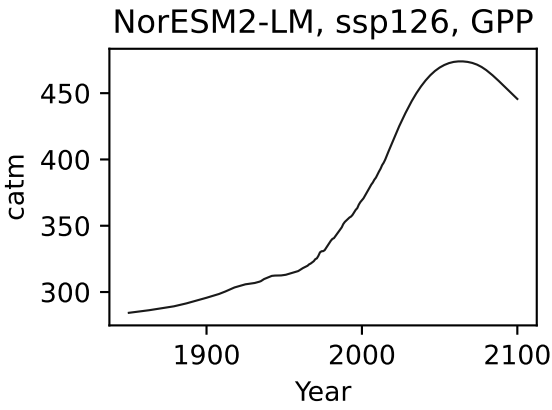
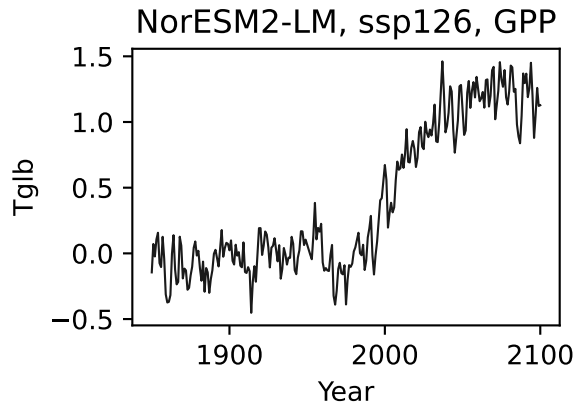
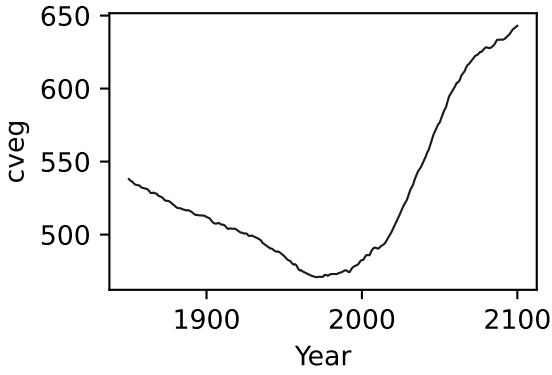
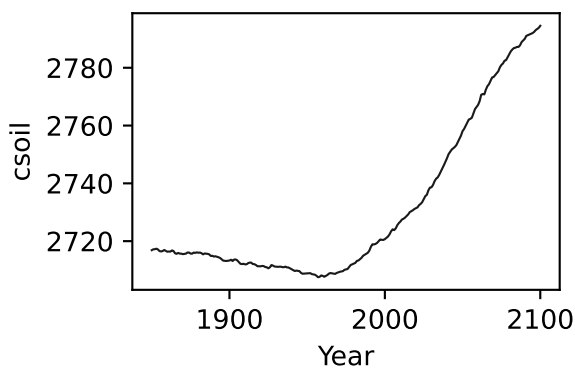
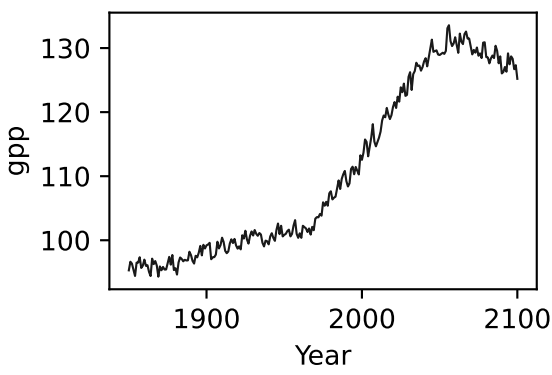
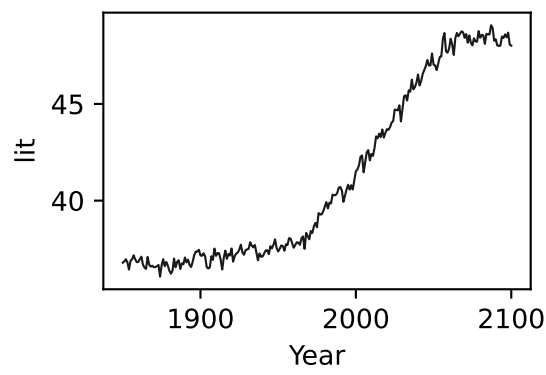

