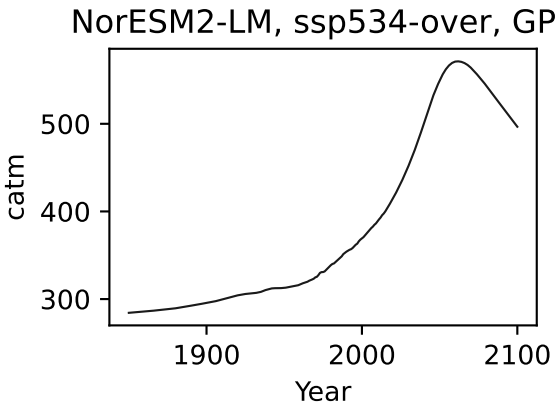
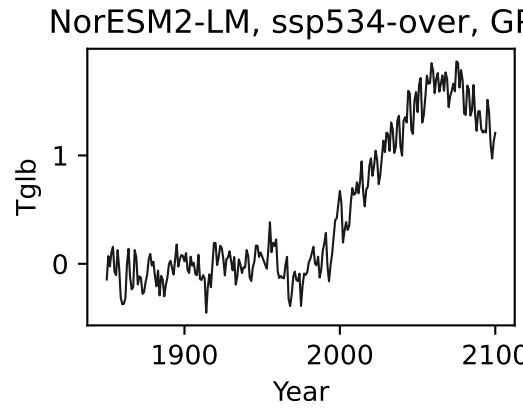
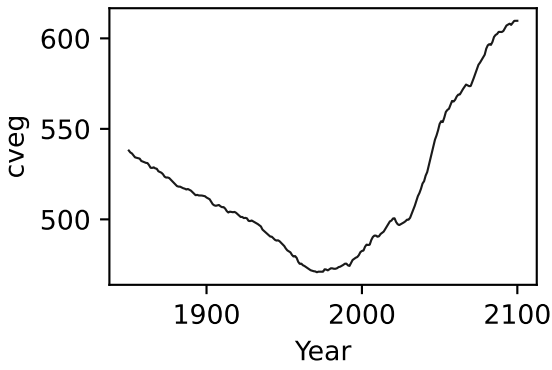
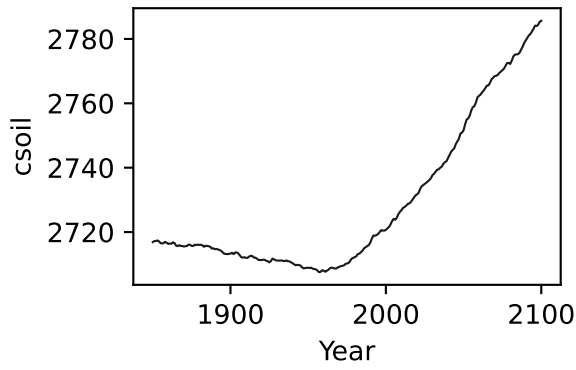
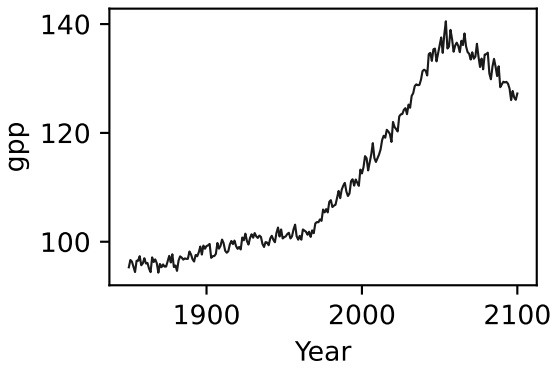
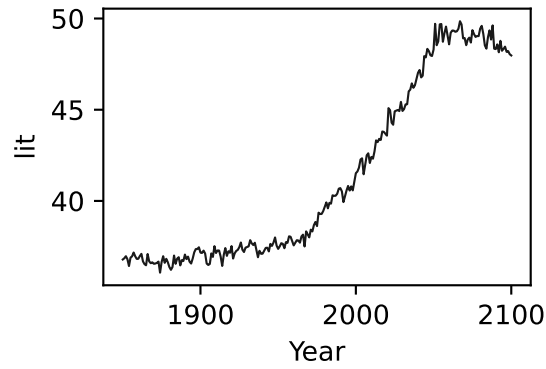

