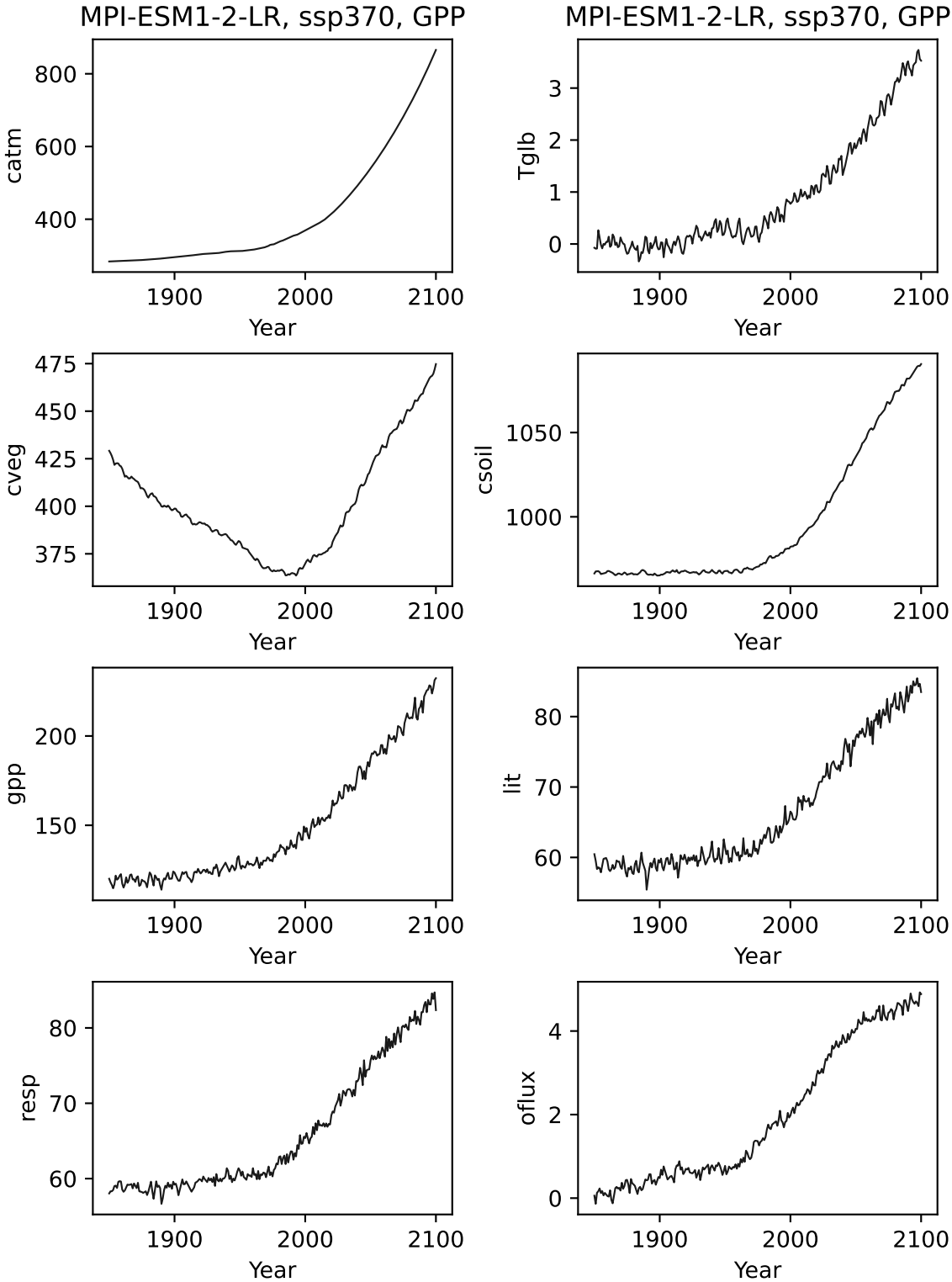
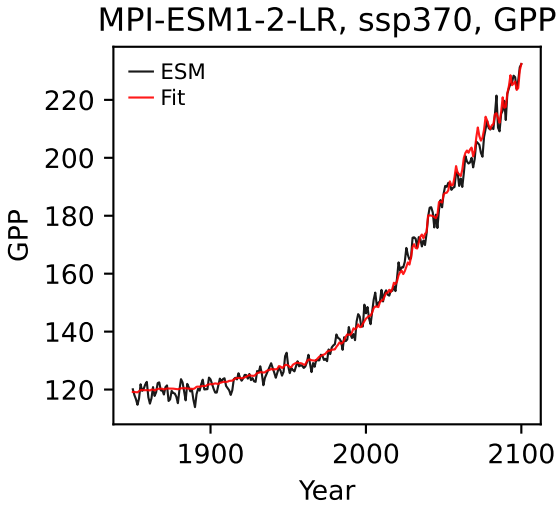
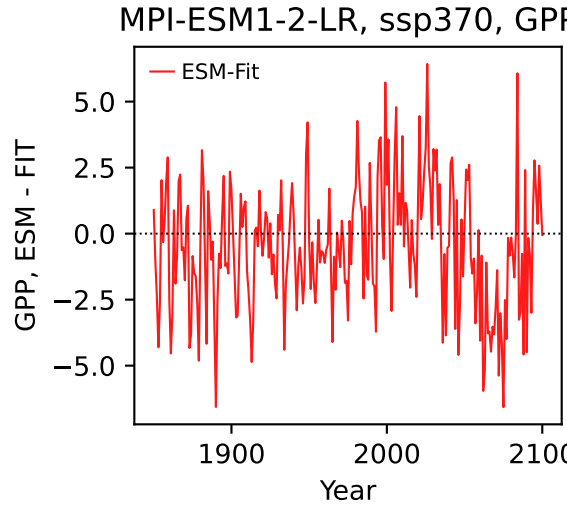
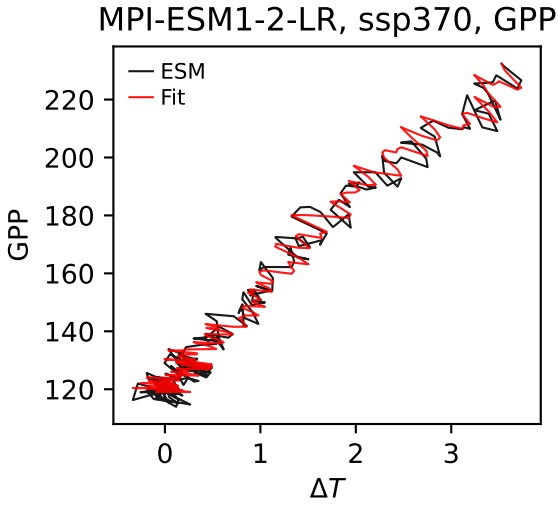
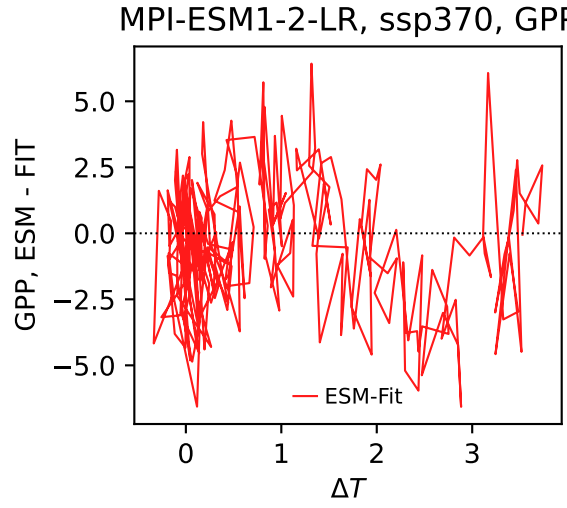
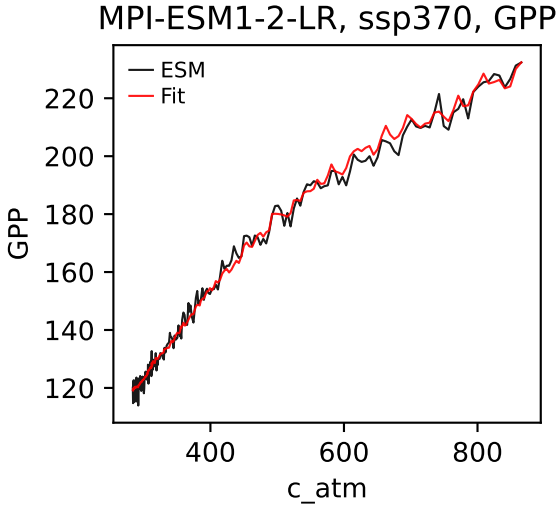

MPI-ESM1-2-LR, ssp370, GPP
catm
Year
MPI-ESM1-2-LR, ssp370, GPP
Tglb
Year
cveg
Year
csoil
Year
gpp
Year
lit
Year
resp
Year
oflux
Year

