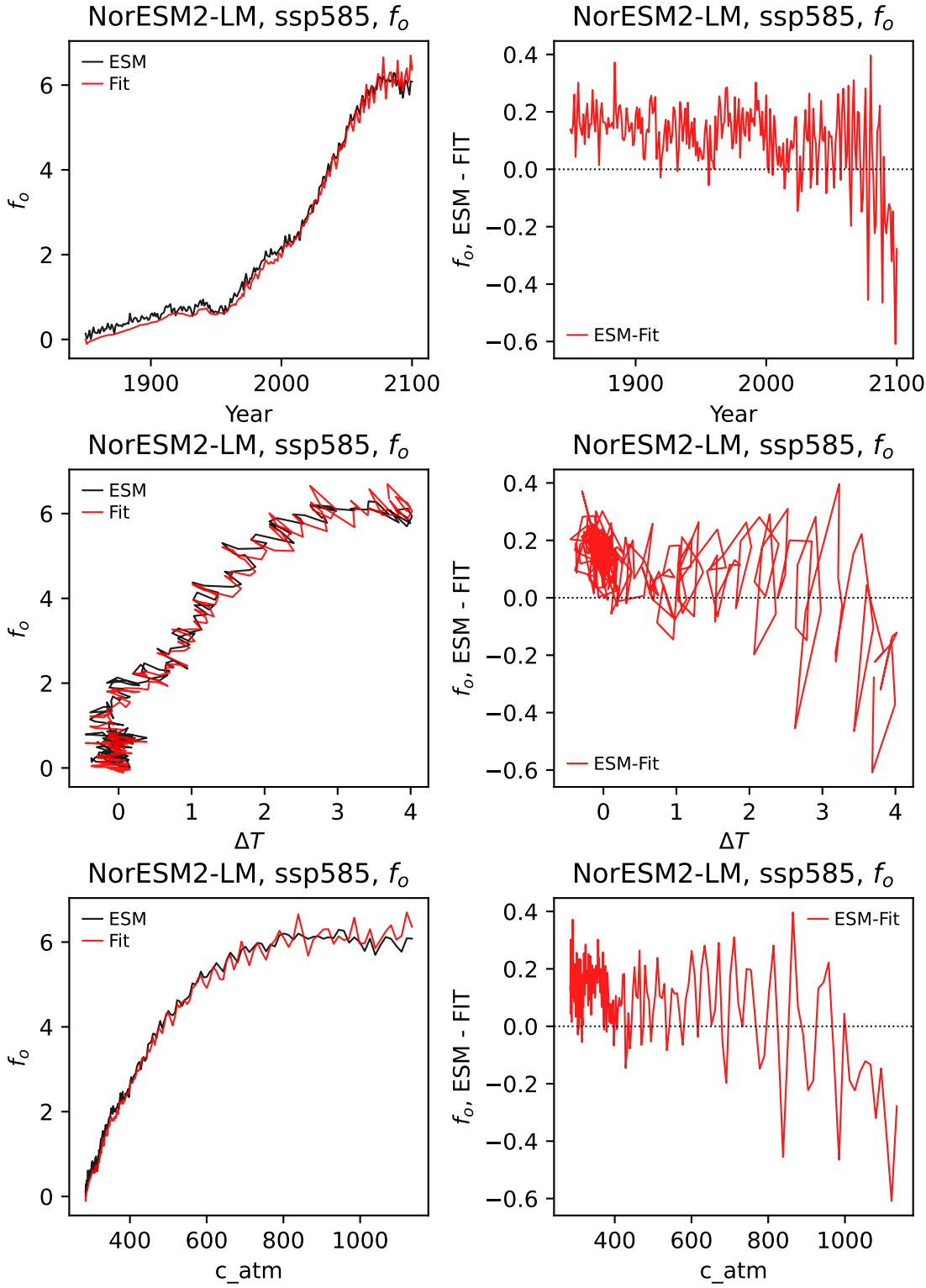

NorESM2-LM, ssp585, npp, ln(MSE/SIGMA)
592, -0.2611, 380.4506, 0.0435, 0.0200, 0.0895, 0.9666, 0.8026, 0
NorESM2-LM
npp_t_e
npp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
9.75
8.75
7.75
6.75
5.75
4.75
3.75
2.75