NorESM2-LM, ssp534-over, GPP
catm
500
400
300
1900
2000
2100
Year

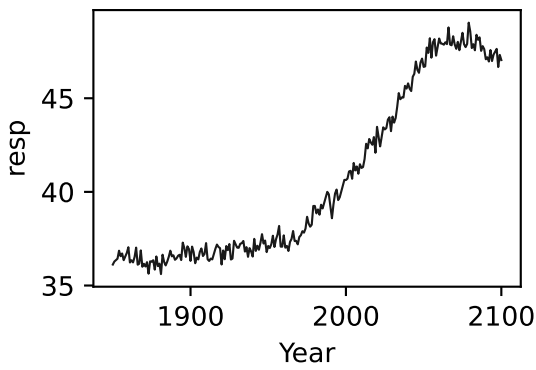

NorESM2-LM, ssp534-over, GPP
Tglb
1
0
1900
2000
2100
Year

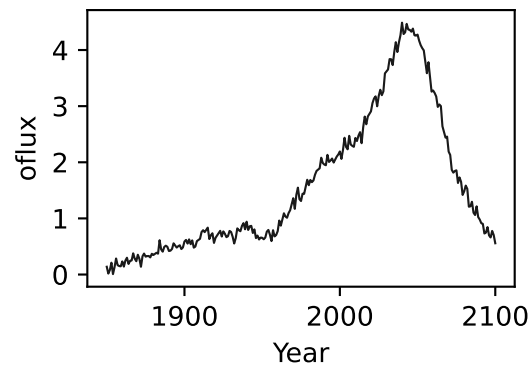

cveg
600
550
500
1900
2000
2100
Year

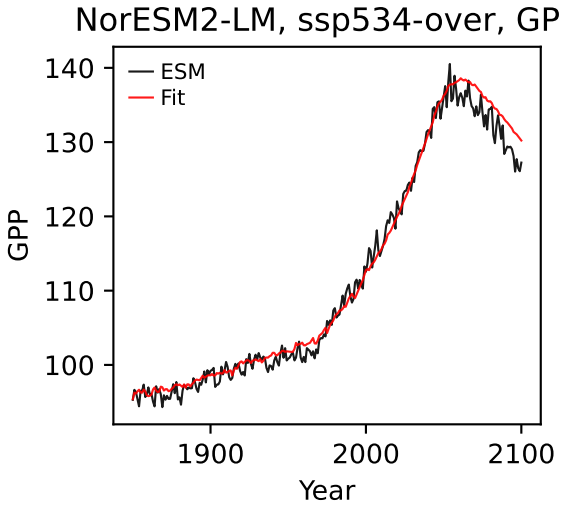

csoil
2780
2760
2740
2720
1900
2000
2100
Year

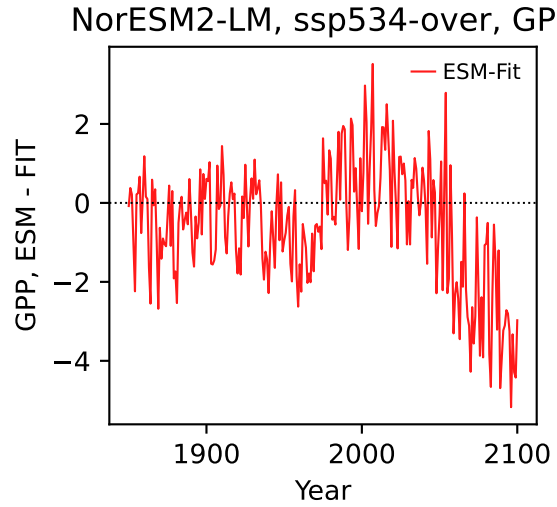

gpp
140
120
100
1900
2000
2100
Year

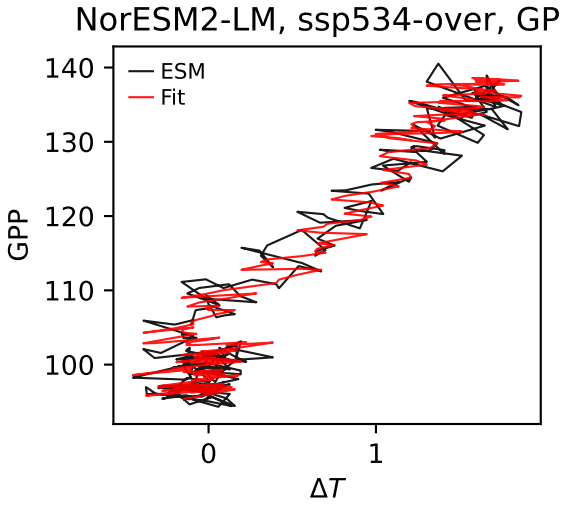

lit
50
45
40
1900
2000
2100
Year

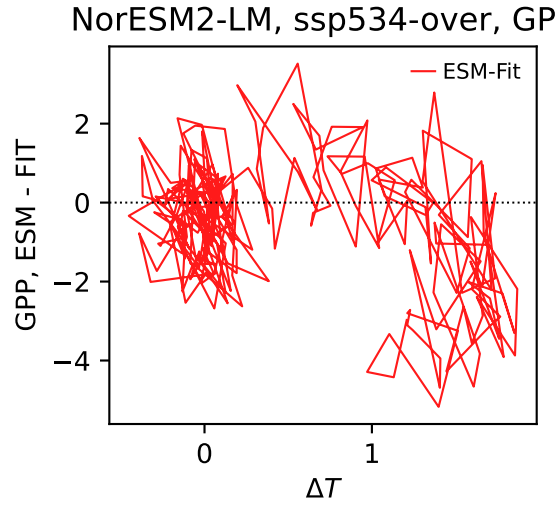

resp
45
40
35
1900
2000
2100
Year

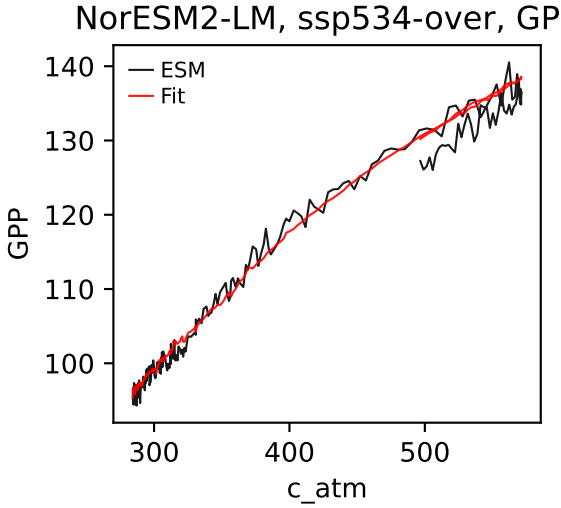

oflux
4
3
2
1
0
1900
2000
2100
Year

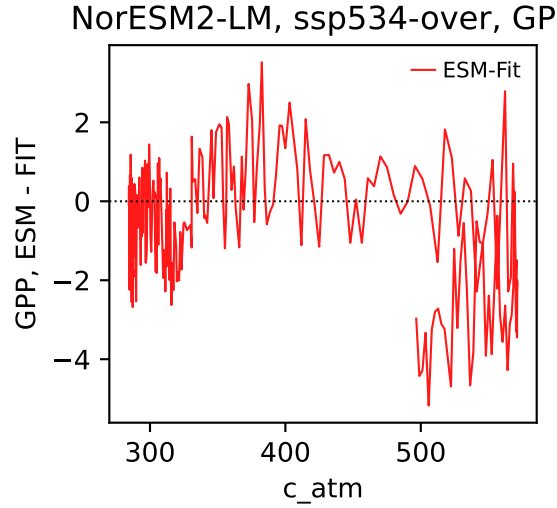

NorESM2-LM, ssp534-over, GPP
ESM
Fit
GPP
Year

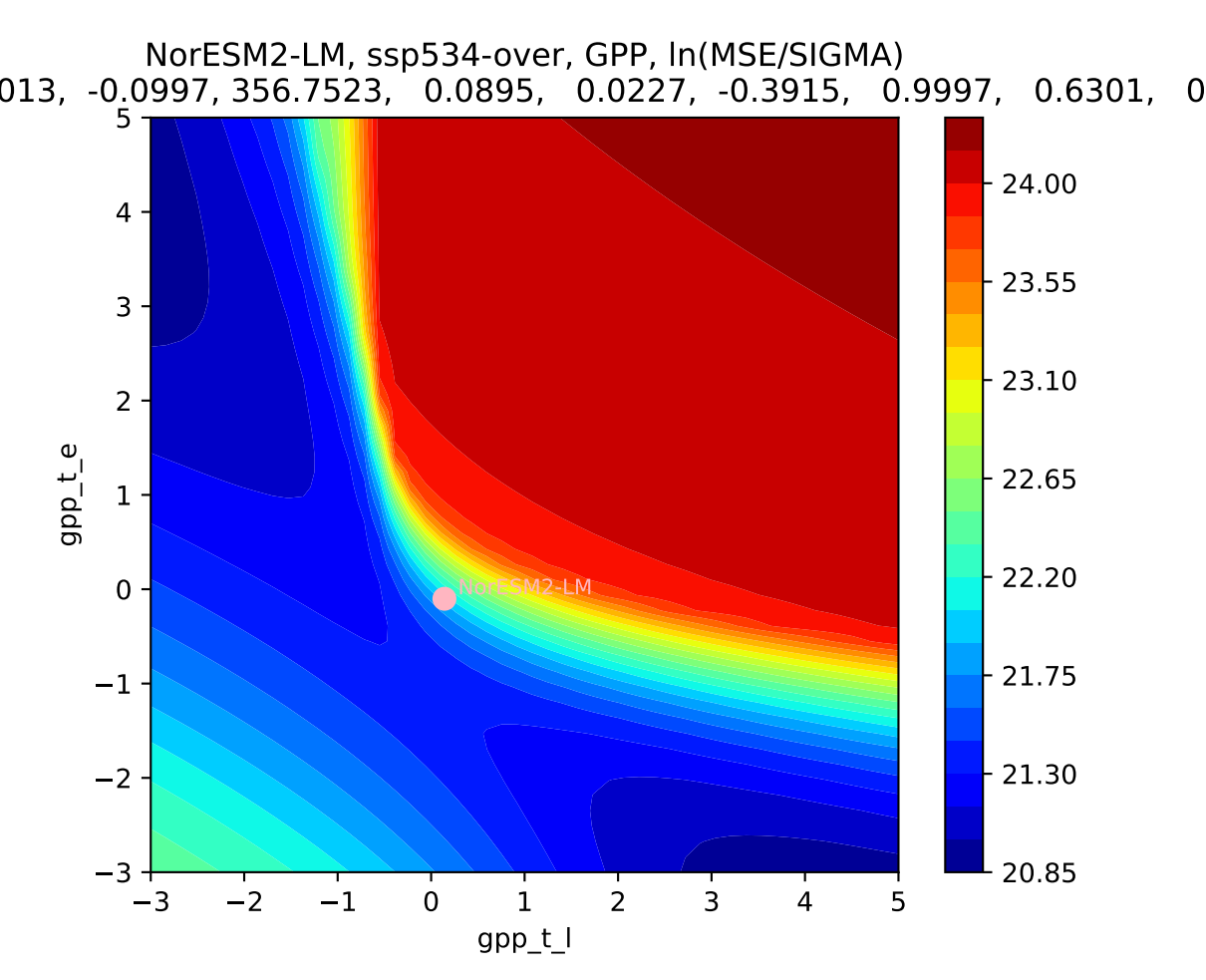

NorESM2-LM, ssp534-over, GPP
ESM-Fit
GPP, ESM - FIT
Year

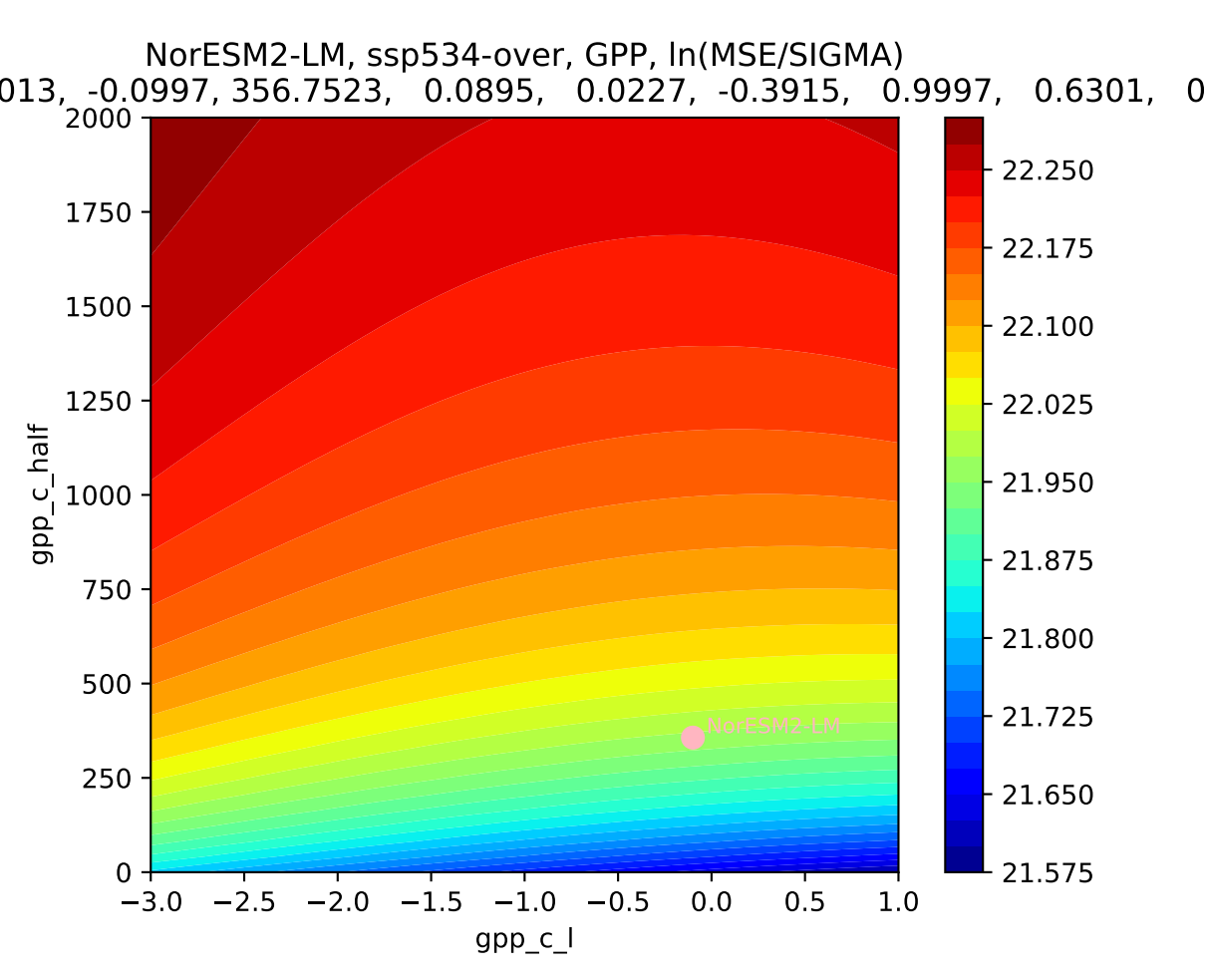

NorESM2-LM, ssp534-over, GPP
ESM
Fit
GPP
ΔT

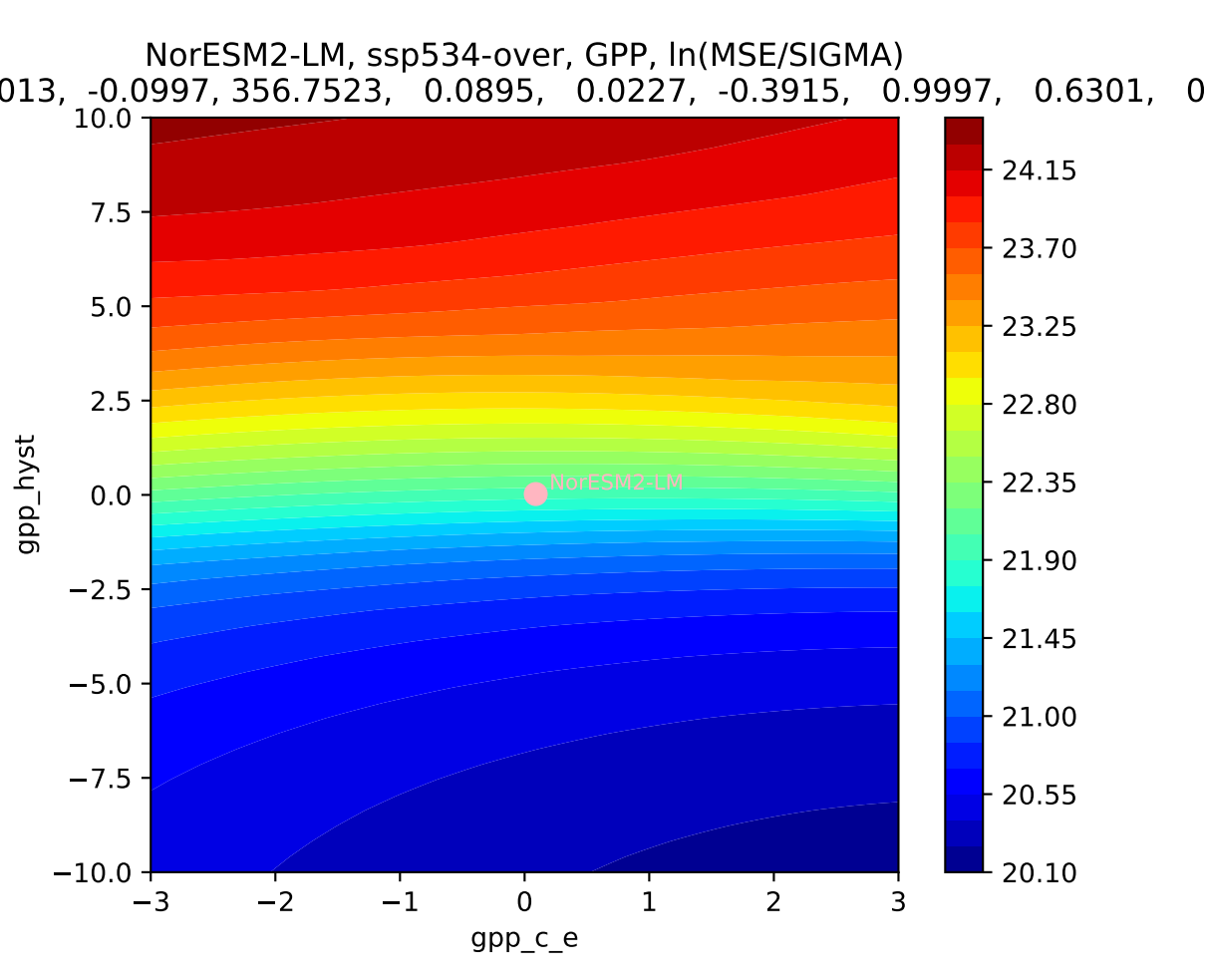

NorESM2-LM, ssp534-over, GPP
ESM-Fit
GPP, ESM - FIT
ΔT


NorESM2-LM, ssp534-over, GPP
ESM
Fit
GPP
c_atm


NorESM2-LM, ssp534-over, GPP
ESM-Fit
GPP, ESM - FIT
c_atm