NorESM2-LM, ssp126, GPP
catm
450
400
350
300
1900
2000
2100
Year

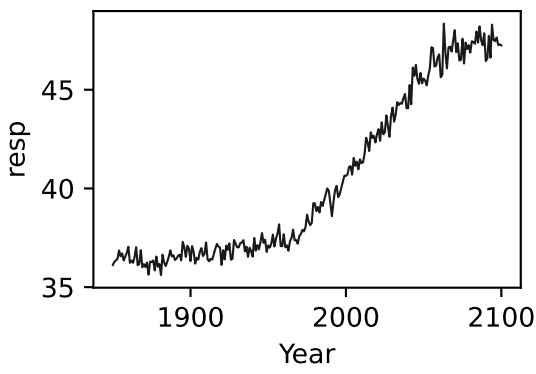

NorESM2-LM, ssp126, GPP
Tglb
1.5
1.0
0.5
0.0
−0.5
1900
2000
2100
Year

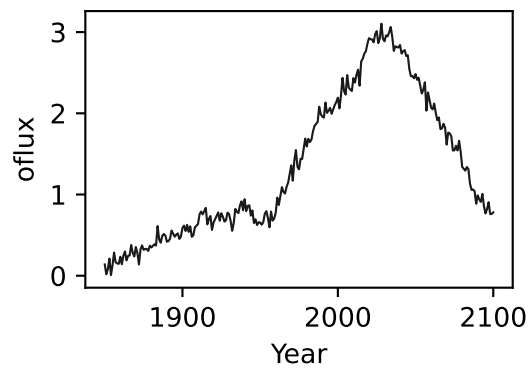

cveg
650
600
550
500
1900
2000
2100
Year

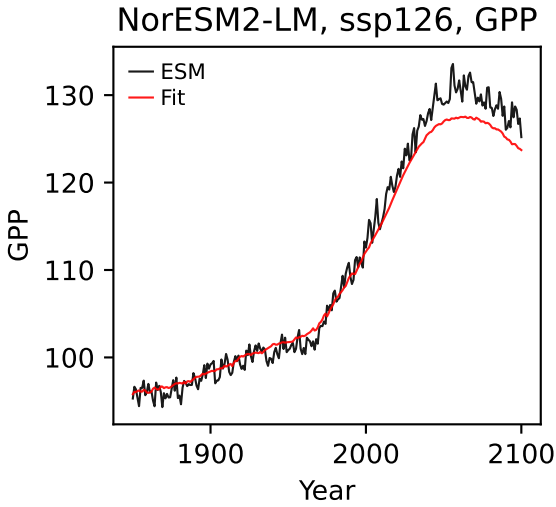

csoil
2780
2760
2740
2720
1900
2000
2100
Year

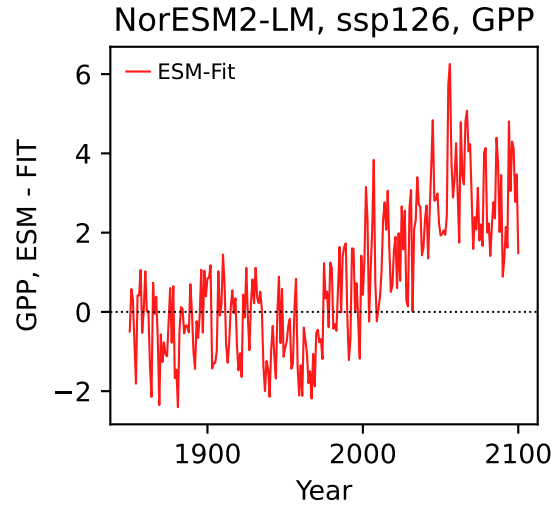

gpp
130
120
110
100
1900
2000
2100
Year

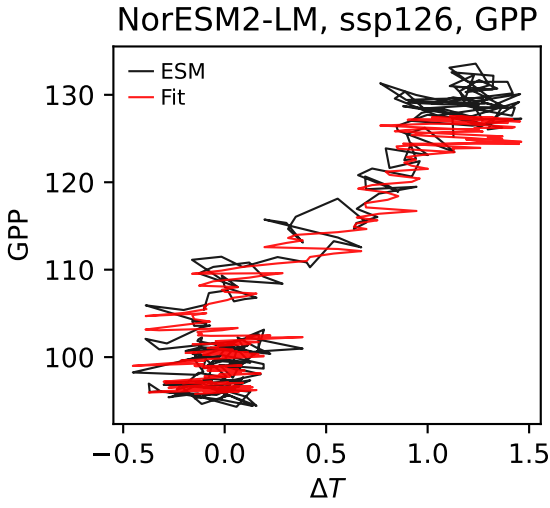

lit
45
40
1900
2000
2100
Year

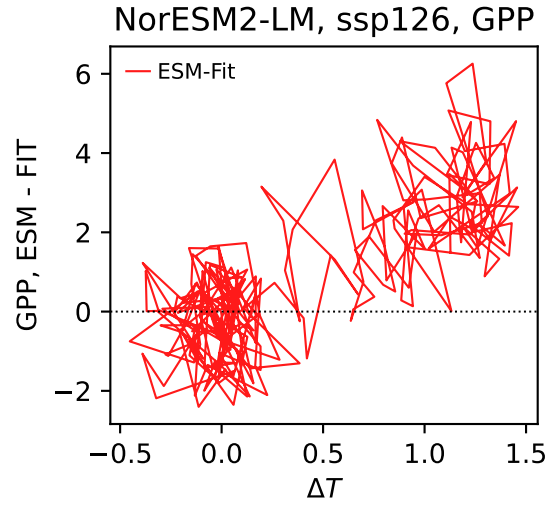

resp
45
40
35
1900
2000
2100
Year

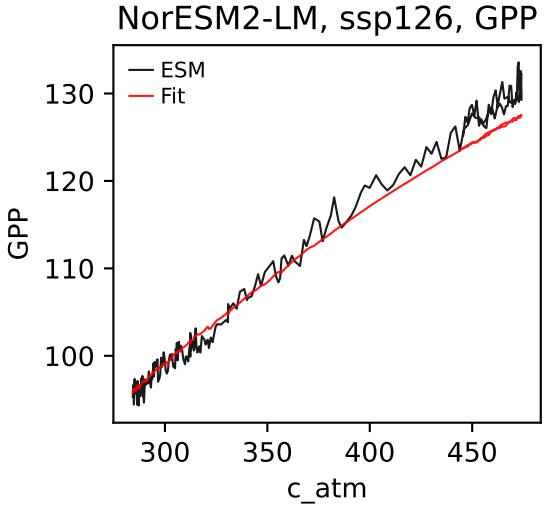

oflux
3
2
1
0
1900
2000
2100
Year

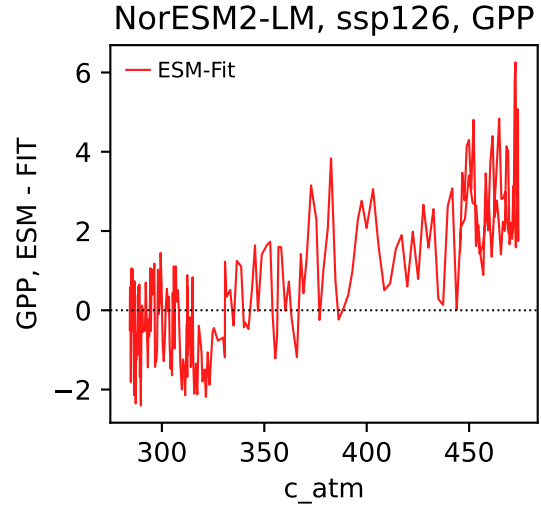

NorESM2-LM, ssp126, GPP
ESM
Fit
GPP
Year

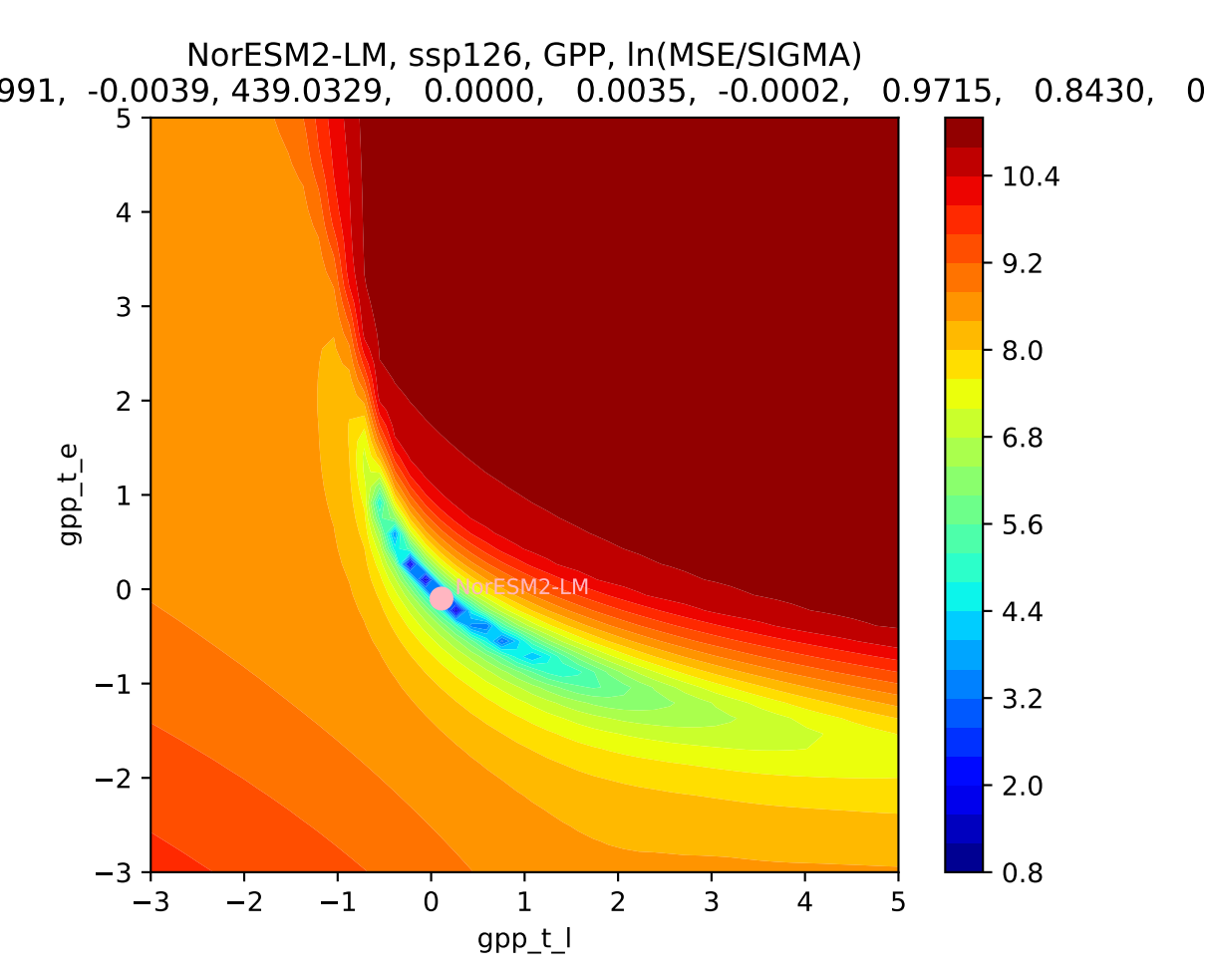

NorESM2-LM, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
Year

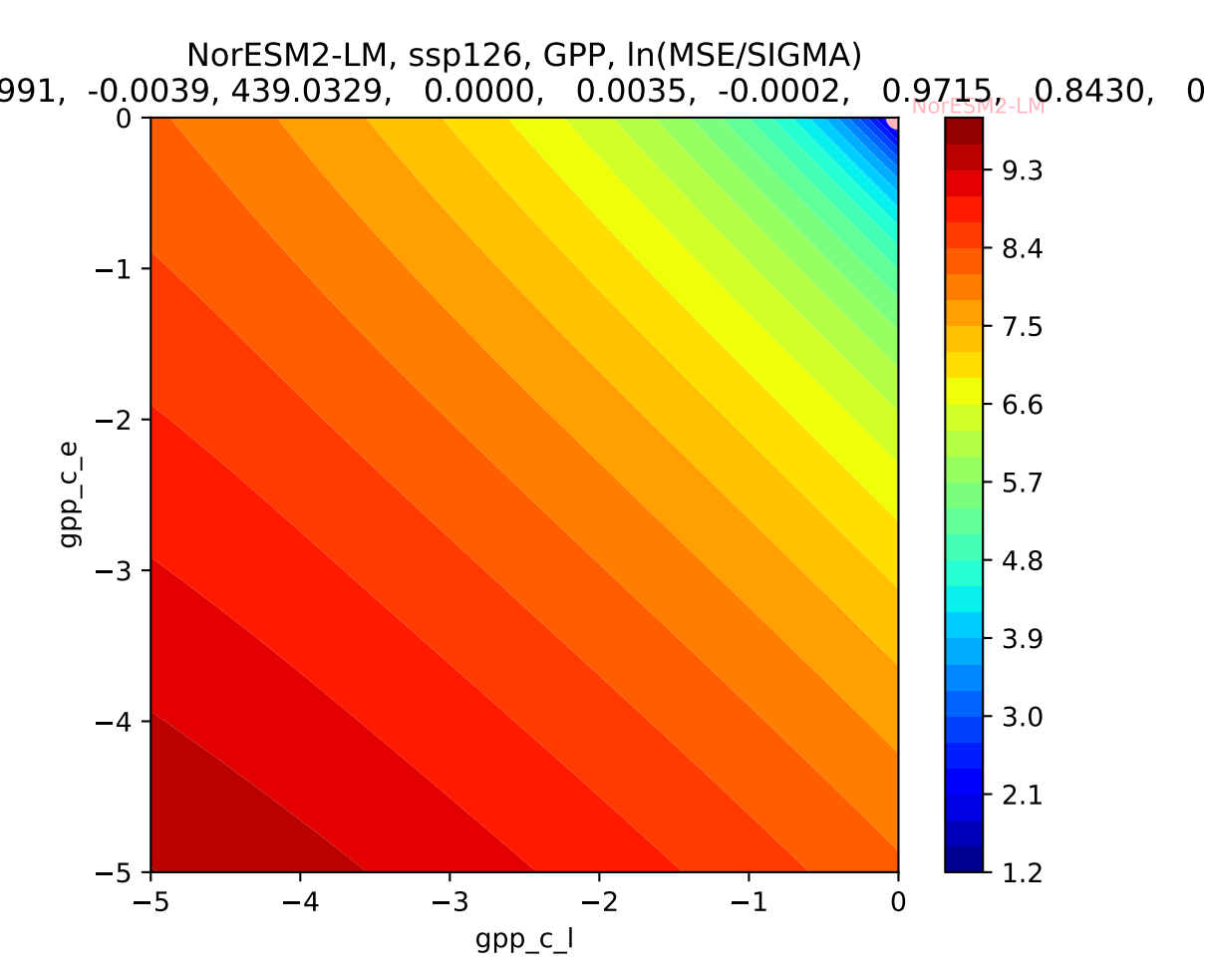

NorESM2-LM, ssp126, GPP
ESM
Fit
GPP
ΔT

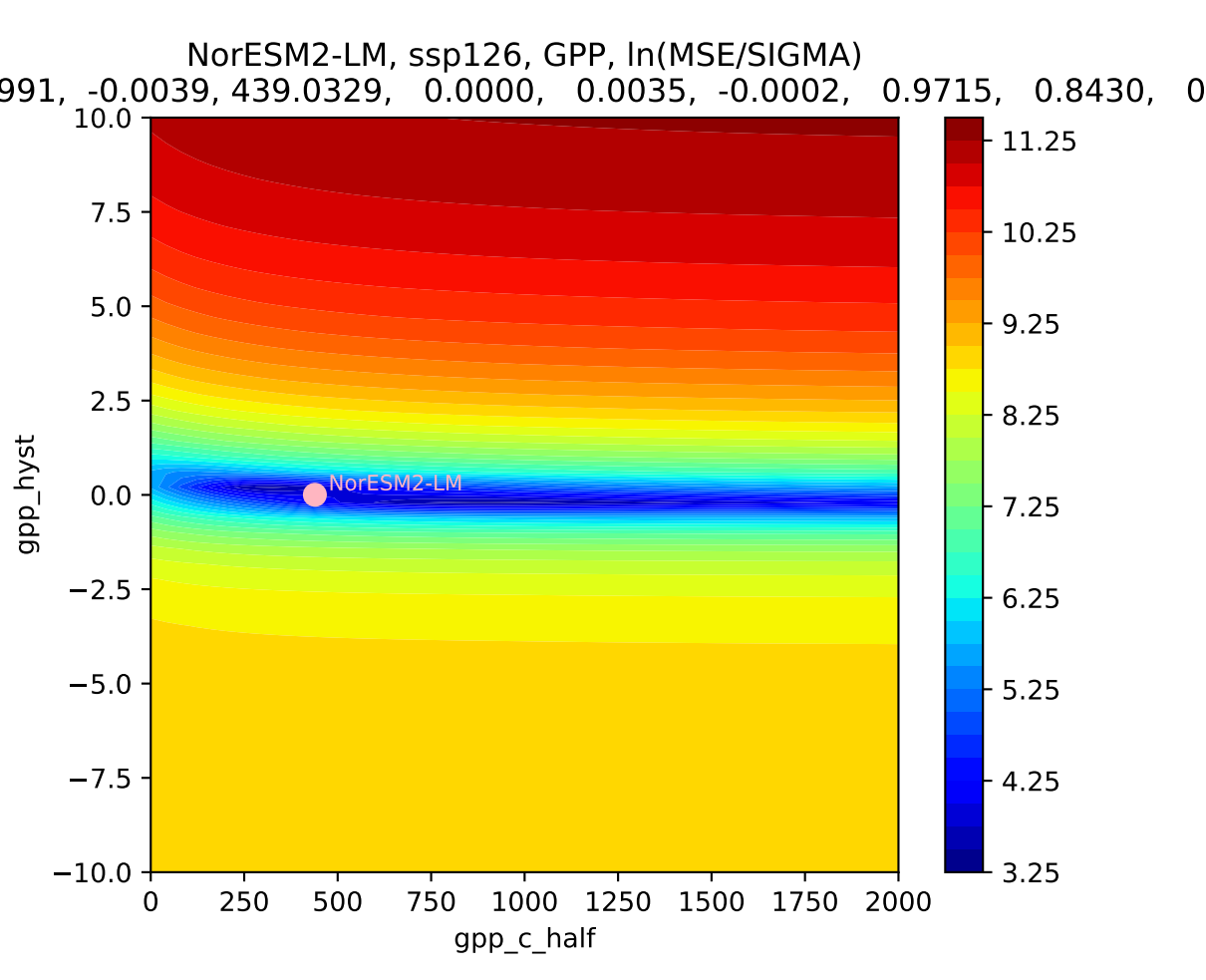

NorESM2-LM, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
ΔT


NorESM2-LM, ssp126, GPP
ESM
Fit
GPP
c_atm


NorESM2-LM, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
c_atm


NorESM2-LM, ssp126, GPP, ln(MSE/SIGMA)
991, -0.0039, 439.0329, 0.0000, 0.0035, -0.0002, 0.9715, 0.8430, 0
gpp_t_e
gpp_t_l
NorESM2-LM
10.4
9.2
8.0
6.8
5.6
4.4
3.2
2.0
0.8


NorESM2-LM, ssp126, GPP, ln(MSE/SIGMA)
991, -0.0039, 439.0329, 0.0000, 0.0035, -0.0002, 0.9715, 0.8430, 0
NorESM2-LM
gpp_c_e
gpp_c_l
0
−1
−2
−3
−4
−5
9.3
8.4
7.5
6.6
5.7
4.8
3.9
3.0
2.1
1.2


NorESM2-LM, ssp126, GPP, ln(MSE/SIGMA)
991, -0.0039, 439.0329, 0.0000, 0.0035, -0.0002, 0.9715, 0.8430, 0
NorESM2-LM
gpp_hyst
gpp_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
11.25
10.25
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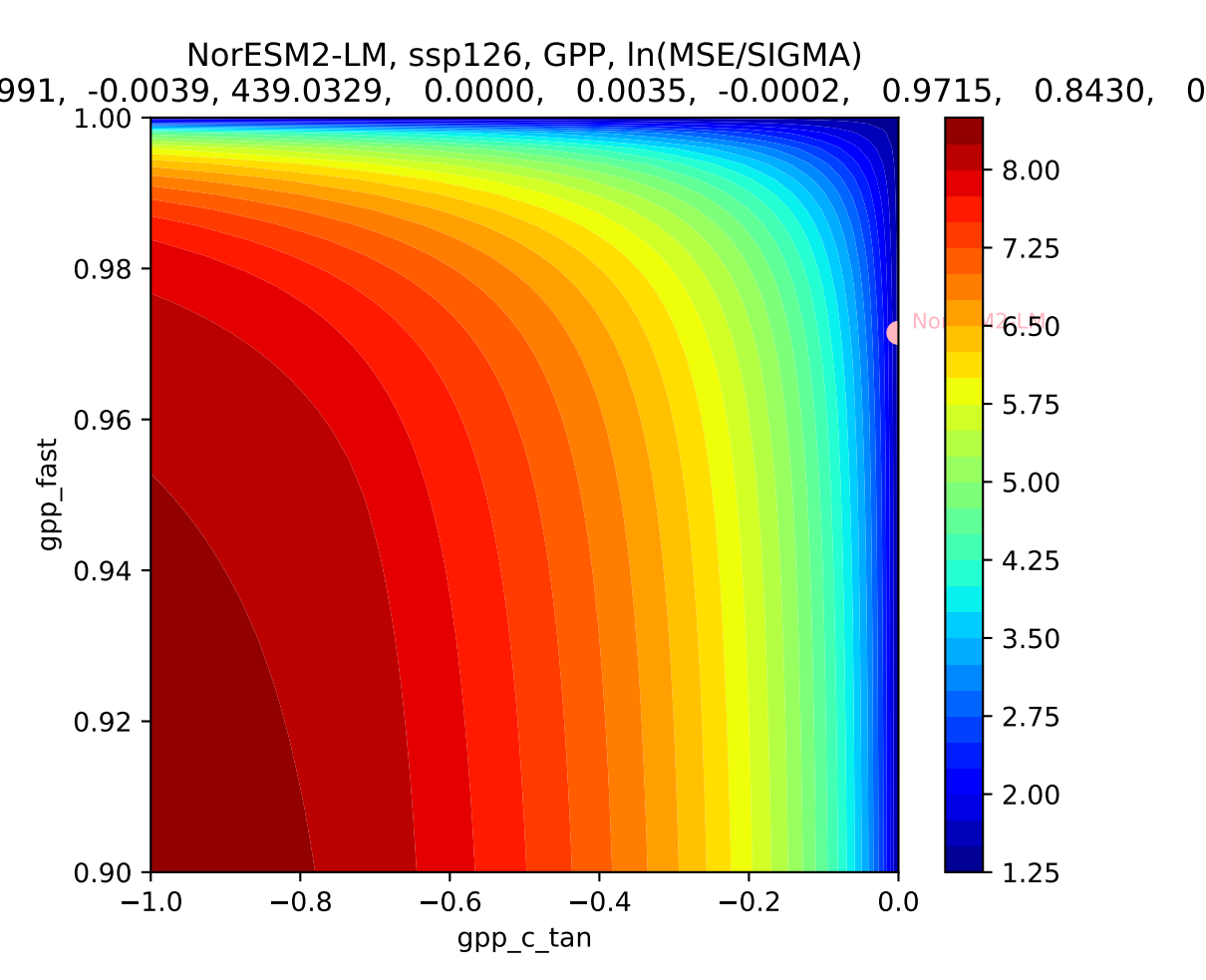
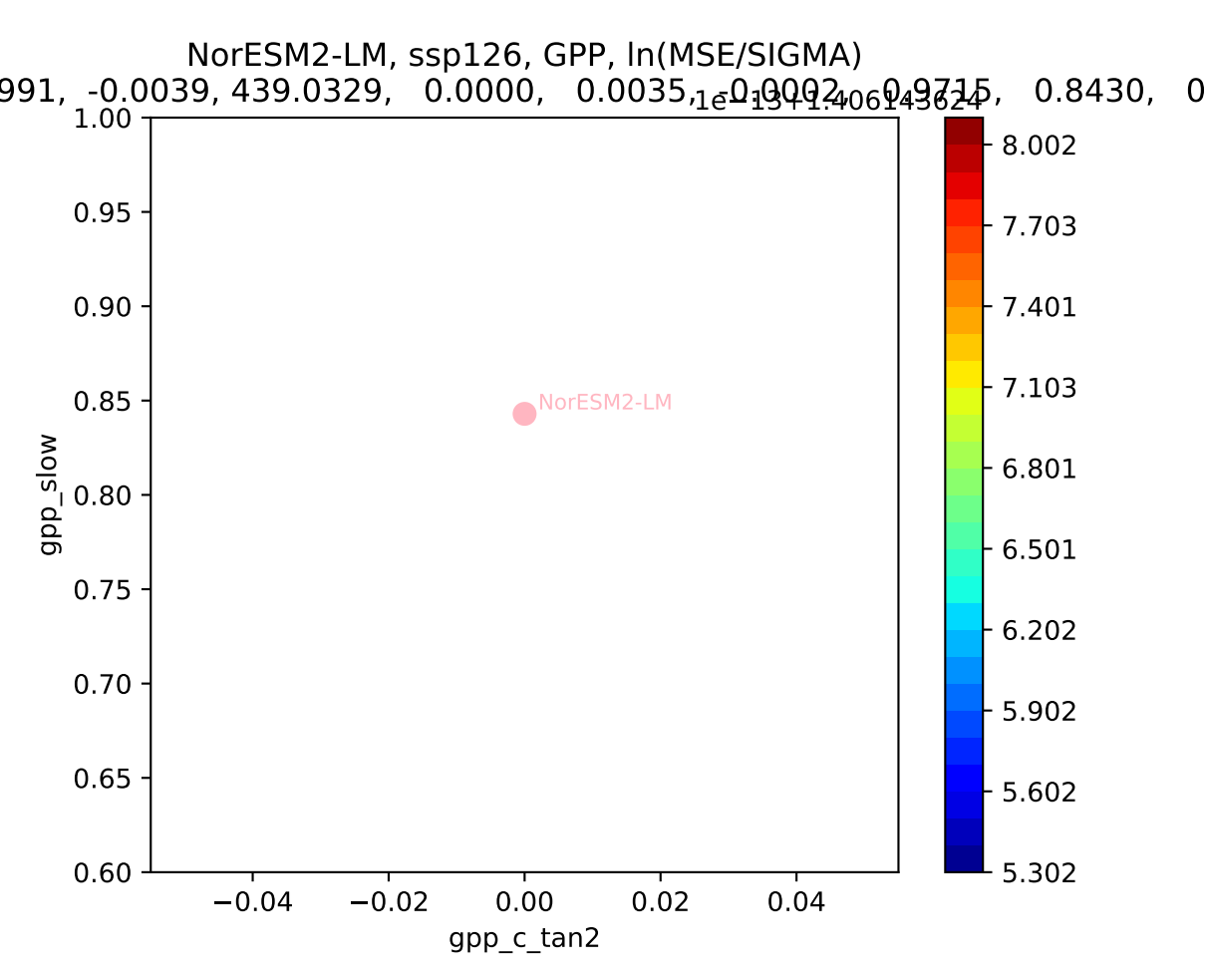
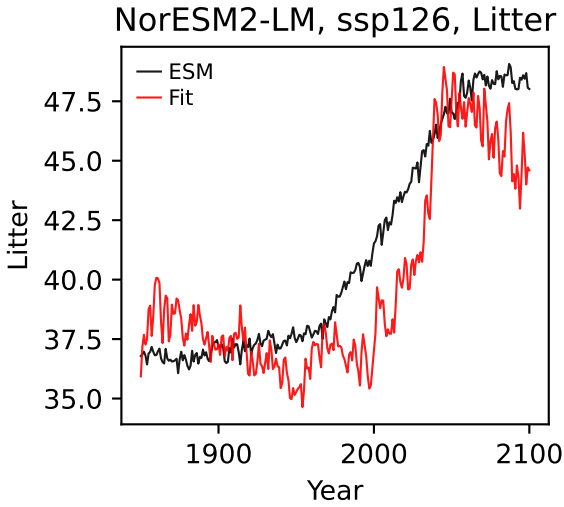
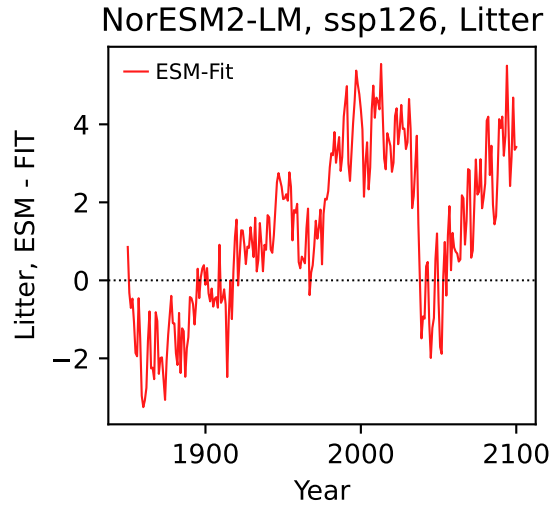
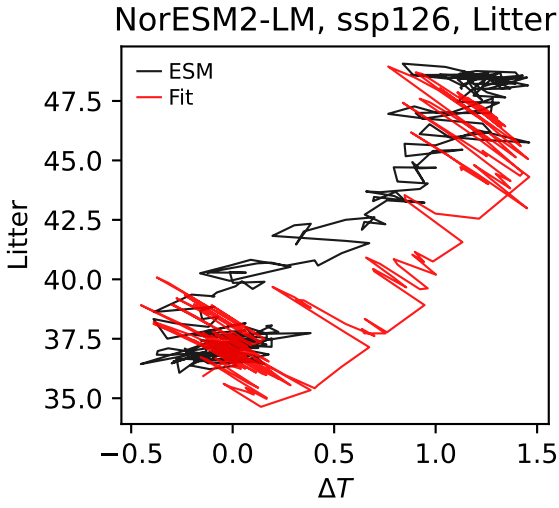
8.25
7.25
6.25
5.25
4.25
3.25

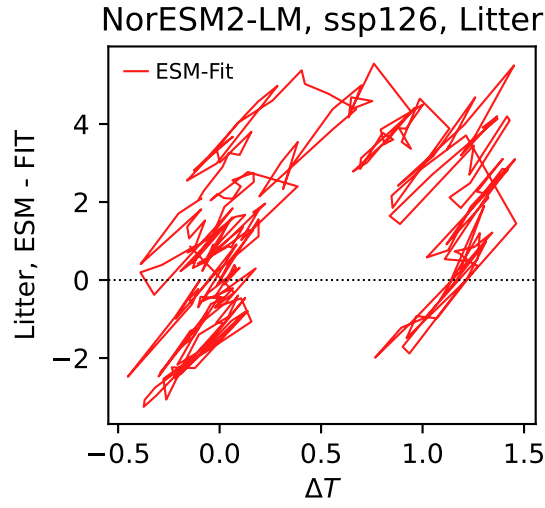

NorESM2-LM, ssp126, GPP, ln(MSE/SIGMA)
991, -0.0039, 439.0329, 0.0000, 0.0035, -0.0002, 0.9715, 0.8430, 0
1.00
0.98
0.96
0.94
0.92
0.90
gpp_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
gpp_c_tan
8.00
7.25
6.50
5.75
5.00
4.25
3.50
2.75
2.00
1.25

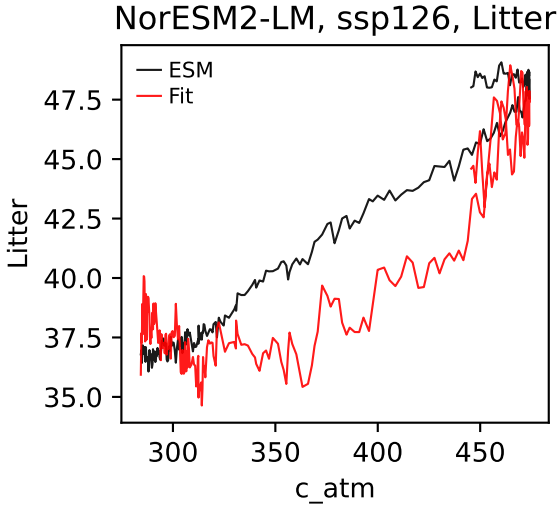

NorESM2-LM, ssp126, GPP, ln(MSE/SIGMA)
991, -0.0039, 439.0329, 0.0000, 0.0035, -0.0002, 0.9715, 0.8430, 0
1e-13+1.406143624
NorESM2-LM
gpp_slow
gpp_c_tan2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
8.002
7.703
7.401
7.103
6.801
6.501
6.202
5.902
5.602
5.302