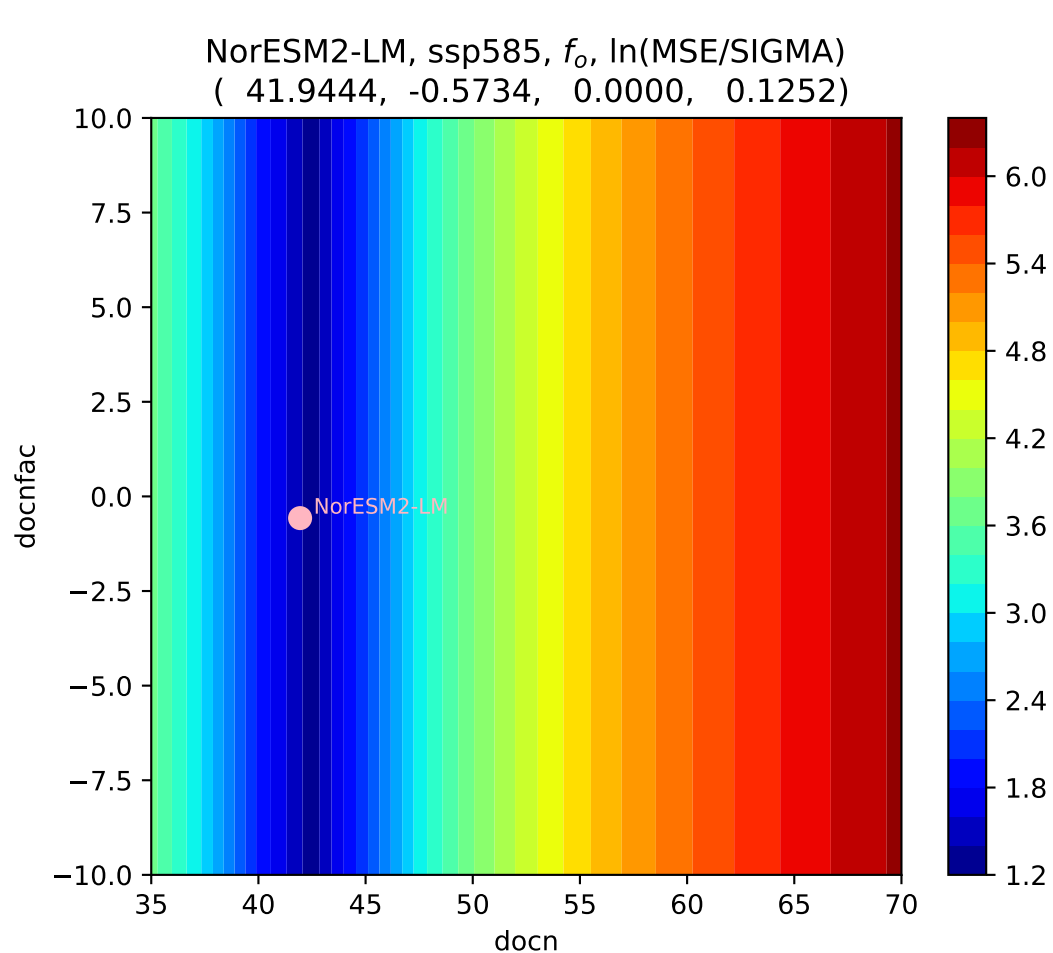

NorESM2-LM, ssp585, npp, ln(MSE/SIGMA)
592, -0.2611, 380.4506, 0.0435, 0.0200, 0.0895, 0.9666, 0.8026, 0
NorESM2-LM
npp_c_e
npp_c_l
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
8.7
7.8
6.9
6.0
5.1
4.2
3.3
2.4
1.5
0.6