NorESM2-LM, ssp534-over, 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, ssp534-over, 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
22.250
22.175
22.100
22.025
21.950
21.875
21.800
21.725
21.650
21.575


NorESM2-LM, ssp534-over, 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
24.15
23.70
23.25
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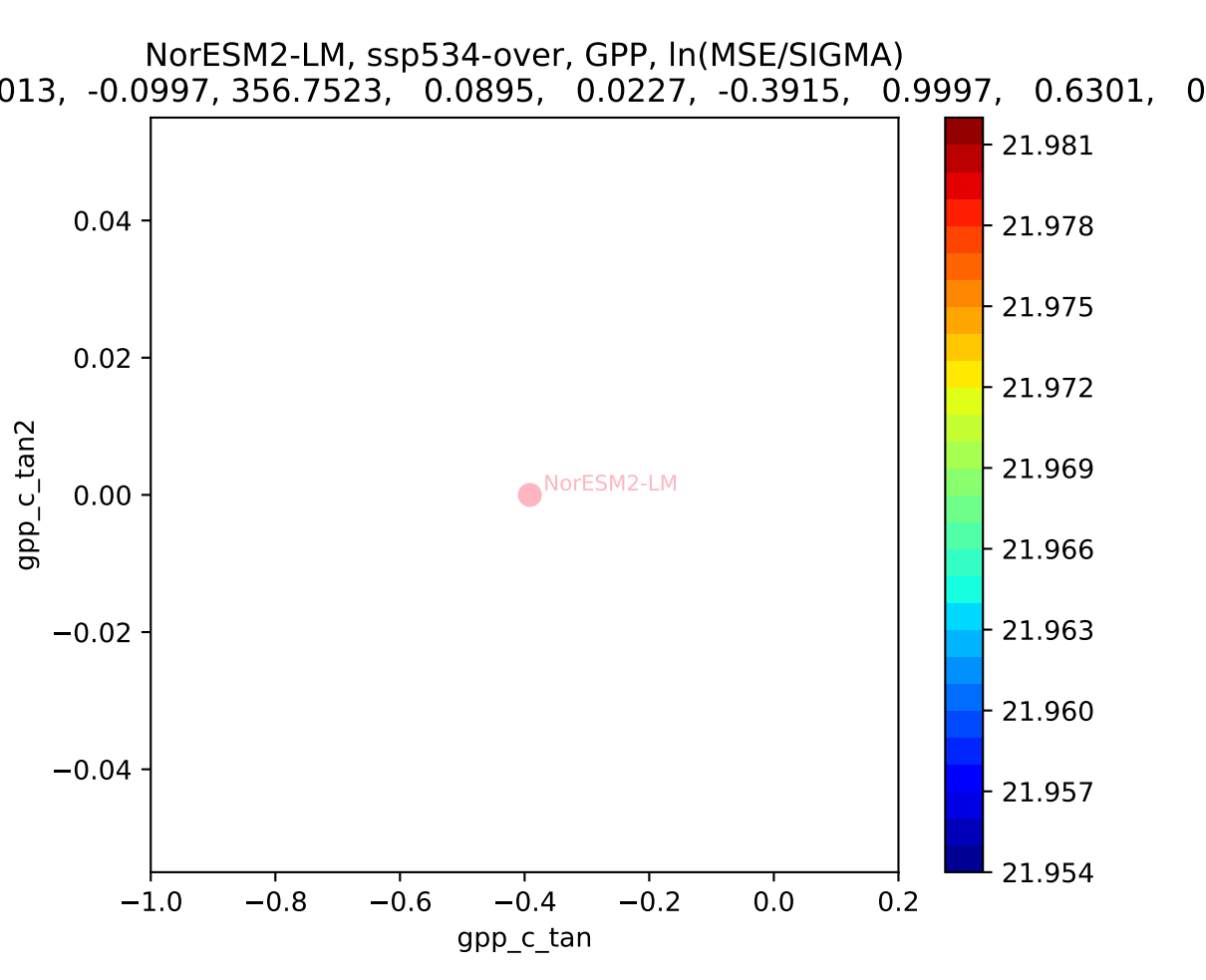
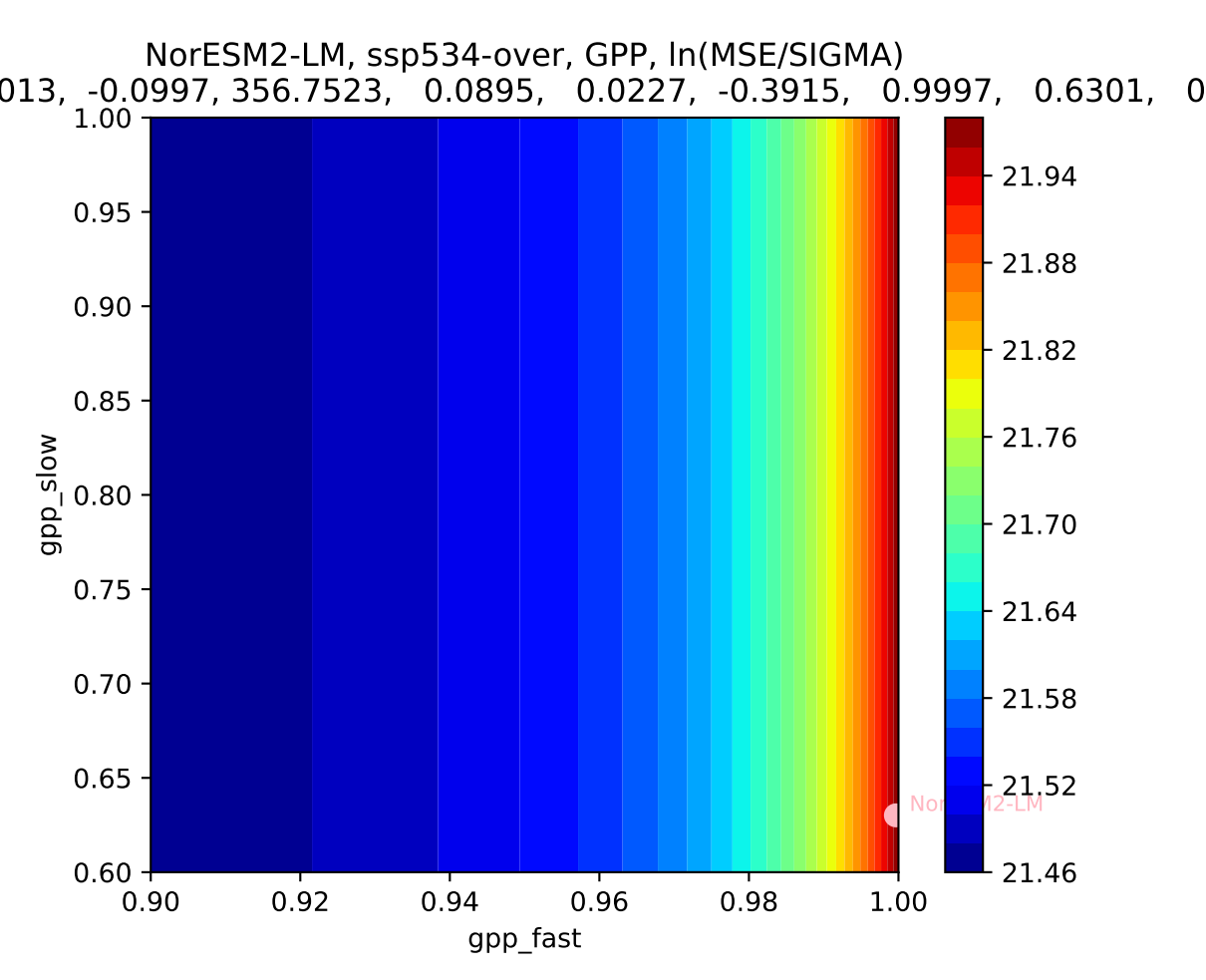
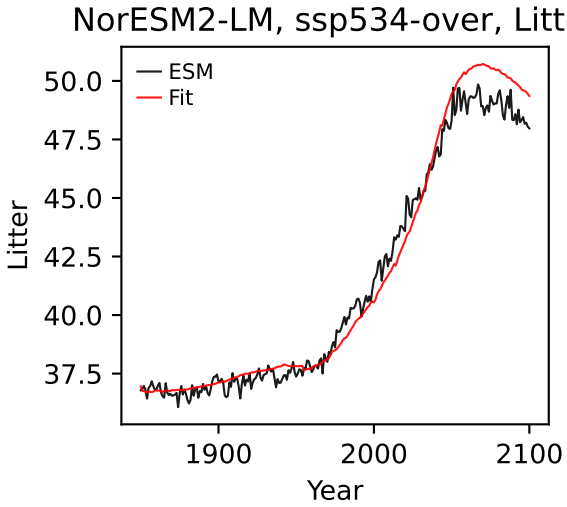
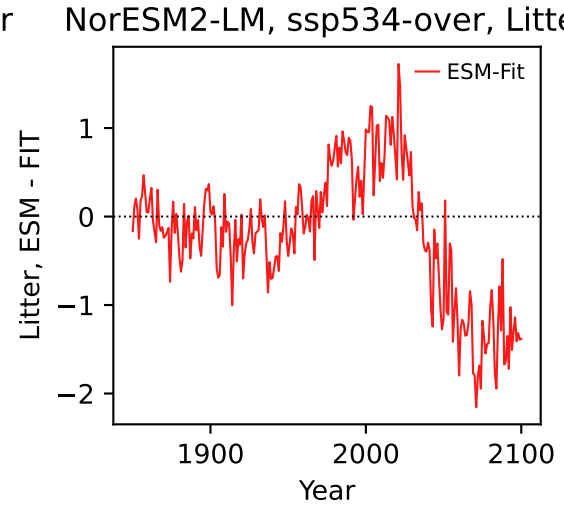
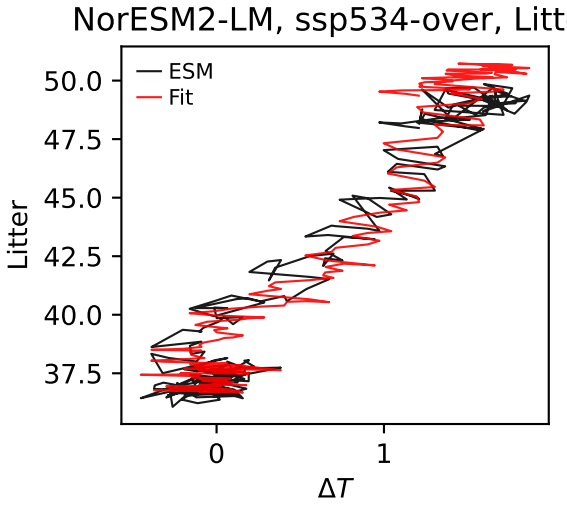
22.35
21.90
21.45
21.00
20.55
20.10

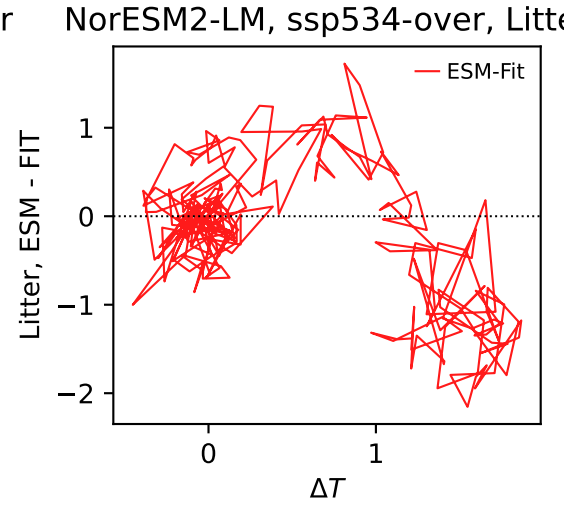

NorESM2-LM, ssp534-over, GPP, ln(MSE/SIGMA)
013, -0.0997, 356.7523, 0.0895, 0.0227, -0.3915, 0.9997, 0.6301, 0
NorESM2-LM
gpp_c_tan2
gpp_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
21.981
21.978
21.975
21.972
21.969
21.966
21.963
21.960
21.957
21.954

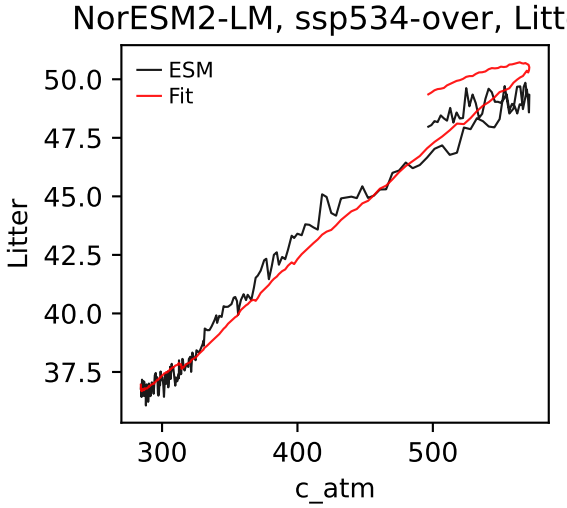

NorESM2-LM, ssp534-over, GPP, ln(MSE/SIGMA)
013, -0.0997, 356.7523, 0.0895, 0.0227, -0.3915, 0.9997, 0.6301, 0
gpp_slow
gpp_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
21.94
21.88
21.82
21.76
21.70
21.64
21.58
21.52
21.46