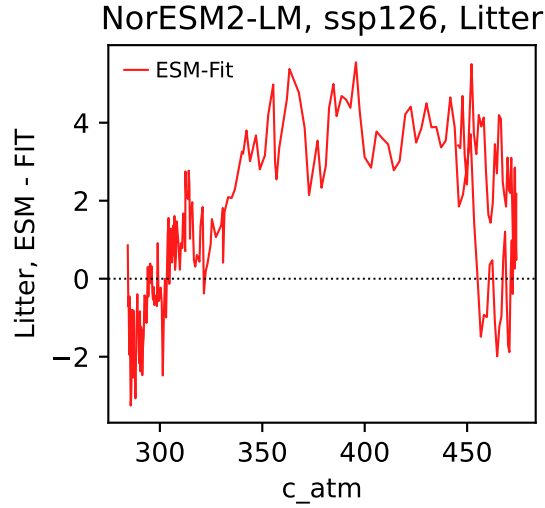

NorESM2-LM, ssp126, Litter
ESM
Fit
Litter
Year

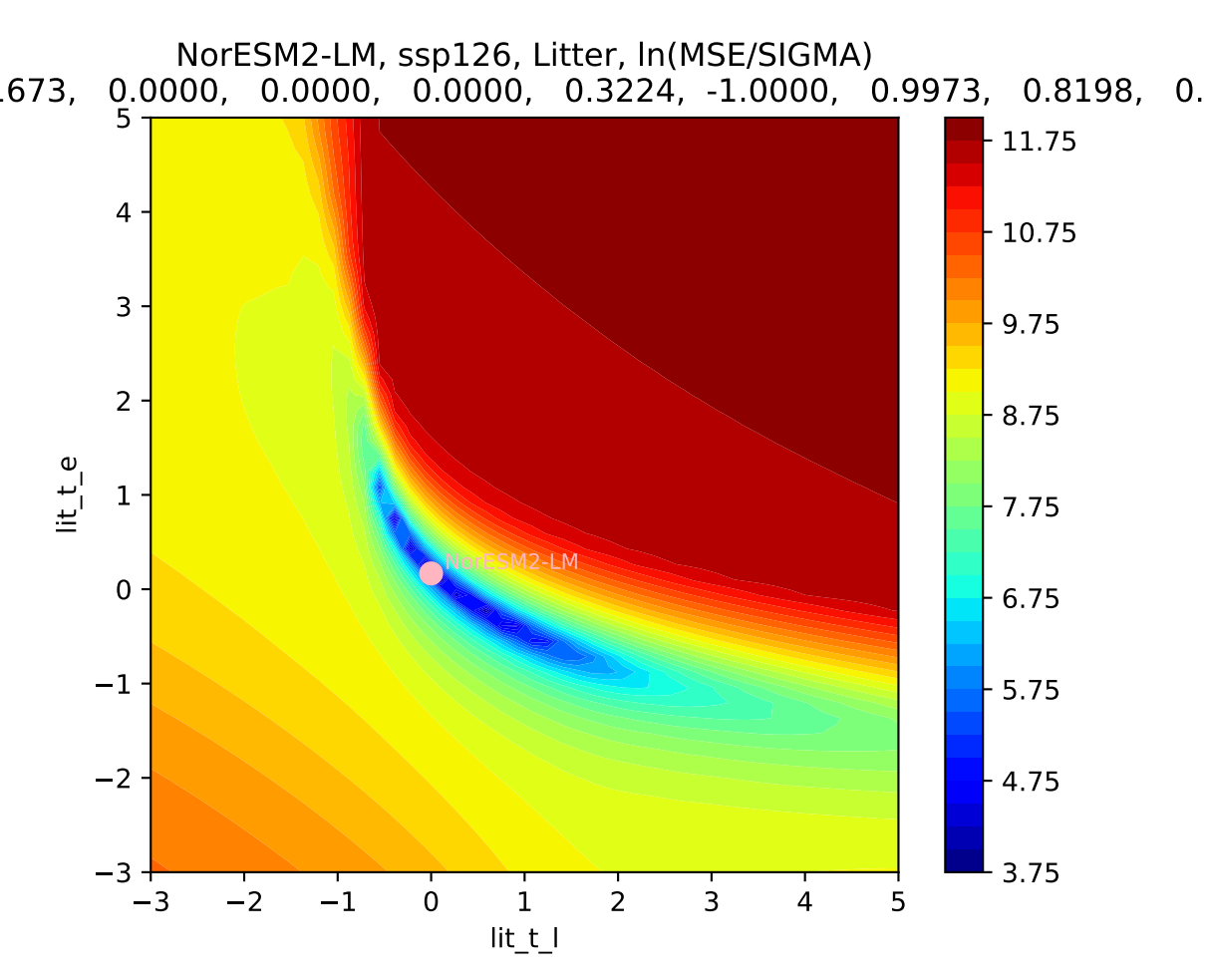

NorESM2-LM, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
Year

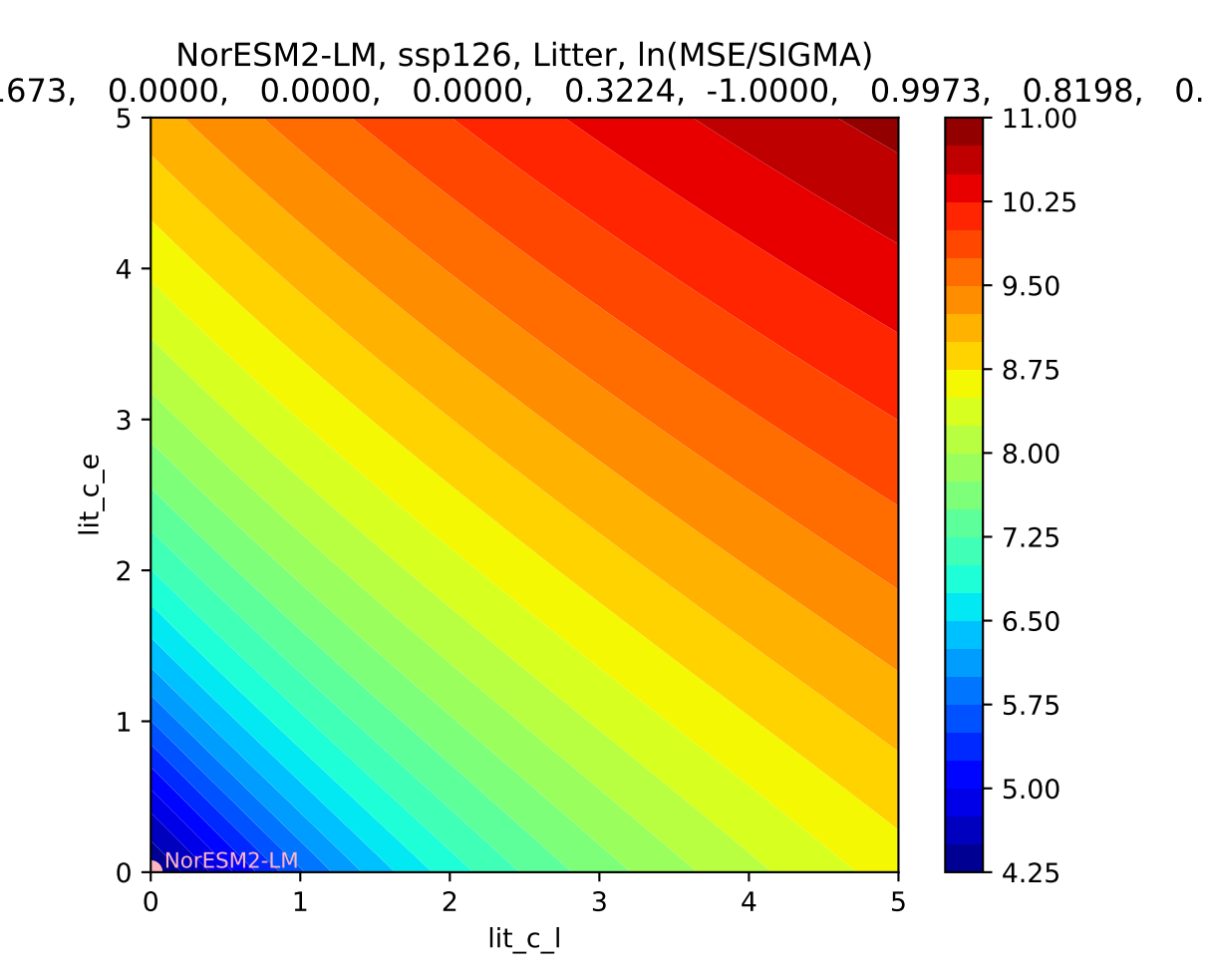

NorESM2-LM, ssp126, Litter
ESM
Fit
Litter
ΔT

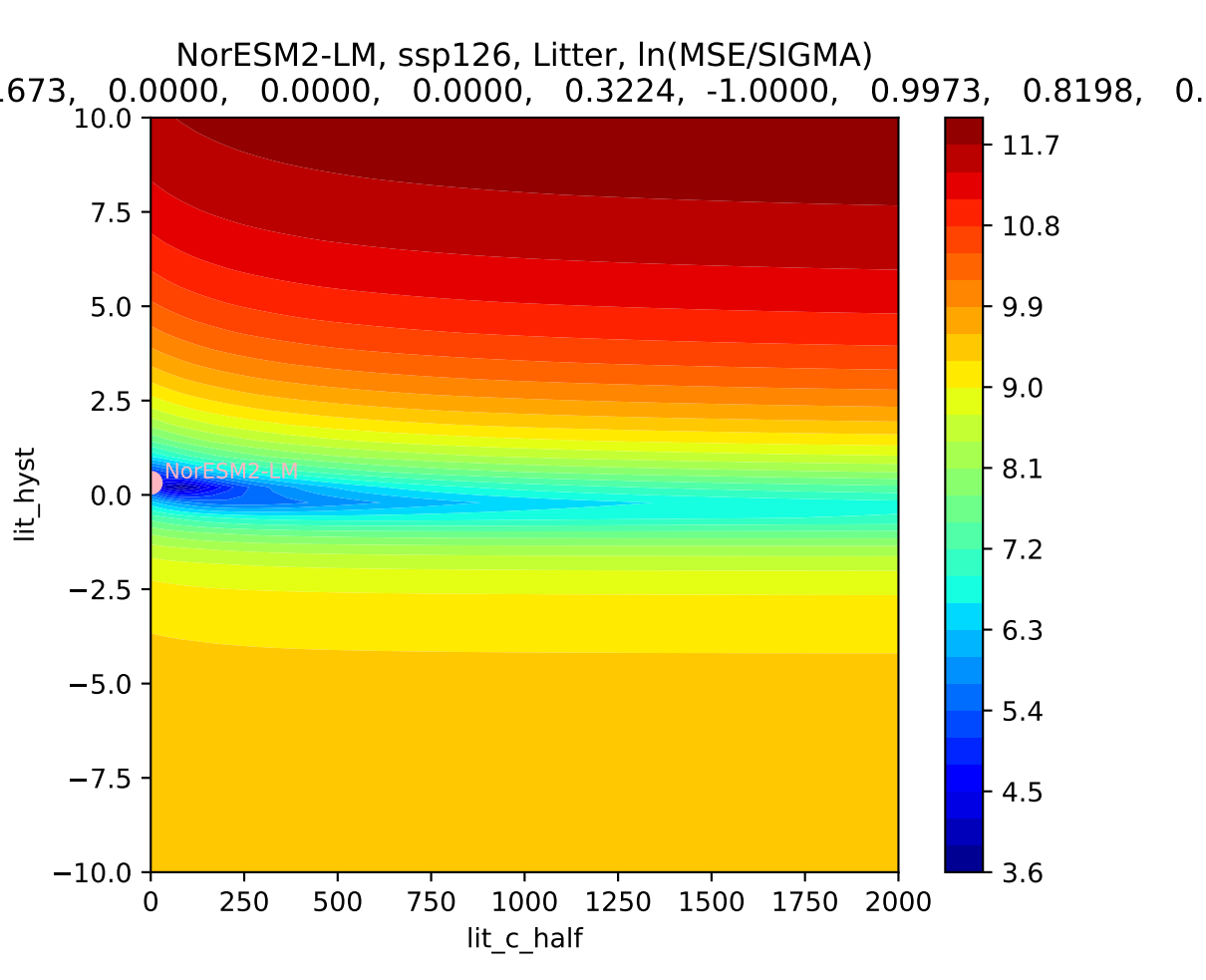

NorESM2-LM, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

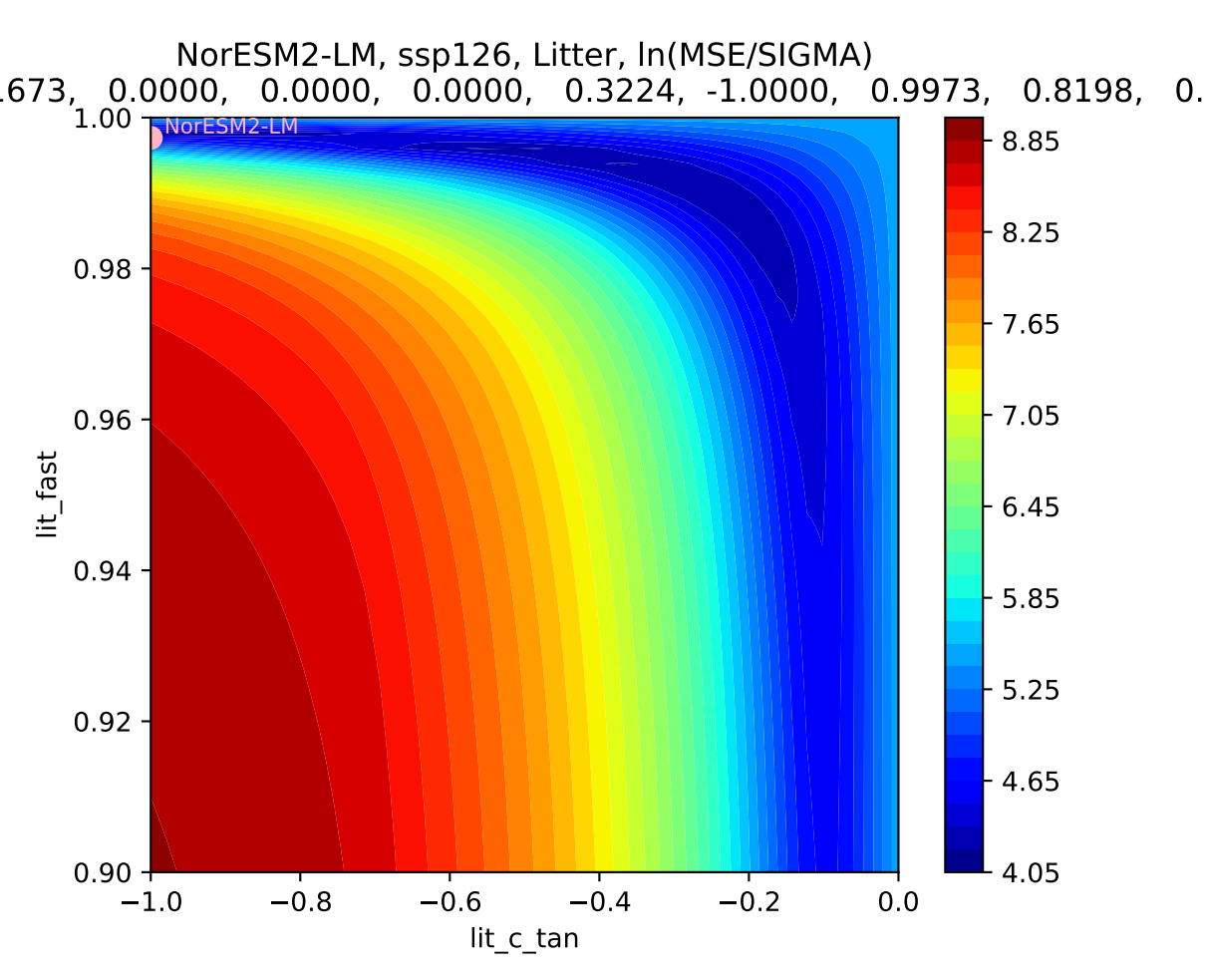

NorESM2-LM, ssp126, Litter
ESM
Fit
Litter
c_atm

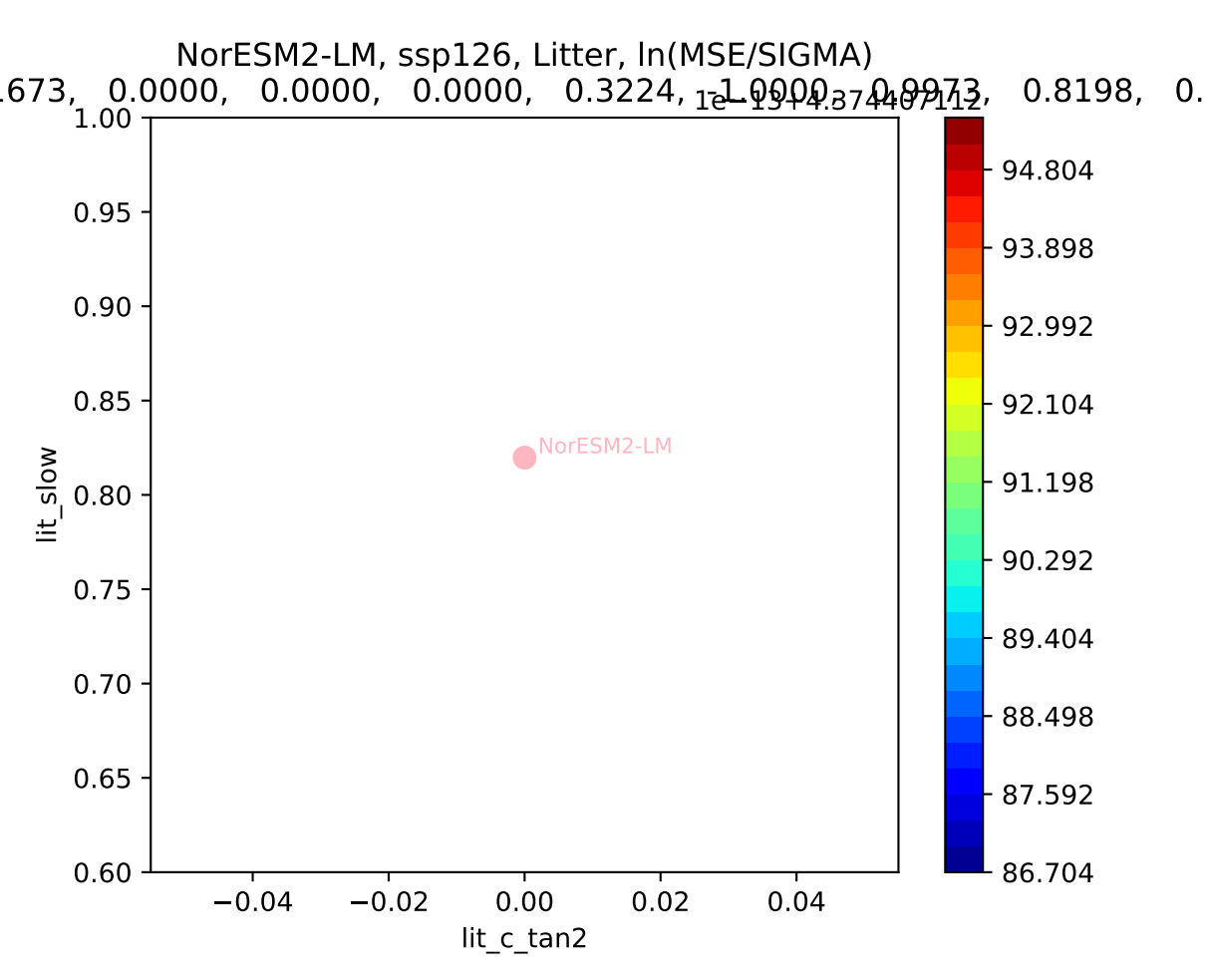

NorESM2-LM, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

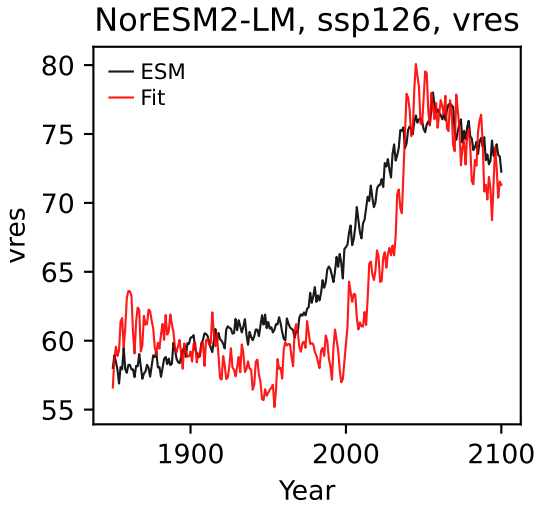

NorESM2-LM, ssp126, Litter, ln(MSE/SIGMA)
1673, 0.0000, 0.0000, 0.0000, 0.3224, -1.0000, 0.9973, 0.8198, 0.
NorESM2-LM
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
11.75
10.75
9.75
8.75
7.75
6.75
5.75
4.75
3.75