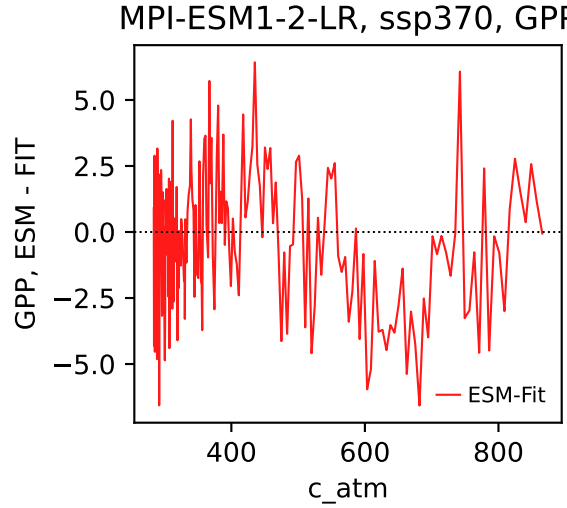

MPI-ESM1-2-LR, ssp370, GPP
ESM
Fit
GPP
Year

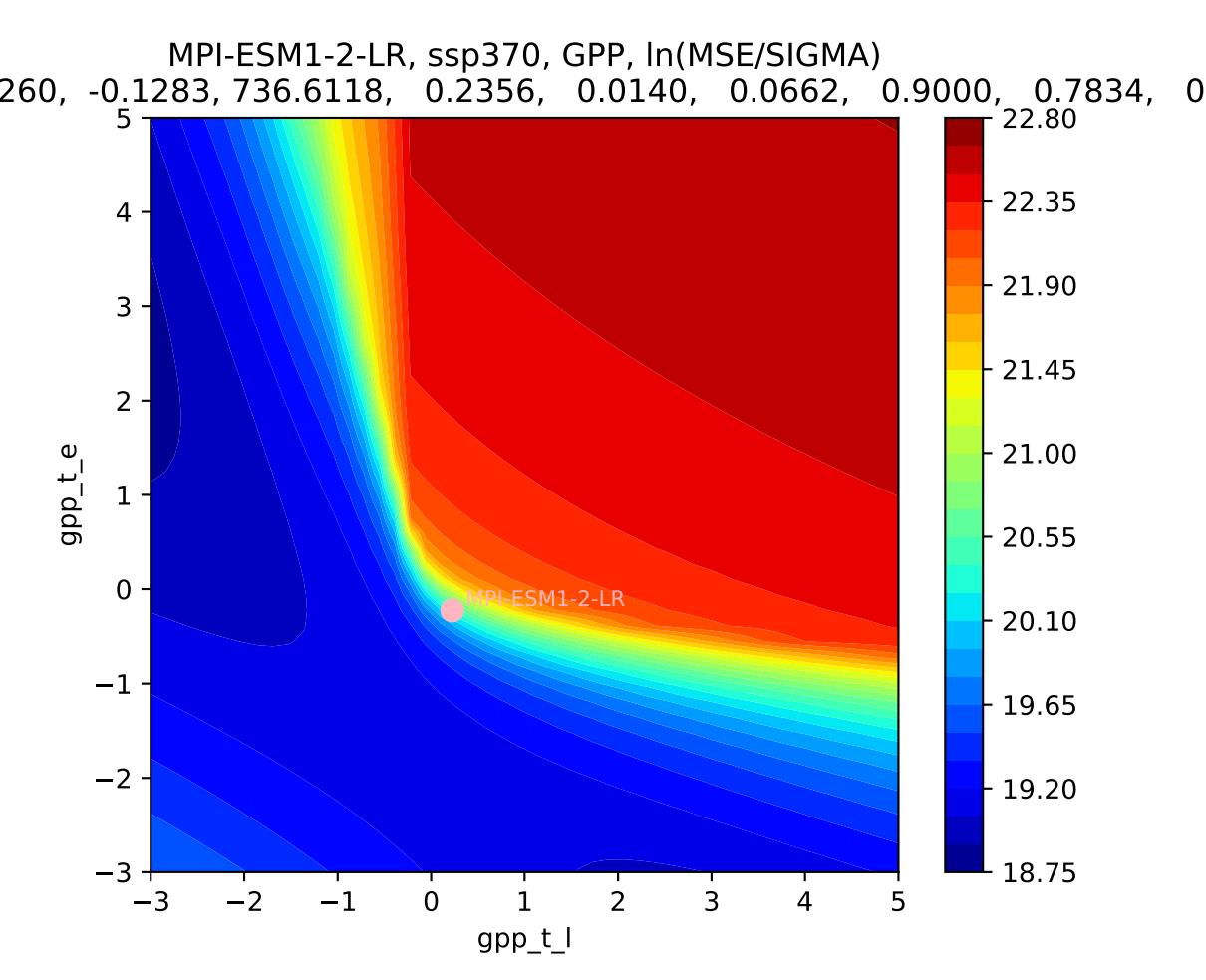

MPI-ESM1-2-LR, ssp370, GPP
ESM-Fit
GPP, ESM - FIT
Year

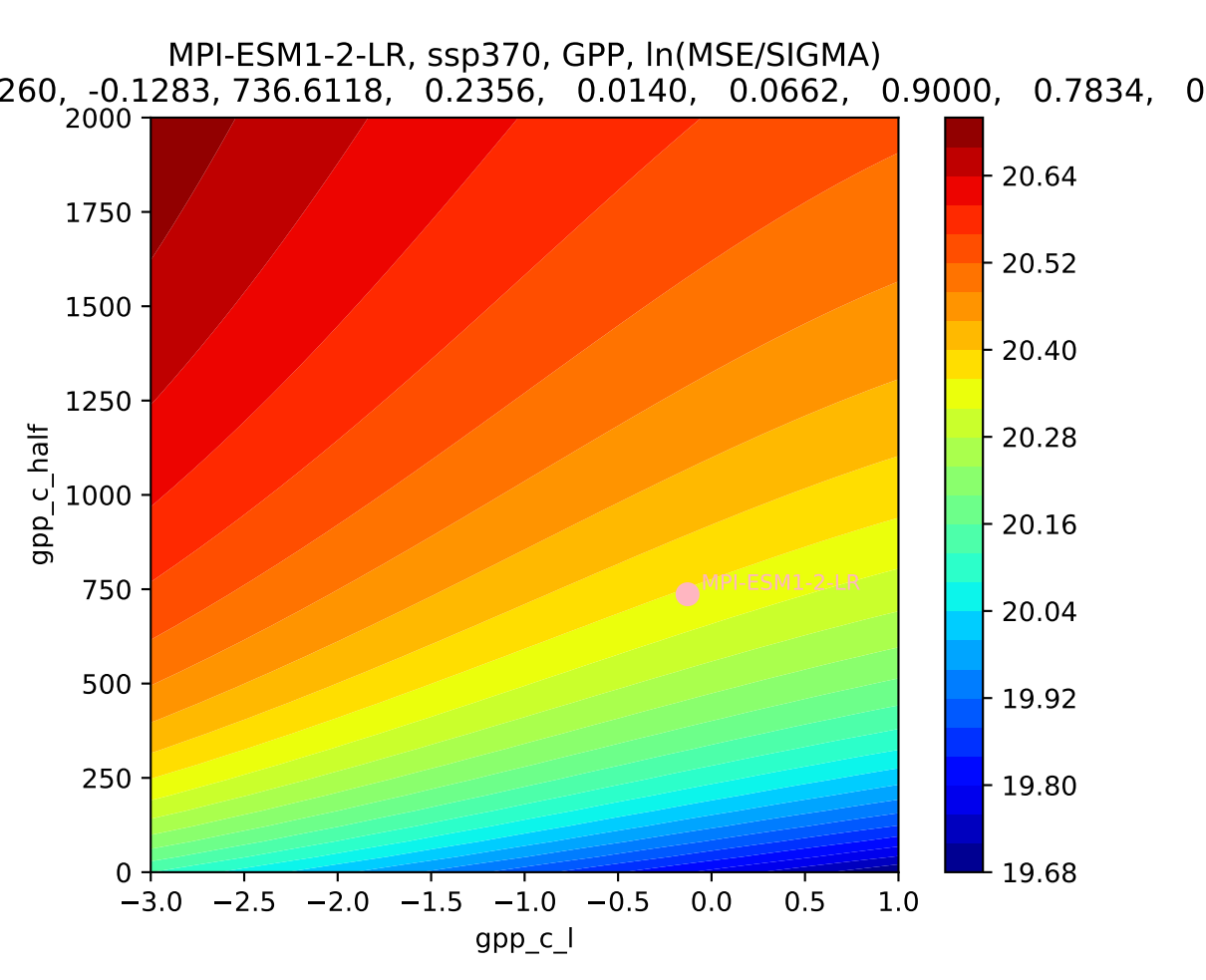

MPI-ESM1-2-LR, ssp370, GPP
ESM
Fit
GPP
ΔT

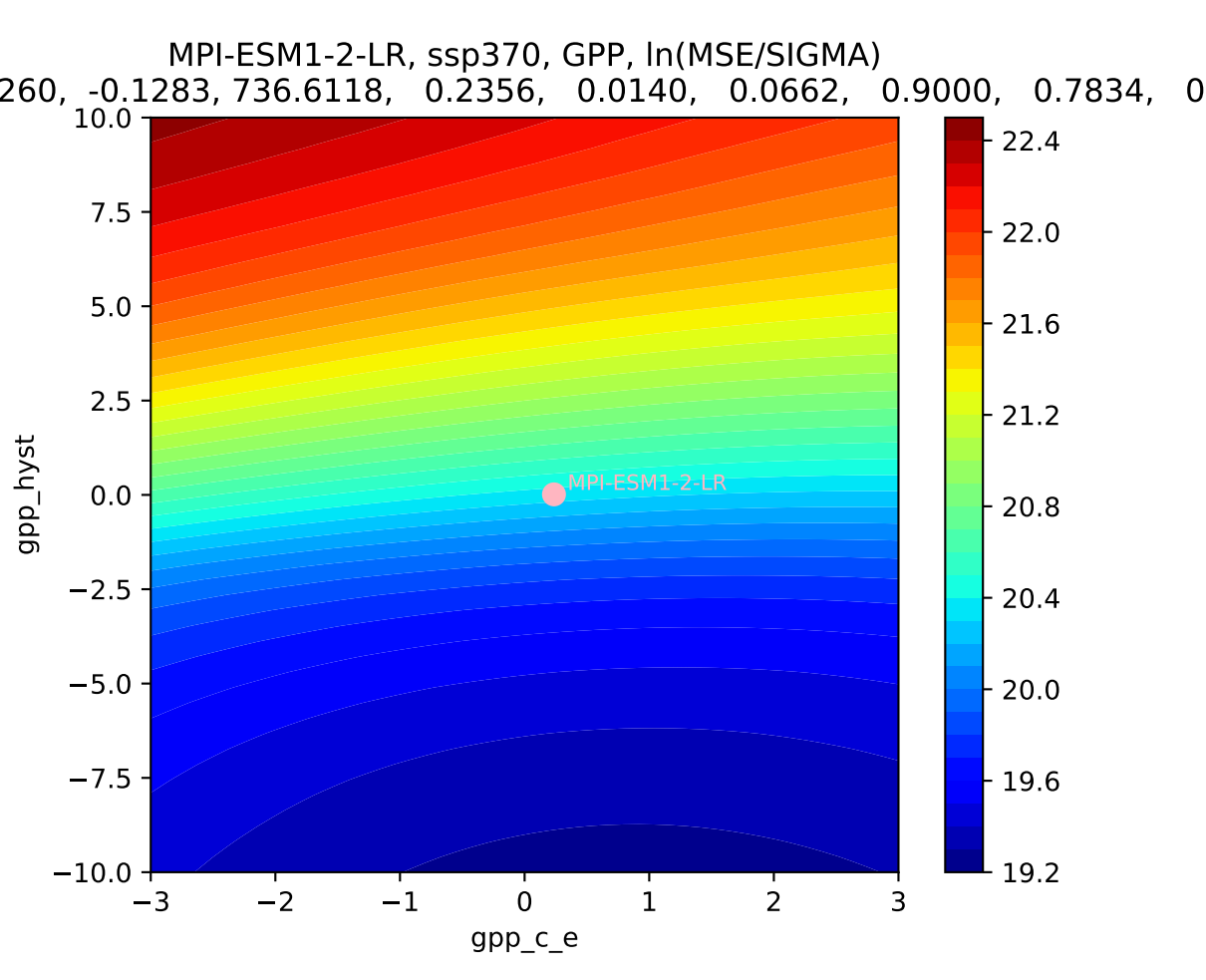

MPI-ESM1-2-LR, ssp370, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

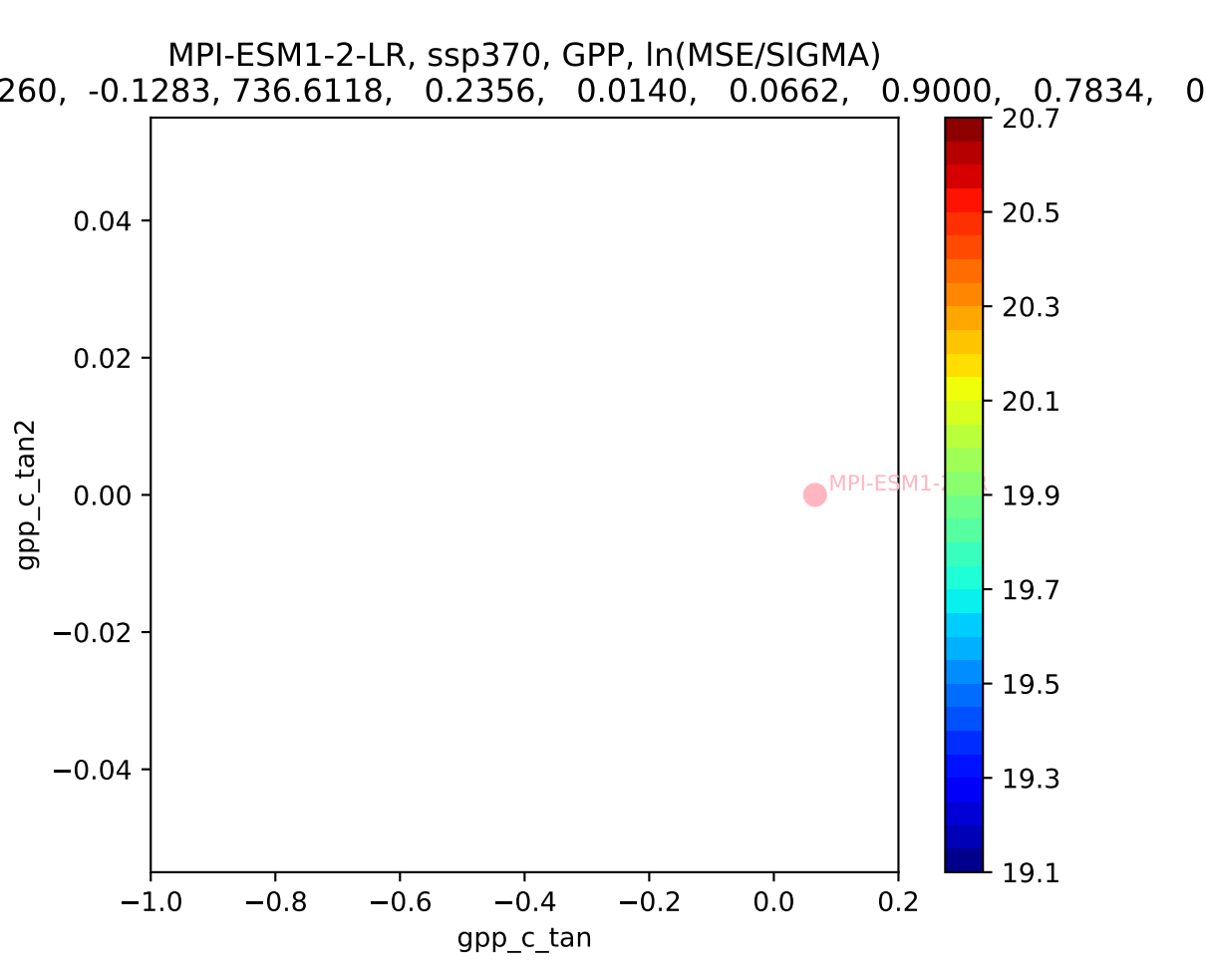

MPI-ESM1-2-LR, ssp370, GPP
ESM
Fit
GPP
c_atm

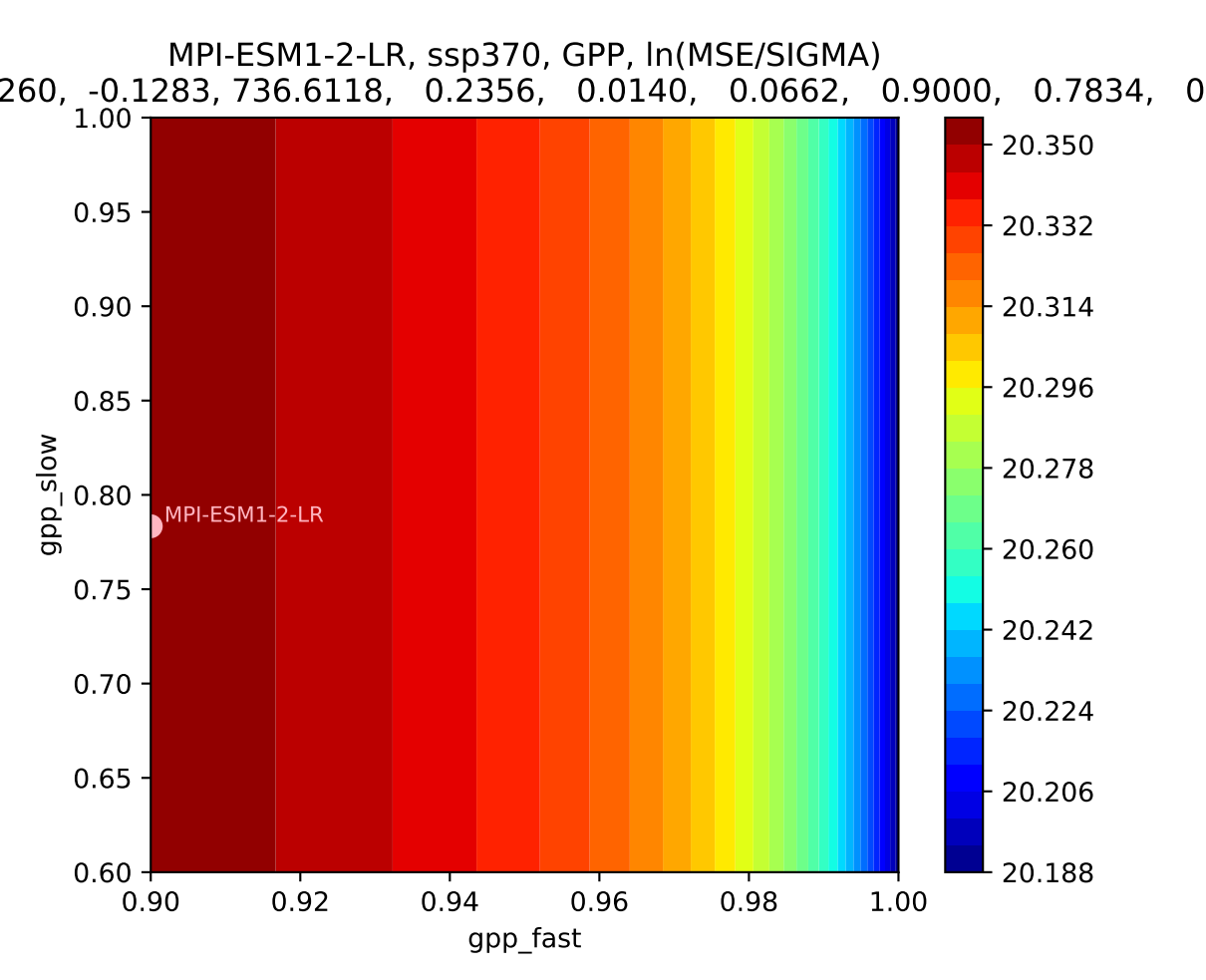

MPI-ESM1-2-LR, ssp370, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

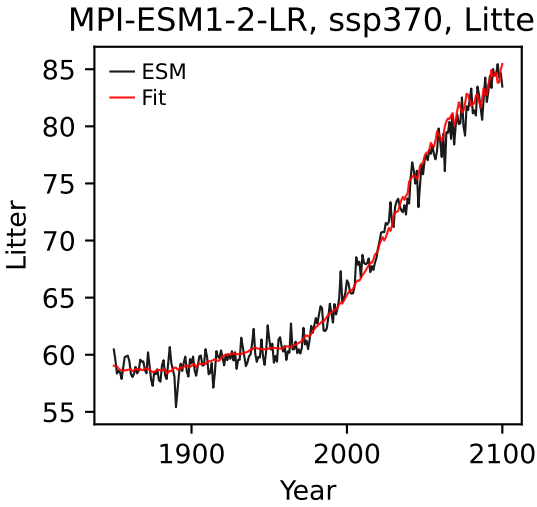

MPI-ESM1-2-LR, ssp370, GPP, ln(MSE/SIGMA)
260, -0.1283, 736.6118, 0.2356, 0.0140, 0.0662, 0.9000, 0.7834, 0
MPI-ESM1-2-LR
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
22.80
22.35
21.90
21.45
21.00
20.55
20.10
19.65
19.20
18.75