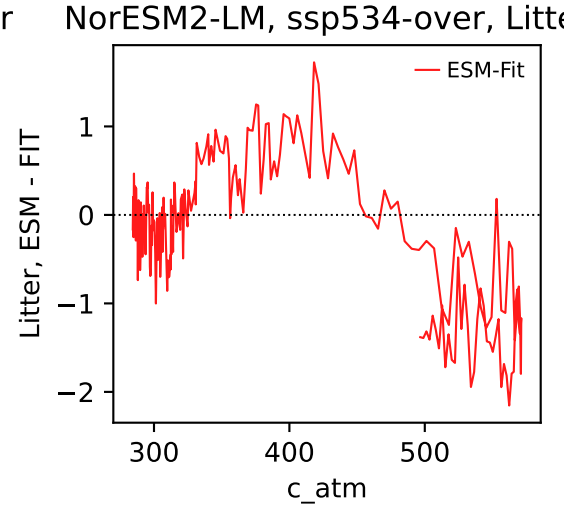

NorESM2-LM, ssp534-over, Litter
ESM
Fit
Litter
Year

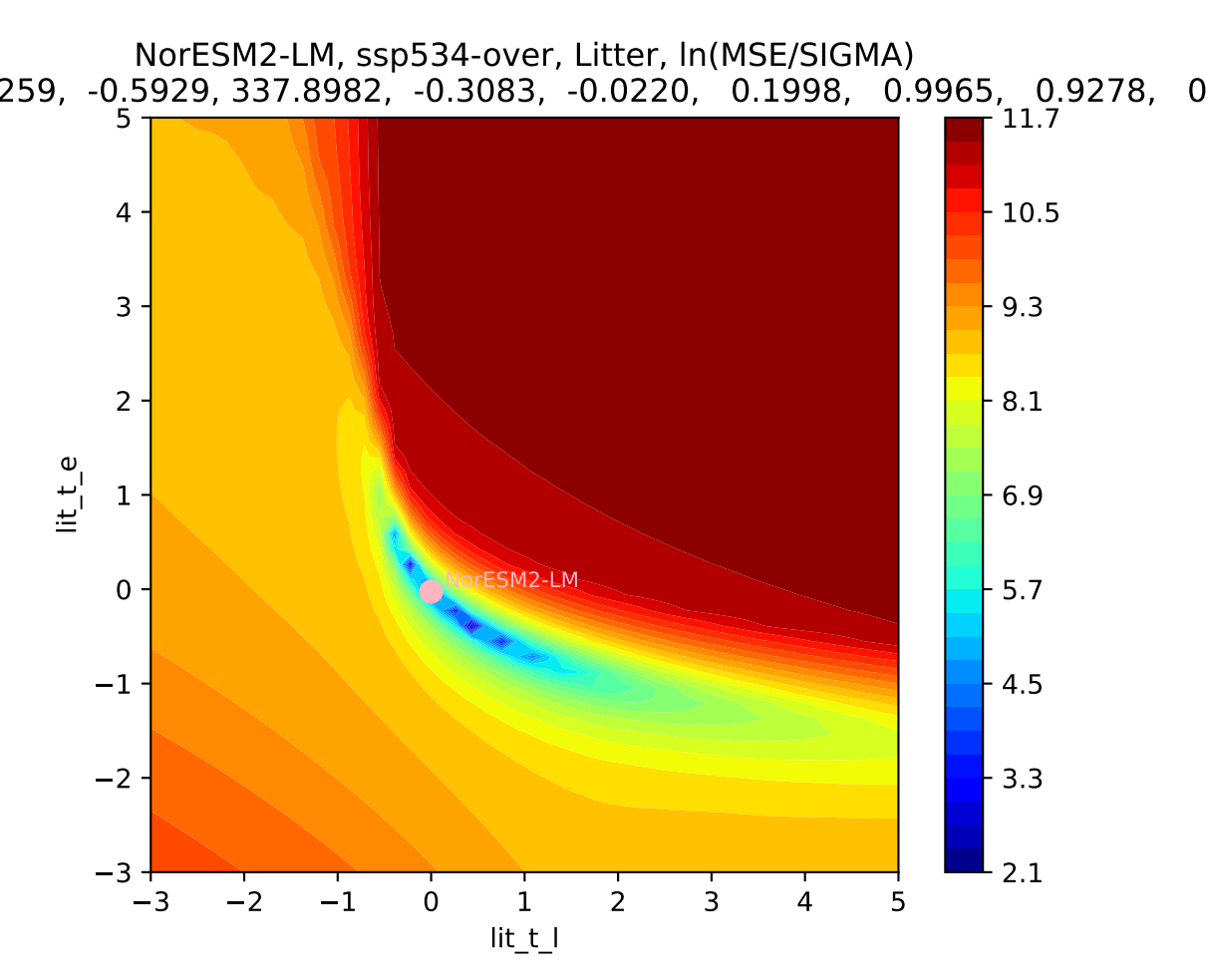

NorESM2-LM, ssp534-over, Litte
ESM-Fit
Litter, ESM - FIT
Year

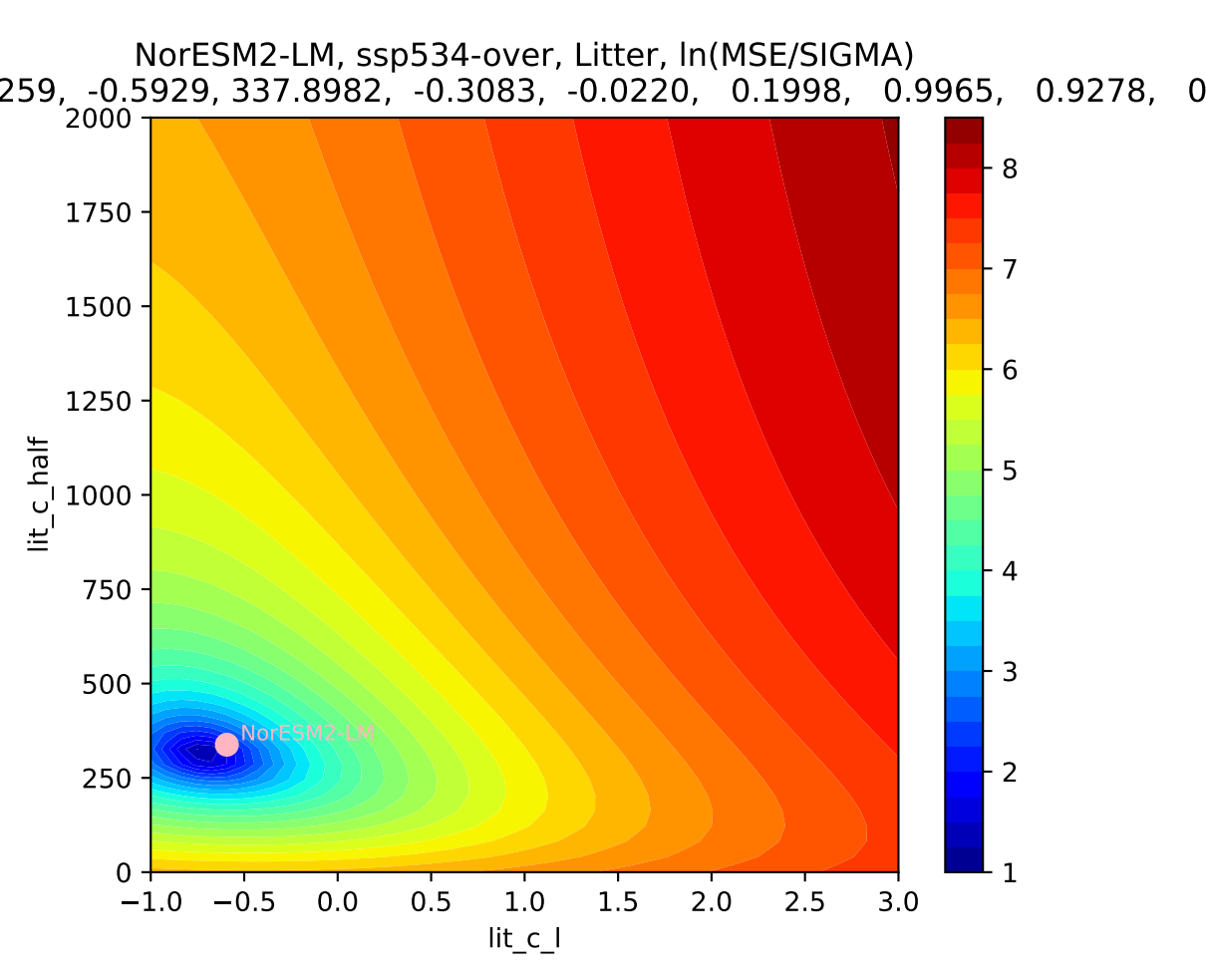

NorESM2-LM, ssp534-over, Litter
ESM
Fit
Litter
ΔT

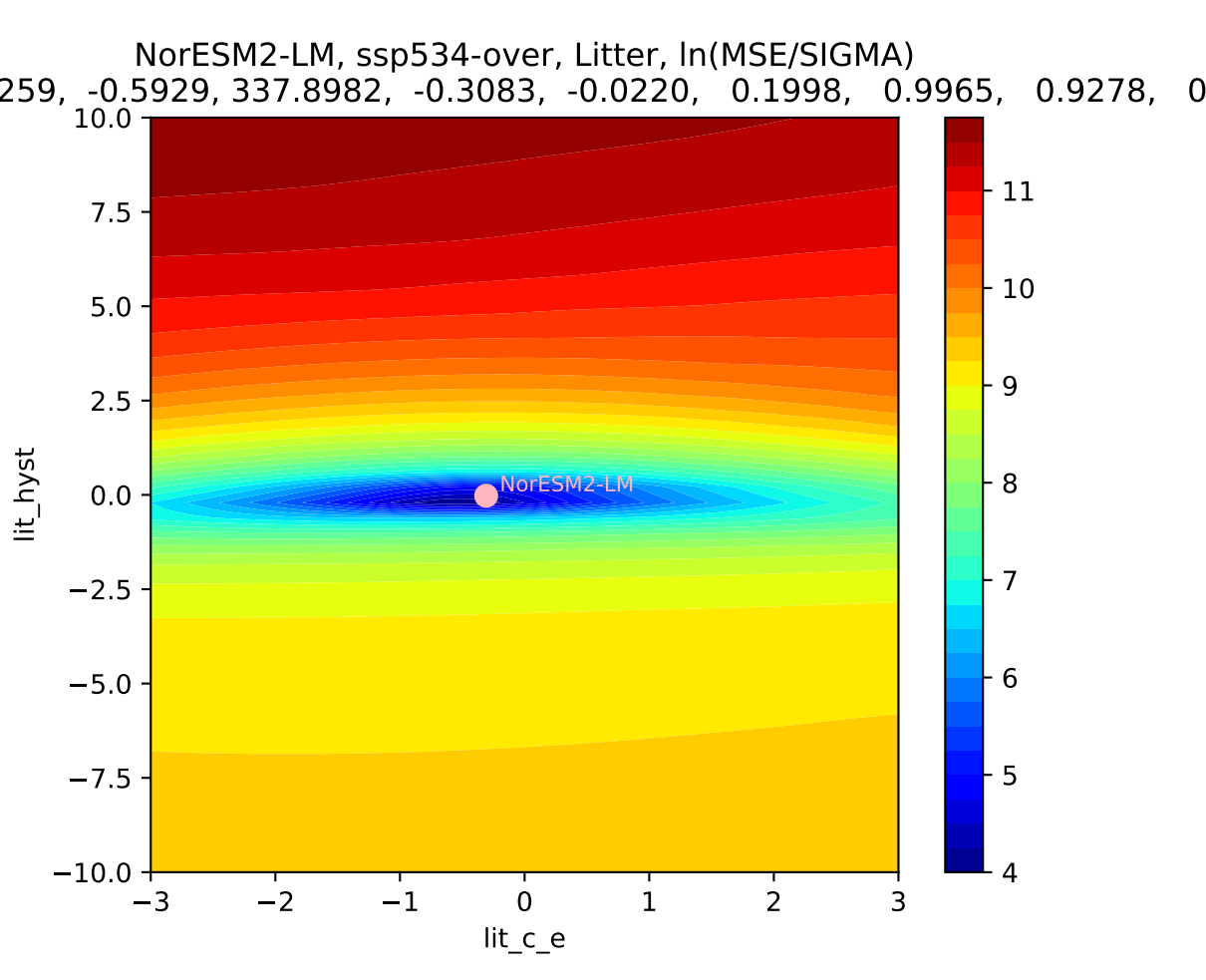

NorESM2-LM, ssp534-over, Litte
ESM-Fit
Litter, ESM - FIT
ΔT

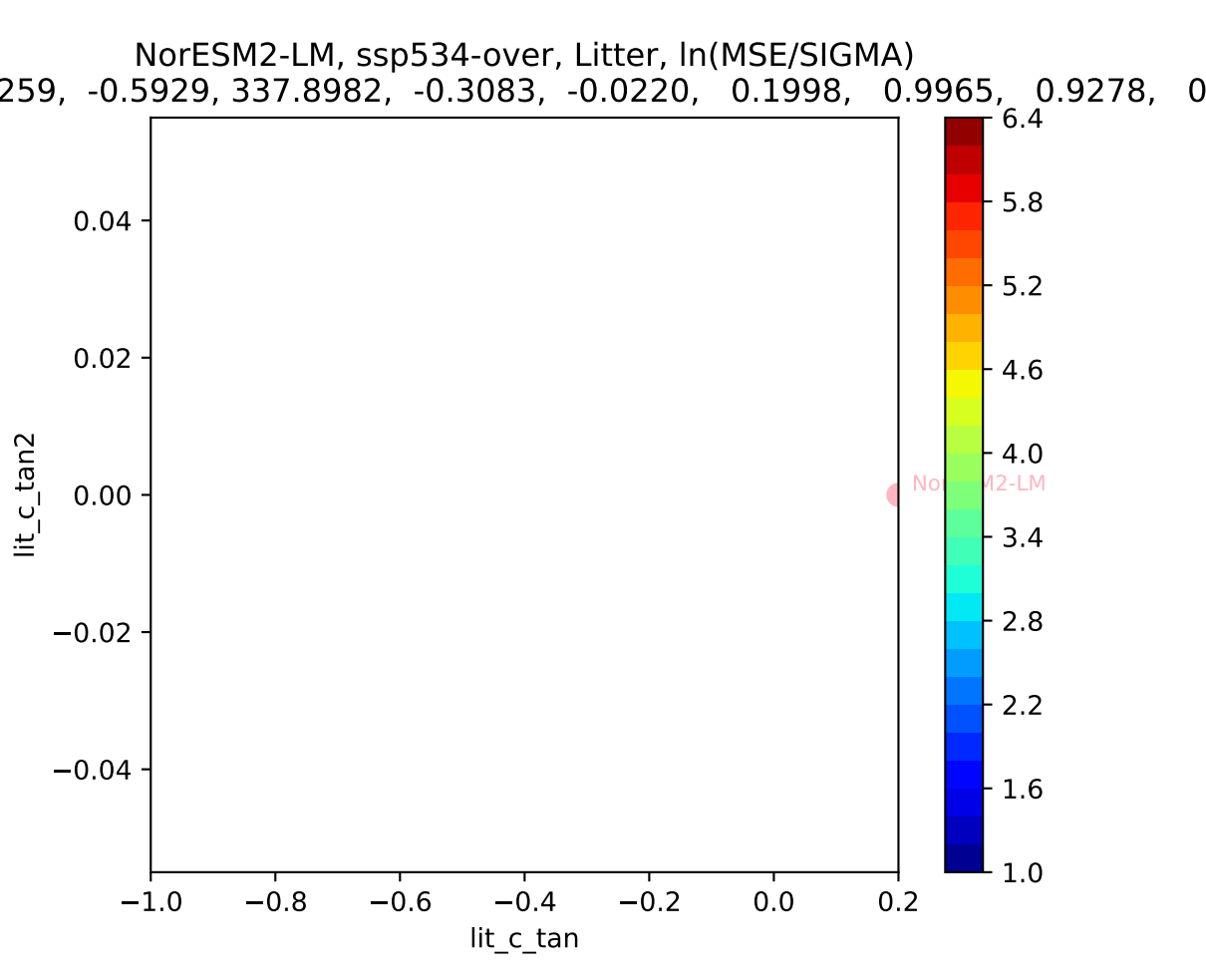

NorESM2-LM, ssp534-over, Litter
ESM
Fit
Litter
c_atm

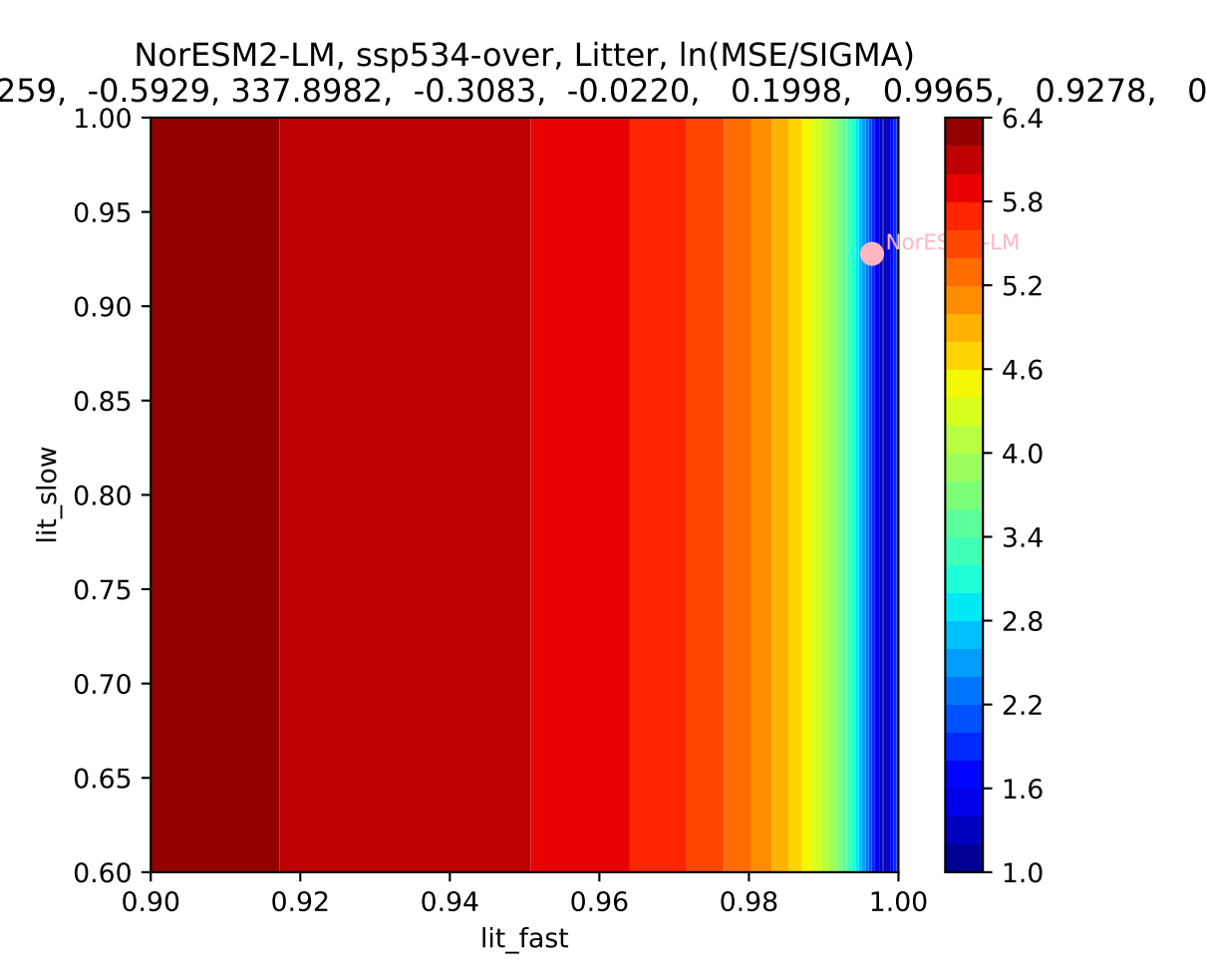

NorESM2-LM, ssp534-over, Litte
ESM-Fit
Litter, ESM - FIT
c_atm

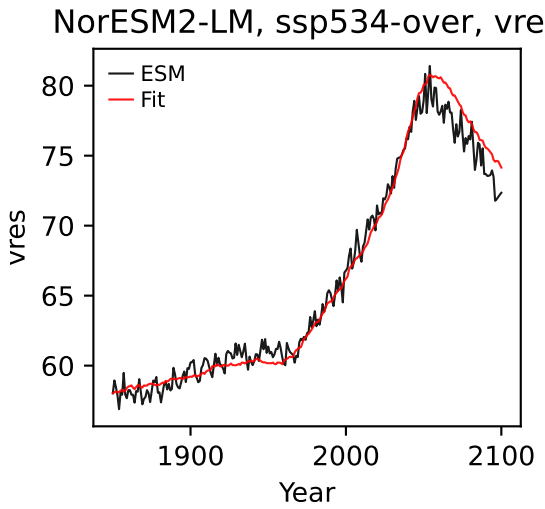

NorESM2-LM, ssp534-over, Litter, ln(MSE/SIGMA)
259, -0.5929, 337.8982, -0.3083, -0.0220, 0.1998, 0.9965, 0.9278, 0
NorESM2-LM
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
11.7
10.5
9.3
8.1
6.9
5.7
4.5
3.3
2.1

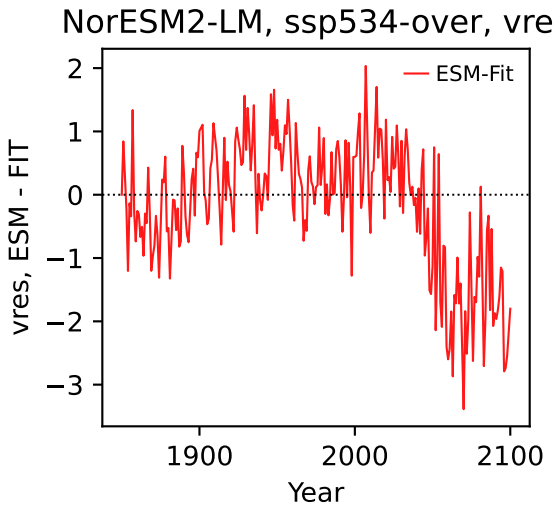

NorESM2-LM, ssp534-over, Litter, ln(MSE/SIGMA)
259, -0.5929, 337.8982, -0.3083, -0.0220, 0.1998, 0.9965, 0.9278, 0
lit_c_half
lit_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
8
7
6
5
4
3
2
1

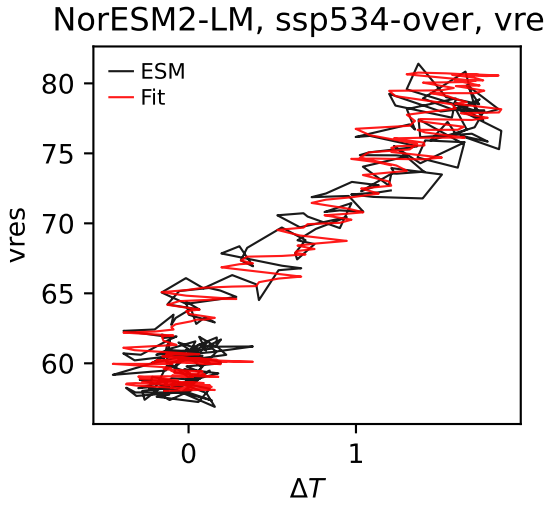

NorESM2-LM, ssp534-over, Litter, ln(MSE/SIGMA)
259, -0.5929, 337.8982, -0.3083, -0.0220, 0.1998, 0.9965, 0.9278, 0
NorESM2-LM
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11
10
9
8
7
6
5
4

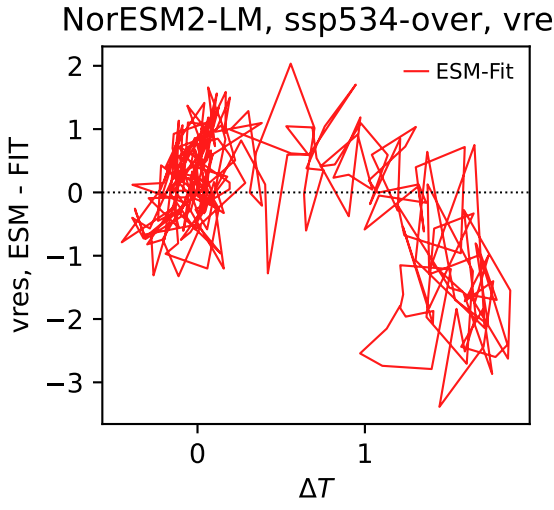

NorESM2-LM, ssp534-over, Litter, ln(MSE/SIGMA)
259, -0.5929, 337.8982, -0.3083, -0.0220, 0.1998, 0.9965, 0.9278, 0
lit_c_tan2
lit_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
6.4
5.8
5.2
4.6
4.0
3.4
2.8
2.2
1.6
1.0

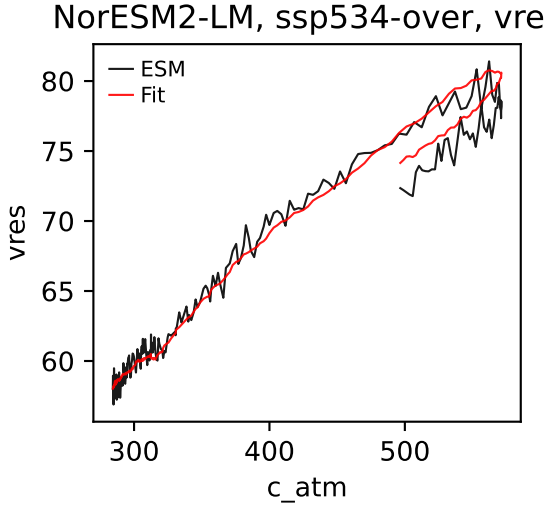

NorESM2-LM, ssp534-over, Litter, ln(MSE/SIGMA)
259, -0.5929, 337.8982, -0.3083, -0.0220, 0.1998, 0.9965, 0.9278, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
0.90
0.92
0.94
0.96
0.98
1.00
lit_fast
6.4
5.8
5.2
4.6
4.0
3.4
2.8
2.2
1.6
1.0