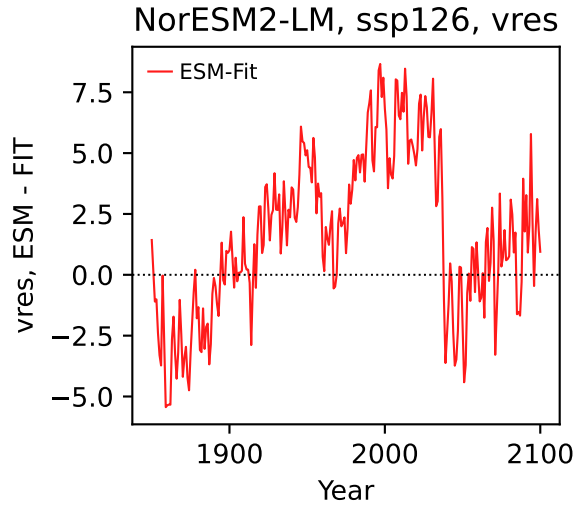

NorESM2-LM, ssp126, Litter, ln(MSE/SIGMA)
1673, 0.0000, 0.0000, 0.0000, 0.3224, -1.0000, 0.9973, 0.8198, 0.
lit_c_e
lit_c_l
NorESM2-LM
0
1
2
3
4
5
11.00
10.25
9.50
8.75
8.00
7.25
6.50
5.75
5.00
4.25

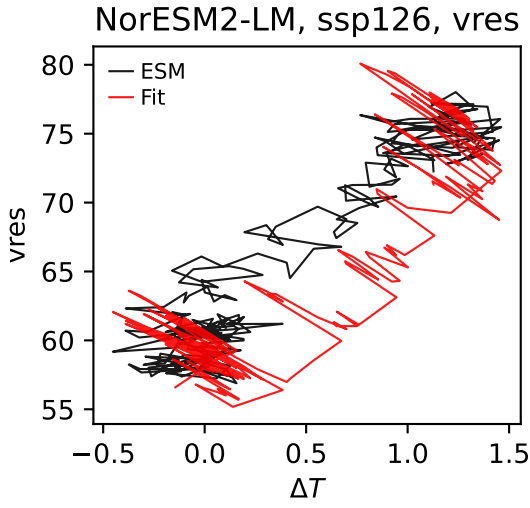

NorESM2-LM, ssp126, Litter, ln(MSE/SIGMA)
1673, 0.0000, 0.0000, 0.0000, 0.3224, -1.0000, 0.9973, 0.8198, 0.
NorESM2-LM
lit_hyst
lit_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
11.7
10.8
9.9
9.0
8.1
7.2
6.3
5.4
4.5
3.6

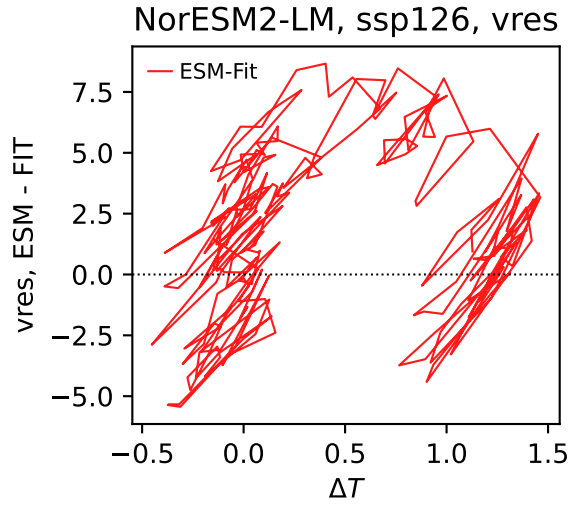

NorESM2-LM, ssp126, Litter, ln(MSE/SIGMA)
1673, 0.0000, 0.0000, 0.0000, 0.3224, -1.0000, 0.9973, 0.8198, 0.
NorESM2-LM
1.00
0.98
0.96
0.94
0.92
0.90
lit_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
lit_c_tan
8.85
8.25
7.65
7.05
6.45
5.85
5.25
4.65
4.05

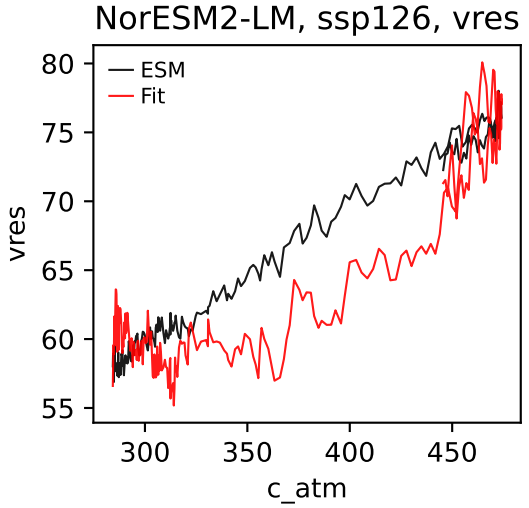

NorESM2-LM, ssp126, Litter, ln(MSE/SIGMA)
1673, 0.0000, 0.0000, 0.0000, 0.3224, 1.0000, 0.9973, 0.8198, 0.
1e−13+4.374407112
NorESM2-LM
lit_slow
lit_c_tan2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
94.804
93.898
92.992
92.104
91.198
90.292
89.404
88.498
87.592
86.704