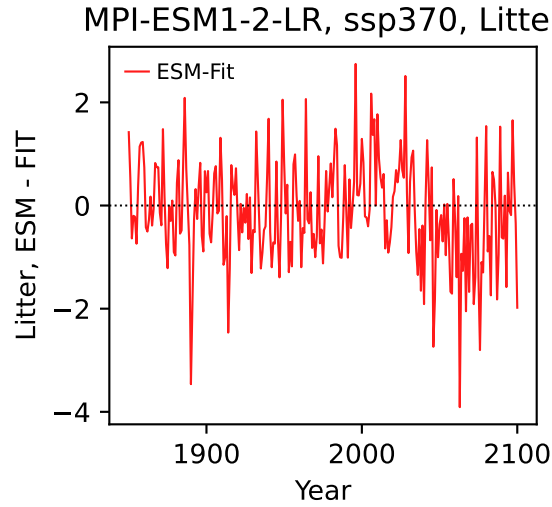

MPI-ESM1-2-LR, ssp370, GPP, ln(MSE/SIGMA)
260, -0.1283, 736.6118, 0.2356, 0.0140, 0.0662, 0.9000, 0.7834, 0
2000
1750
1500
1250
1000
750
500
250
0
gpp_c_half
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
gpp_c_l
MPI-ESM1-2-LR
20.64
20.52
20.40
20.28
20.16
20.04
19.92
19.80
19.68

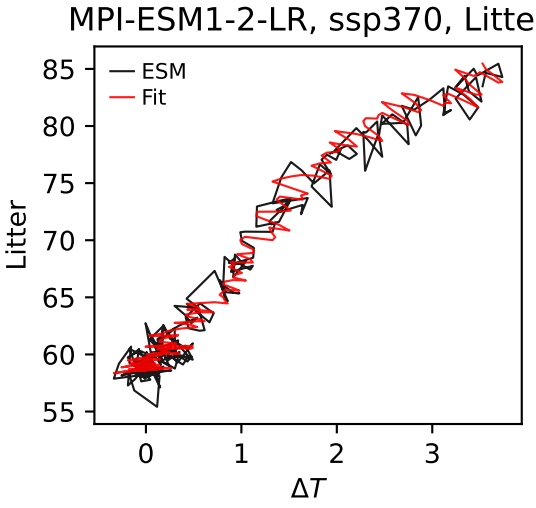

MPI-ESM1-2-LR, ssp370, GPP, ln(MSE/SIGMA)
260, -0.1283, 736.6118, 0.2356, 0.0140, 0.0662, 0.9000, 0.7834, 0
MPI-ESM1-2-LR
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.4
22.0
21.6
21.2
20.8
20.4
20.0
19.6
19.2

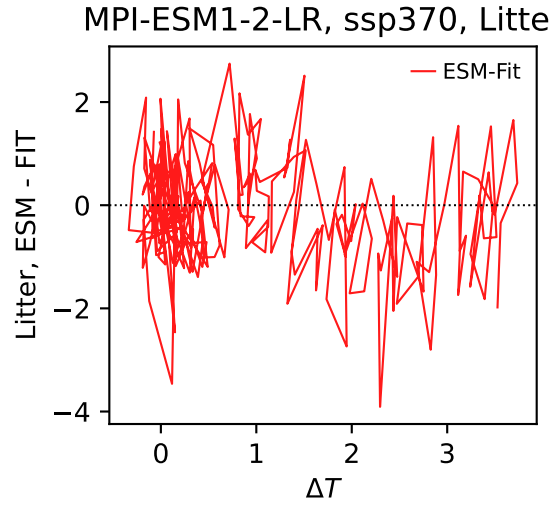

MPI-ESM1-2-LR, ssp370, GPP, ln(MSE/SIGMA)
260, -0.1283, 736.6118, 0.2356, 0.0140, 0.0662, 0.9000, 0.7834, 0
gpp_c_tan2
gpp_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
20.7
20.5
20.3
20.1
19.9
19.7
19.5
19.3
19.1

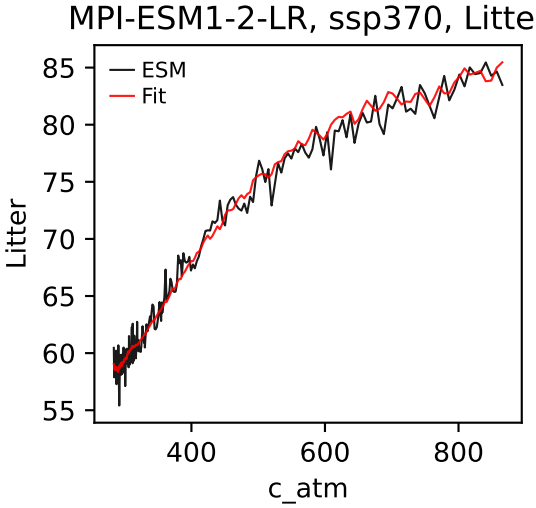

MPI-ESM1-2-LR, ssp370, GPP, ln(MSE/SIGMA)
260, -0.1283, 736.6118, 0.2356, 0.0140, 0.0662, 0.9000, 0.7834, 0
MPI-ESM1-2-LR
gpp_slow
gpp_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
20.350
20.332
20.314
20.296
20.278
20.260
20.242
20.224
20.206
20.188