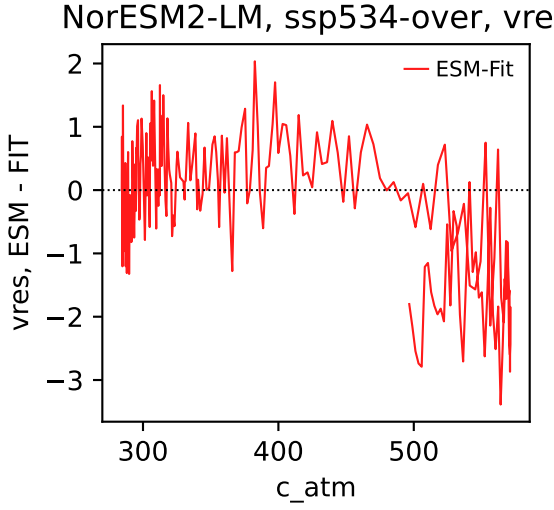

NorESM2-LM, ssp534-over, vres
ESM
Fit
vres
Year

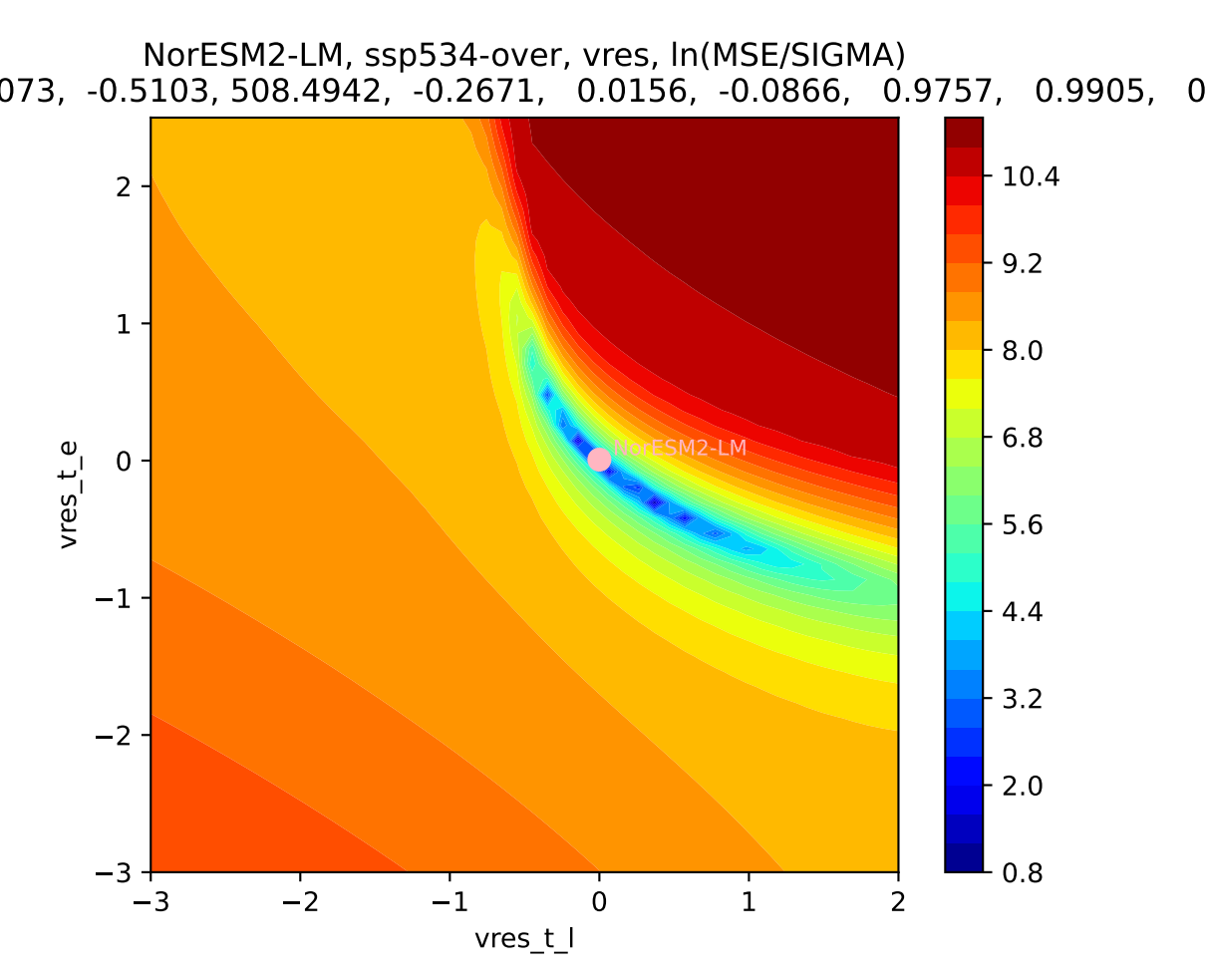

NorESM2-LM, ssp534-over, vres
ESM-Fit
vres, ESM - FIT
Year

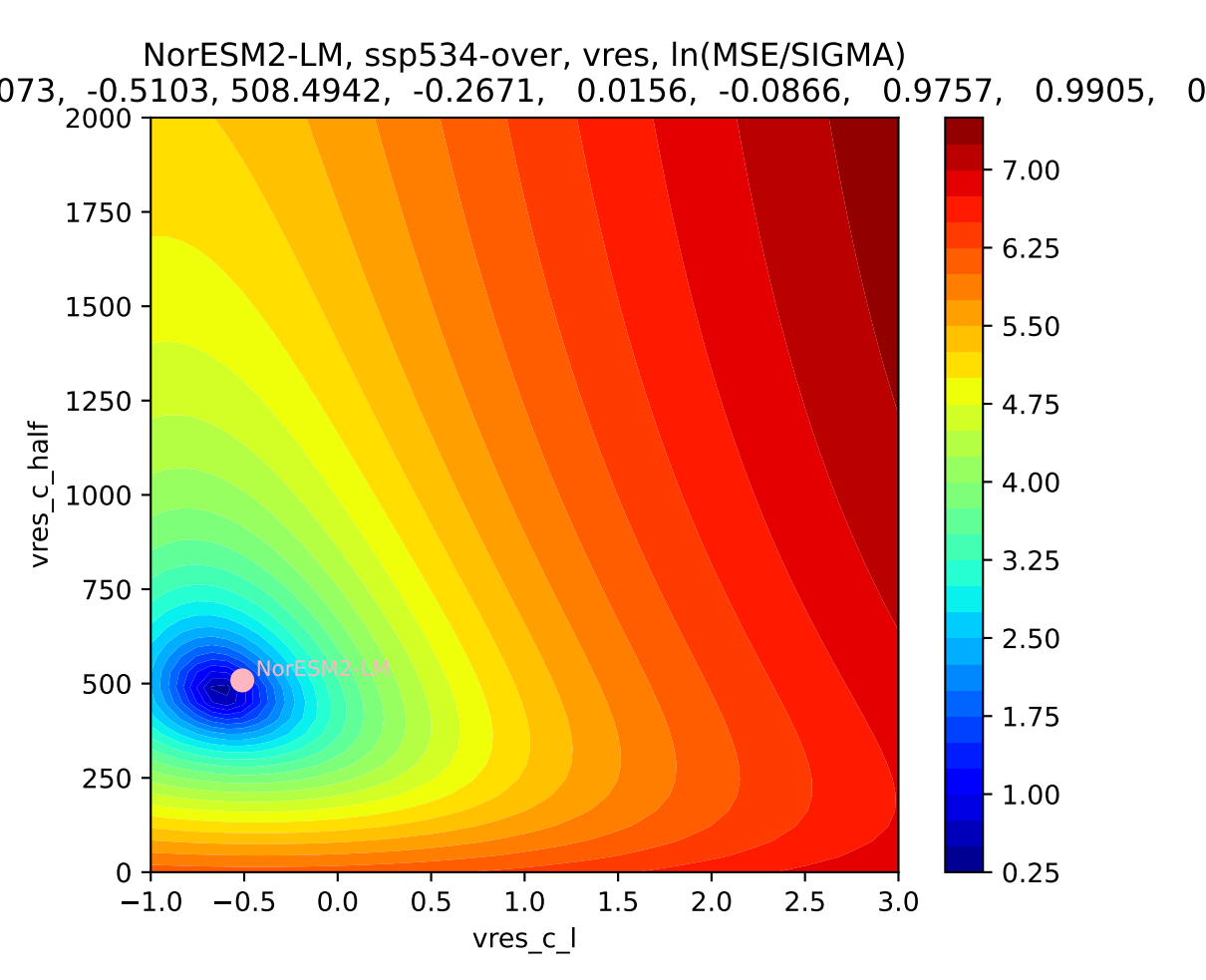

NorESM2-LM, ssp534-over, vres
ESM
Fit
vres
ΔT

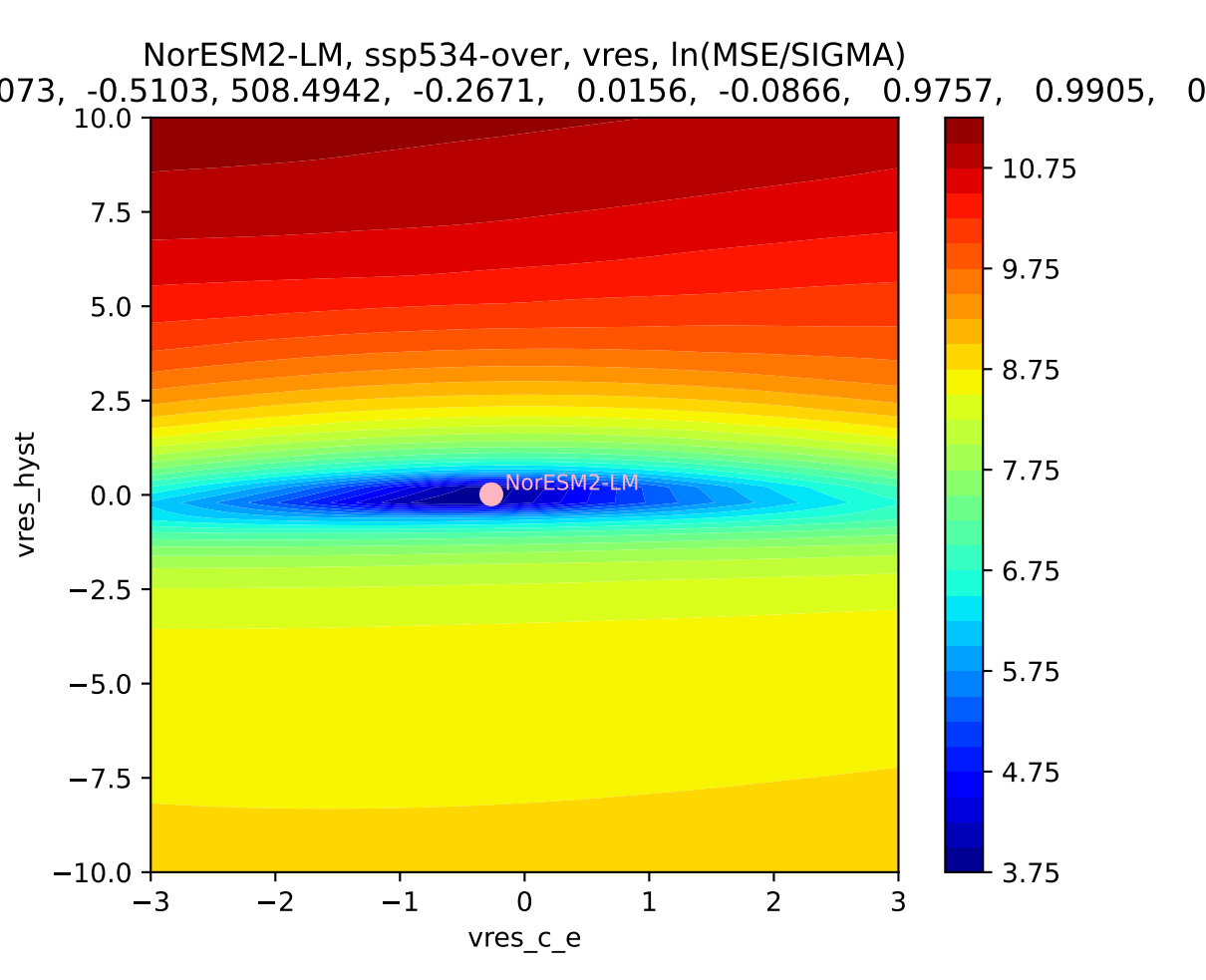

NorESM2-LM, ssp534-over, vres
ESM-Fit
vres, ESM - FIT
ΔT

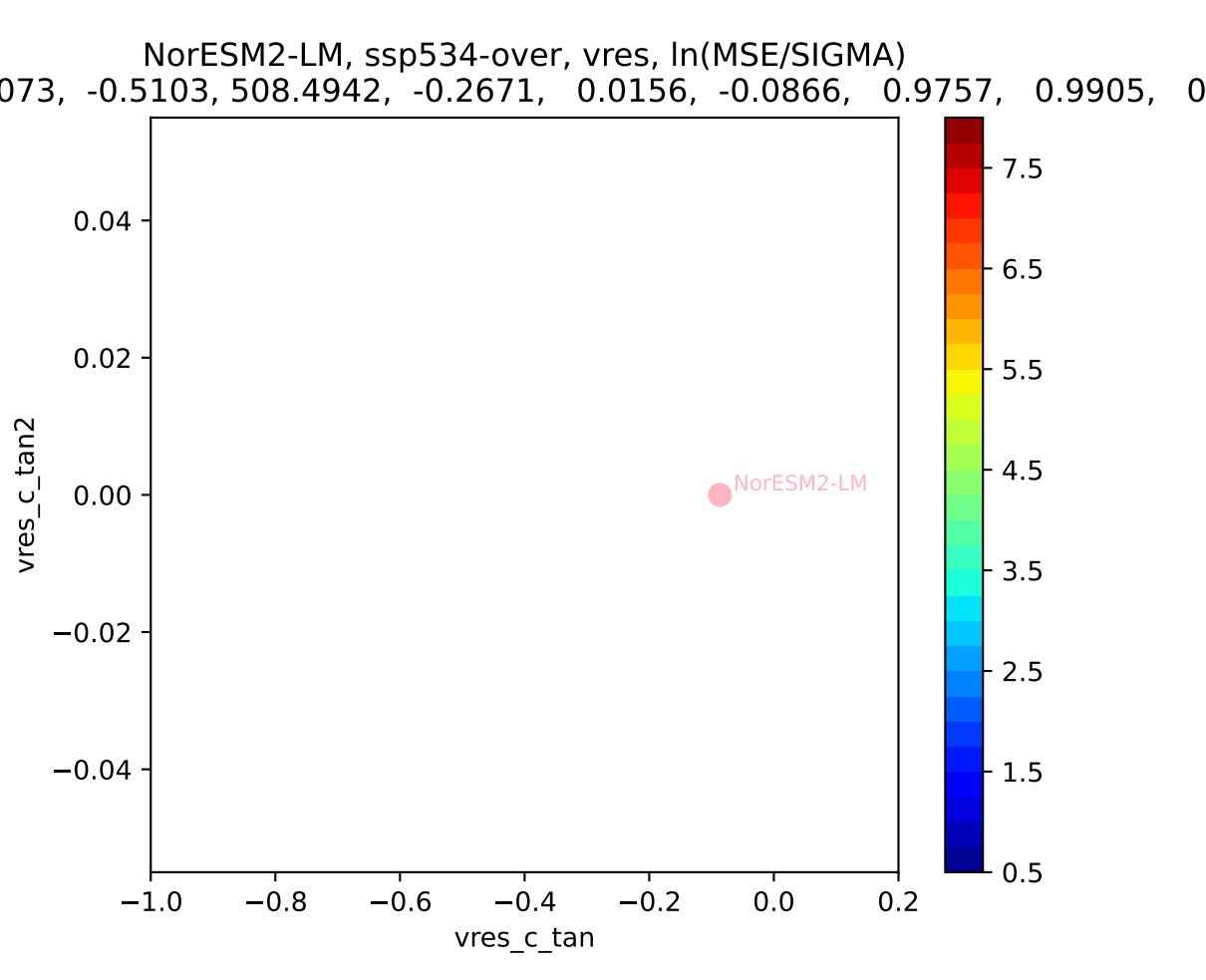

NorESM2-LM, ssp534-over, vres
ESM
Fit
vres
c_atm

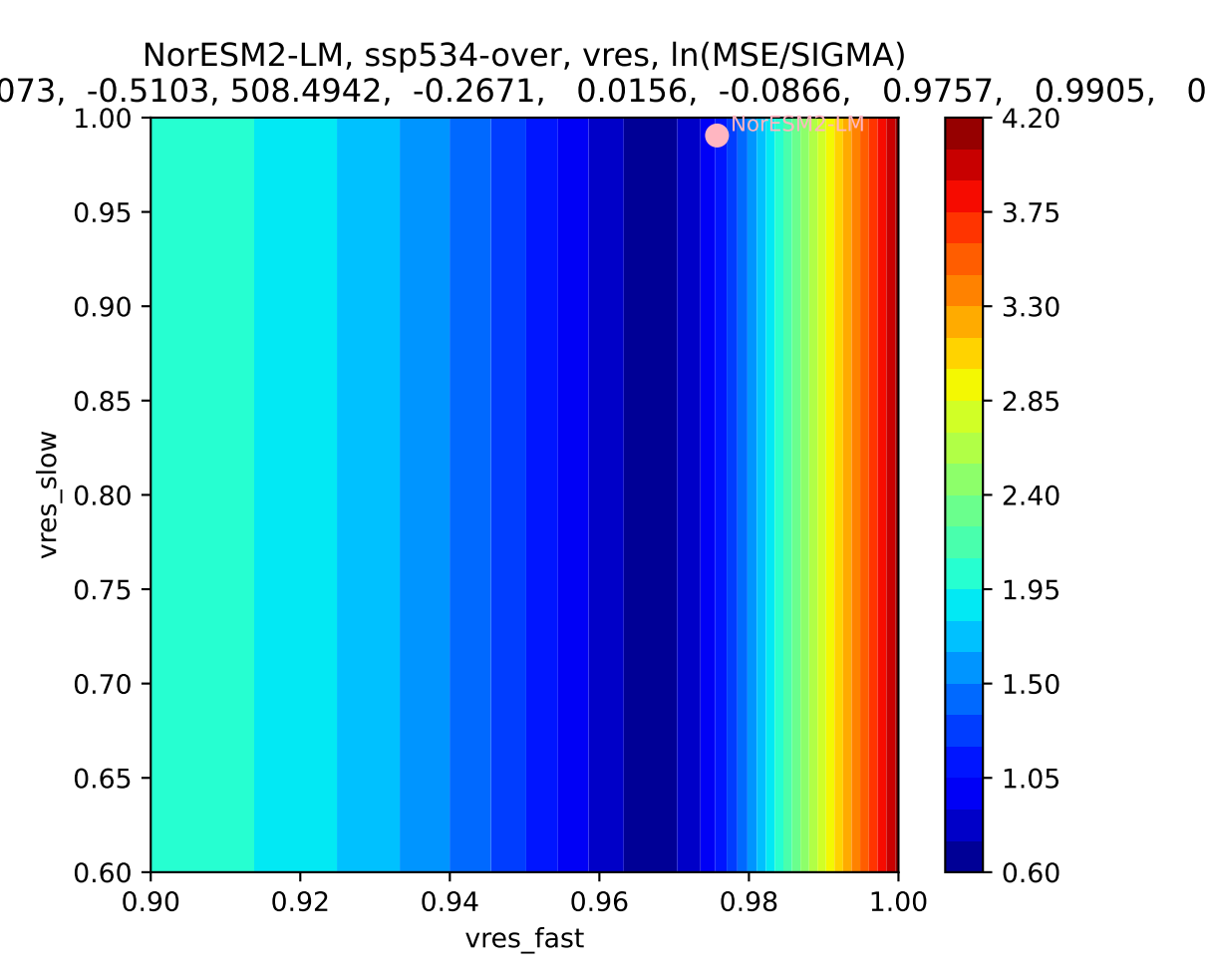

NorESM2-LM, ssp534-over, vres
ESM-Fit
vres, ESM - FIT
c_atm

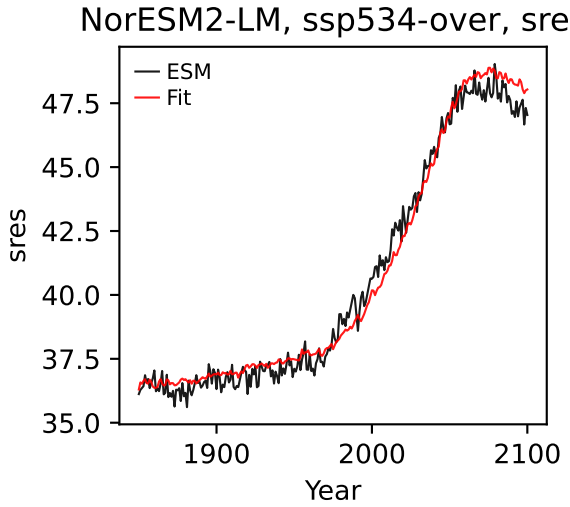

NorESM2-LM, ssp534-over, vres, ln(MSE/SIGMA)
073, -0.5103, 508.4942, -0.2671, 0.0156, -0.0866, 0.9757, 0.9905, 0
NorESM2-LM
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
10.4
9.2
8.0
6.8
5.6
4.4
3.2
2.0
0.8

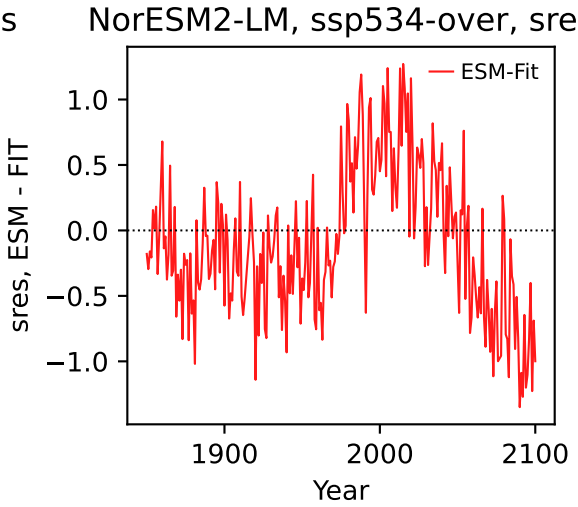

NorESM2-LM, ssp534-over, vres, ln(MSE/SIGMA)
073, -0.5103, 508.4942, -0.2671, 0.0156, -0.0866, 0.9757, 0.9905, 0
vres_c_half
vres_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00
0.25

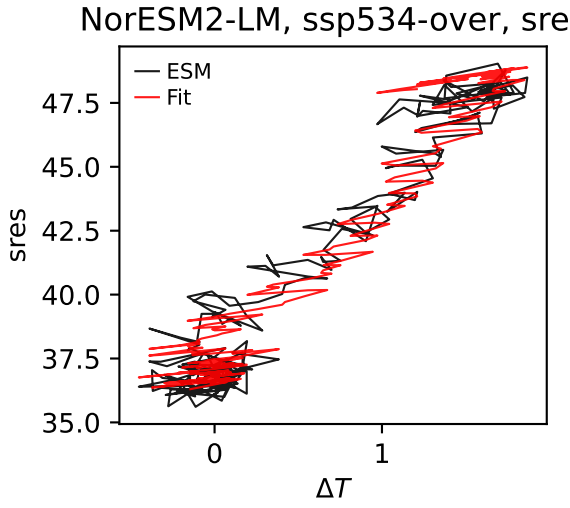

NorESM2-LM, ssp534-over, vres, ln(MSE/SIGMA)
073, -0.5103, 508.4942, -0.2671, 0.0156, -0.0866, 0.9757, 0.9905, 0
NorESM2-LM
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.75
9.75
8.75
7.75
6.75
5.75
4.75
3.75

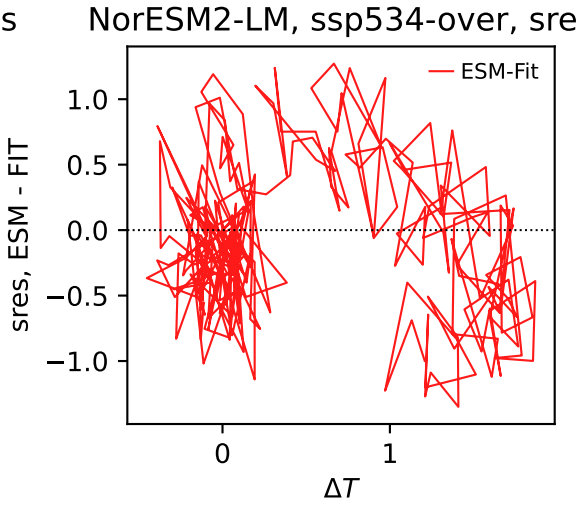

NorESM2-LM, ssp534-over, vres, ln(MSE/SIGMA)
073, -0.5103, 508.4942, -0.2671, 0.0156, -0.0866, 0.9757, 0.9905, 0
NorESM2-LM
vres_c_tan2
vres_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
7.5
6.5
5.5
4.5
3.5
2.5
1.5
0.5

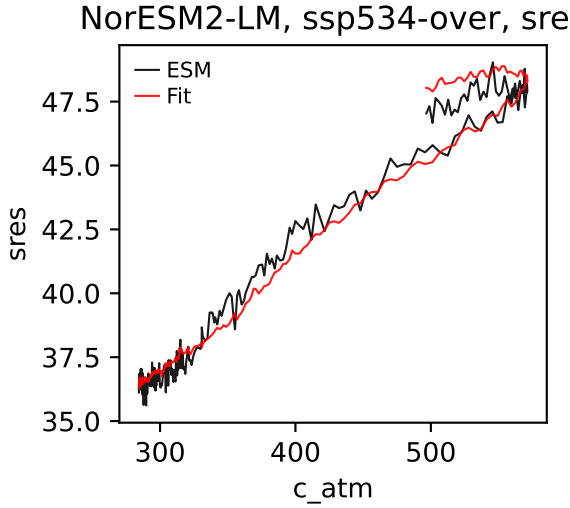

NorESM2-LM, ssp534-over, vres, ln(MSE/SIGMA)
073, -0.5103, 508.4942, -0.2671, 0.0156, -0.0866, 0.9757, 0.9905, 0
NorESM2-LM
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
0.90
0.92
0.94
0.96
0.98
1.00
vres_fast
4.20
3.75
3.30
2.85
2.40
1.95
1.50
1.05
0.60

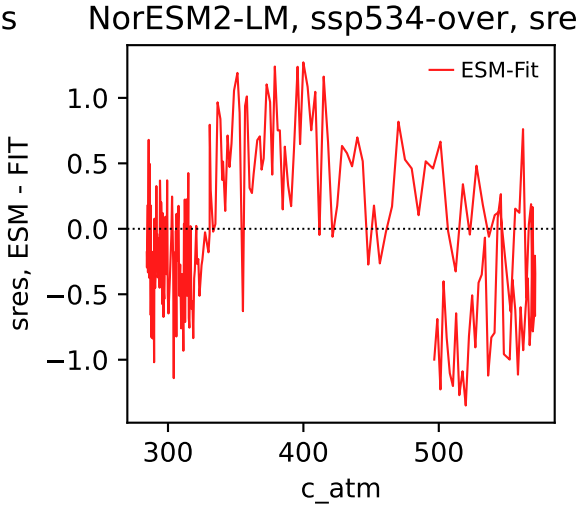

NorESM2-LM, ssp534-over, sres
ESM
Fit
sres
Year
47.5
45.0
42.5
40.0
37.5
35.0
1900
2000
2100