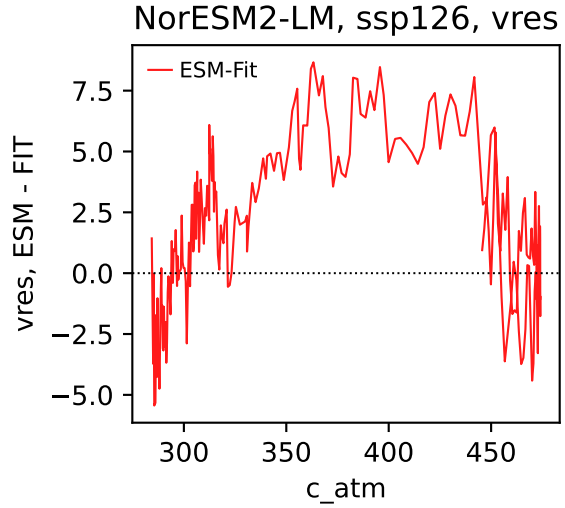

NorESM2-LM, ssp126, vres
ESM
Fit
vres
Year

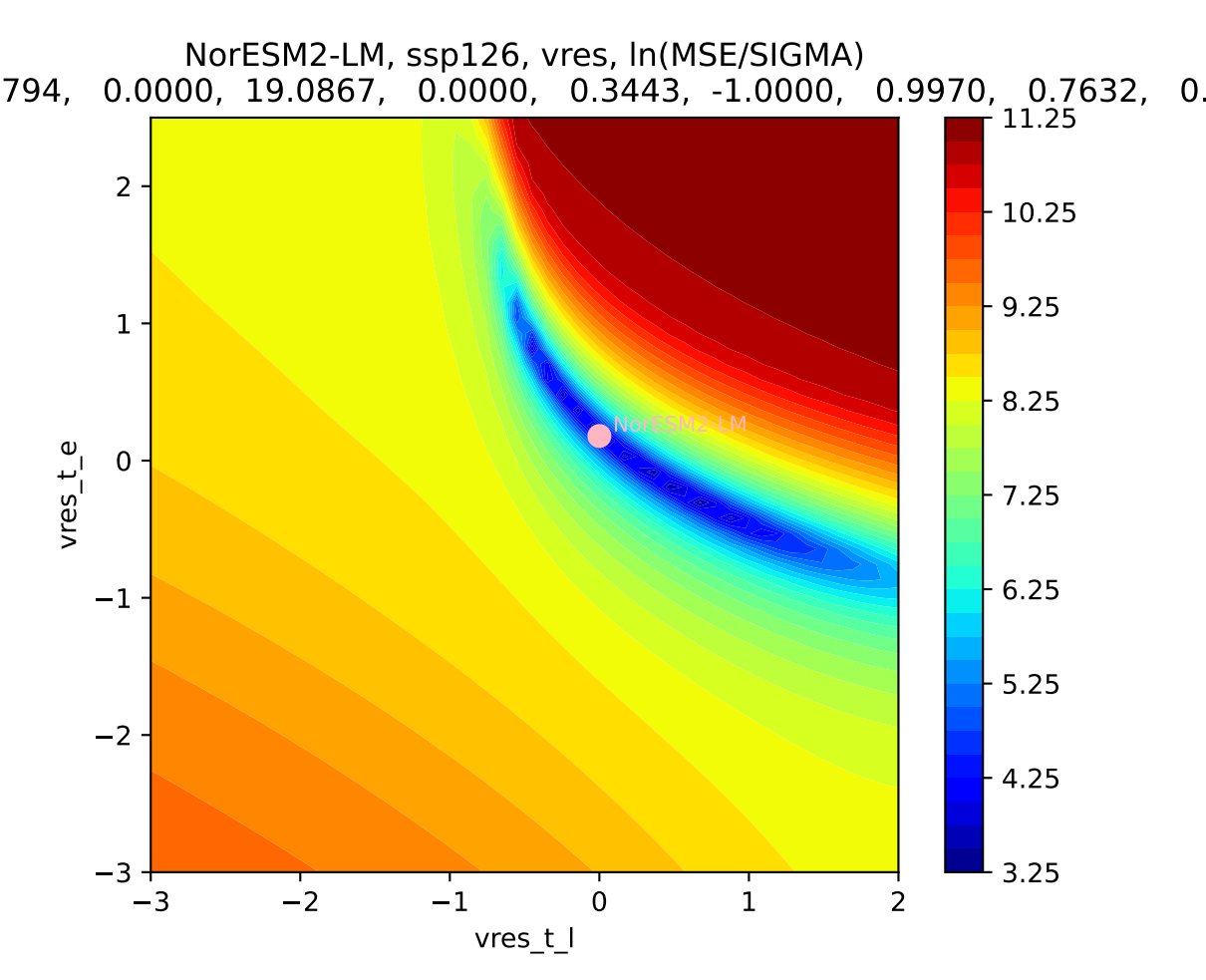

NorESM2-LM, ssp126, vres
ESM-Fit
vres, ESM - FIT
Year

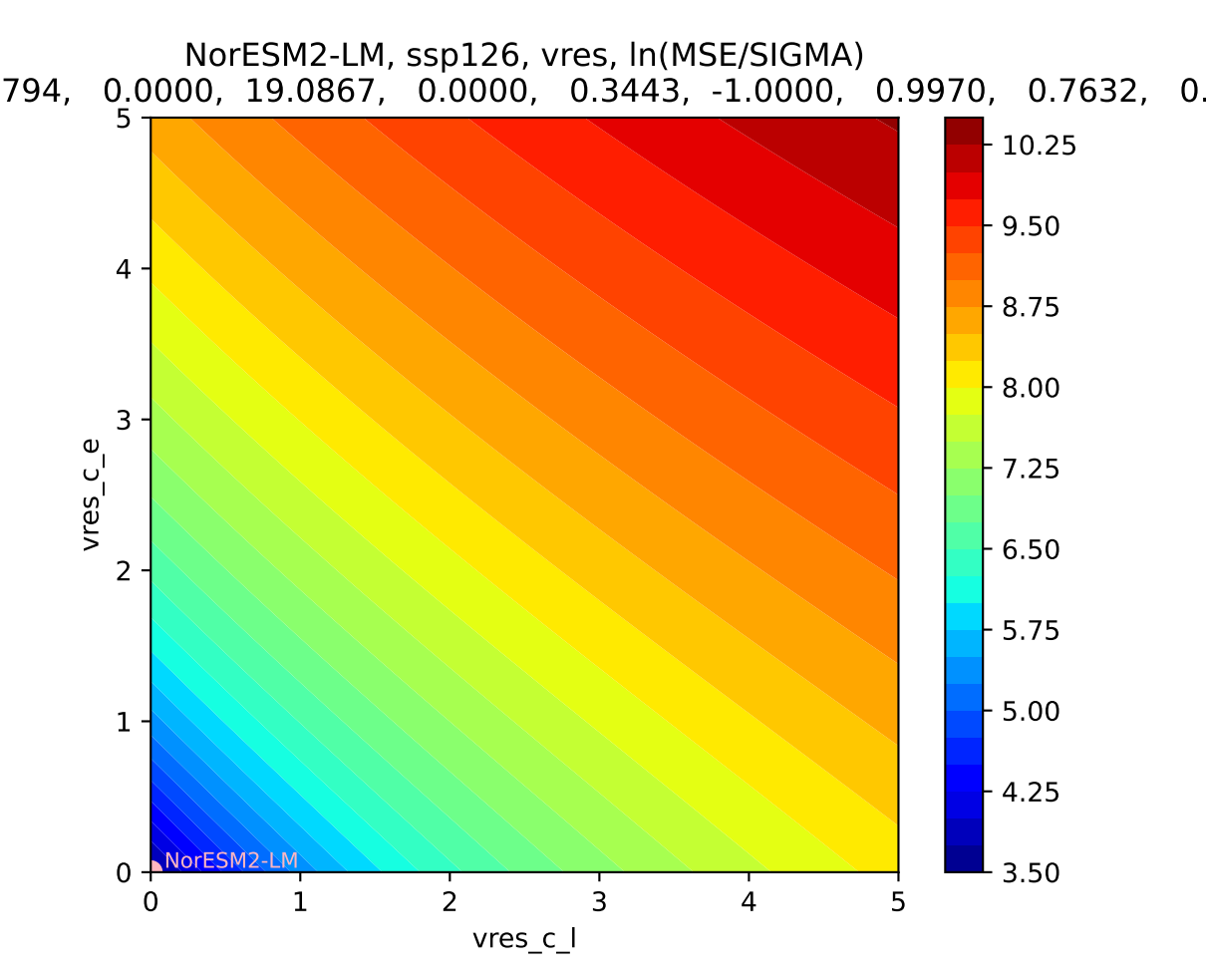

NorESM2-LM, ssp126, vres
ESM
Fit
vres
ΔT

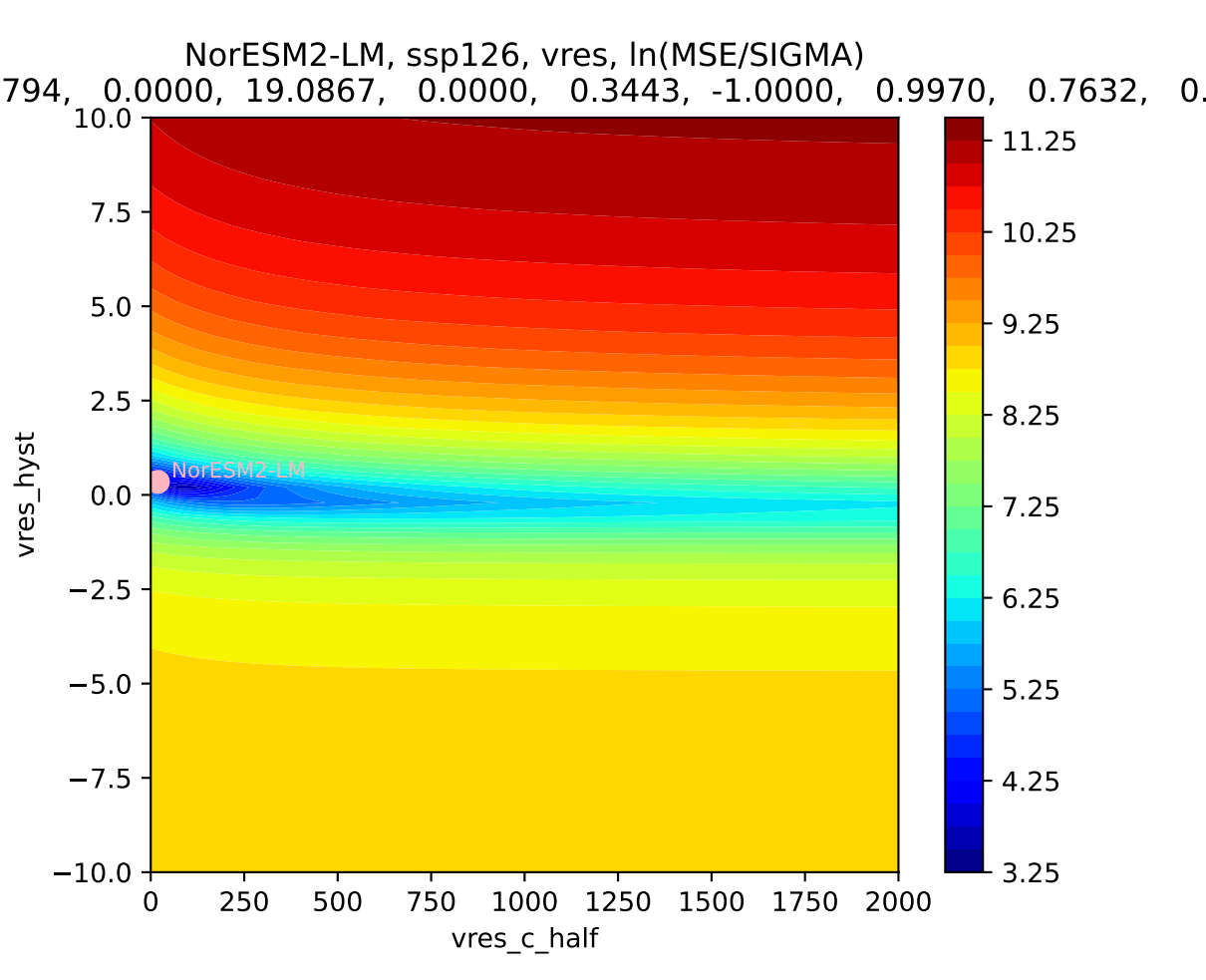

NorESM2-LM, ssp126, vres
ESM-Fit
vres, ESM - FIT
ΔT

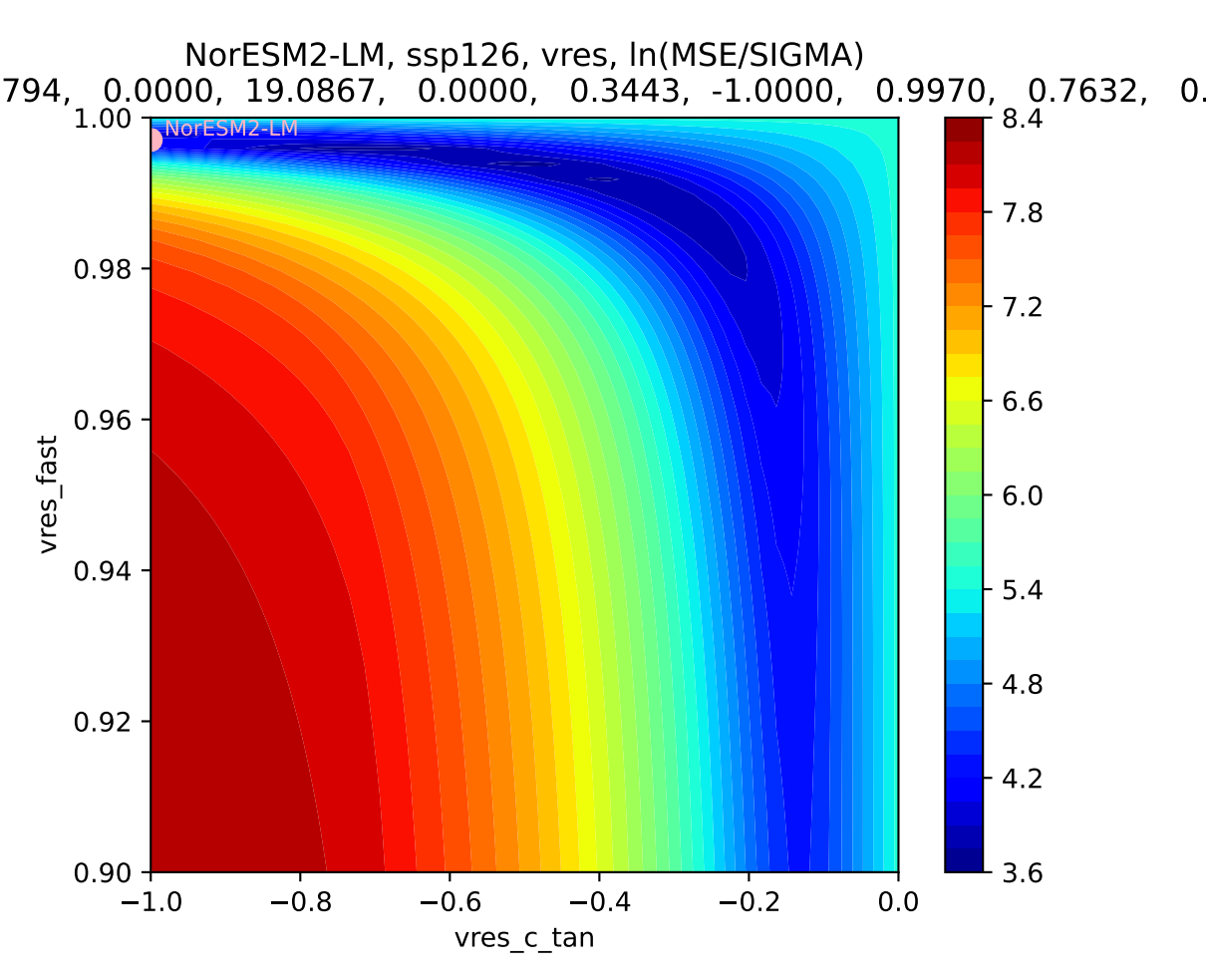

NorESM2-LM, ssp126, vres
ESM
Fit
vres
c_atm

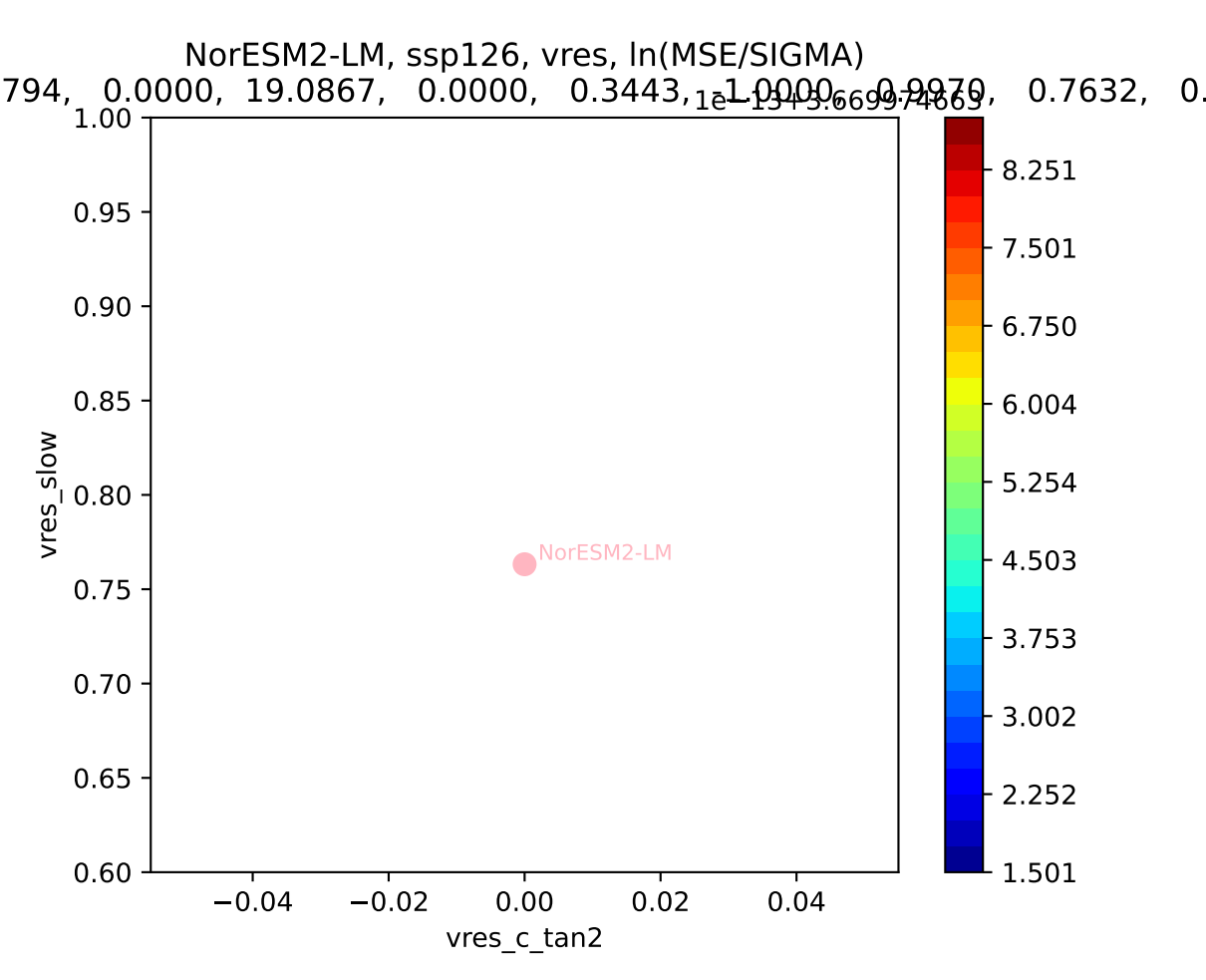

NorESM2-LM, ssp126, vres
ESM-Fit
vres, ESM - FIT
c_atm

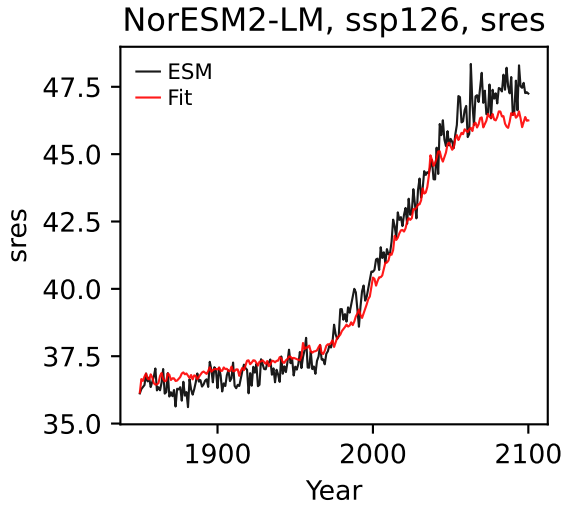

NorESM2-LM, ssp126, vres, ln(MSE/SIGMA)
794, 0.0000, 19.0867, 0.0000, 0.3443, -1.0000, 0.9970, 0.7632, 0.
NorESM2-LM
vres_t_e
vres_t_l
−3
−2
−1
0
1
2
11.25
10.25
9.25
8.25
7.25
6.25
5.25
4.25
3.25

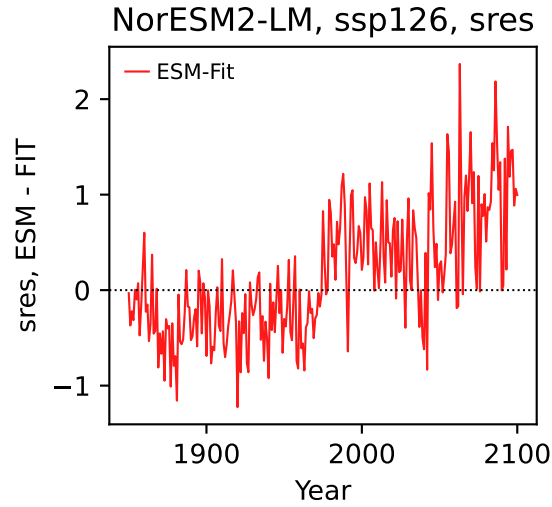

NorESM2-LM, ssp126, vres, ln(MSE/SIGMA)
794, 0.0000, 19.0867, 0.0000, 0.3443, -1.0000, 0.9970, 0.7632, 0.
vres_c_e
vres_c_l
NorESM2-LM
0
1
2
3
4
5
10.25
9.50
8.75
8.00
7.25
6.50
5.75
5.00
4.25
3.50

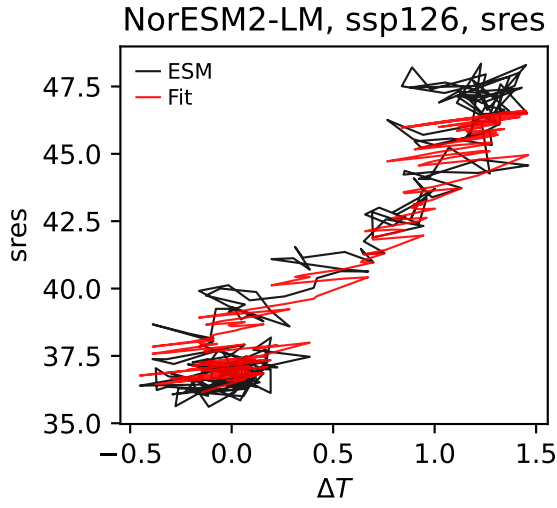

NorESM2-LM, ssp126, vres, ln(MSE/SIGMA)
794, 0.0000, 19.0867, 0.0000, 0.3443, -1.0000, 0.9970, 0.7632, 0.
NorESM2-LM
vres_hyst
vres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
11.25
10.25
9.25
8.25
7.25
6.25
5.25
4.25
3.25

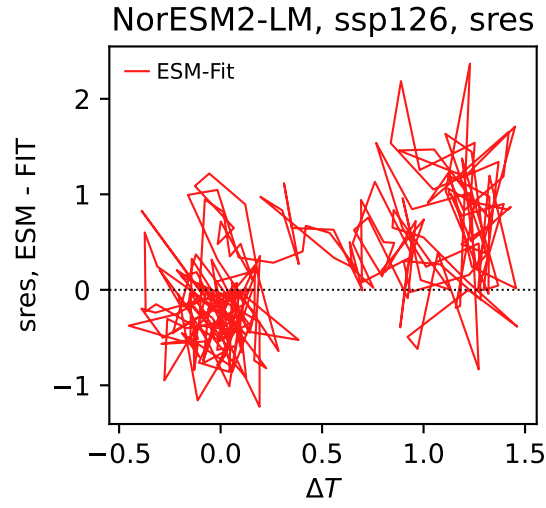

NorESM2-LM, ssp126, vres, ln(MSE/SIGMA)
794, 0.0000, 19.0867, 0.0000, 0.3443, -1.0000, 0.9970, 0.7632, 0.
NorESM2-LM
1.00
0.98
0.96
0.94
0.92
0.90
vres_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
vres_c_tan
8.4
7.8
7.2
6.6
6.0
5.4
4.8
4.2
3.6

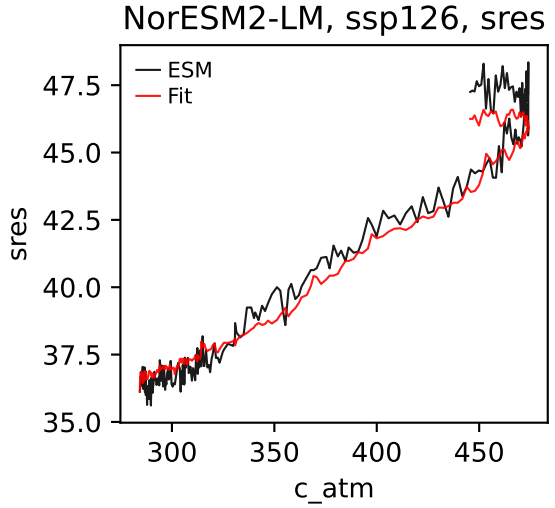

NorESM2-LM, ssp126, vres, ln(MSE/SIGMA)
794, 0.0000, 19.0867, 0.0000, 0.3443, 1.0000, 0.9970, 0.7632, 0.
1e−13 3.669974669
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
NorESM2-LM
−0.04
−0.02
0.00
0.02
0.04
vres_c_tan2
8.251
7.501
6.750
6.004
5.254
4.503
3.753
3.002
2.252
1.501