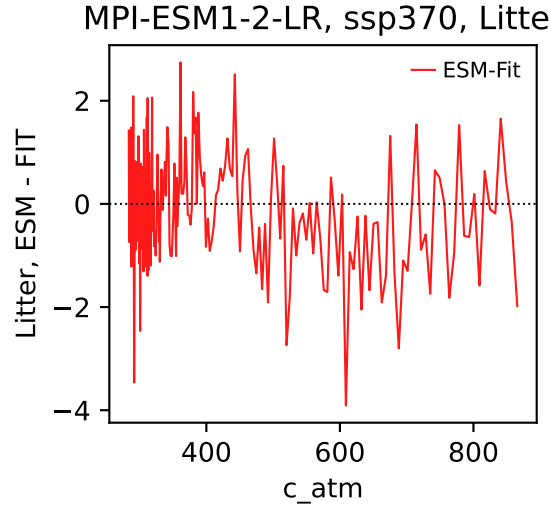

MPI-ESM1-2-LR, ssp370, Litter
ESM
Fit
Litter
Year

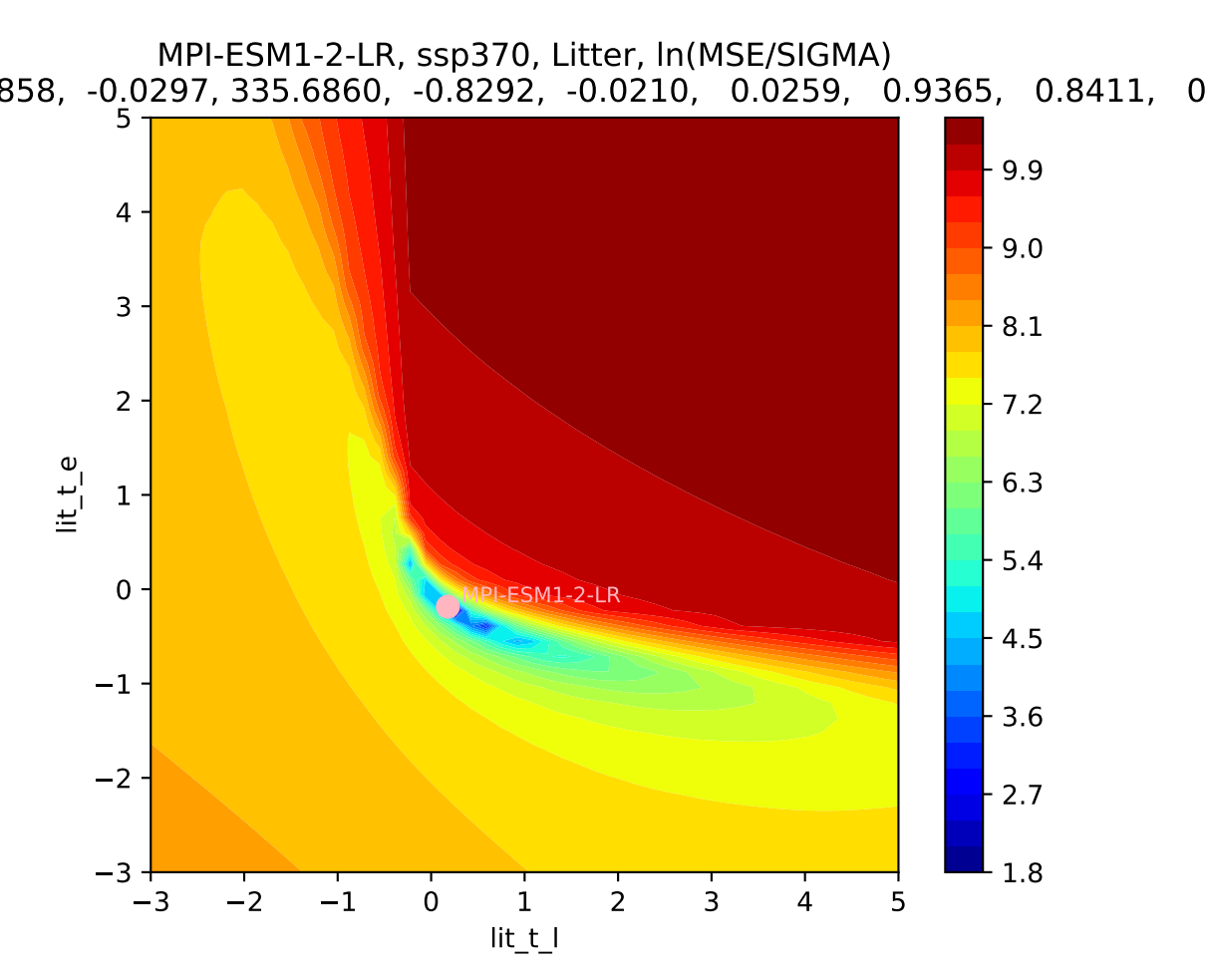

MPI-ESM1-2-LR, ssp370, Litter
ESM-Fit
Litter, ESM - FIT
Year

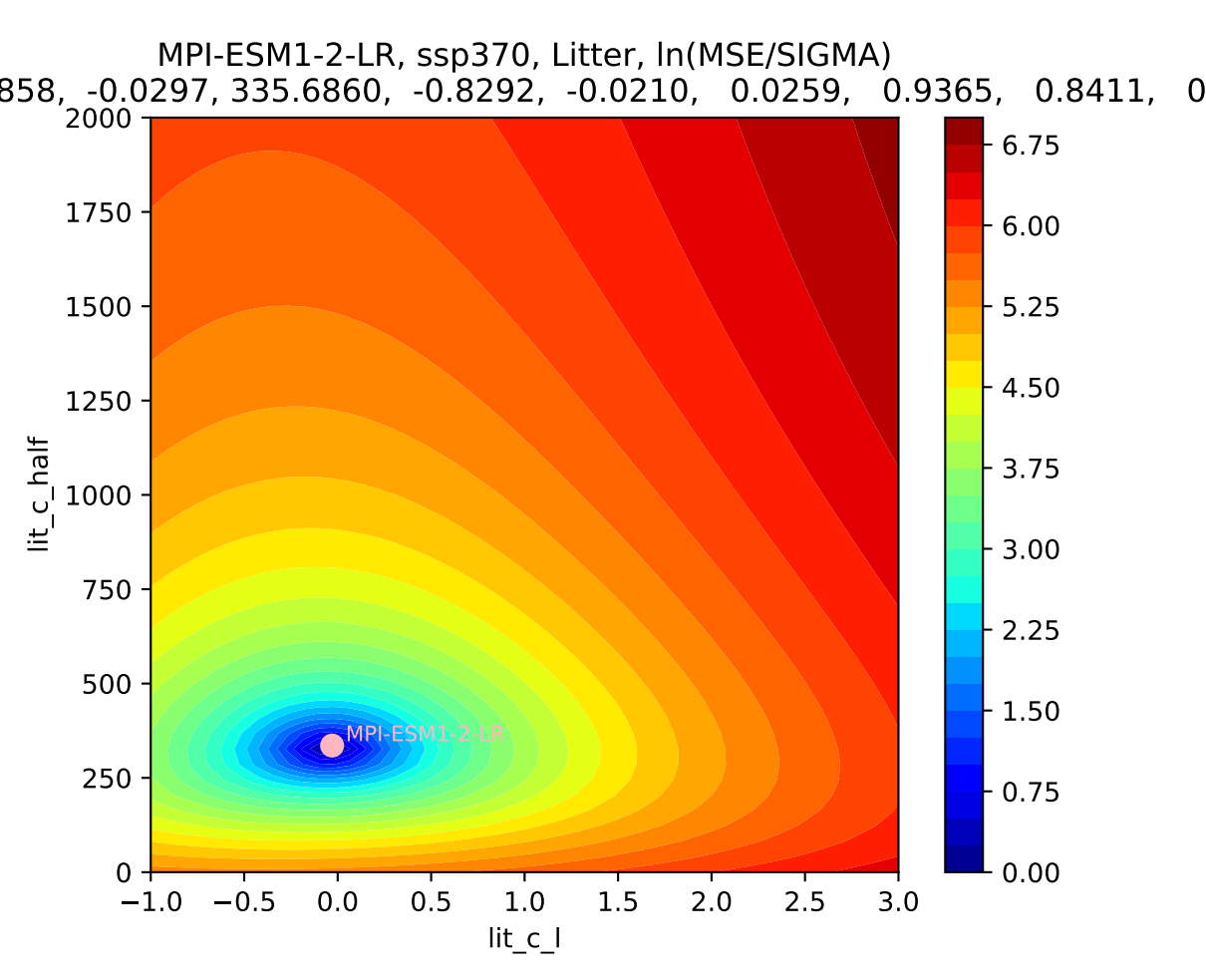

MPI-ESM1-2-LR, ssp370, Litter
ESM
Fit
Litter
ΔT

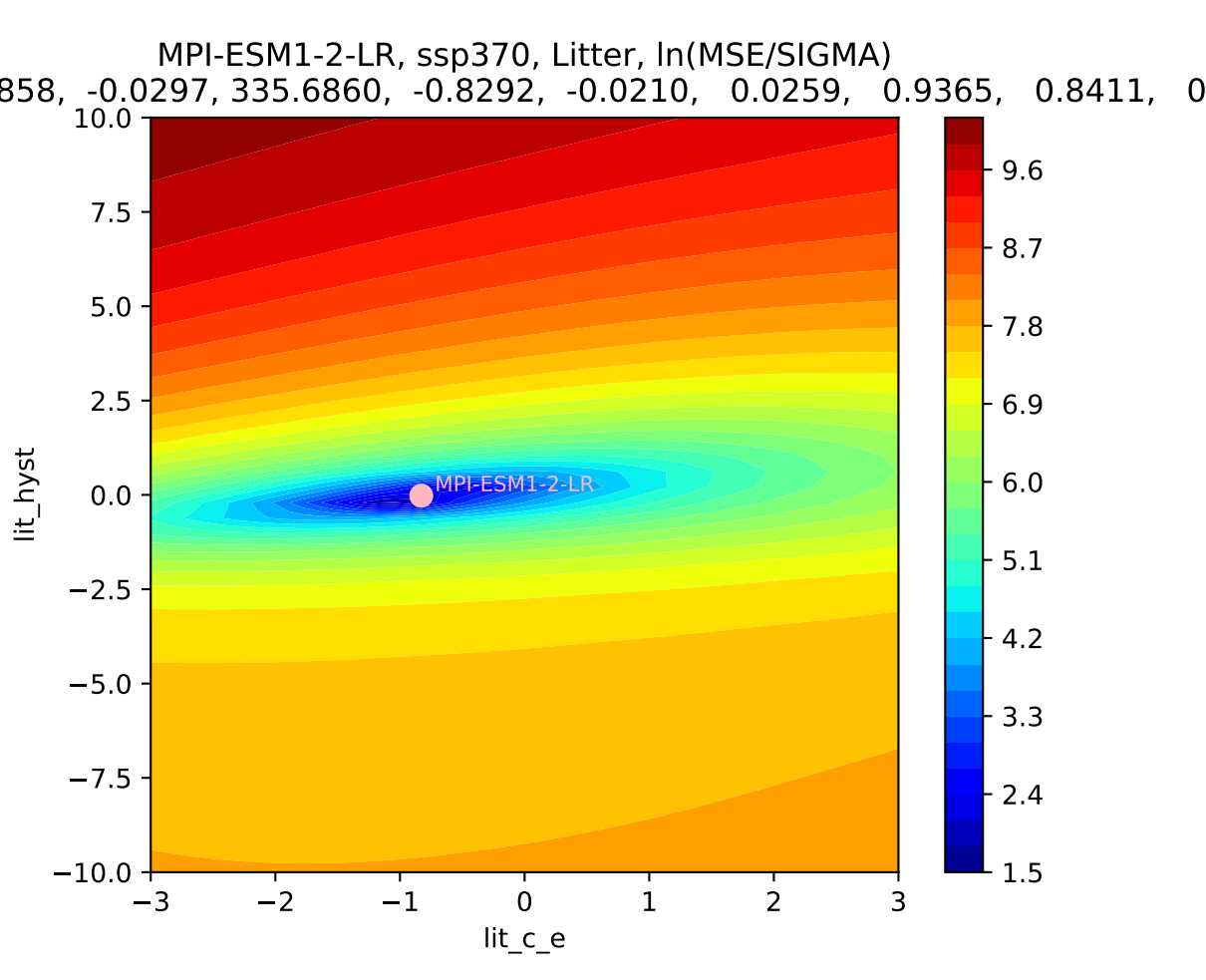

MPI-ESM1-2-LR, ssp370, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

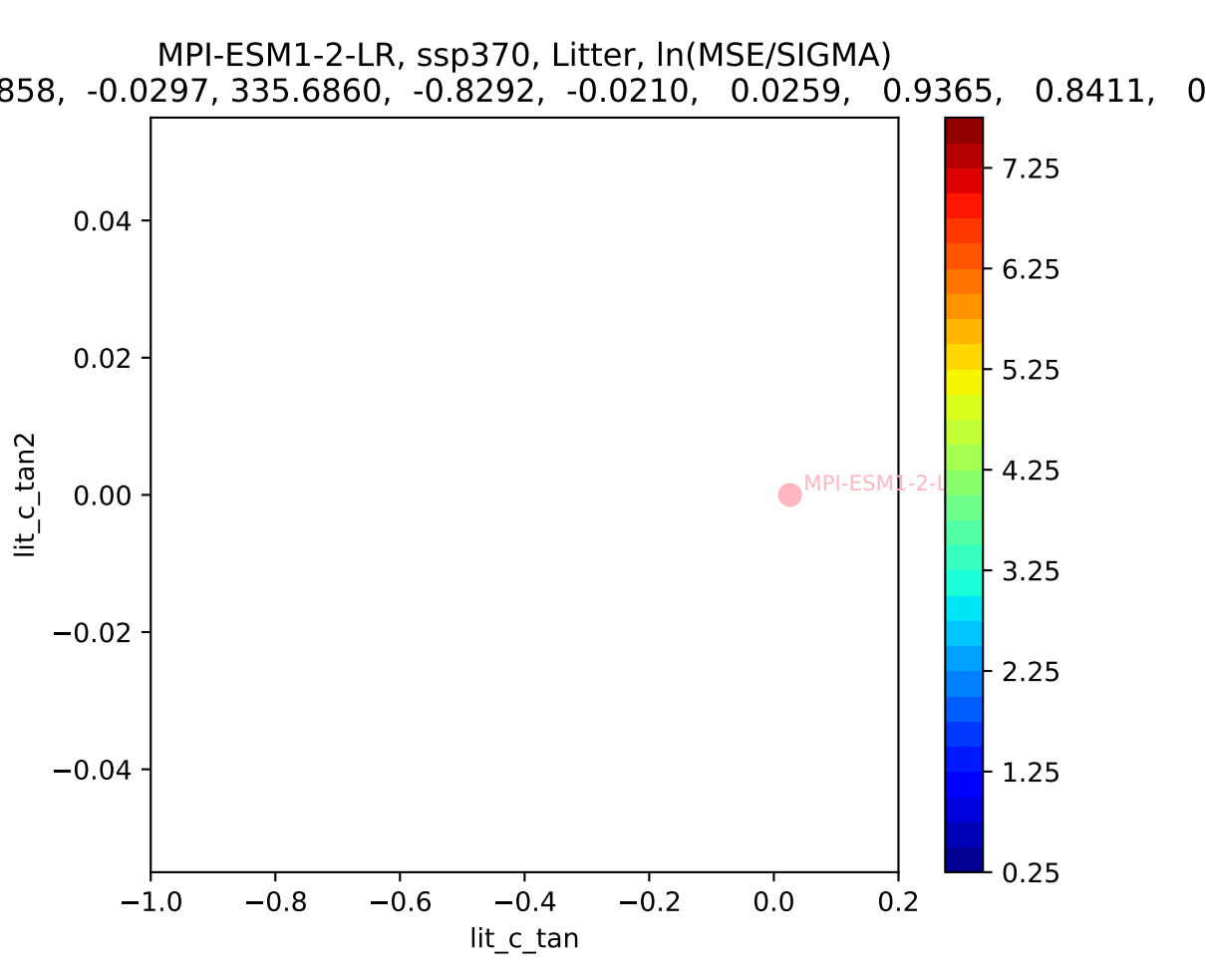

MPI-ESM1-2-LR, ssp370, Litter
ESM
Fit
Litter
c_atm

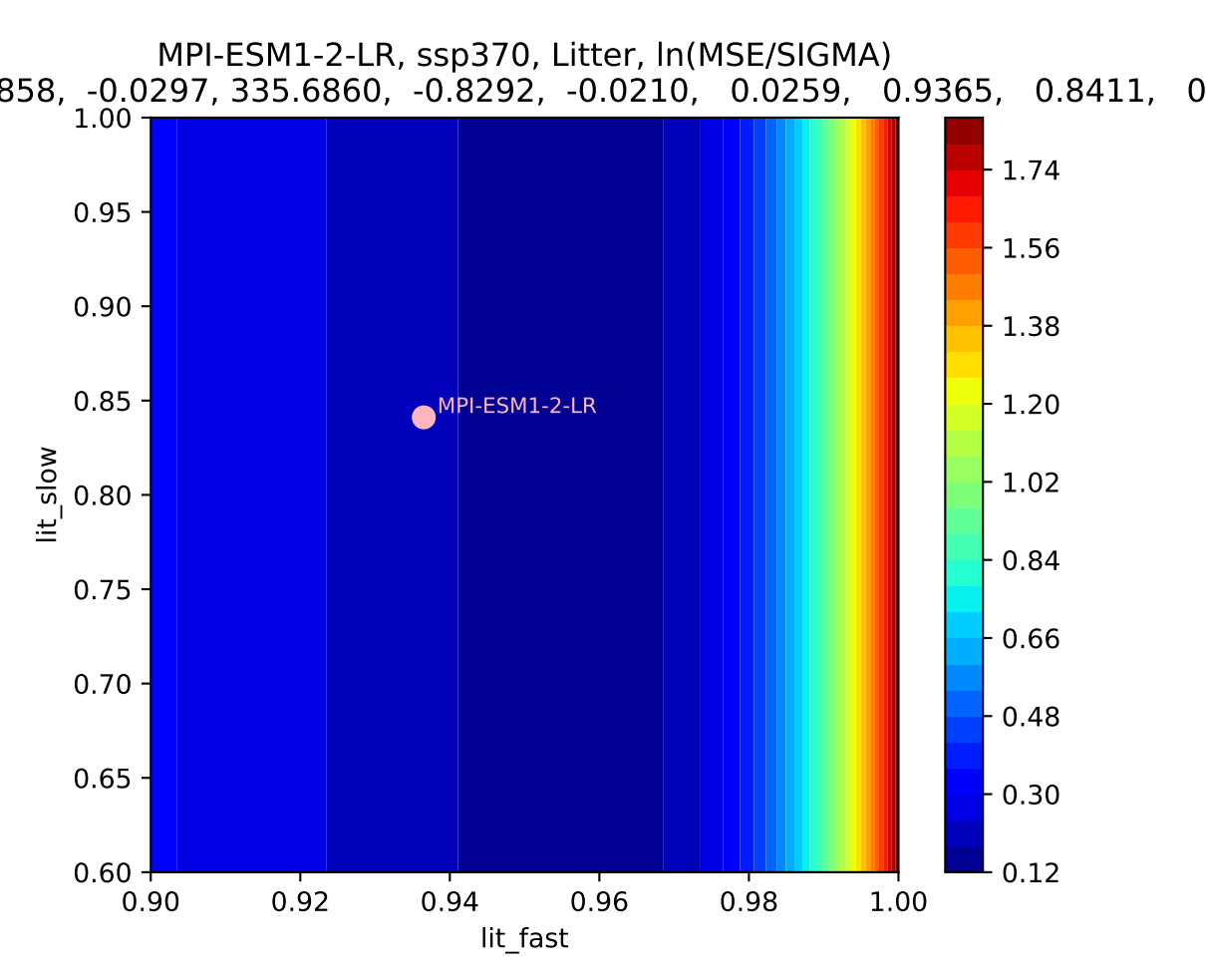

MPI-ESM1-2-LR, ssp370, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

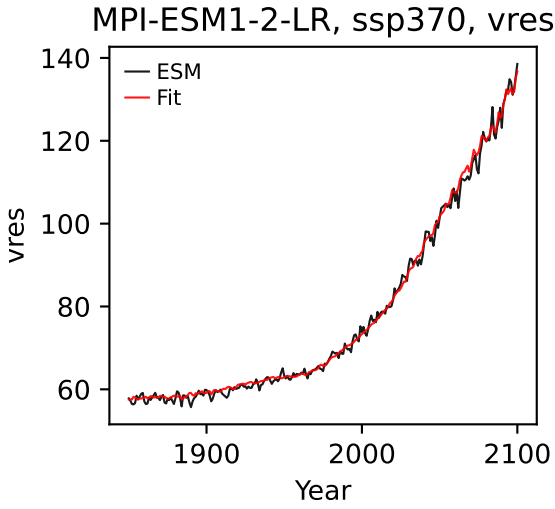

MPI-ESM1-2-LR, ssp370, Litter, ln(MSE/SIGMA)
858, -0.0297, 335.6860, -0.8292, -0.0210, 0.0259, 0.9365, 0.8411, 0
MPI-ESM1-2-LR
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
9.9
9.0
8.1
7.2
6.3
5.4
4.5
3.6
2.7
1.8

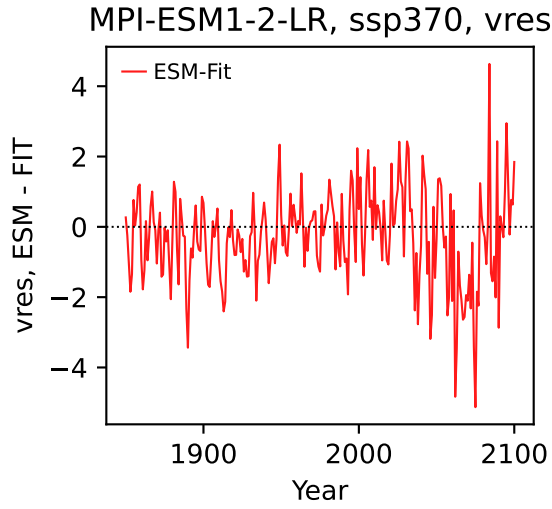

MPI-ESM1-2-LR, ssp370, Litter, ln(MSE/SIGMA)