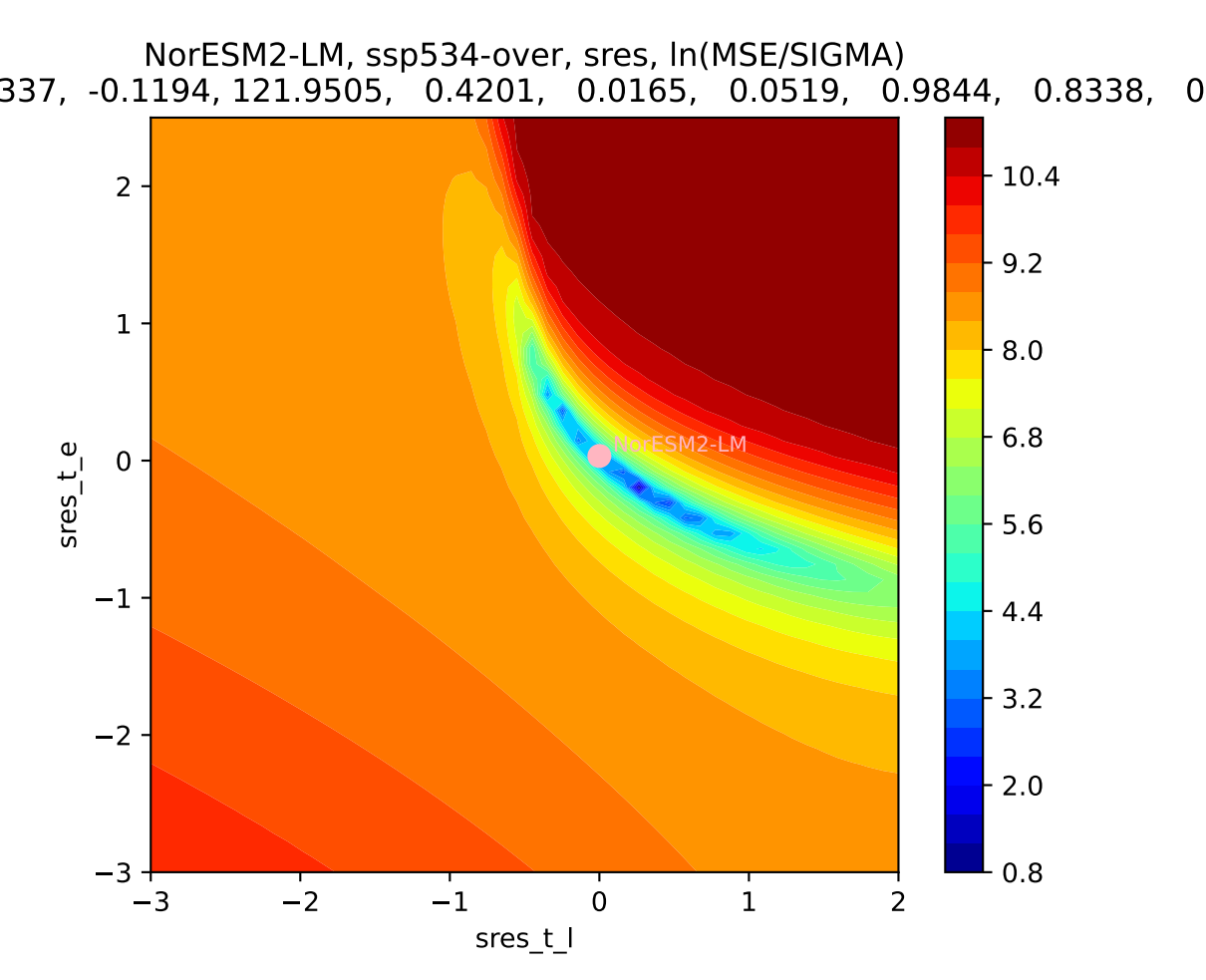

NorESM2-LM, ssp534-over, sres
ESM-Fit
sres, ESM - FIT
Year
1.0
0.5
0.0
−0.5
−1.0
1900
2000
2100

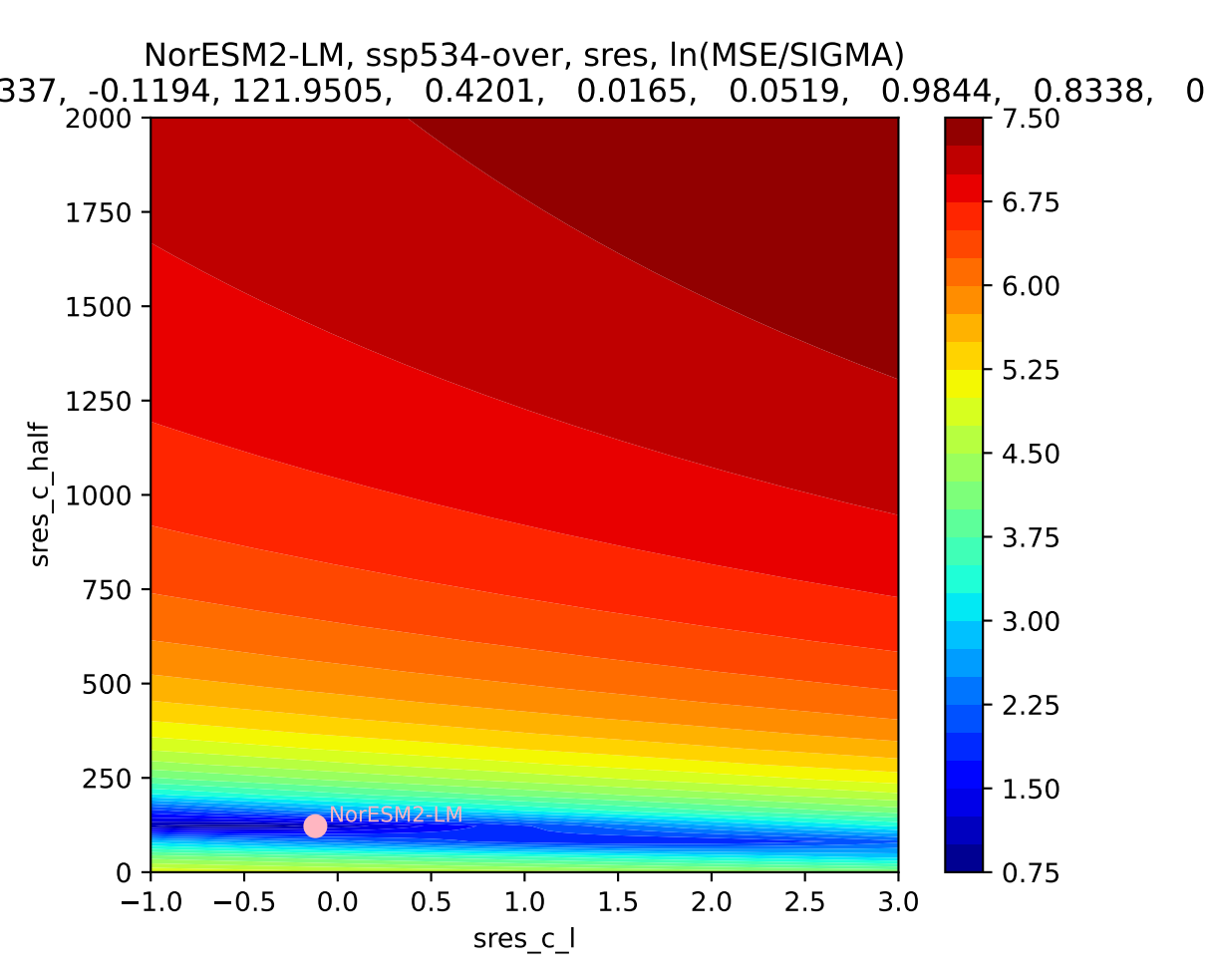

NorESM2-LM, ssp534-over, sres
ESM
Fit
sres
ΔT
47.5
45.0
42.5
40.0
37.5
35.0
0
1

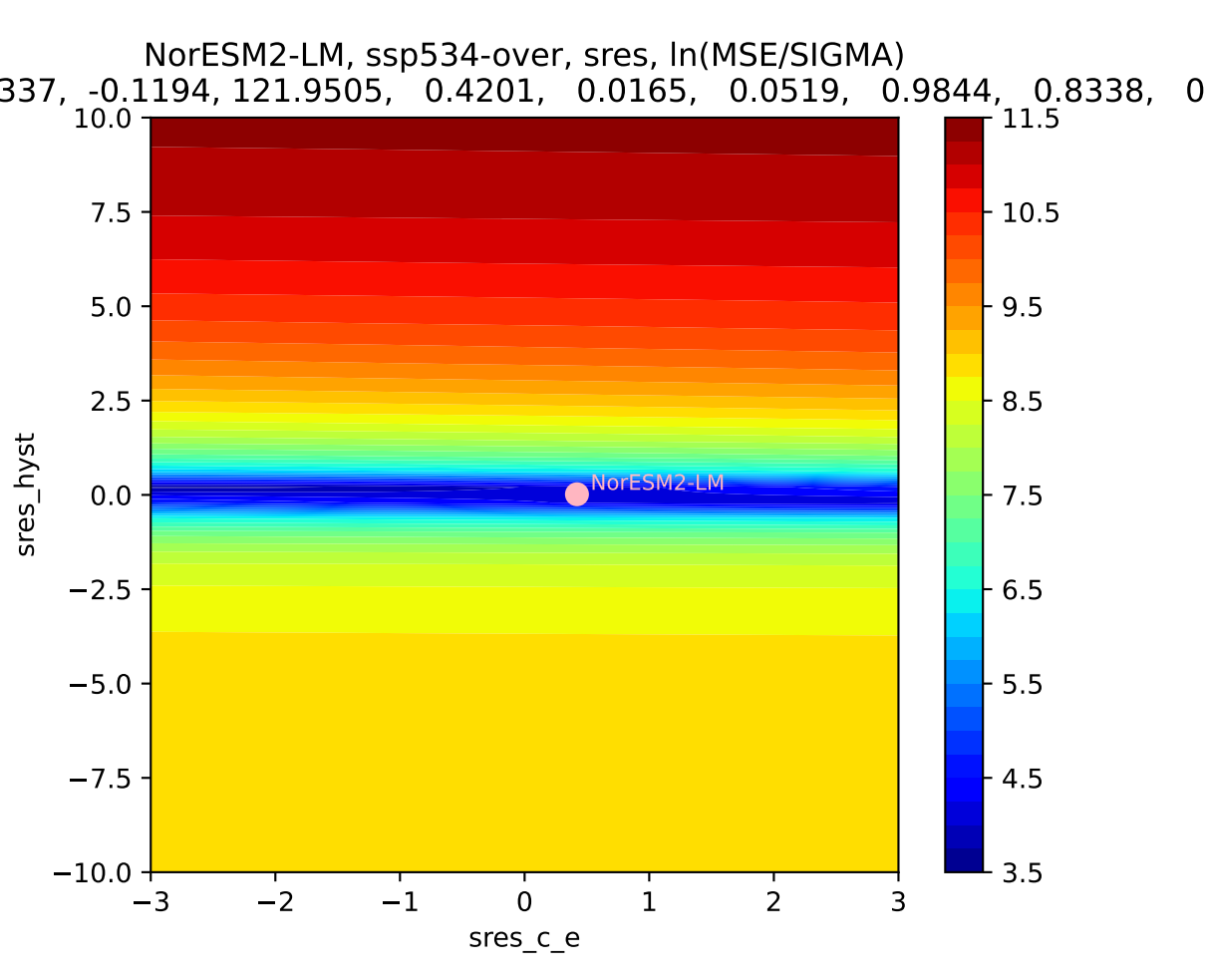

NorESM2-LM, ssp534-over, sres
ESM-Fit
sres, ESM - FIT
ΔT
1.0
0.5
0.0
−0.5
−1.0
0
1

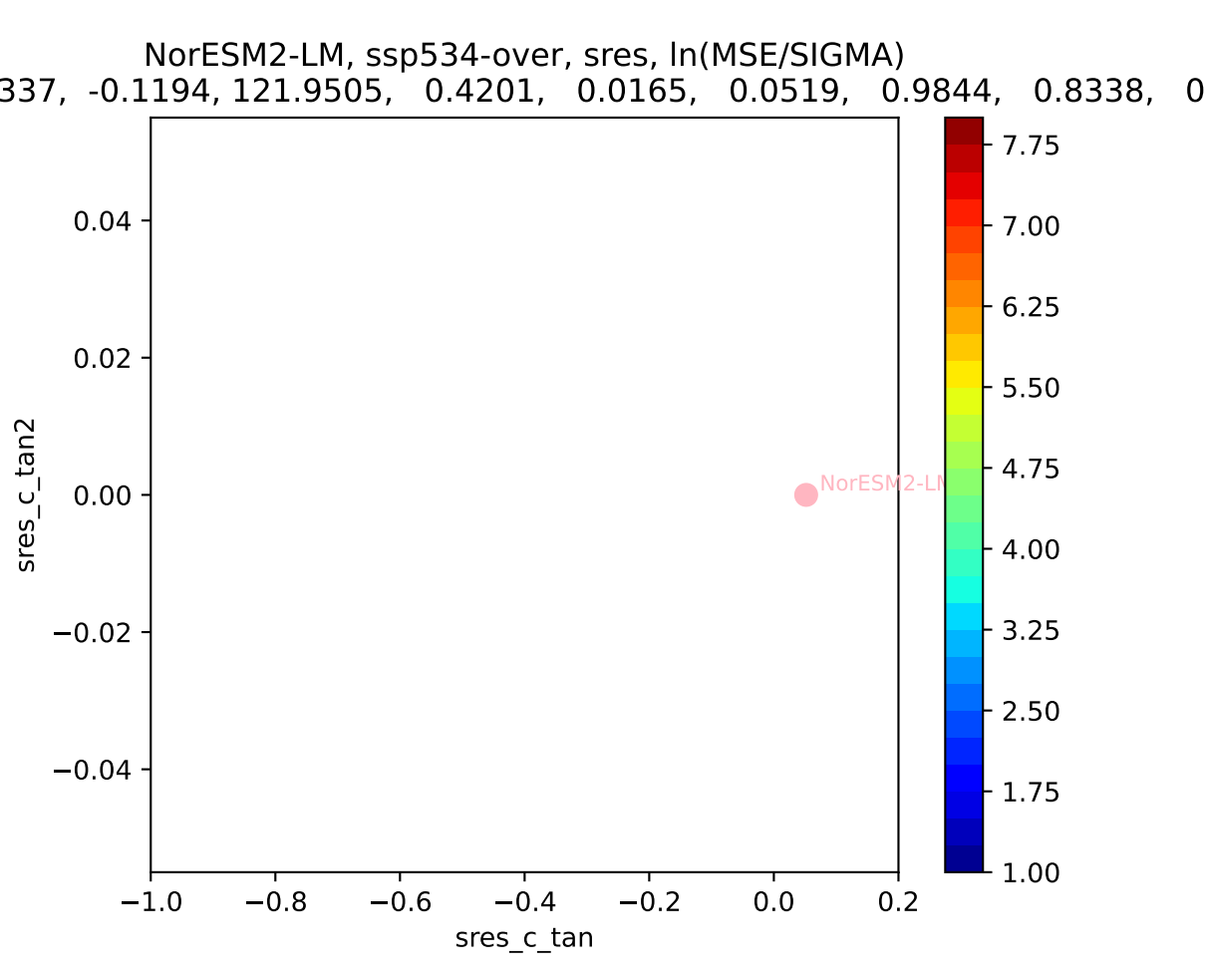

NorESM2-LM, ssp534-over, sres
ESM
Fit
sres
c_atm
47.5
45.0
42.5
40.0
37.5
35.0
300
400
500

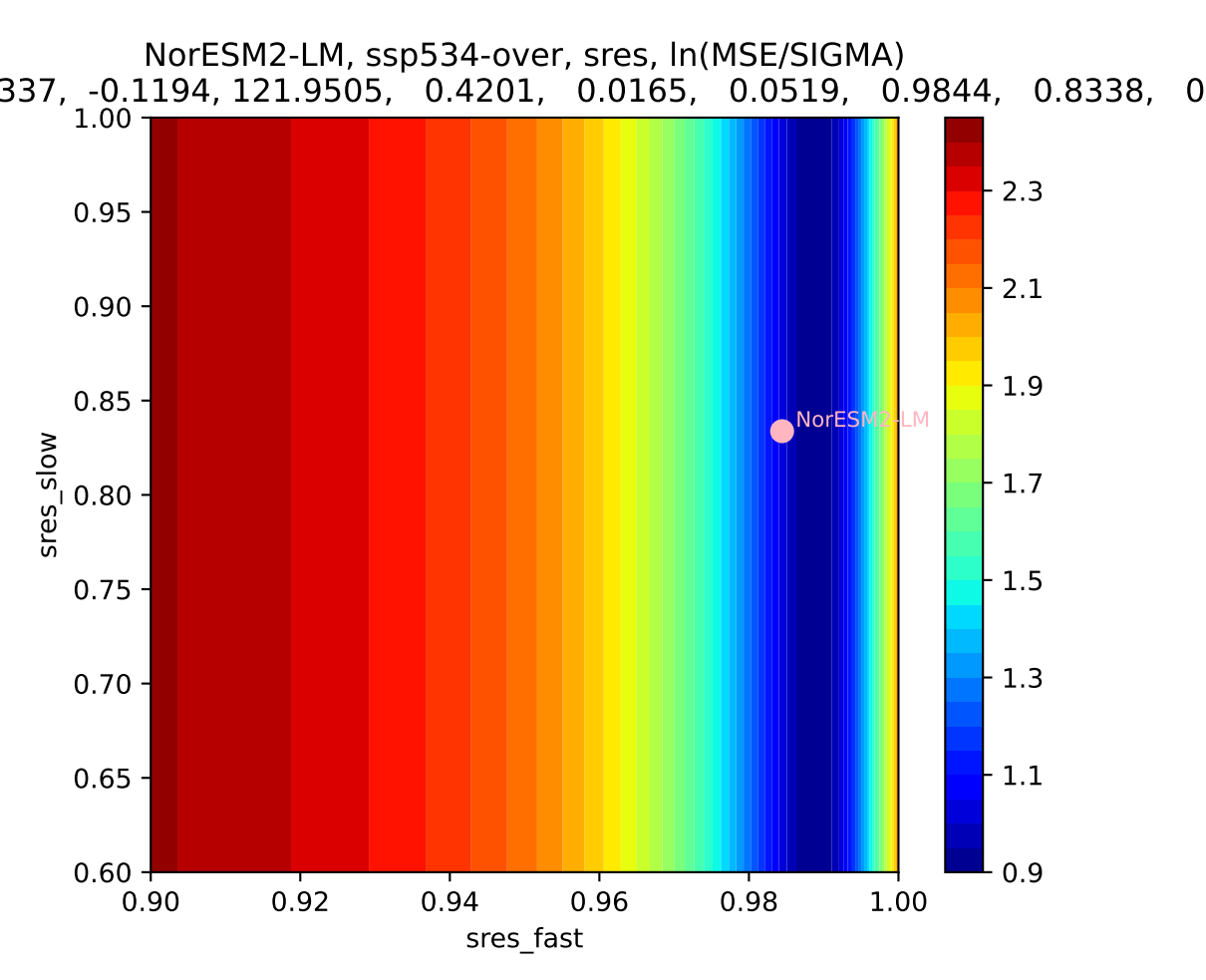

NorESM2-LM, ssp534-over, sres
ESM-Fit
sres, ESM - FIT
c_atm
1.0
0.5
0.0
−0.5
−1.0
300
400
500