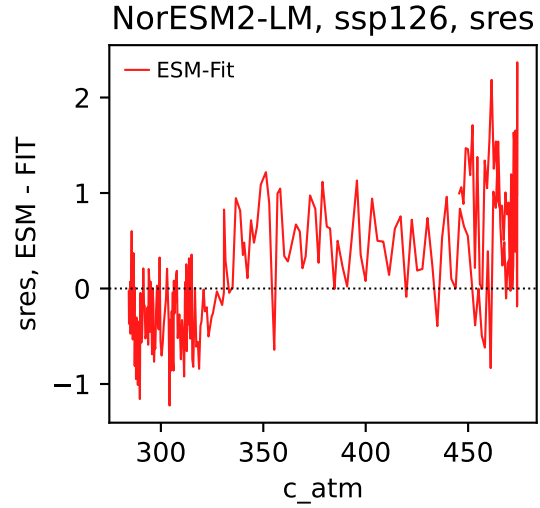

NorESM2-LM, ssp126, sres
ESM
Fit
sres
Year

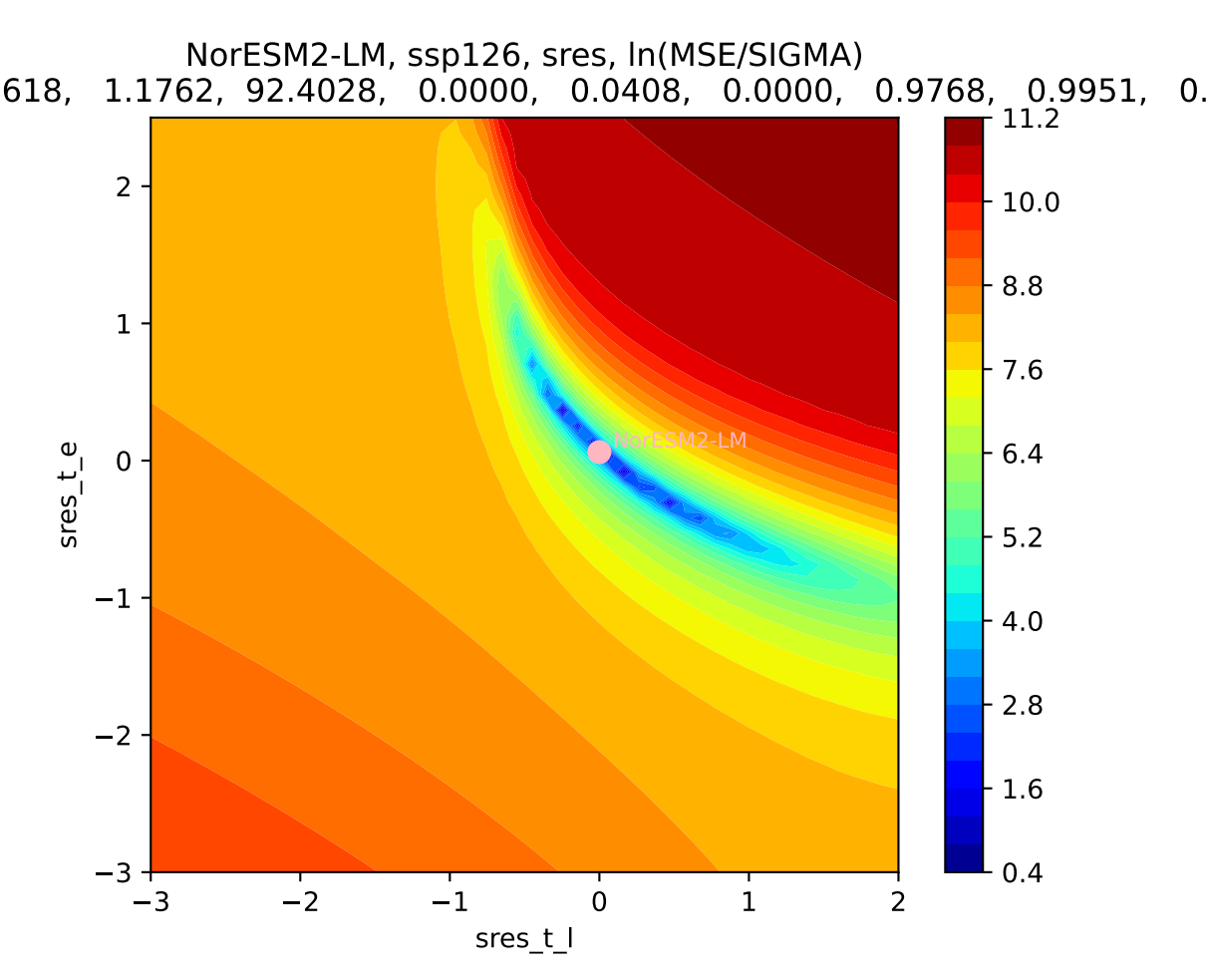

NorESM2-LM, ssp126, sres
ESM-Fit
sres, ESM - FIT
Year

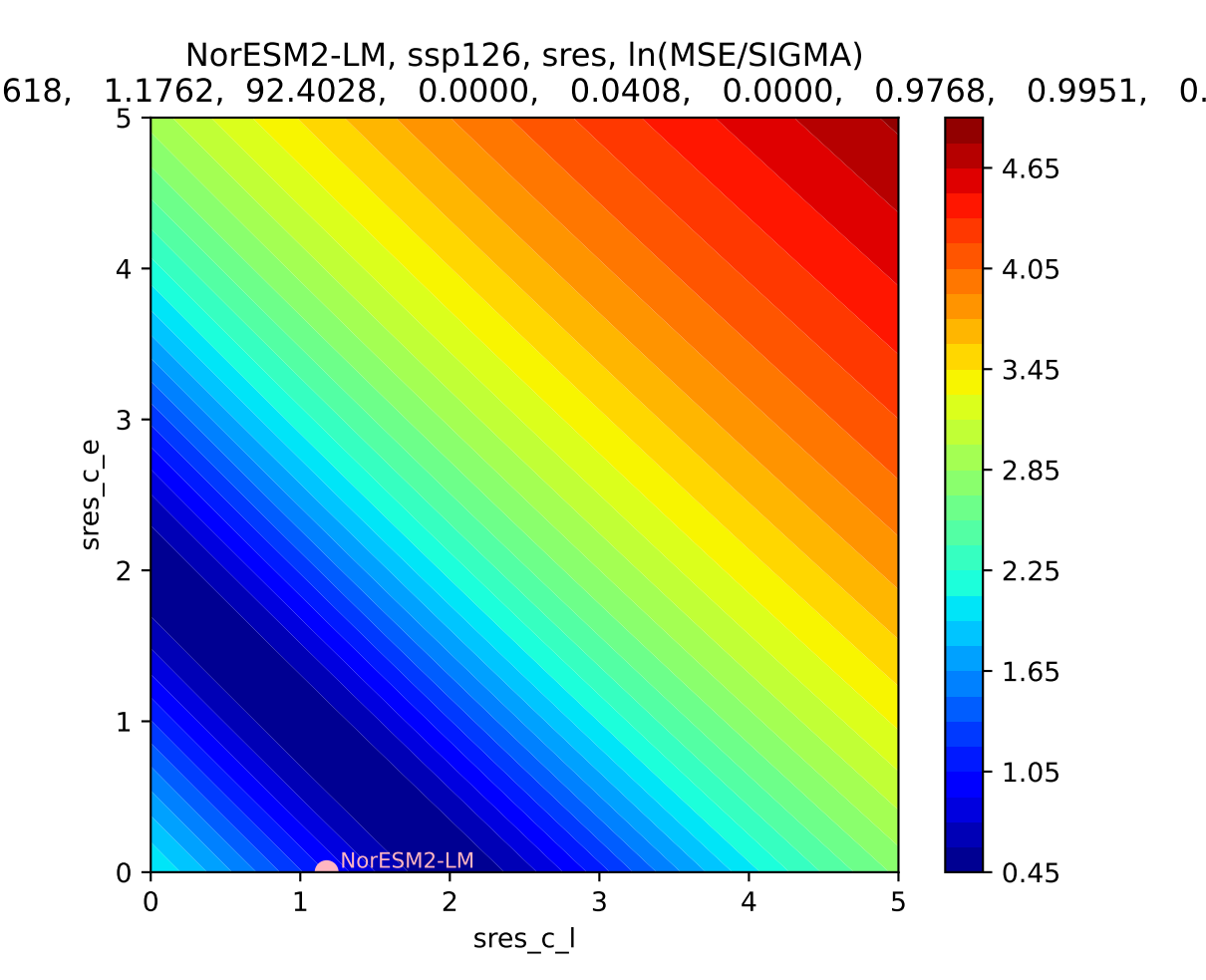

NorESM2-LM, ssp126, sres
ESM
Fit
sres
ΔT

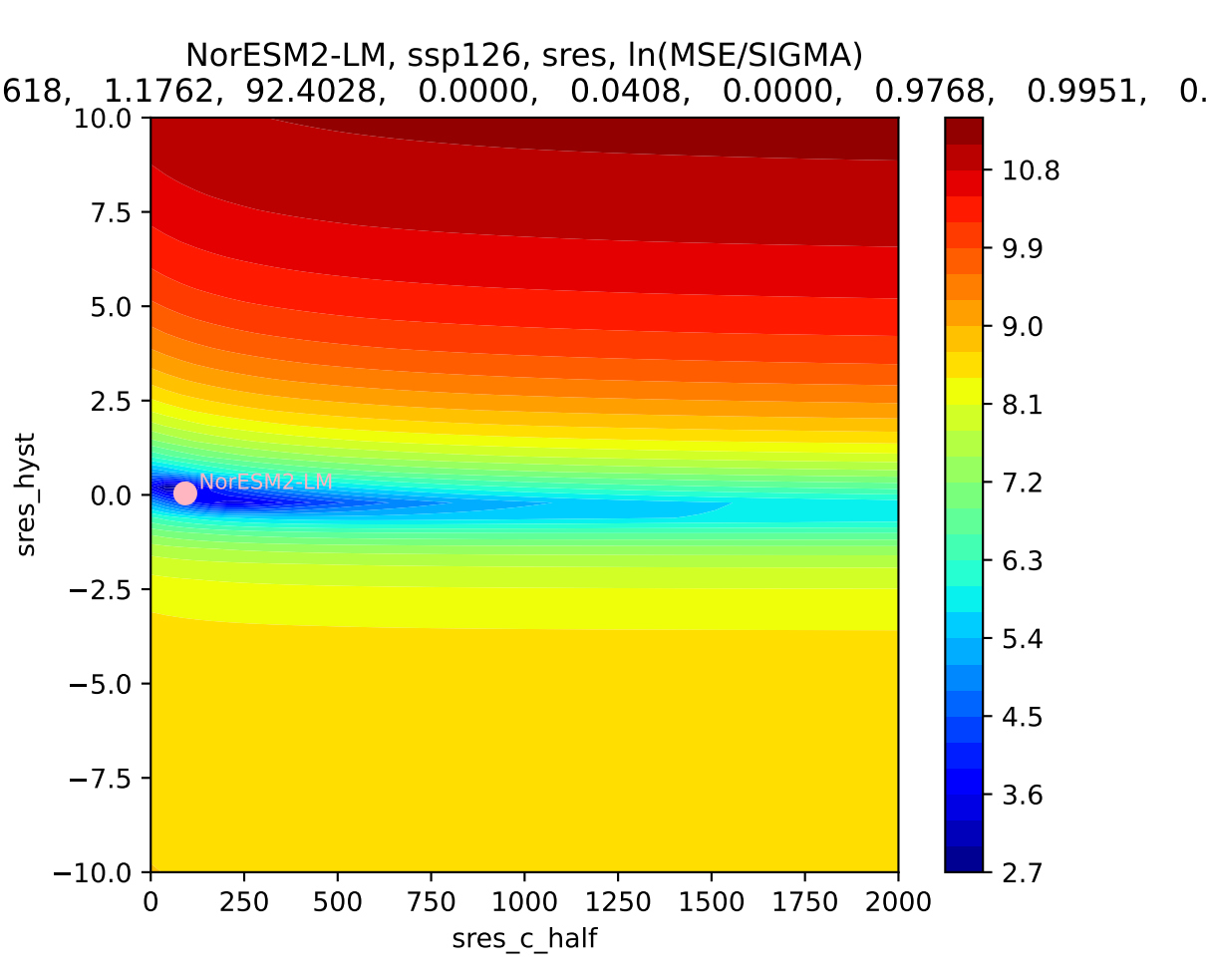

NorESM2-LM, ssp126, sres
ESM-Fit
sres, ESM - FIT
ΔT

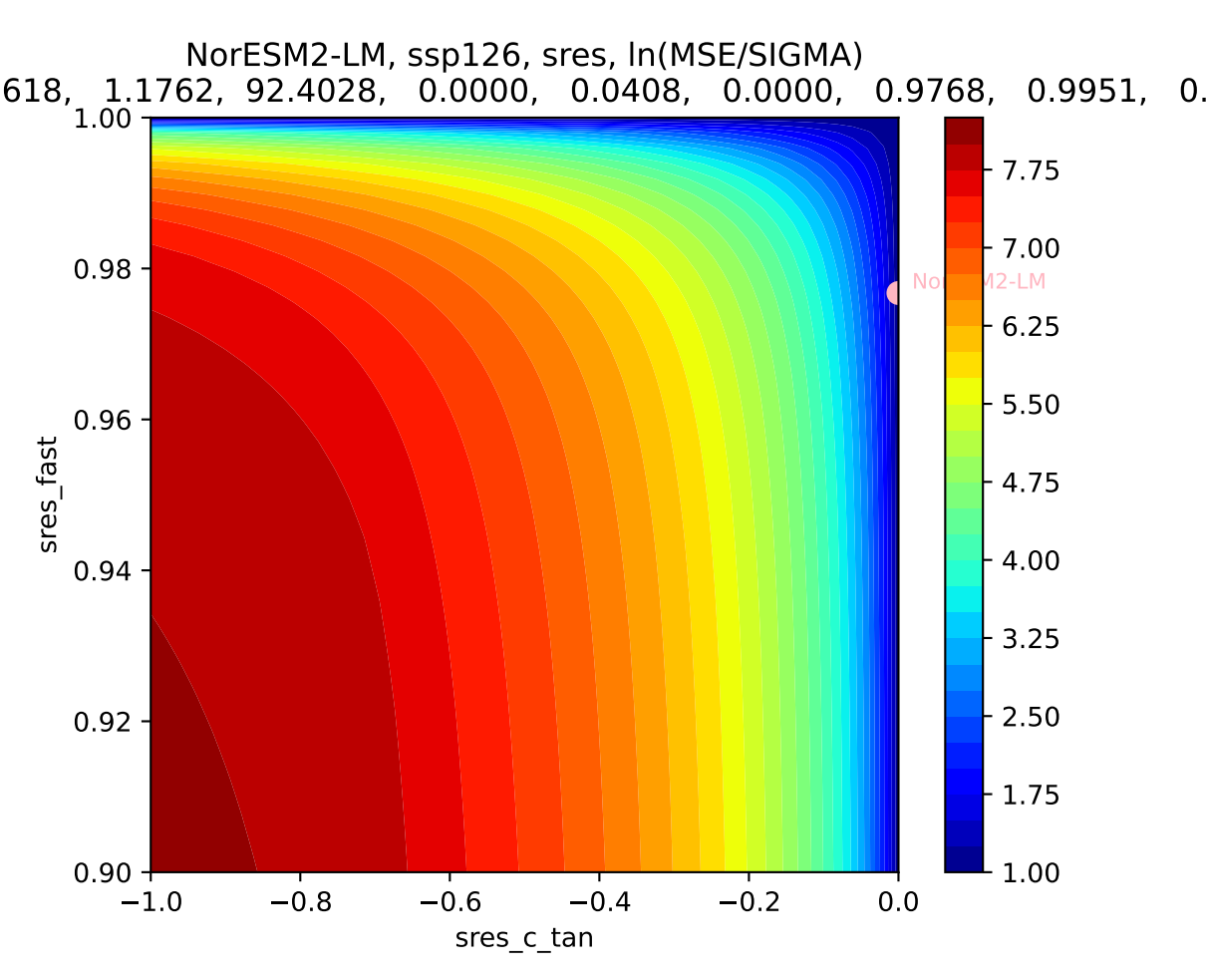

NorESM2-LM, ssp126, sres
ESM
Fit
sres
c_atm

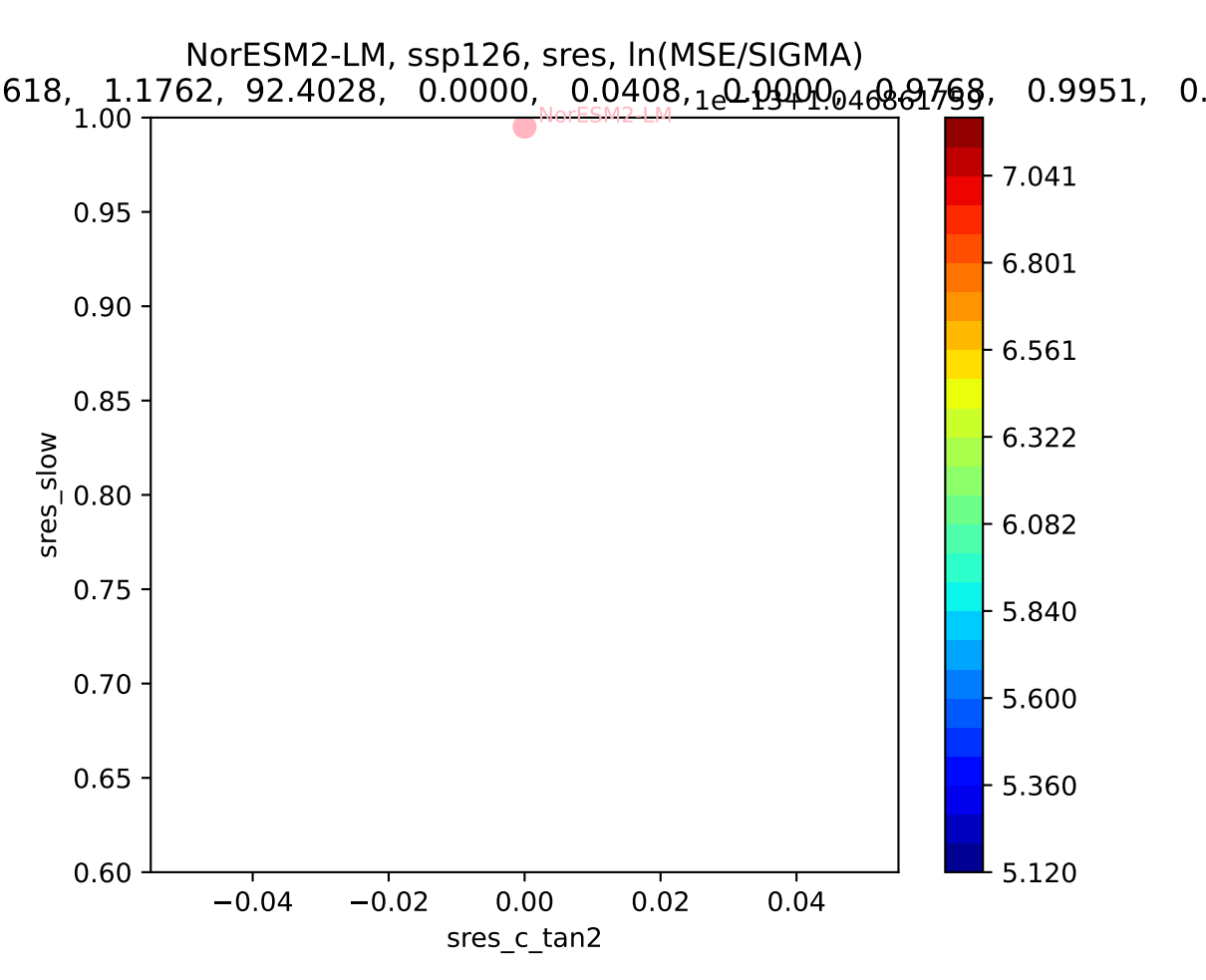

NorESM2-LM, ssp126, sres
ESM-Fit
sres, ESM - FIT
c_atm

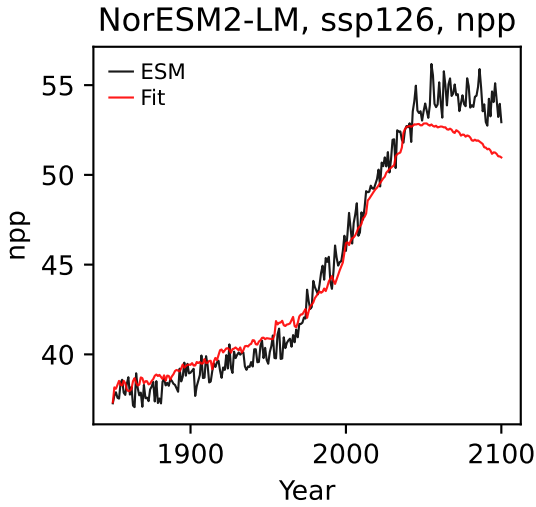

NorESM2-LM, ssp126, sres, ln(MSE/SIGMA)
618, 1.1762, 92.4028, 0.0000, 0.0408, 0.0000, 0.9768, 0.9951, 0.
NorESM2-LM
sres_t_e
sres_t_l
−3
−2
−1
0
1
2
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

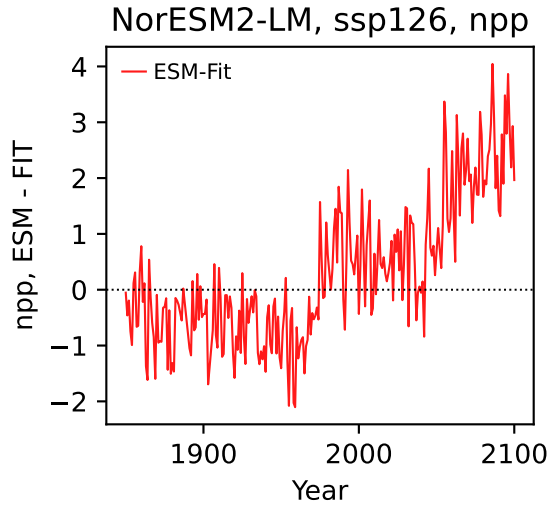

NorESM2-LM, ssp126, sres, ln(MSE/SIGMA)
618, 1.1762, 92.4028, 0.0000, 0.0408, 0.0000, 0.9768, 0.9951, 0.
sres_c_e
sres_c_l
NorESM2-LM
0
1
2
3
4
5
4.65
4.05
3.45
2.85
2.25
1.65
1.05
0.45