858, -0.0297, 335.6860, -0.8292, -0.0210, 0.0259, 0.9365, 0.8411, 0
lit_c_half
lit_c_l
MPI-ESM1-2-LR
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75
0.00

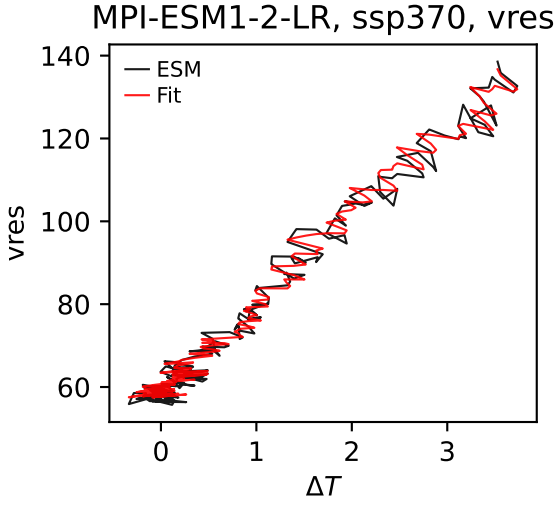

MPI-ESM1-2-LR, ssp370, Litter, ln(MSE/SIGMA)
858, -0.0297, 335.6860, -0.8292, -0.0210, 0.0259, 0.9365, 0.8411, 0
MPI-ESM1-2-LR
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
9.6
8.7
7.8
6.9
6.0
5.1
4.2
3.3
2.4
1.5

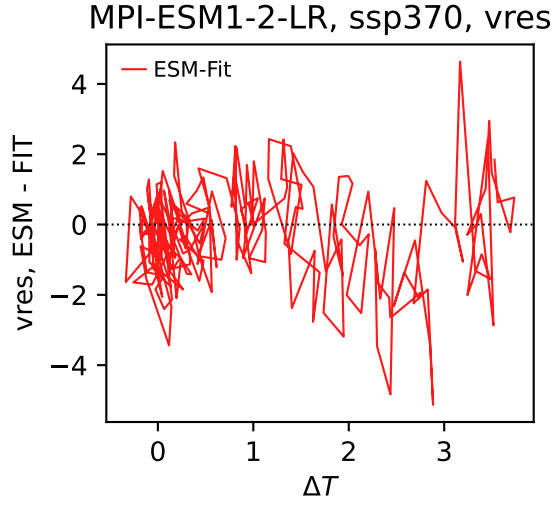

MPI-ESM1-2-LR, ssp370, Litter, ln(MSE/SIGMA)
858, -0.0297, 335.6860, -0.8292, -0.0210, 0.0259, 0.9365, 0.8411, 0
lit_c_tan2
lit_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
7.25
6.25
5.25
4.25
3.25
2.25
1.25
0.25

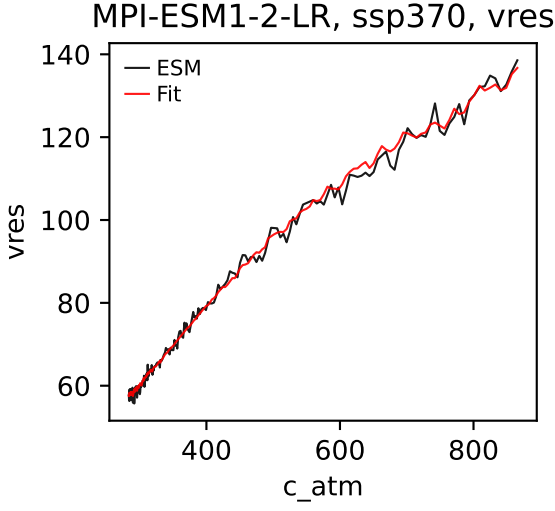

MPI-ESM1-2-LR, ssp370, Litter, ln(MSE/SIGMA)
858, -0.0297, 335.6860, -0.8292, -0.0210, 0.0259, 0.9365, 0.8411, 0
MPI-ESM1-2-LR
lit_slow
lit_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
1.74
1.56
1.38
1.20
1.02
0.84
0.66
0.48
0.30
0.12