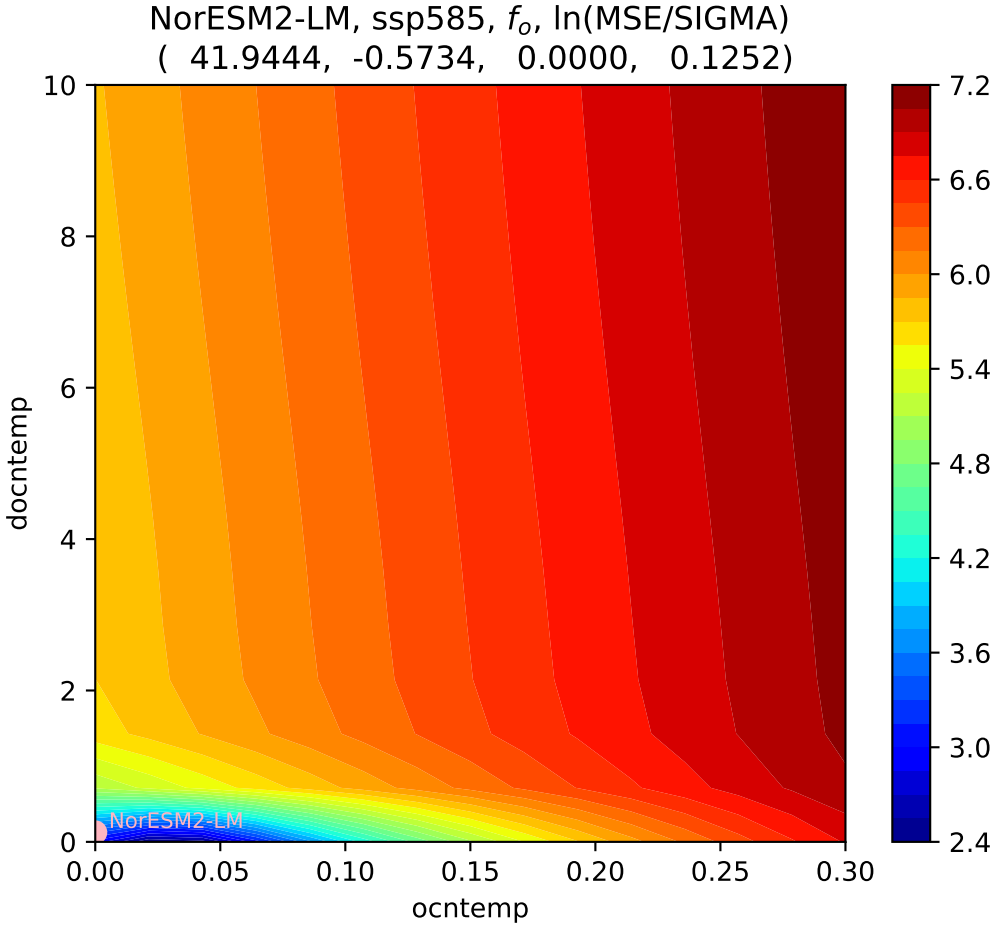

NorESM2-LM, ssp585, npp, ln(MSE/SIGMA)
592, -0.2611, 380.4506, 0.0435, 0.0200, 0.0895, 0.9666, 0.8026, 0
NorESM2-LM
npp_hyst
npp_c_half
10
5
0
−5
−10
−15
−20
0
250
500
750
1000
1250
1500
1750
2000
9.75
8.75
7.75
6.75
5.75
4.75
3.75
2.75


NorESM2-LM, ssp585, npp, ln(MSE/SIGMA)
592, -0.2611, 380.4506, 0.0435, 0.0200, 0.0895, 0.9666, 0.8026, 0
NorESM2
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
npp_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
npp_c_tan
7.75
6.75
5.75
4.75
3.75
2.75
1.75
0.75


NorESM2-LM, ssp585, npp, ln(MSE/SIGMA)
592, -0.2611, 380.4506, 0.0435, 0.0200, 0.0895, 0.9666, 0.8026, 0
1e−13+8.294665829e−1
NorESM2-LM
npp_slow
npp_c_tan2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
4.621
4.441
4.261
4.081
3.901
3.721
3.541
3.361
3.181
3.001


NorESM2-LM, ssp585, f_o
ESM
Fit
f_o
Year
NorESM2-LM, ssp585, f_o
f_o, ESM - FIT
ESM-Fit
Year
NorESM2-LM, ssp585, f_o
ESM
Fit
f_o
ΔT
NorESM2-LM, ssp585, f_o
f_o, ESM - FIT
ESM-Fit
ΔT
NorESM2-LM, ssp585, f_o
ESM
Fit
f_o
c_atm
NorESM2-LM, ssp585, f_o
f_o, ESM - FIT
ESM-Fit
c_atm


NorESM2-LM, ssp585, f_o, ln(MSE/SIGMA)
(41.9444, -0.5734, 0.0000, 0.1252)
NorESM2-LM
docnfac
docn
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
35
40
45
50
55
60
65
70
6.0
5.4
4.8
4.2
3.6
3.0
2.4
1.8
1.2


NorESM2-LM, ssp585, f_o, ln(MSE/SIGMA)
(41.9444, -0.5734, 0.0000, 0.1252)
docntemp
ocntemp
NorESM2-LM
0
2
4
6
8
10
0.00
0.05
0.10
0.15
0.20
0.25
0.30
2.4
3.0
3.6
4.2
4.8
5.4
6.0
6.6
7.2