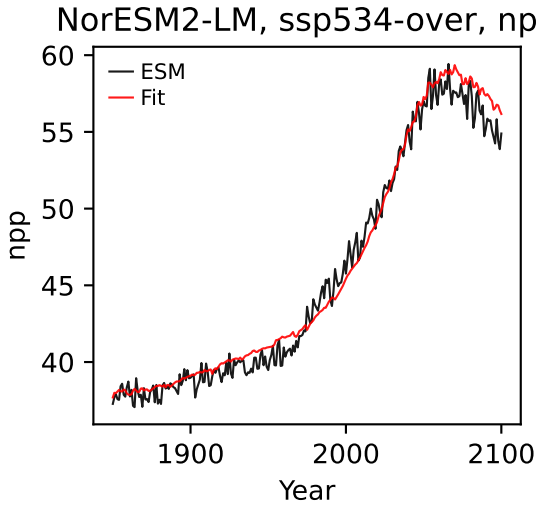

NorESM2-LM, ssp534-over, sres, ln(MSE/SIGMA)
337, -0.1194, 121.9505, 0.4201, 0.0165, 0.0519, 0.9844, 0.8338, 0
NorESM2-LM
sres_t_e
sres_t_l
−3
−2
−1
0
1
2
10.4
9.2
8.0
6.8
5.6
4.4
3.2
2.0
0.8

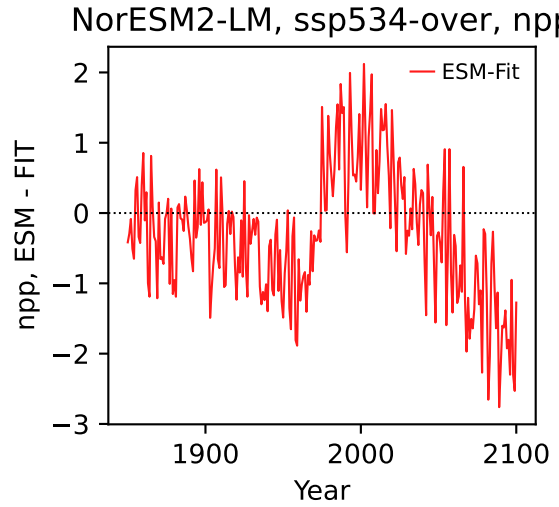

NorESM2-LM, ssp534-over, sres, ln(MSE/SIGMA)
337, -0.1194, 121.9505, 0.4201, 0.0165, 0.0519, 0.9844, 0.8338, 0
sres_c_half
sres_c_l
NorESM2-LM
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7.50
6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75

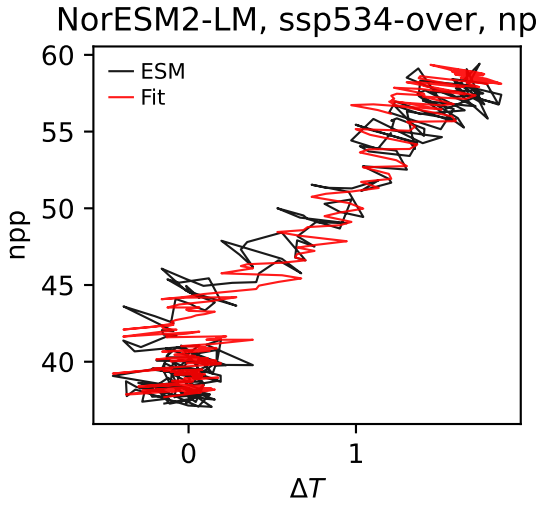

NorESM2-LM, ssp534-over, sres, ln(MSE/SIGMA)
337, -0.1194, 121.9505, 0.4201, 0.0165, 0.0519, 0.9844, 0.8338, 0
NorESM2-LM
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.5
10.5
9.5
8.5
7.5
6.5
5.5
4.5
3.5

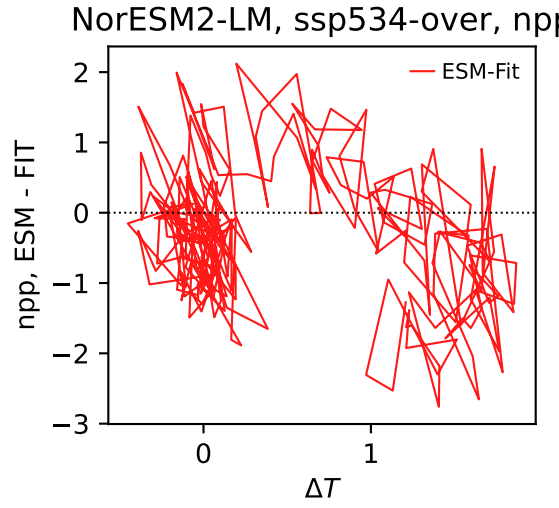

NorESM2-LM, ssp534-over, sres, ln(MSE/SIGMA)
337, -0.1194, 121.9505, 0.4201, 0.0165, 0.0519, 0.9844, 0.8338, 0
0.04
0.02
0.00
−0.02
−0.04
sres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
sres_c_tan
7.75
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00

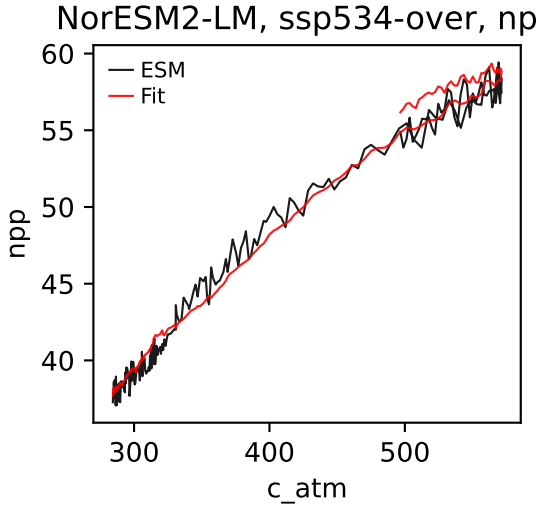

NorESM2-LM, ssp534-over, sres, ln(MSE/SIGMA)
337, -0.1194, 121.9505, 0.4201, 0.0165, 0.0519, 0.9844, 0.8338, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
NorESM2-LM
0.90
0.92
0.94
0.96
0.98
1.00
sres_fast
2.3
2.1
1.9
1.7
1.5
1.3
1.1
0.9

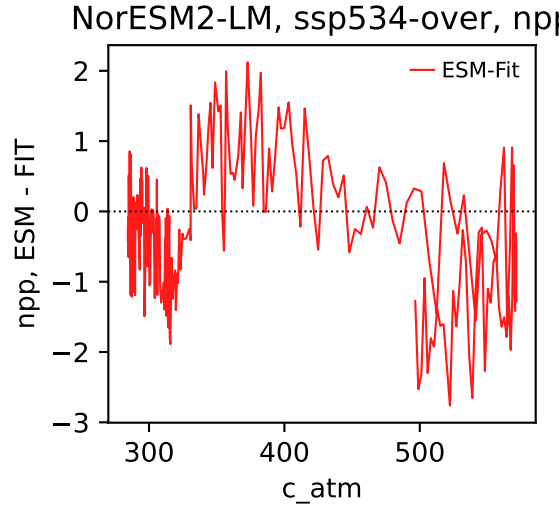

NorESM2-LM, ssp534-over, npp
ESM
Fit
npp
Year

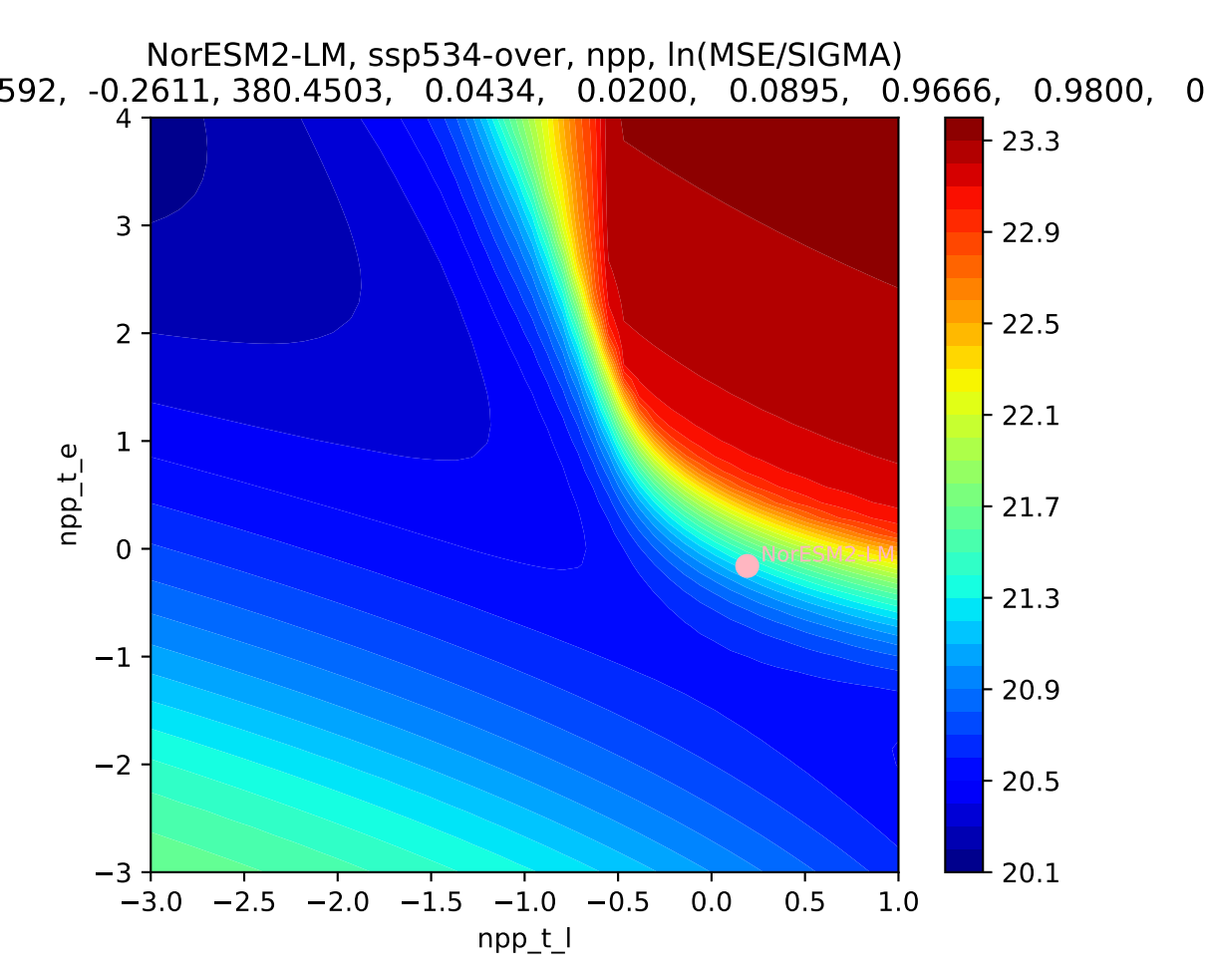

NorESM2-LM, ssp534-over, npp
ESM-Fit
npp, ESM - FIT
Year

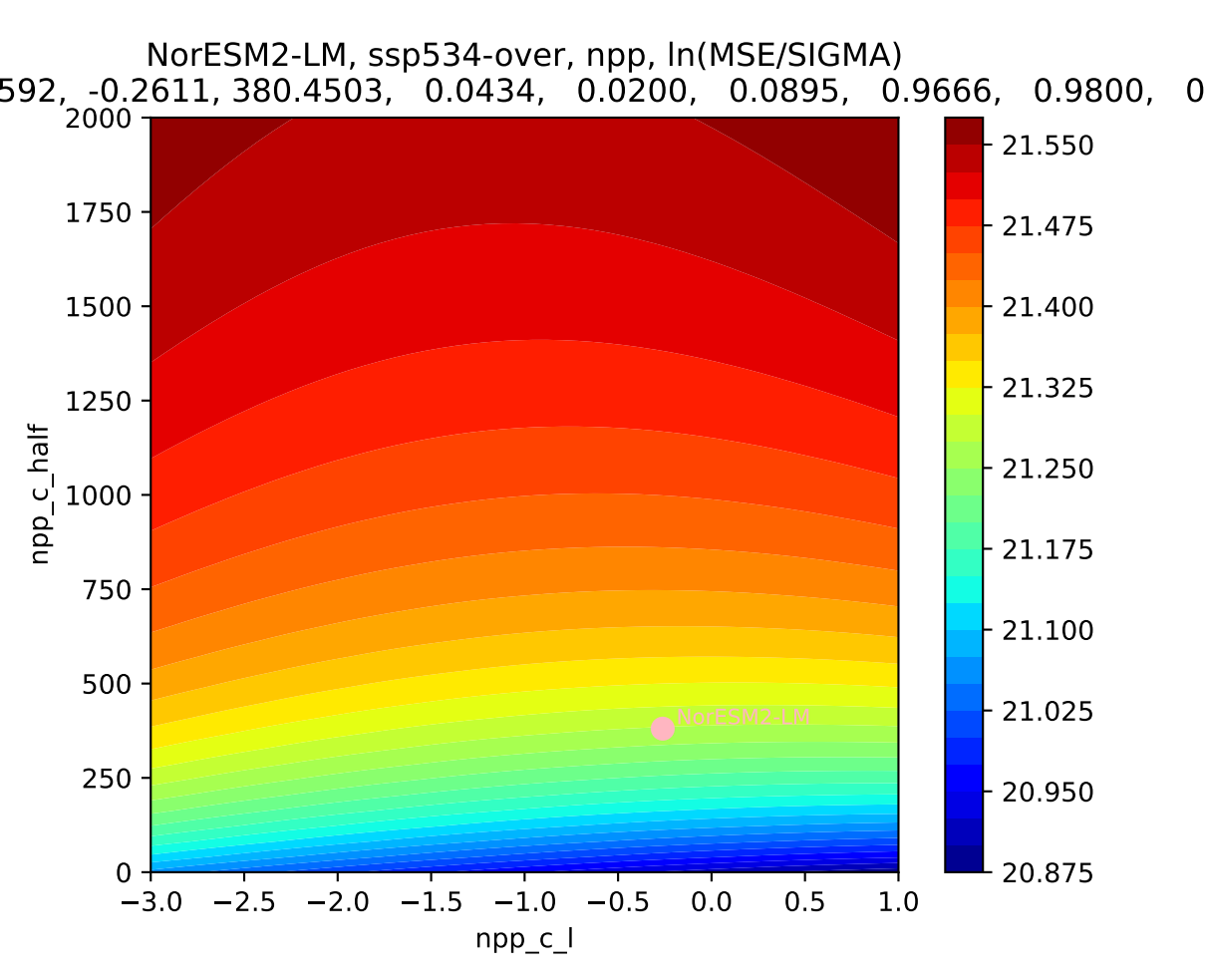

NorESM2-LM, ssp534-over, npp
ESM
Fit
npp
ΔT

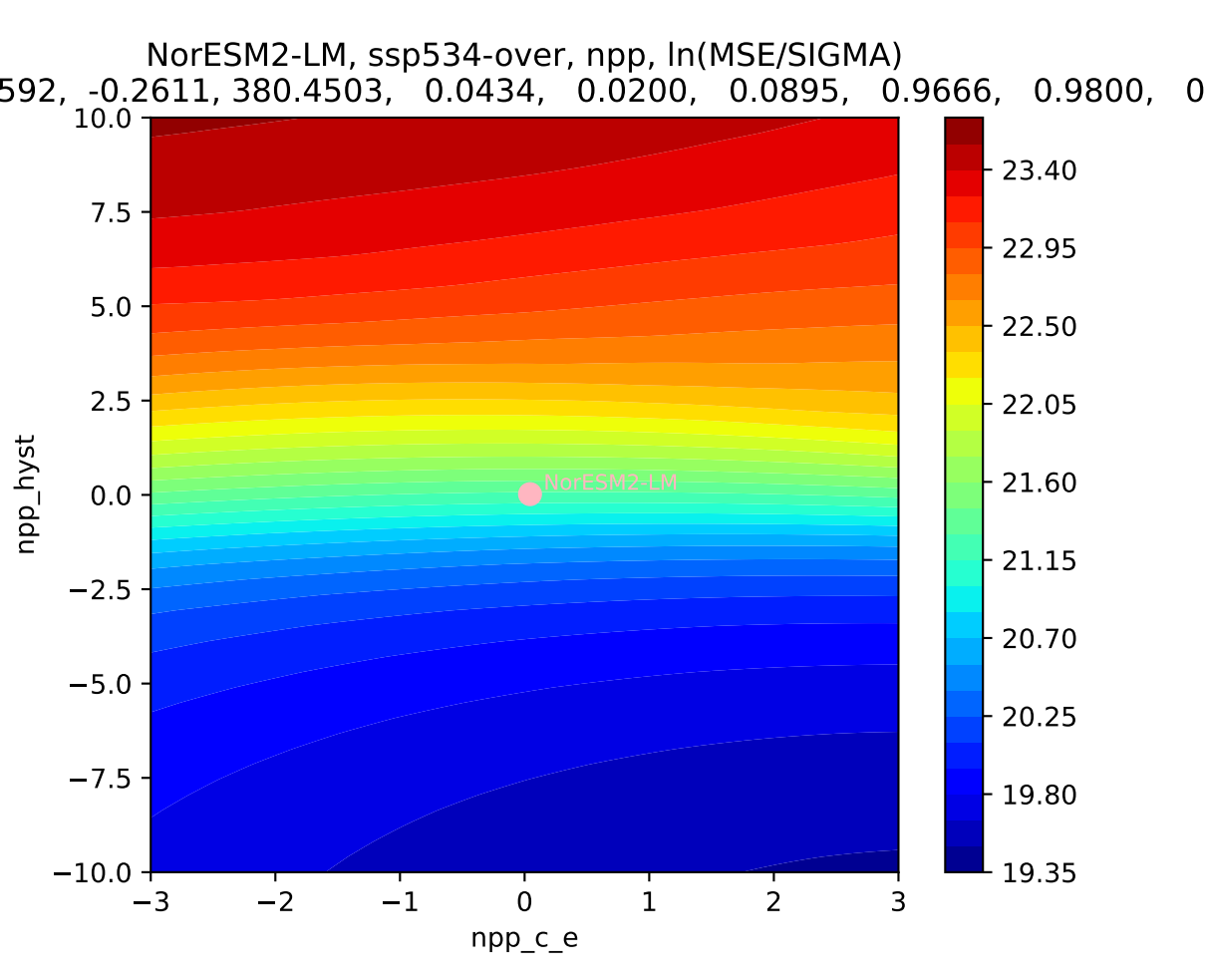

NorESM2-LM, ssp534-over, npp
ESM-Fit
npp, ESM - FIT
ΔT


NorESM2-LM, ssp534-over, npp
ESM
Fit
npp
c_atm


NorESM2-LM, ssp534-over, npp
ESM-Fit
npp, ESM - FIT
c_atm


NorESM2-LM, ssp534-over, 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
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
23.3
22.9
22.5
22.1
21.7
21.3
20.9
20.5
20.1