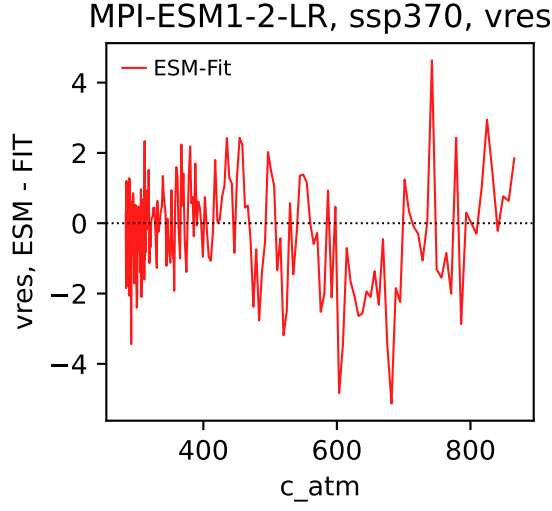

MPI-ESM1-2-LR, ssp370, vres
ESM
Fit
vres
Year

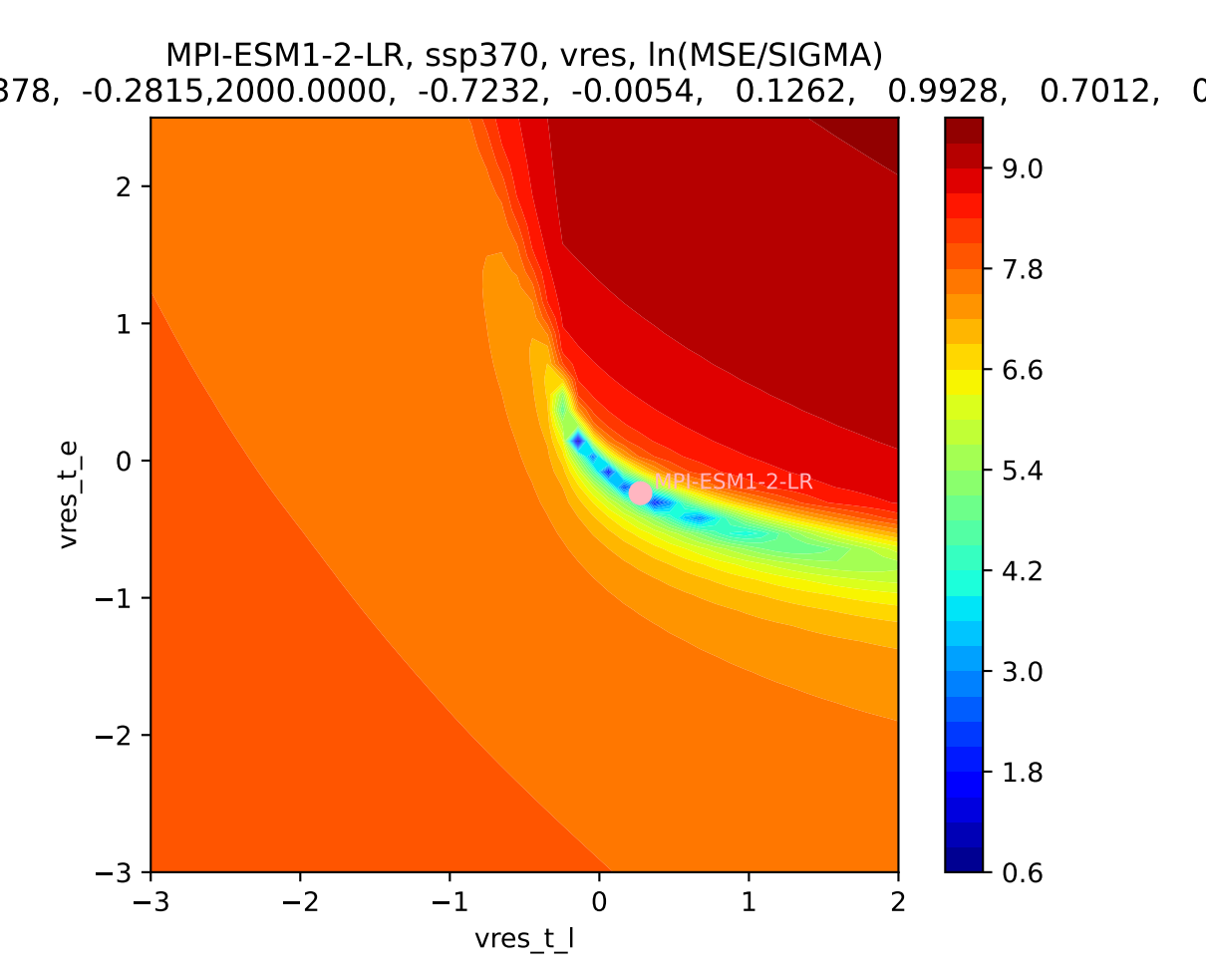

MPI-ESM1-2-LR, ssp370, vres
ESM-Fit
vres, ESM - FIT
Year

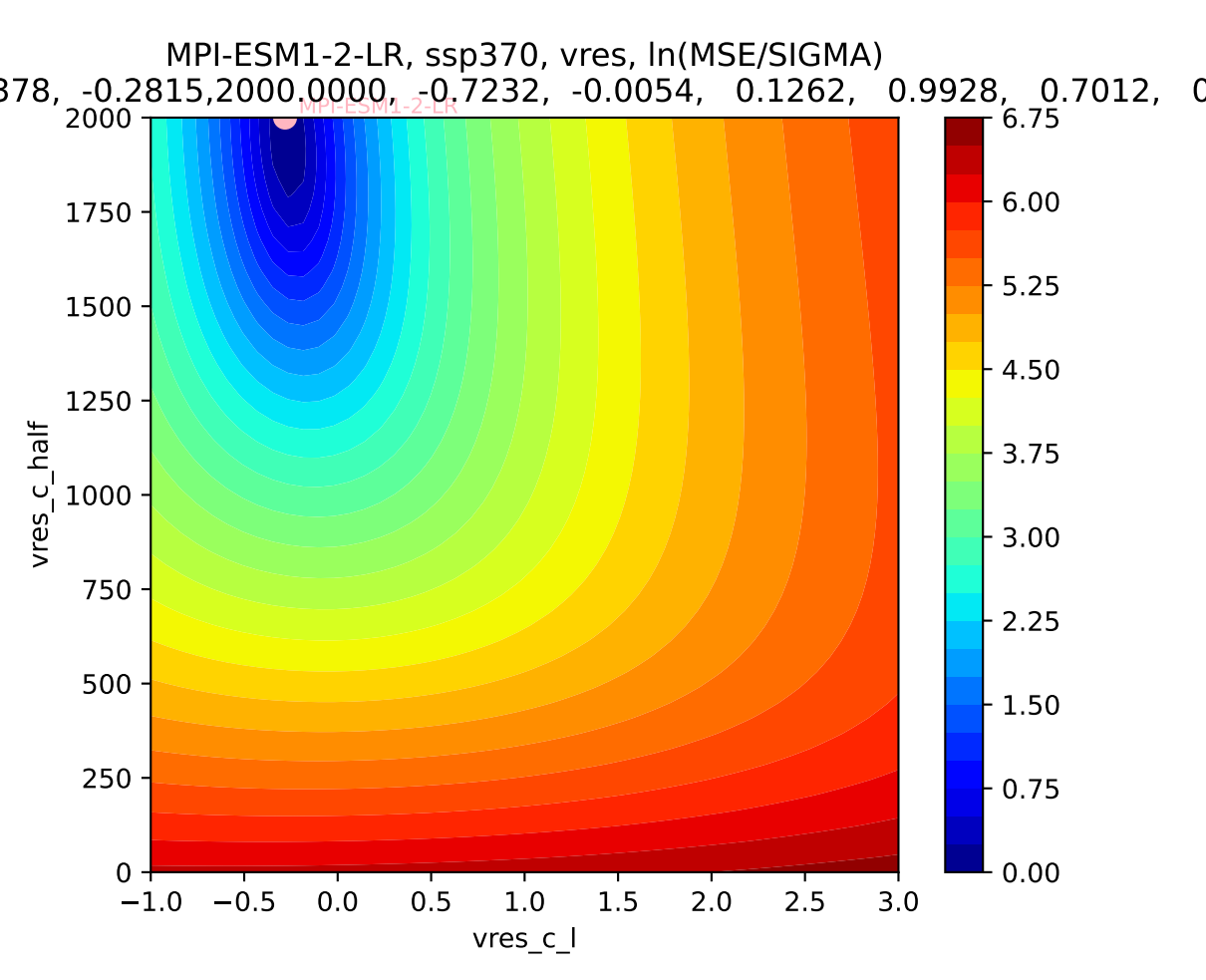

MPI-ESM1-2-LR, ssp370, vres
ESM
Fit
vres
ΔT

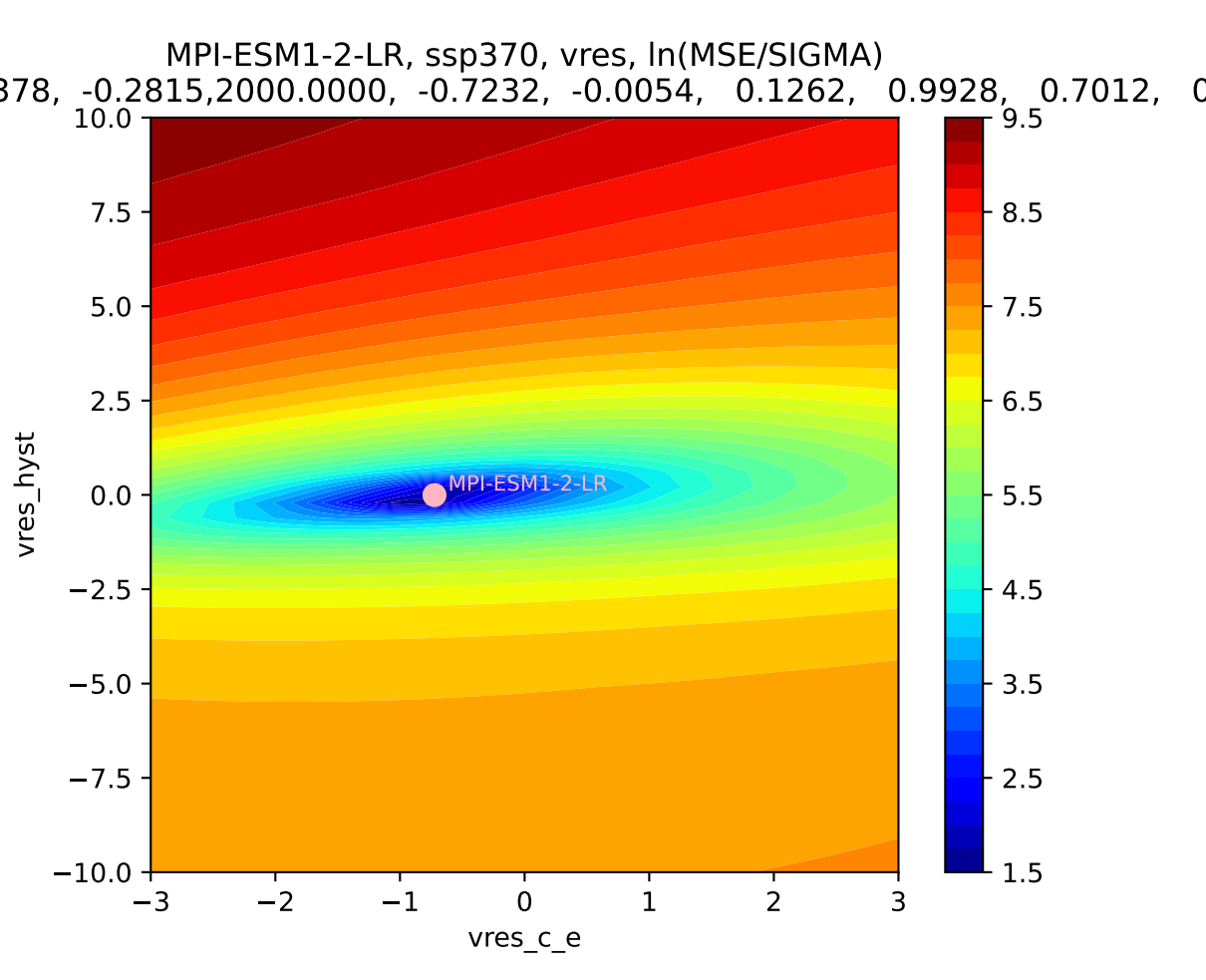

MPI-ESM1-2-LR, ssp370, vres
ESM-Fit
vres, ESM - FIT
ΔT

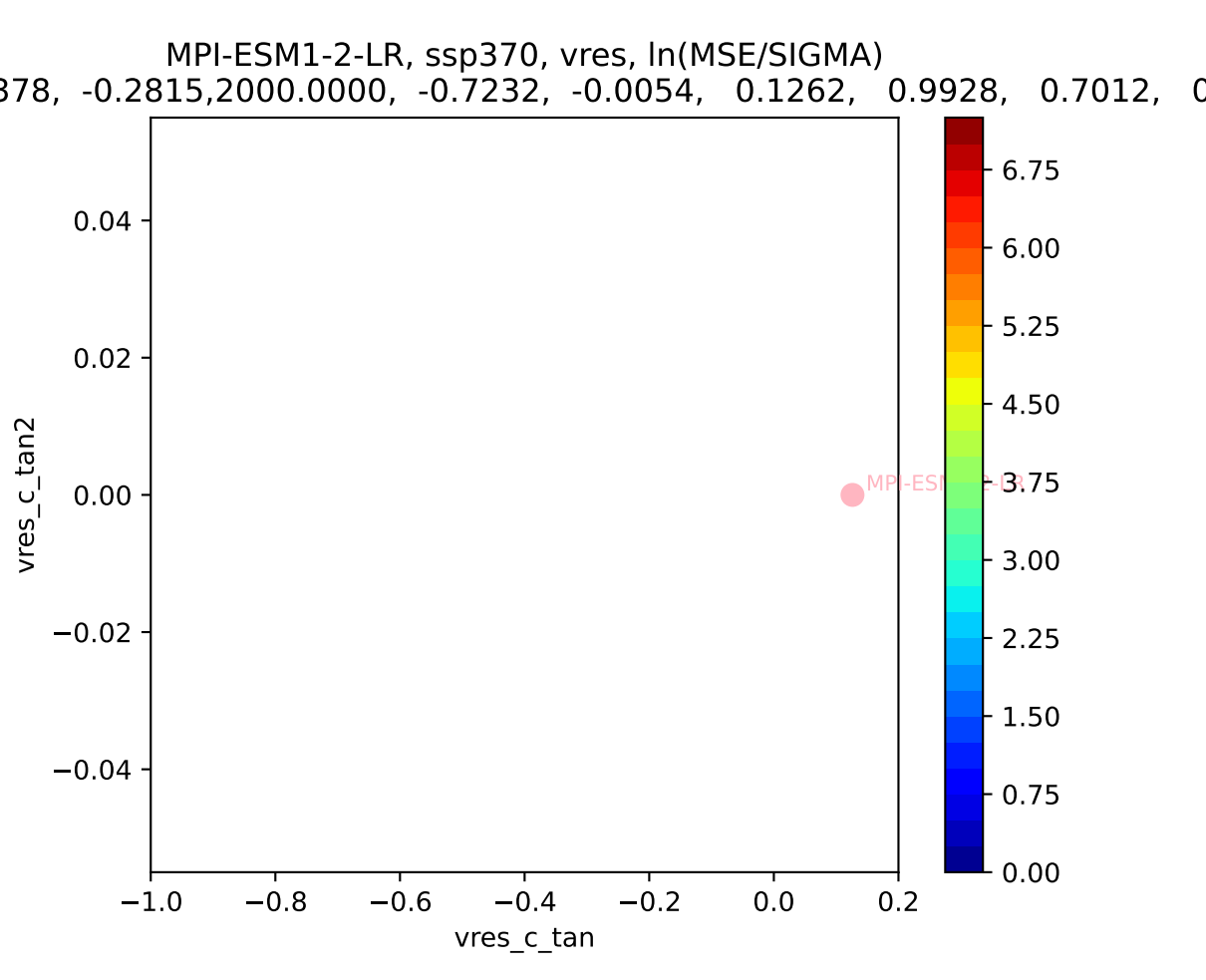

MPI-ESM1-2-LR, ssp370, vres
ESM
Fit
vres
c_atm

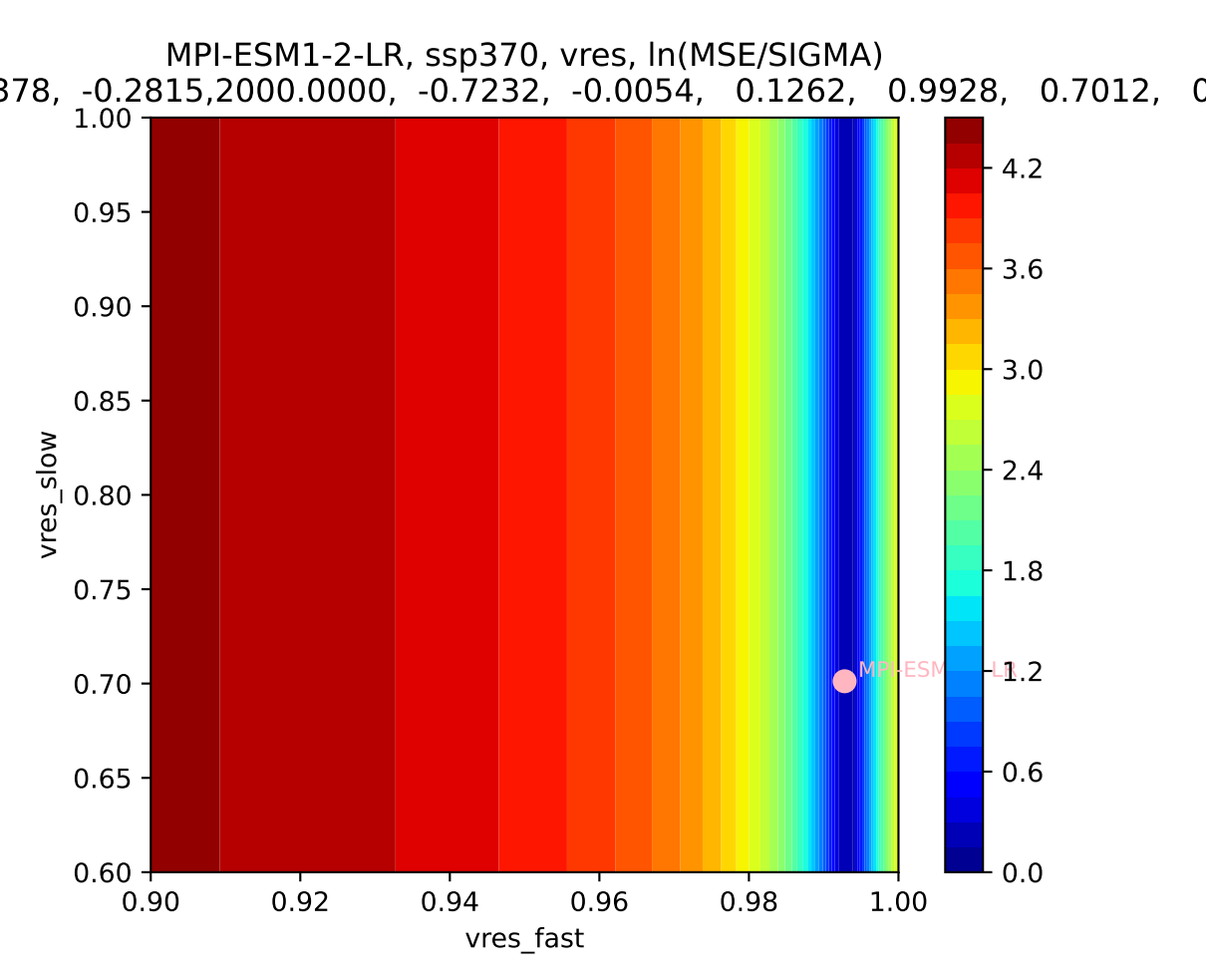

MPI-ESM1-2-LR, ssp370, vres
ESM-Fit
vres, ESM - FIT
c_atm

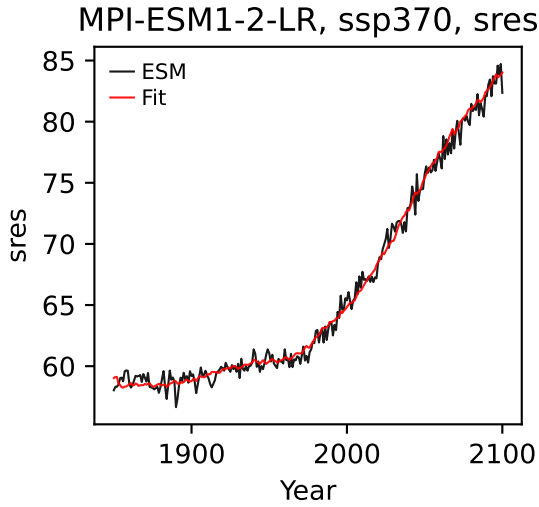

MPI-ESM1-2-LR, ssp370, vres, ln(MSE/SIGMA)
378, -0.2815,2000.0000, -0.7232, -0.0054, 0.1262, 0.9928, 0.7012, 0
MPI-ESM1-2-LR
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
9.0
7.8
6.6
5.4
4.2
3.0
1.8
0.6

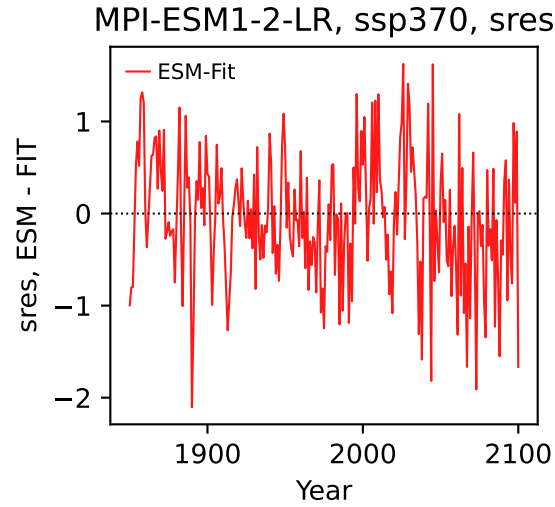

MPI-ESM1-2-LR, ssp370, vres, ln(MSE/SIGMA)
378, -0.2815,2000.0000, -0.7232, -0.0054, 0.1262, 0.9928, 0.7012, 0
MPI-ESM1-2-LR
vres_c_half
vres_c_l
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75
0.00

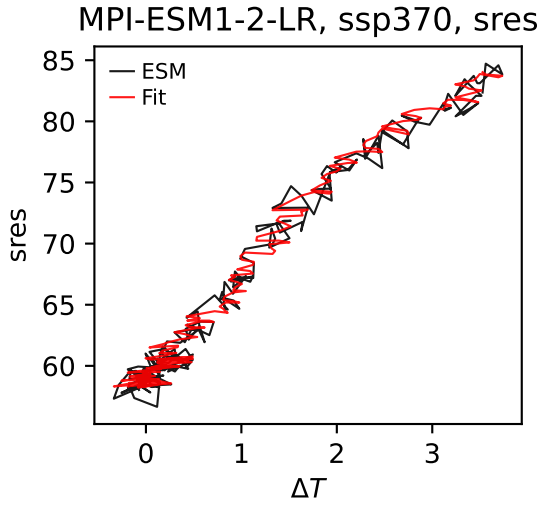

MPI-ESM1-2-LR, ssp370, vres, ln(MSE/SIGMA)
378, -0.2815,2000.0000, -0.7232, -0.0054, 0.1262, 0.9928, 0.7012, 0
MPI-ESM1-2-LR
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
9.5
8.5
7.5
6.5
5.5
4.5
3.5
2.5
1.5

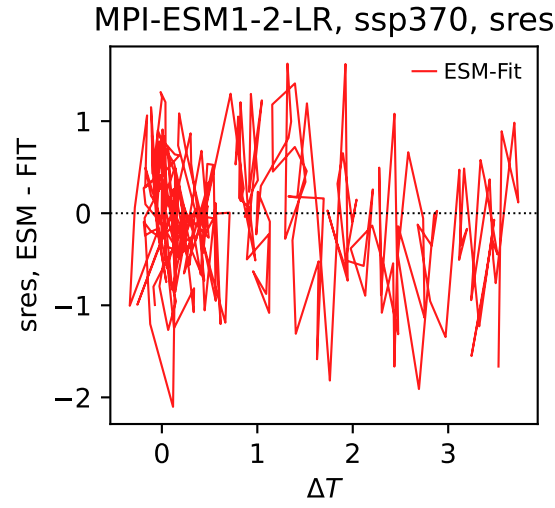

MPI-ESM1-2-LR, ssp370, vres, ln(MSE/SIGMA)
378, -0.2815,2000.0000, -0.7232, -0.0054, 0.1262, 0.9928, 0.7012, 0
vres_c_tan2
vres_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75
0.00

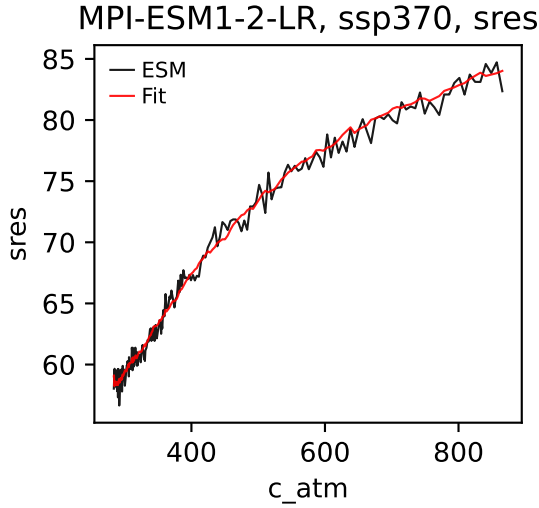

MPI-ESM1-2-LR, ssp370, vres, ln(MSE/SIGMA)
378, -0.2815,2000.0000, -0.7232, -0.0054, 0.1262, 0.9928, 0.7012, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
0.90
0.92
0.94
0.96
0.98
1.00
vres_fast
4.2
3.6
3.0
2.4
1.8
1.2
0.6
0.0