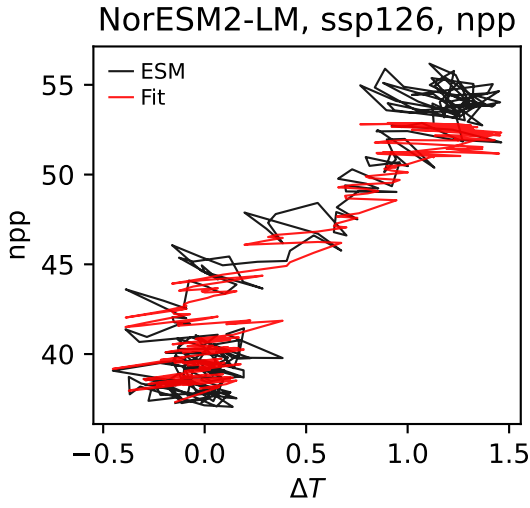

NorESM2-LM, ssp126, sres, ln(MSE/SIGMA)
618, 1.1762, 92.4028, 0.0000, 0.0408, 0.0000, 0.9768, 0.9951, 0.
NorESM2-LM
sres_hyst
sres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.8
9.9
9.0
8.1
7.2
6.3
5.4
4.5
3.6
2.7

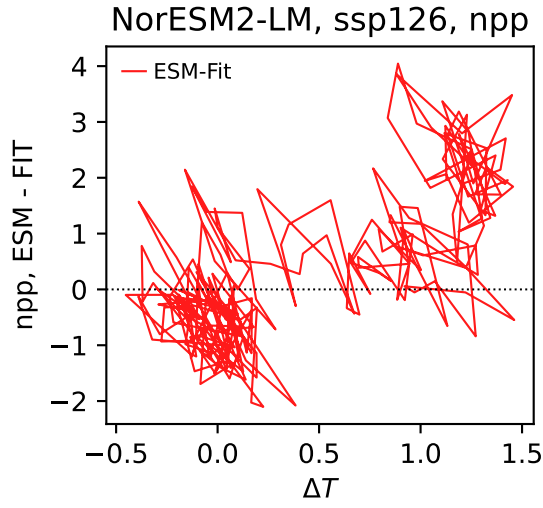

NorESM2-LM, ssp126, sres, ln(MSE/SIGMA)
618, 1.1762, 92.4028, 0.0000, 0.0408, 0.0000, 0.9768, 0.9951, 0.
1.00
0.98
0.96
0.94
0.92
0.90
sres_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
sres_c_tan
7.75
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00

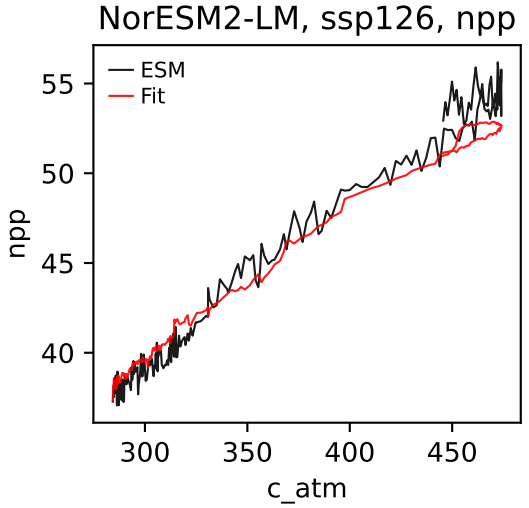

NorESM2-LM, ssp126, sres, ln(MSE/SIGMA)
618, 1.1762, 92.4028, 0.0000, 0.0408, 0.0000, 0.9768, 0.9951, 0.
1e-134 1.046861799
NorESM2-LM
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
−0.04
−0.02
0.00
0.02
0.04
sres_c_tan2
7.041
6.801
6.561
6.322
6.082
5.840
5.600
5.360
5.120

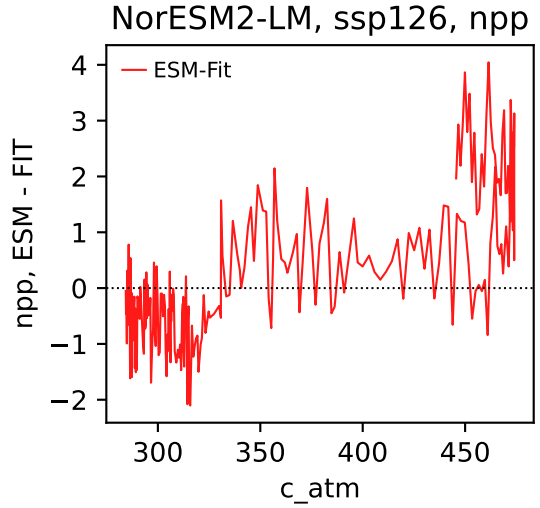

NorESM2-LM, ssp126, npp
ESM
Fit
npp
Year

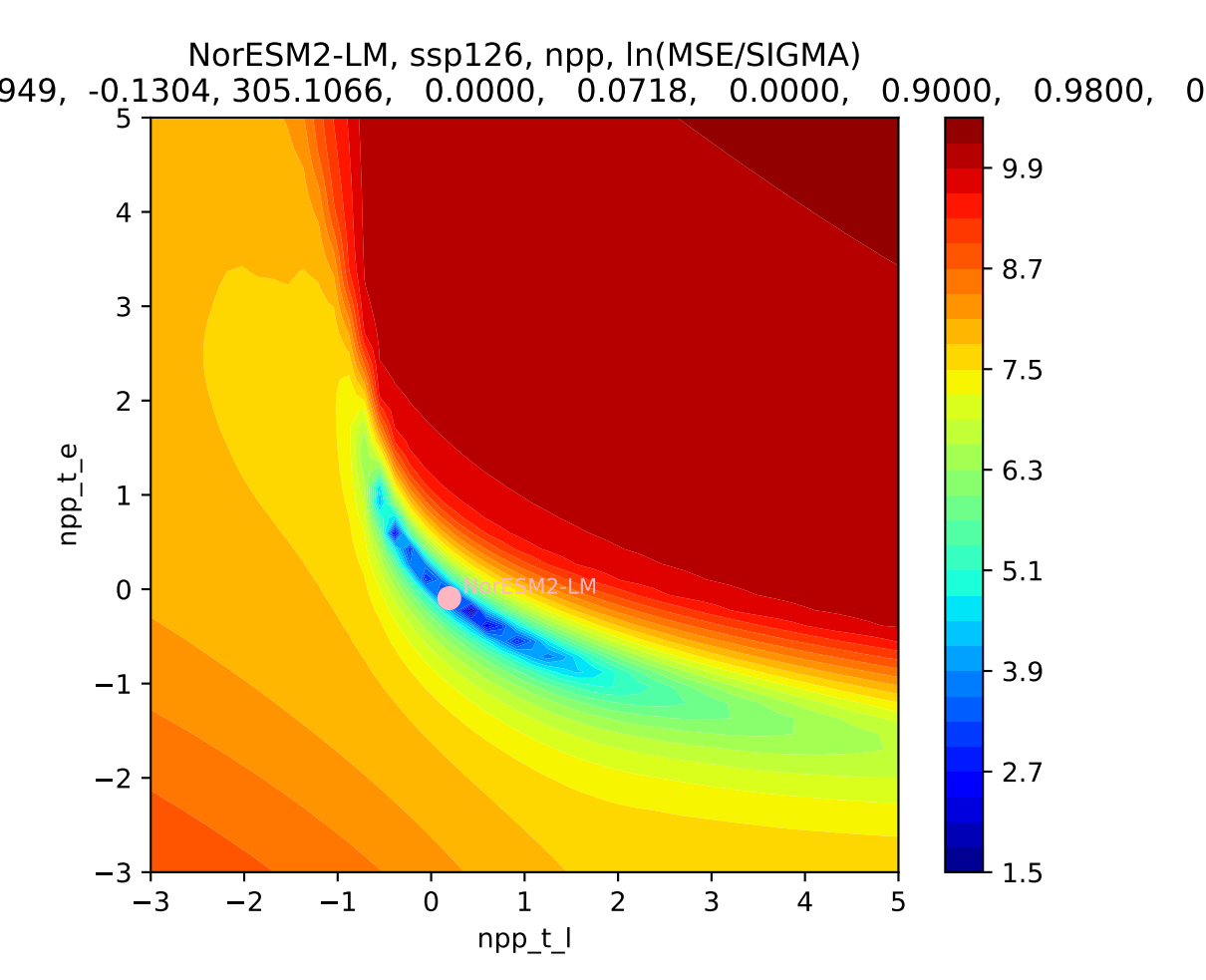

NorESM2-LM, ssp126, npp
ESM-Fit
npp, ESM - FIT
Year

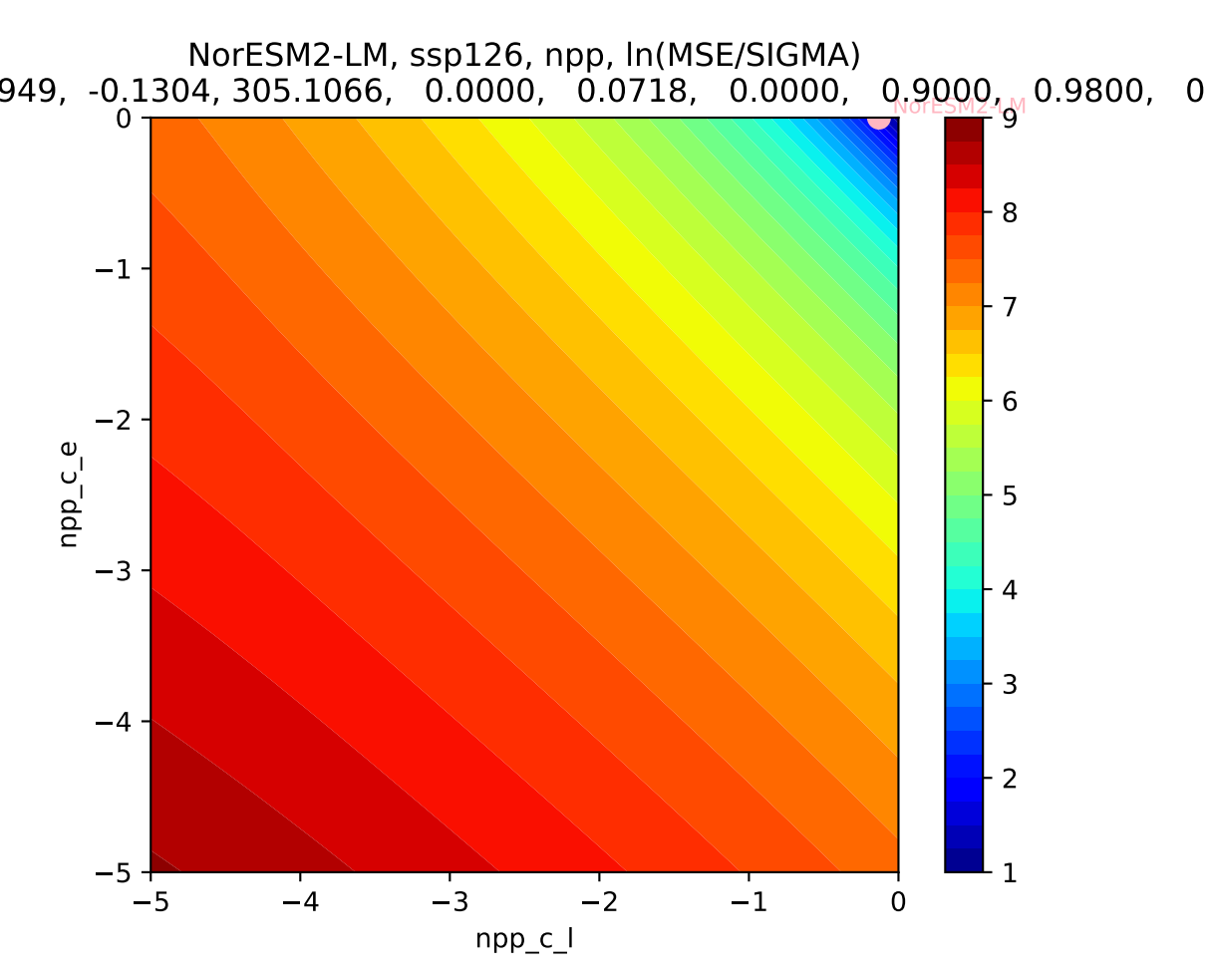

NorESM2-LM, ssp126, npp
ESM
Fit
npp
ΔT

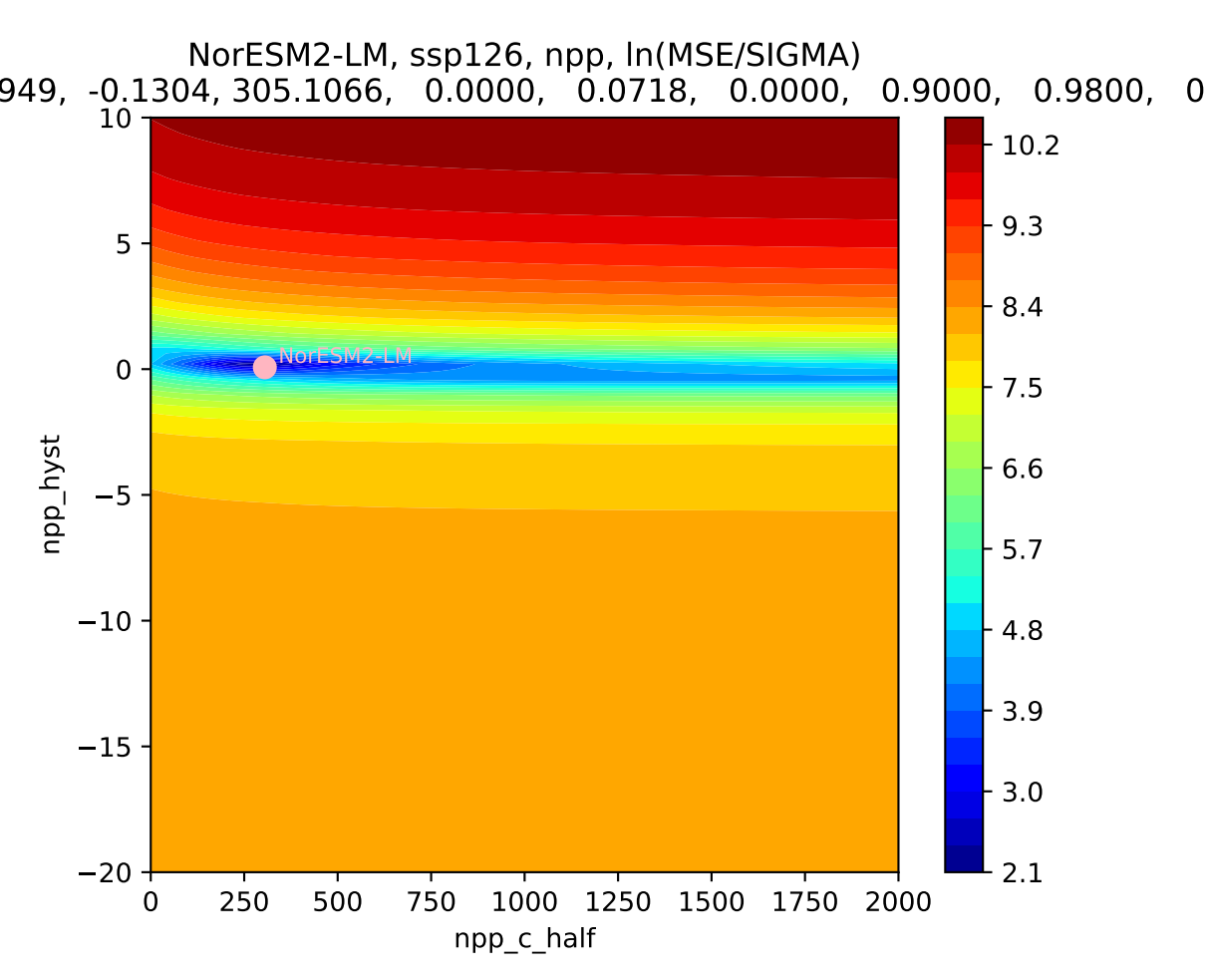

NorESM2-LM, ssp126, npp
ESM-Fit
npp, ESM - FIT
ΔT


NorESM2-LM, ssp126, npp
ESM
Fit
npp
c_atm


NorESM2-LM, ssp126, npp
ESM-Fit
npp, ESM - FIT
c_atm


NorESM2-LM, ssp126, npp, ln(MSE/SIGMA)
949, -0.1304, 305.1066, 0.0000, 0.0718, 0.0000, 0.9000, 0.9800, 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
9.9
8.7
7.5
6.3
5.1
3.9
2.7
1.5


NorESM2-LM, ssp126, npp, ln(MSE/SIGMA)
949, -0.1304, 305.1066, 0.0000, 0.0718, 0.0000, 0.9000, 0.9800, 0
NorESM2-LM
npp_c_e
npp_c_l
0
−1
−2
−3
−4
−5
1
2
3
4
5
6
7
8
9