NorESM2-LM, ssp534-over, 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
21.550
21.475
21.400
21.325
21.250
21.175
21.100
21.025
20.950
20.875


NorESM2-LM, ssp534-over, npp, ln(MSE/SIGMA)
592, -0.2611, 380.4503, 0.0434, 0.0200, 0.0895, 0.9666, 0.9800, 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
23.40
22.95
22.50
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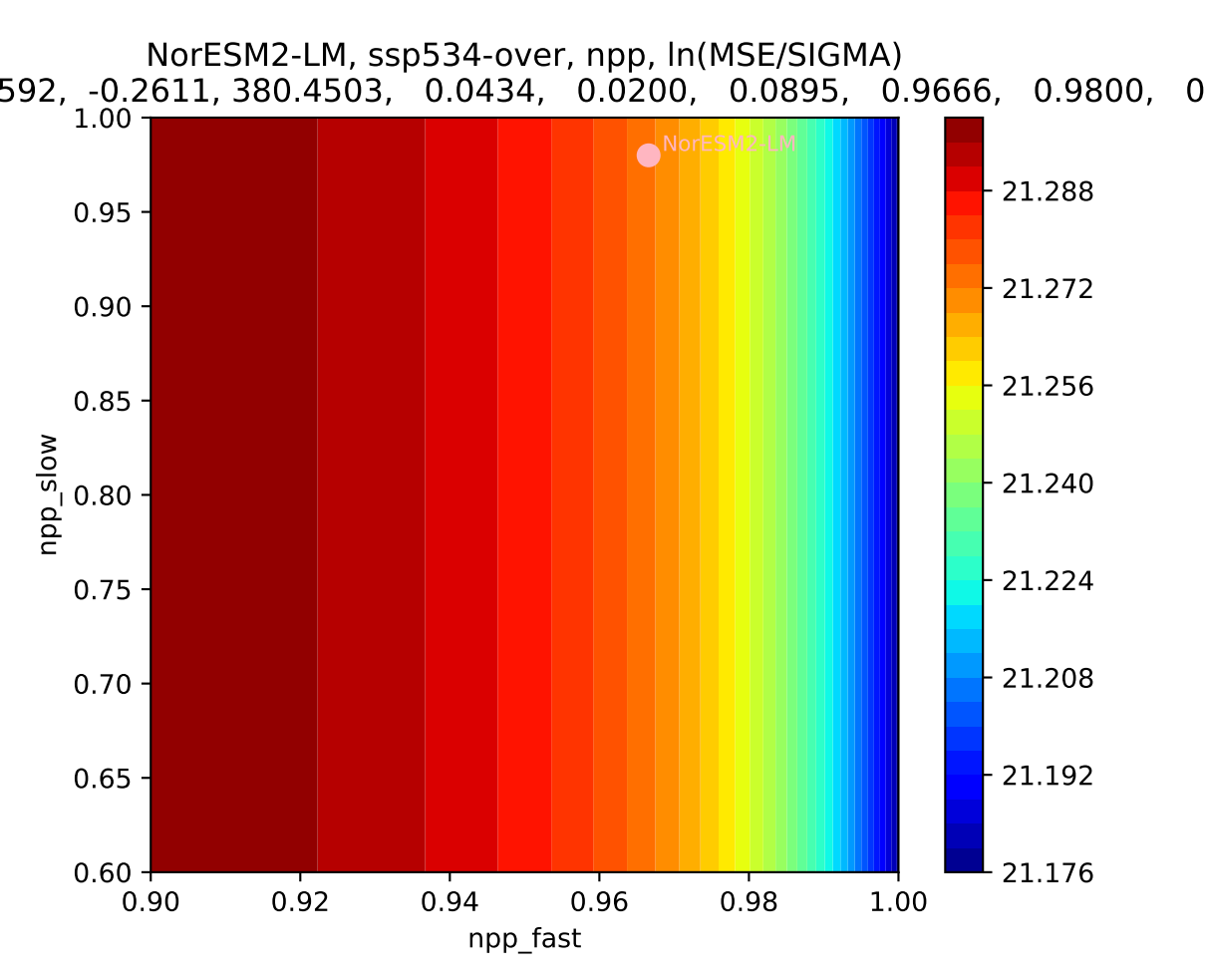
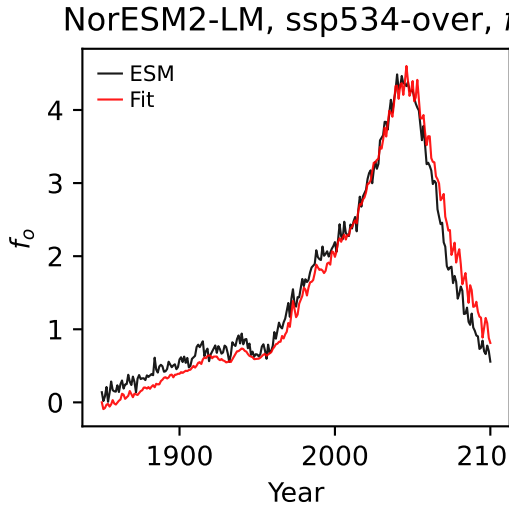
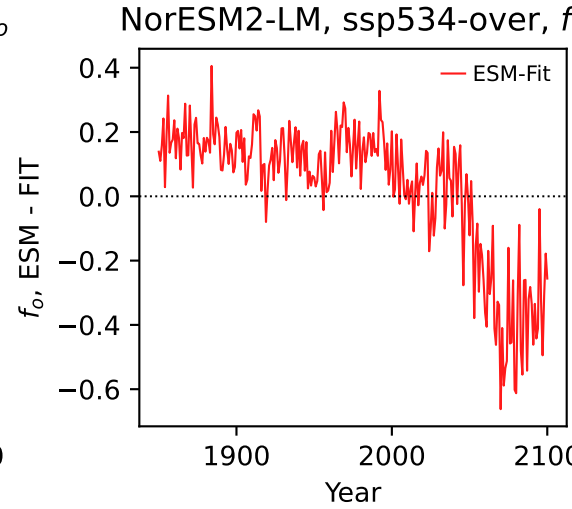
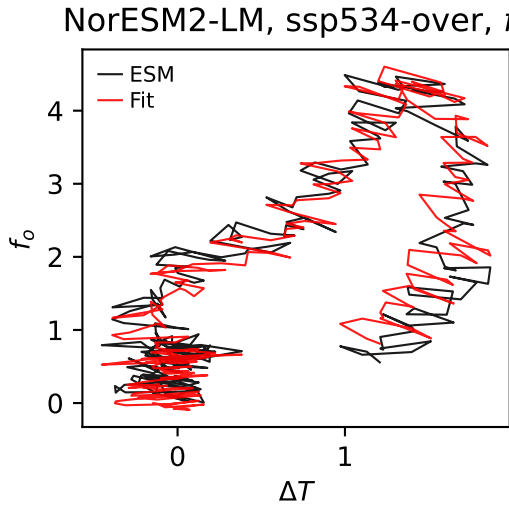
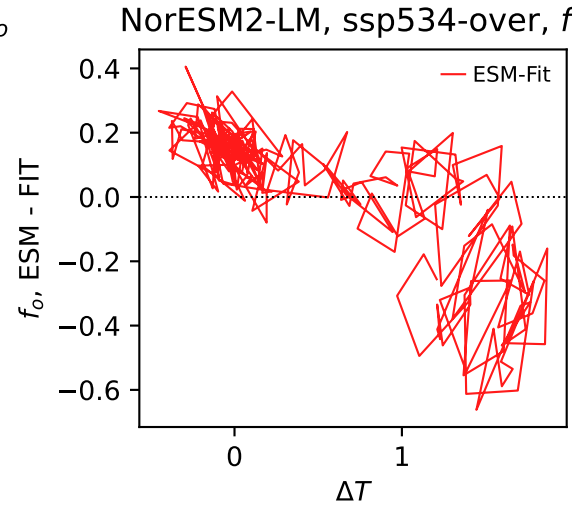
21.60
21.15
20.70
20.25
19.80
19.35

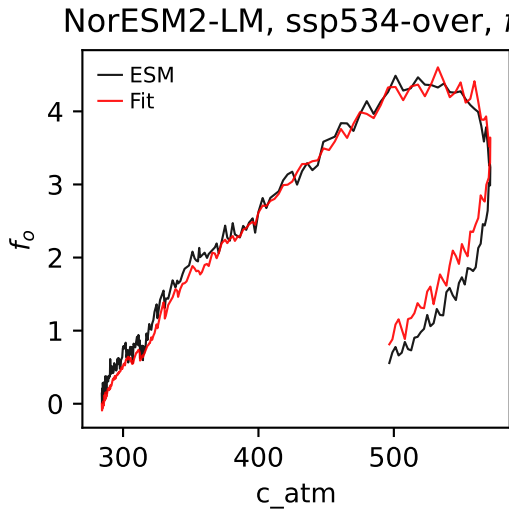

NorESM2-LM, ssp534-over, npp, ln(MSE/SIGMA)
592, -0.2611, 380.4503, 0.0434, 0.0200, 0.0895, 0.9666, 0.9800, 0
NorESM2-LM
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
0.90
0.92
0.94
0.96
0.98
1.00
npp_fast
21.288
21.272
21.256
21.240
21.224
21.208
21.192
21.176

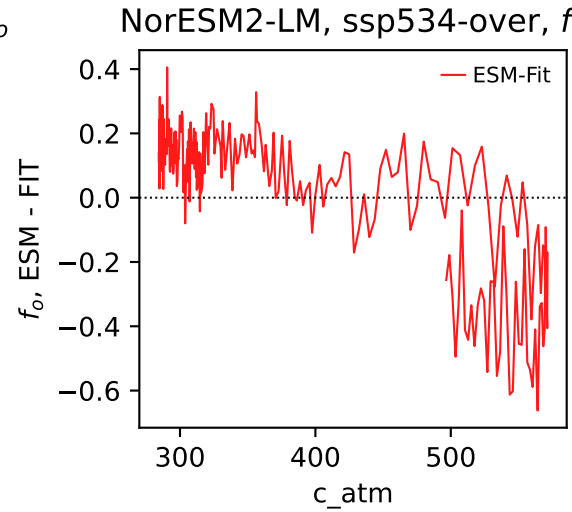

NorESM2-LM, ssp534-over, f_o
ESM
Fit
f_o
Year

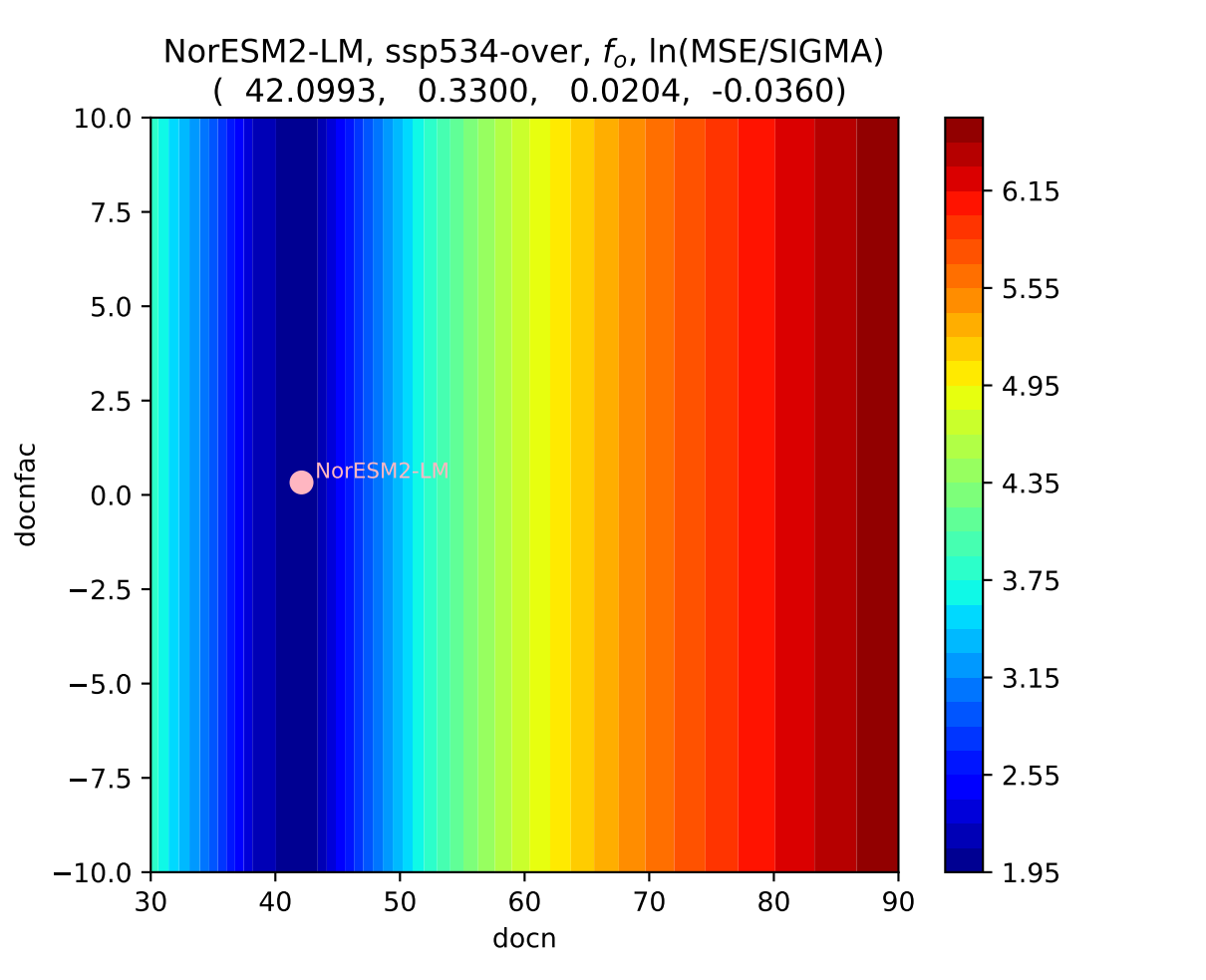

NorESM2-LM, ssp534-over, f_o
ESM-Fit
f_o, ESM - FIT
Year

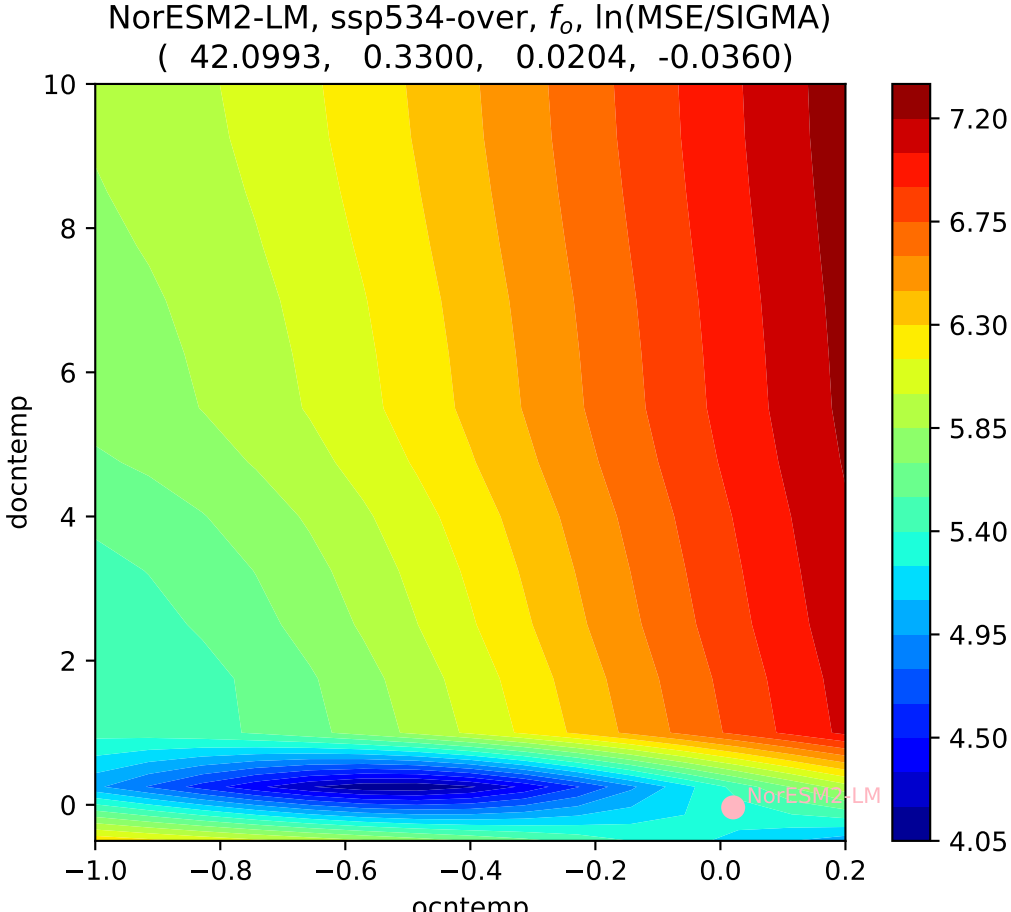

NorESM2-LM, ssp534-over, f_o
ESM
Fit
f_o
ΔT


NorESM2-LM, ssp534-over, f_o
ESM-Fit
f_o, ESM - FIT
ΔT


NorESM2-LM, ssp534-over, f_o
ESM
Fit
f_o
c_atm


NorESM2-LM, ssp534-over, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


NorESM2-LM, ssp534-over, 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
6.15
5.55
4.95
4.35
3.75
3.15
2.55
1.95


NorESM2-LM, ssp534-over, f_o, ln(MSE/SIGMA)
(42.0993, 0.3300, 0.0204, -0.0360)
docntemp
ocntemp
NorESM2-LM
10
8
6
4
2
0
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
7.20
6.75
6.30
5.85
5.40
4.95
4.50
4.05