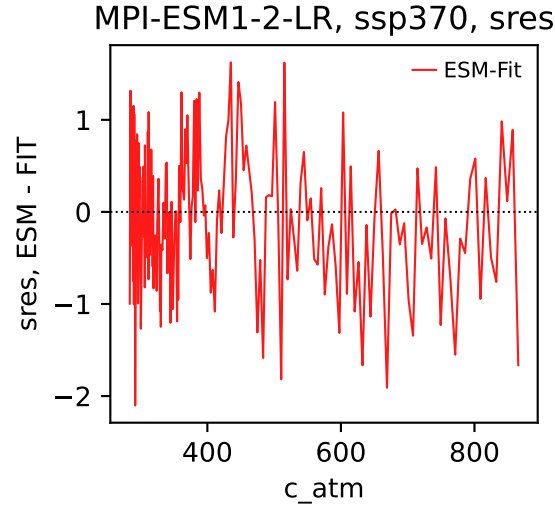

MPI-ESM1-2-LR, ssp370, sres
ESM
Fit
sres
Year

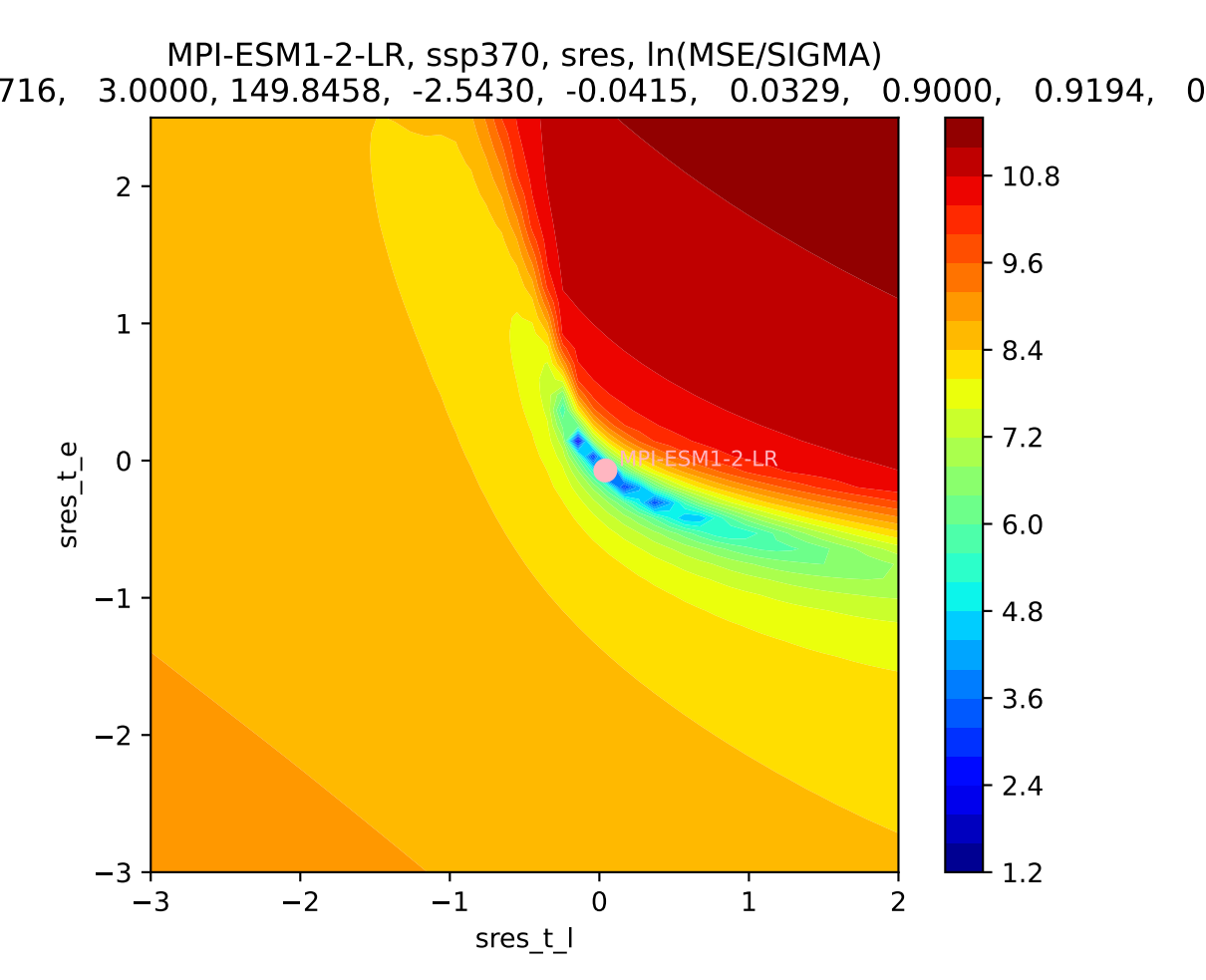

MPI-ESM1-2-LR, ssp370, sres
ESM-Fit
sres, ESM - FIT
Year

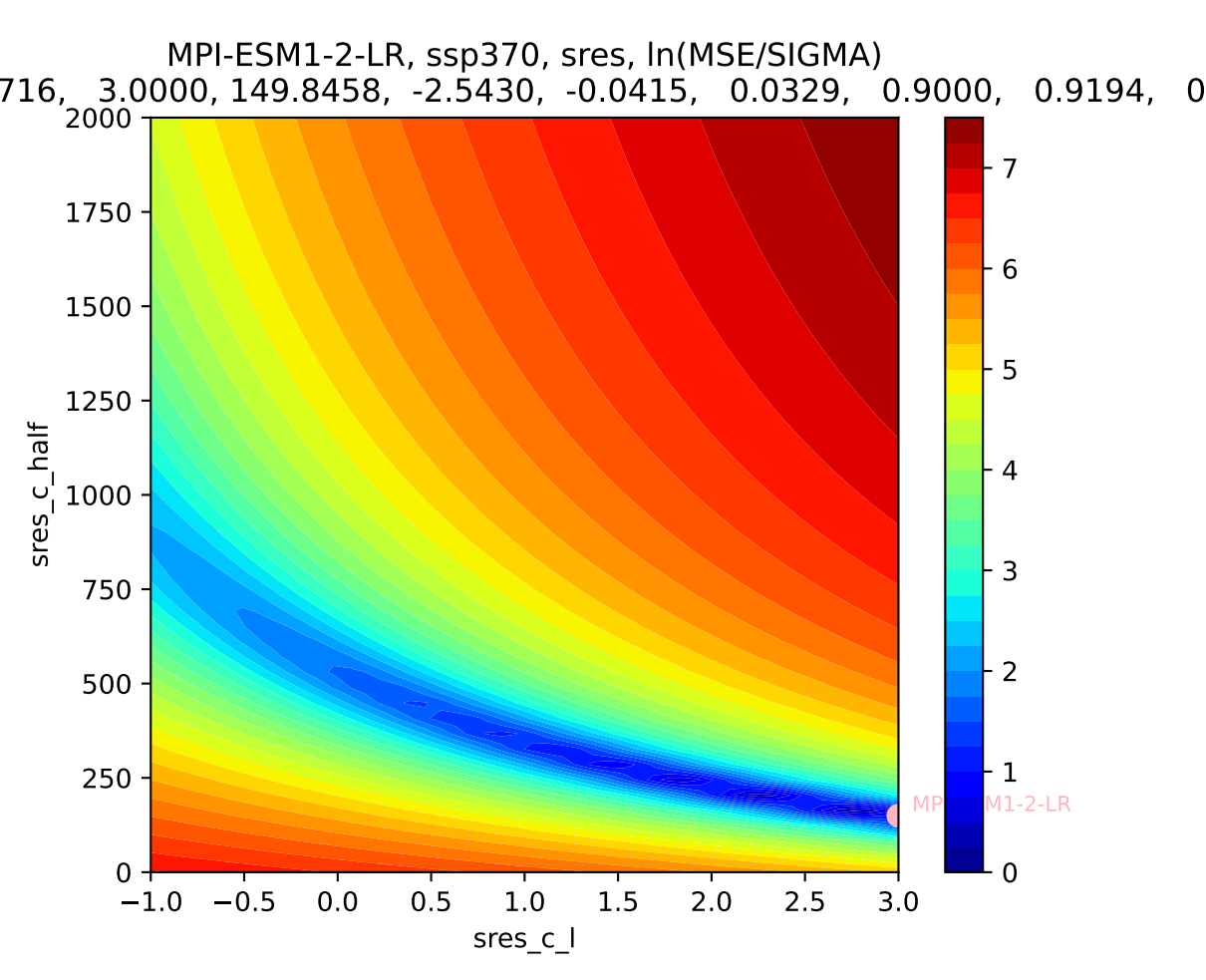

MPI-ESM1-2-LR, ssp370, sres
ESM
Fit
sres
ΔT

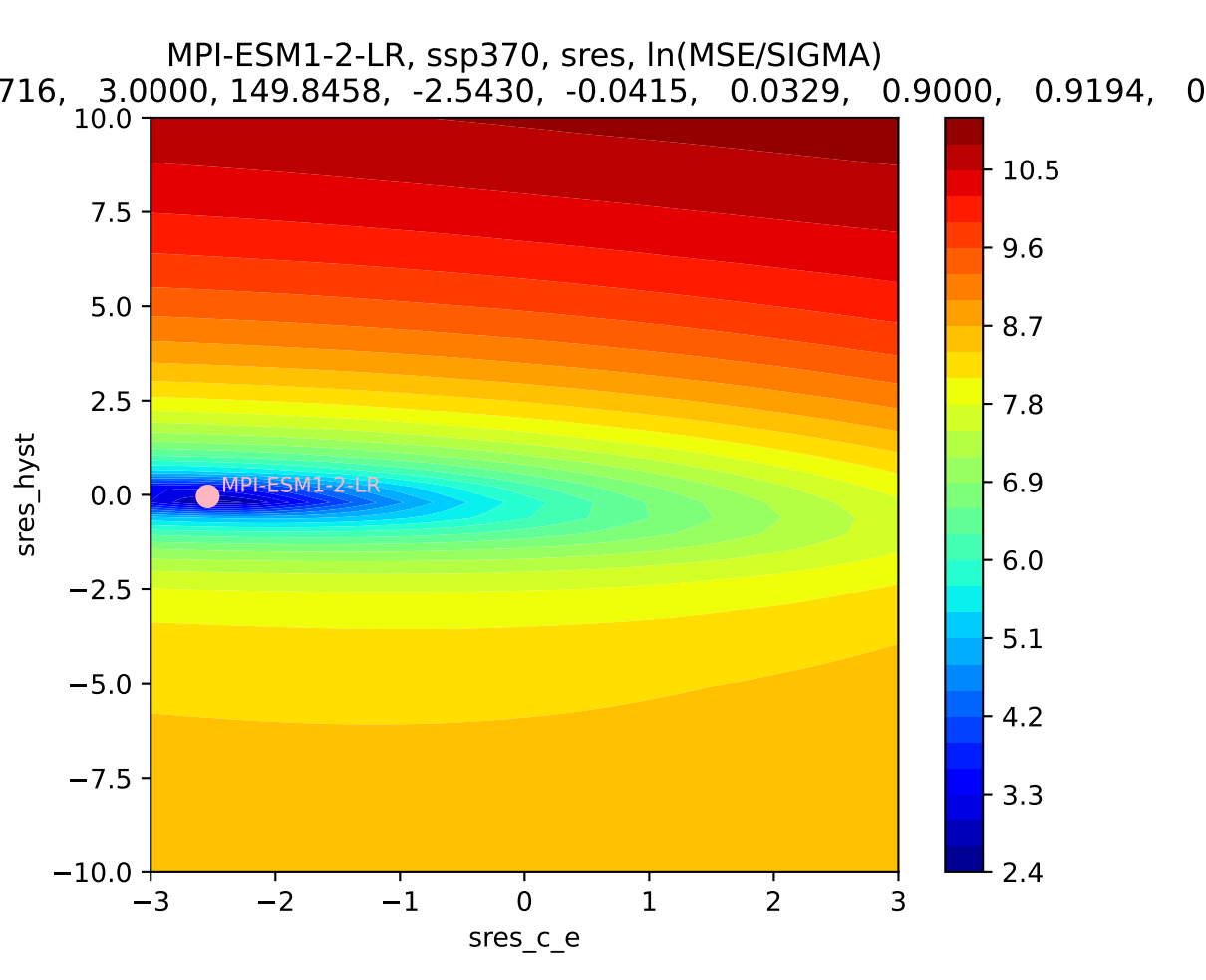

MPI-ESM1-2-LR, ssp370, sres
ESM-Fit
sres, ESM - FIT
ΔT

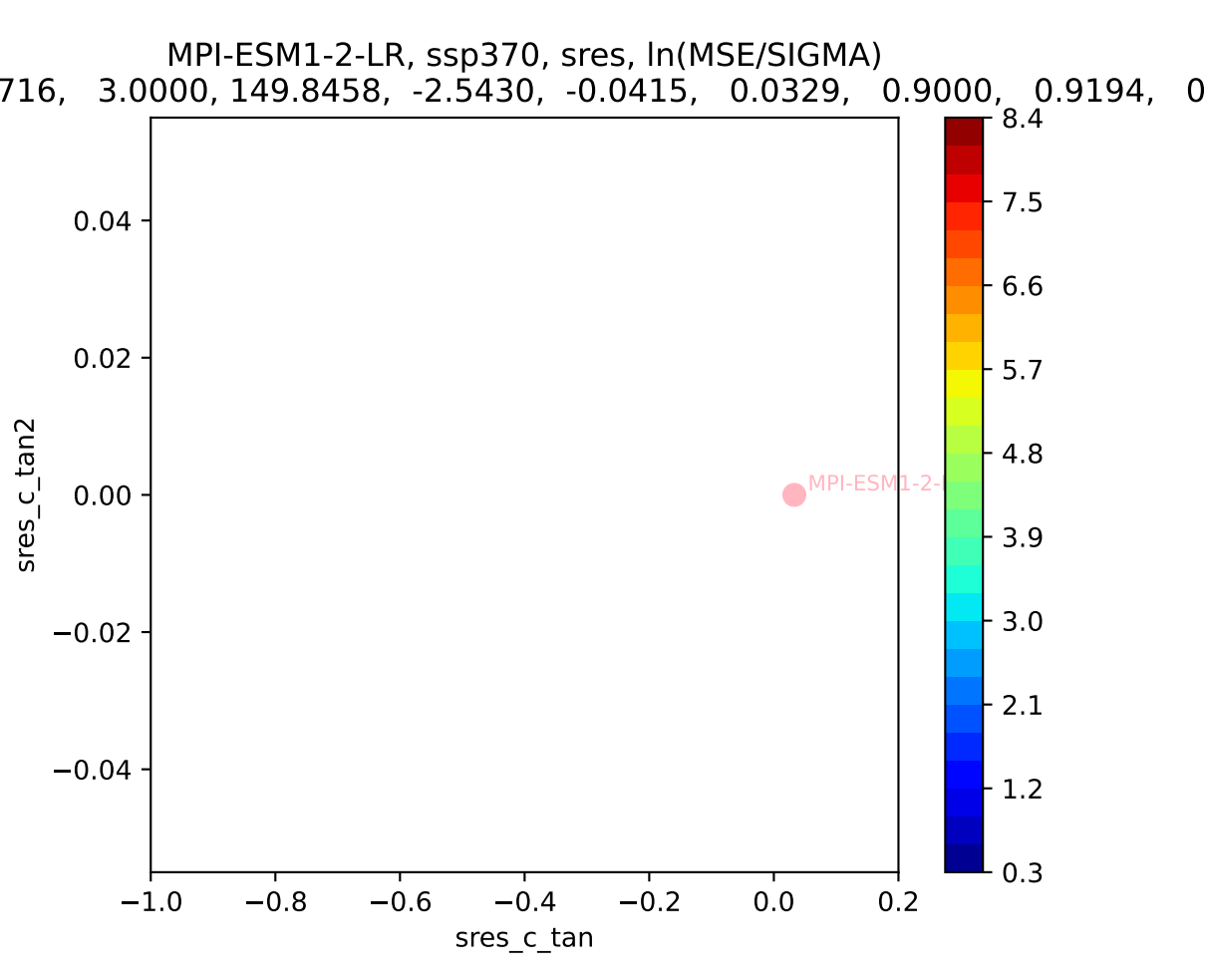

MPI-ESM1-2-LR, ssp370, sres
ESM
Fit
sres
c_atm

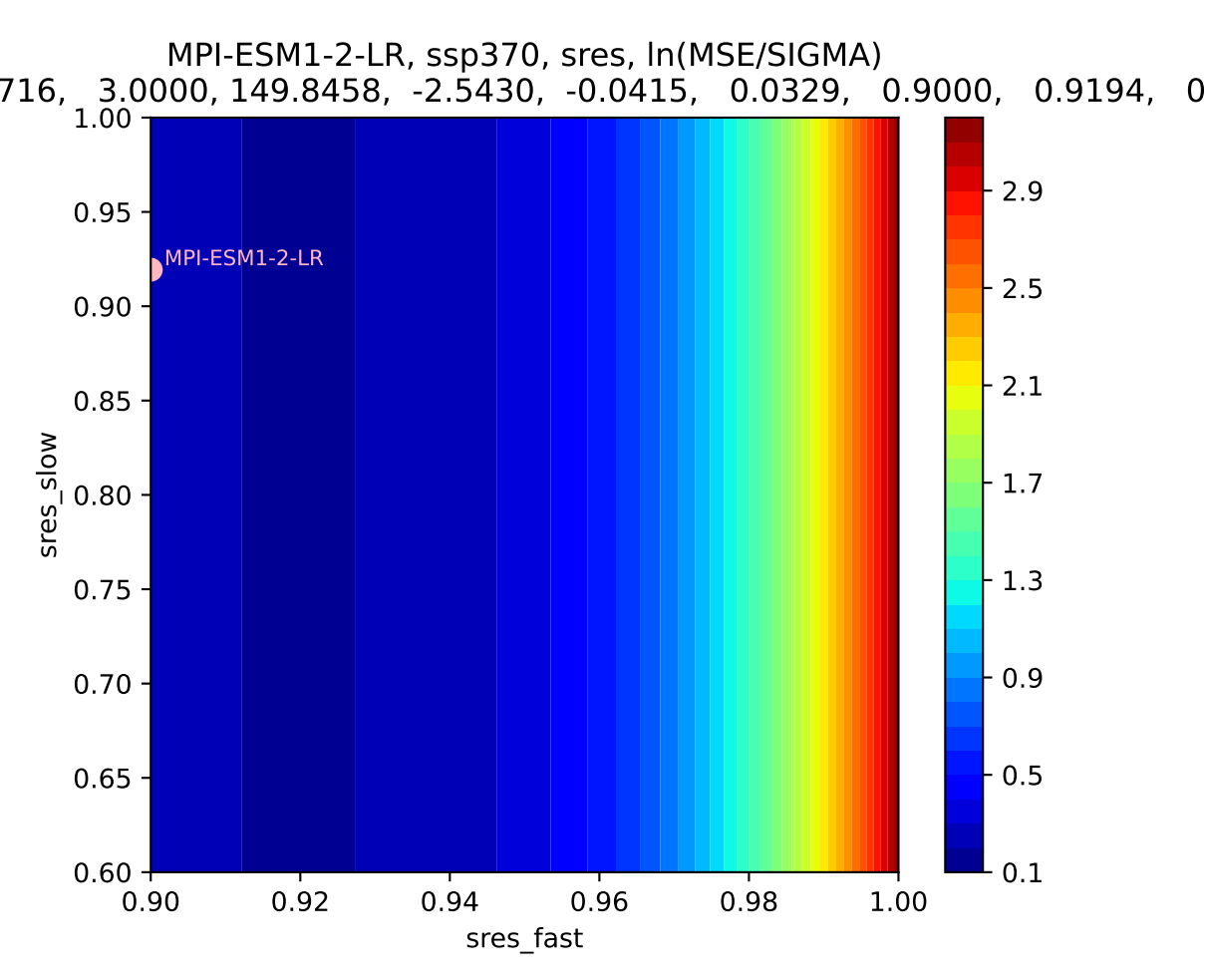

MPI-ESM1-2-LR, ssp370, sres
ESM-Fit
sres, ESM - FIT
c_atm

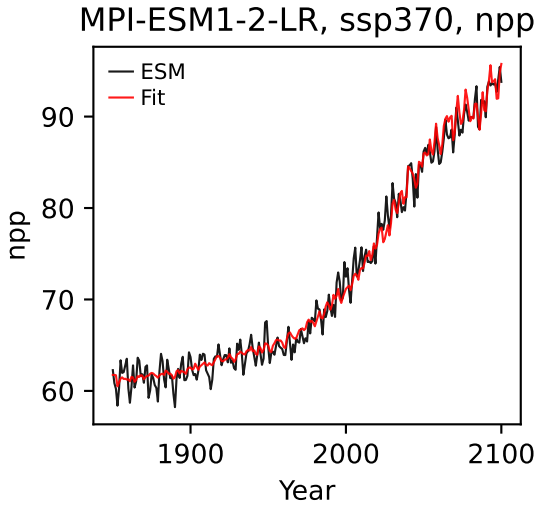

MPI-ESM1-2-LR, ssp370, sres, ln(MSE/SIGMA)
716, 3.0000, 149.8458, -2.5430, -0.0415, 0.0329, 0.9000, 0.9194, 0
MPI-ESM1-2-LR
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