NorESM2-LM, ssp126, npp, ln(MSE/SIGMA)
949, -0.1304, 305.1066, 0.0000, 0.0718, 0.0000, 0.9000, 0.9800, 0
NorESM2-LM
npp_hyst
npp_c_half
10
5
0
−5
−10
−15
−20
0
250
500
750
1000
1250
1500
1750
2000
10.2
9.3
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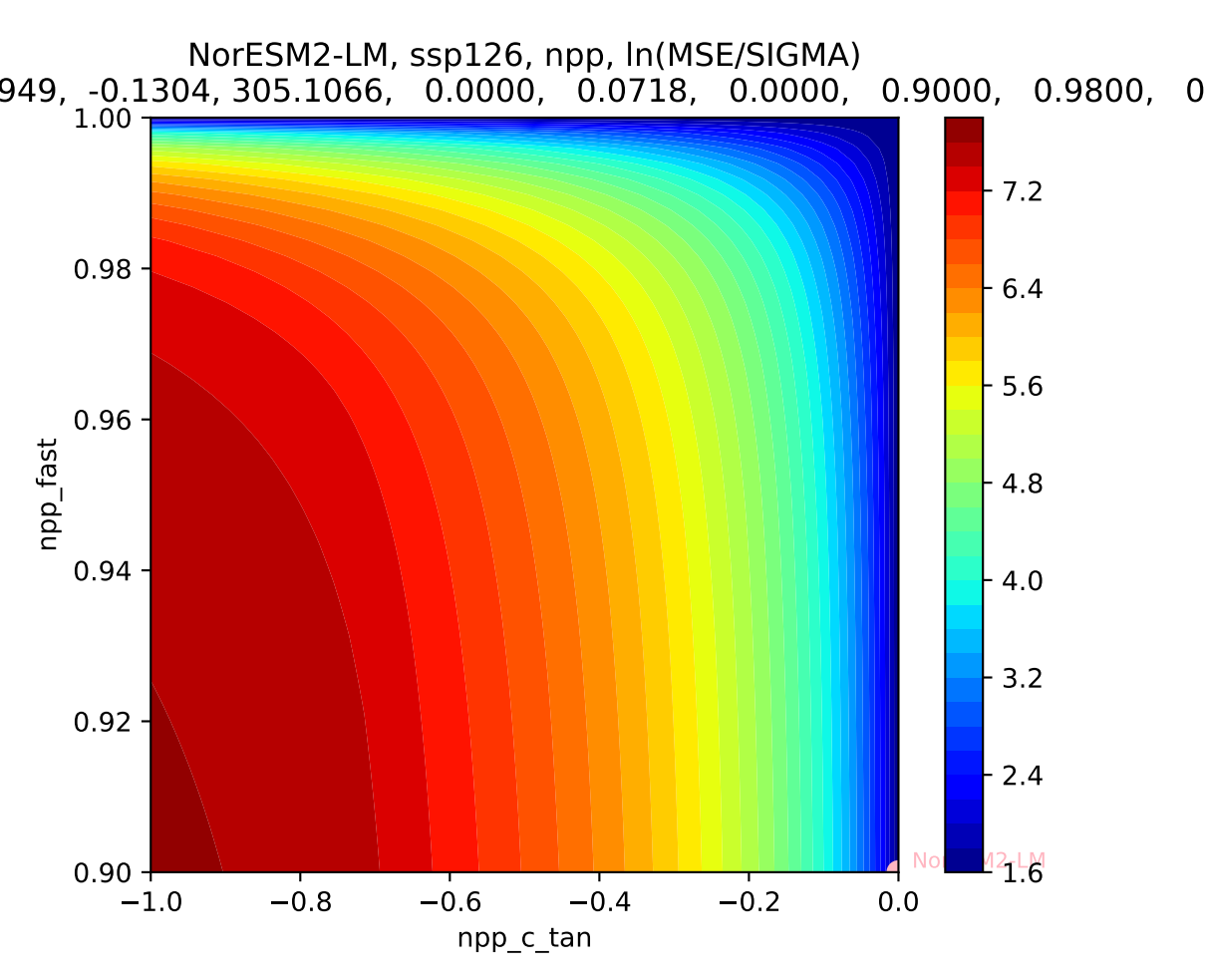
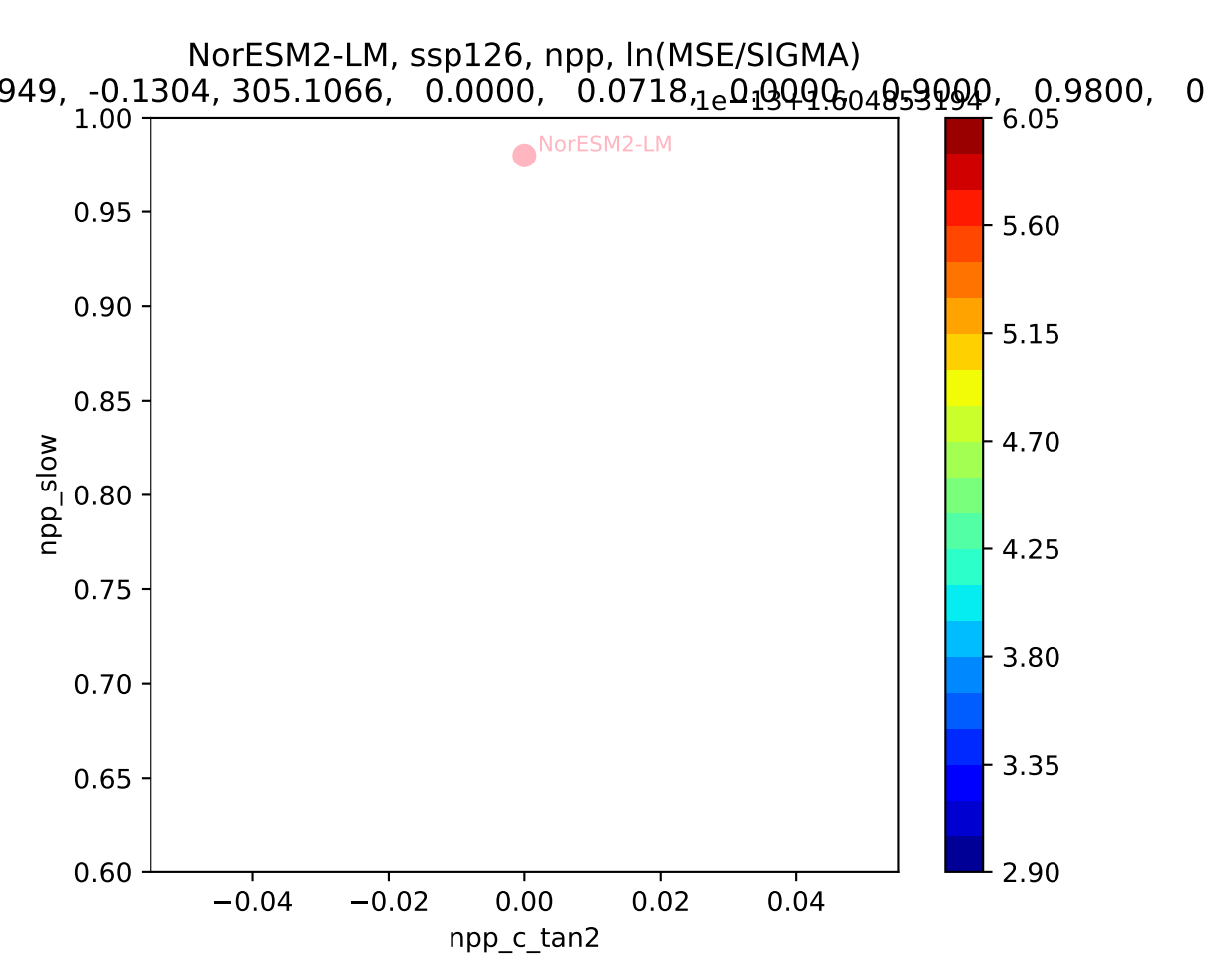
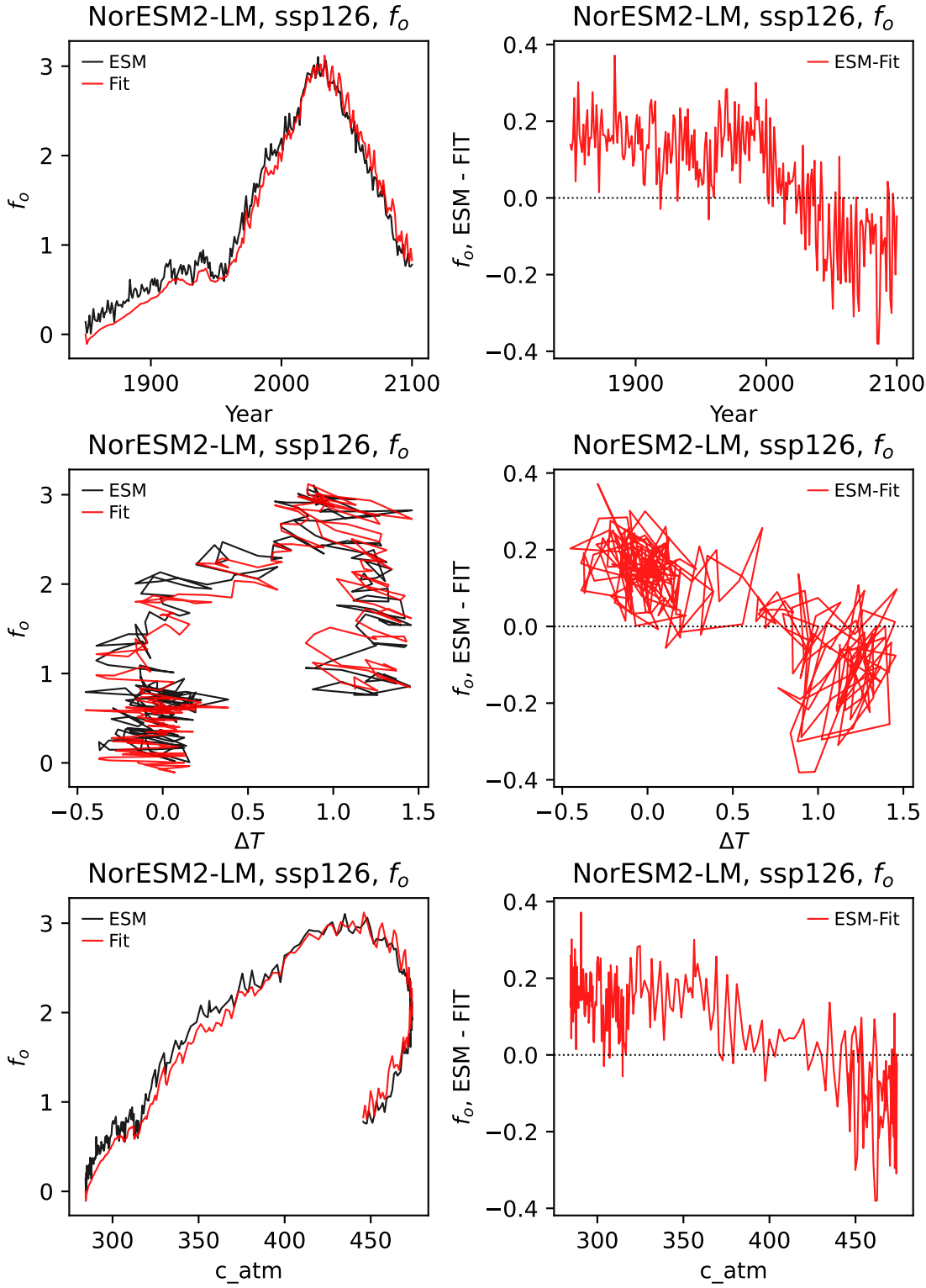
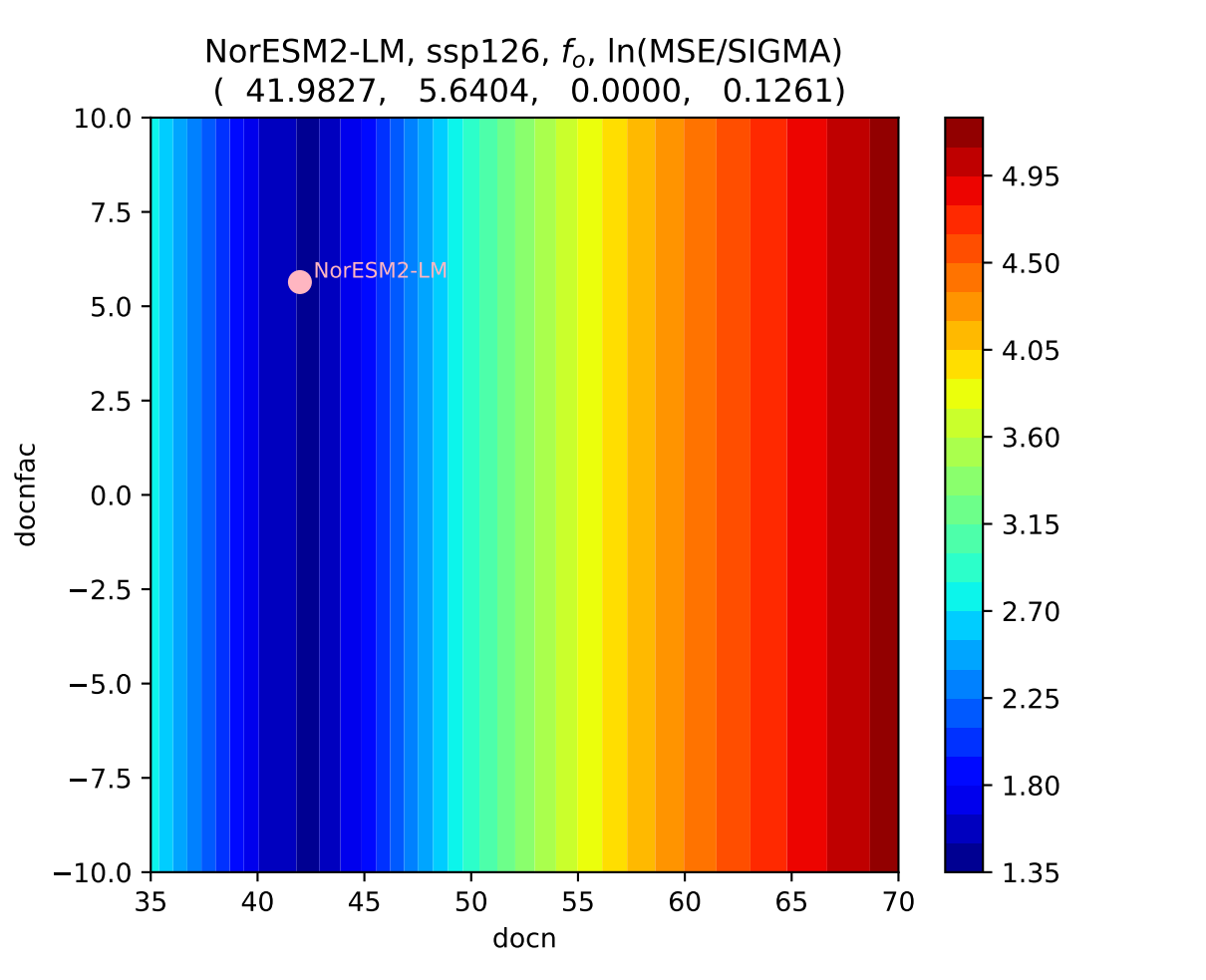
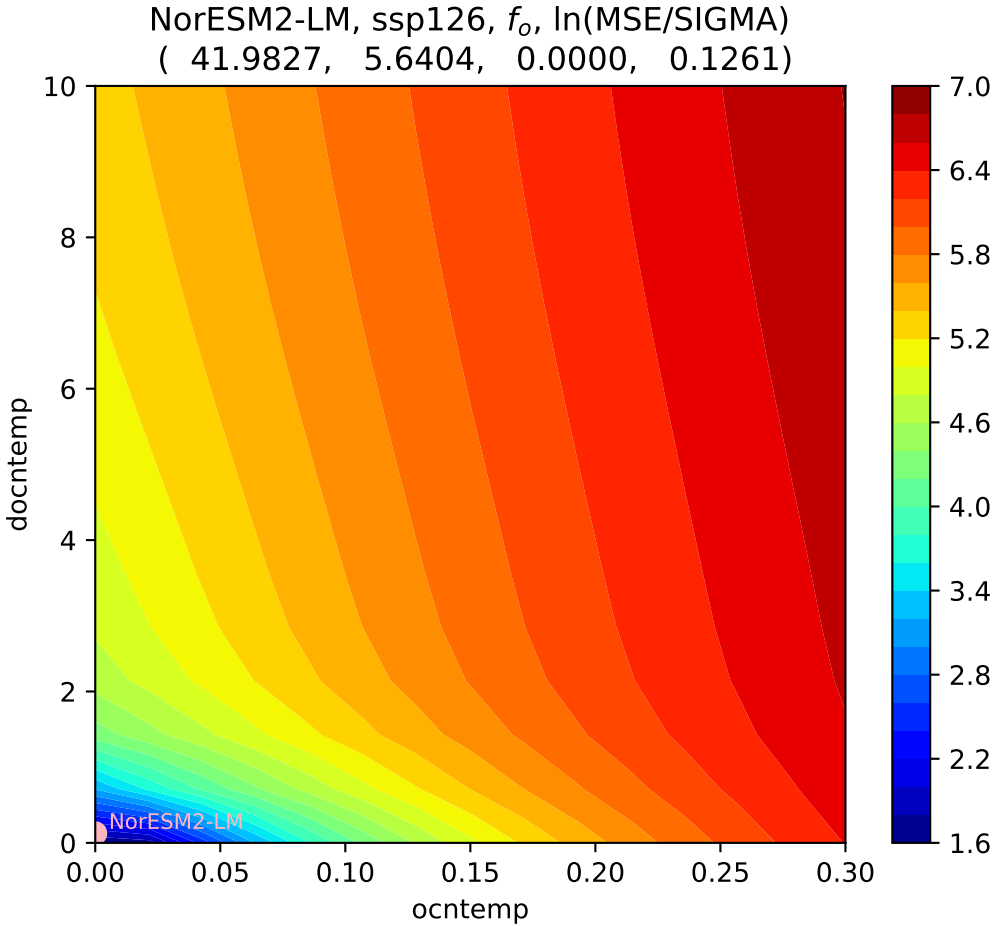
7.5
6.6
5.7
4.8
3.9
3.0
2.1


NorESM2-LM, ssp126, npp, ln(MSE/SIGMA)
949, -0.1304, 305.1066, 0.0000, 0.0718, 0.0000, 0.9000, 0.9800, 0
1.00
0.98
0.96
0.94
0.92
0.90
npp_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
npp_c_tan
7.2
6.4
5.6
4.8
4.0
3.2
2.4
1.6


NorESM2-LM, ssp126, npp, ln(MSE/SIGMA)
949, -0.1304, 305.1066, 0.0000, 0.0718, 0.0000, 0.9000, 0.9800, 0
1e-13+1.604853194
NorESM2-LM
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
−0.04
−0.02
0.00
0.02
0.04
npp_c_tan2
6.05
5.60
5.15
4.70
4.25
3.80
3.35
2.90


NorESM2-LM, ssp126, f_o
ESM
Fit
f_o
Year
NorESM2-LM, ssp126, f_o
ESM-Fit
f_o, ESM - FIT
Year
NorESM2-LM, ssp126, f_o
ESM
Fit
f_o
ΔT
NorESM2-LM, ssp126, f_o
ESM-Fit
f_o, ESM - FIT
ΔT
NorESM2-LM, ssp126, f_o
ESM
Fit
f_o
c_atm
NorESM2-LM, ssp126, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


NorESM2-LM, ssp126, f_o, ln(MSE/SIGMA)
(41.9827, 5.6404, 0.0000, 0.1261)
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
4.95
4.50
4.05
3.60
3.15
2.70
2.25
1.80
1.35


NorESM2-LM, ssp126, f_o, ln(MSE/SIGMA)
(41.9827, 5.6404, 0.0000, 0.1261)
docntemp
ocntemp
NorESM2-LM
0
2
4
6
8
10
0.00
0.05
0.10
0.15
0.20
0.25
0.30
7.0
6.4
5.8
5.2
4.6
4.0
3.4
2.8
2.2
1.6