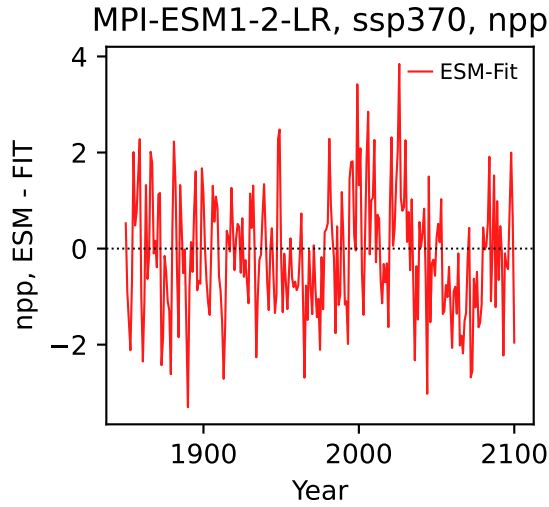

MPI-ESM1-2-LR, ssp370, sres, ln(MSE/SIGMA)
716, 3.0000, 149.8458, -2.5430, -0.0415, 0.0329, 0.9000, 0.9194, 0
sres_c_half
sres_c_l
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7
6
5
4
3
2
1
0
MP
M1-2-LR

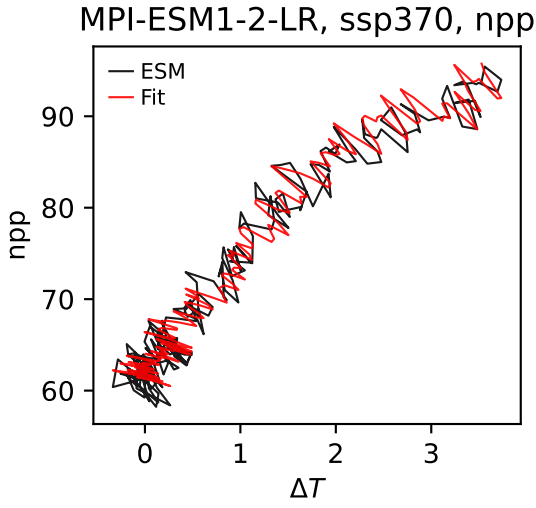

MPI-ESM1-2-LR, ssp370, sres, ln(MSE/SIGMA)
716, 3.0000, 149.8458, -2.5430, -0.0415, 0.0329, 0.9000, 0.9194, 0
MPI-ESM1-2-LR
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.5
9.6
8.7
7.8
6.9
6.0
5.1
4.2
3.3
2.4

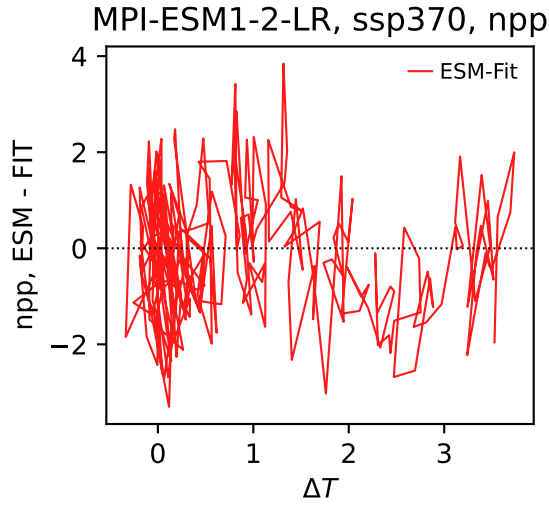

MPI-ESM1-2-LR, ssp370, sres, ln(MSE/SIGMA)
716, 3.0000, 149.8458, -2.5430, -0.0415, 0.0329, 0.9000, 0.9194, 0
MPI-ESM1-2-
sres_c_tan2
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
sres_c_tan
8.4
7.5
6.6
5.7
4.8
3.9
3.0
2.1
1.2
0.3

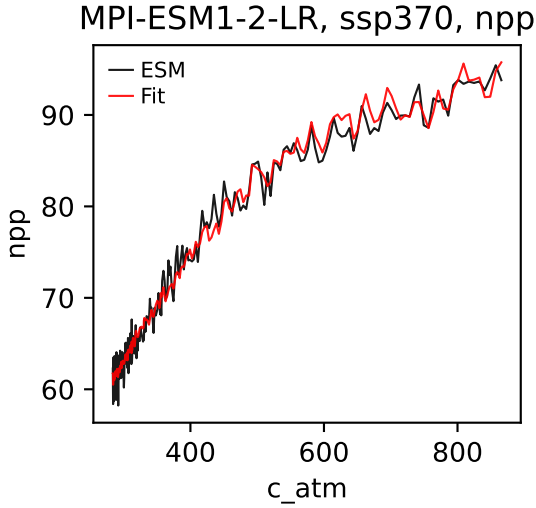

MPI-ESM1-2-LR, ssp370, sres, ln(MSE/SIGMA)
716, 3.0000, 149.8458, -2.5430, -0.0415, 0.0329, 0.9000, 0.9194, 0
MPI-ESM1-2-LR
sres_slow
sres_fast
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.90
0.92
0.94
0.96
0.98
1.00
2.9
2.5
2.1
1.7
1.3
0.9
0.5
0.1

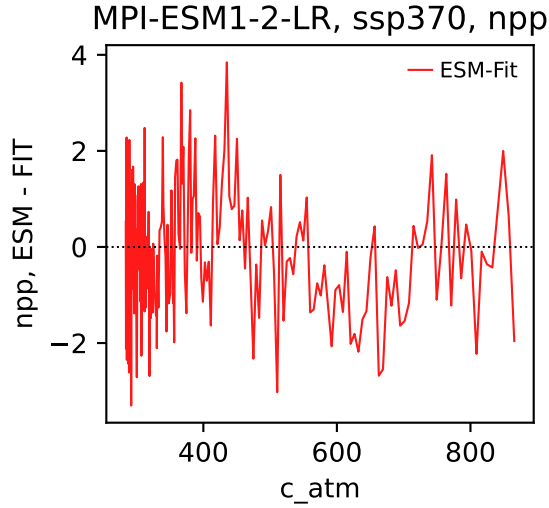

MPI-ESM1-2-LR, ssp370, npp
ESM
Fit
npp
Year

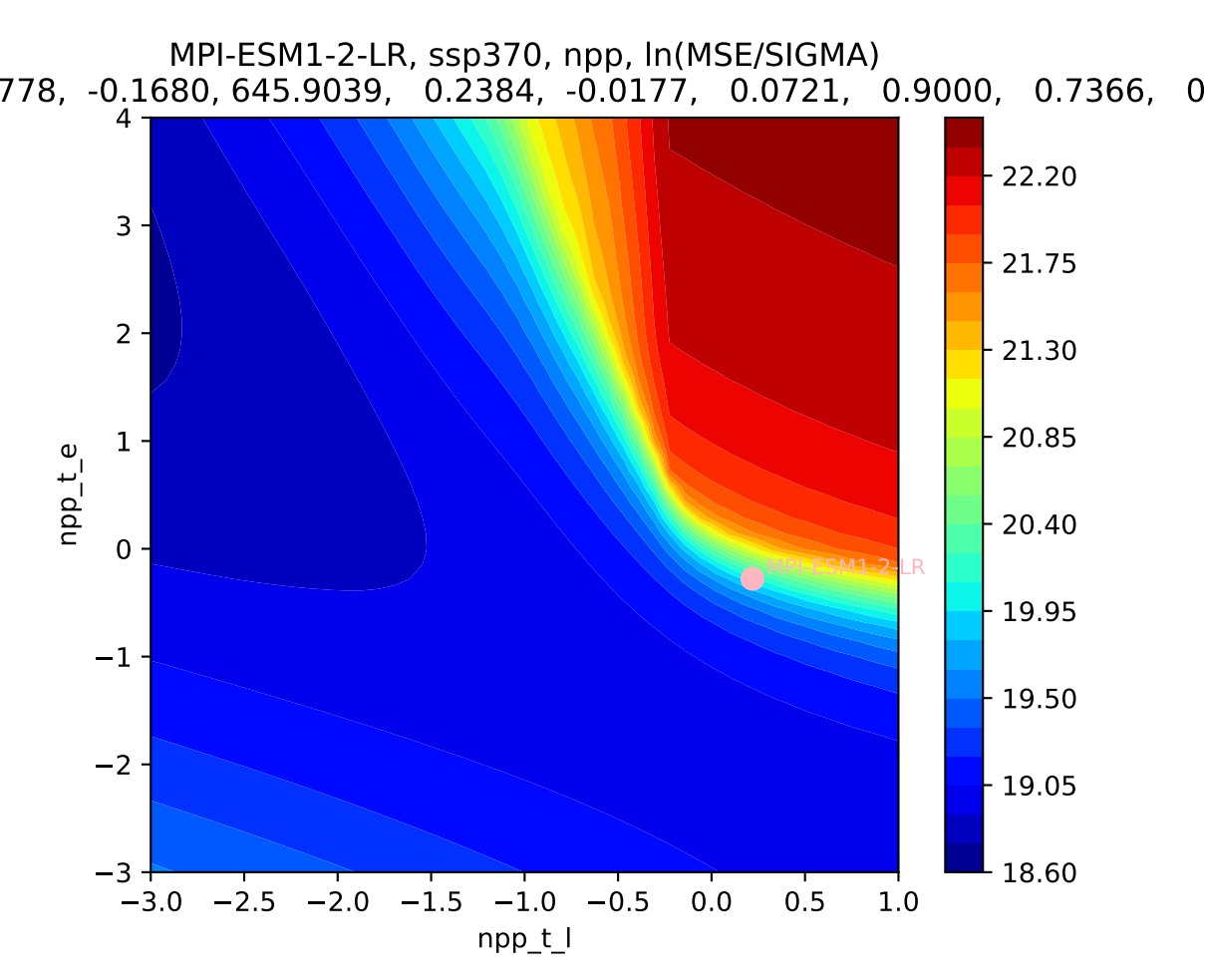

MPI-ESM1-2-LR, ssp370, npp
ESM-Fit
npp, ESM - FIT
Year

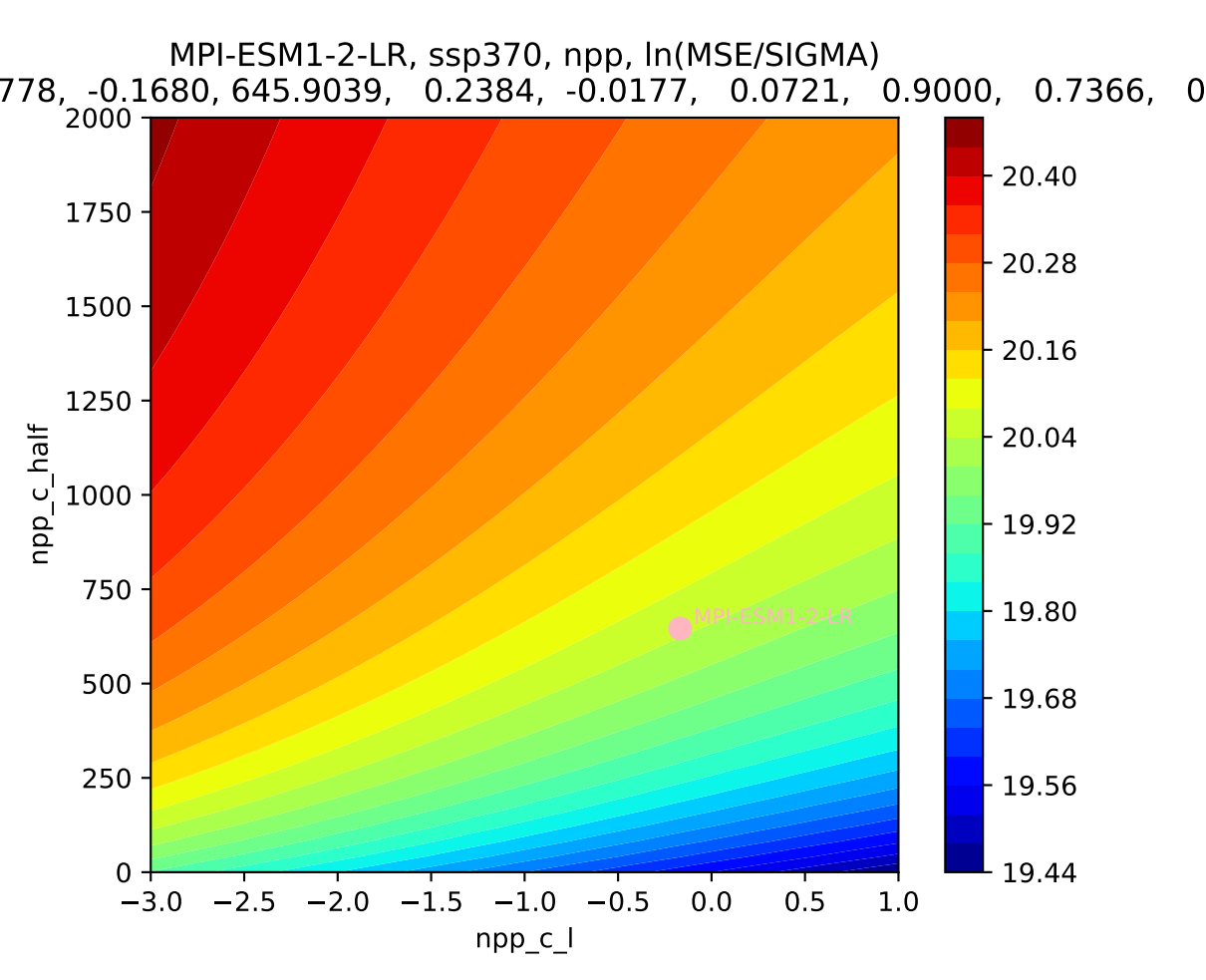

MPI-ESM1-2-LR, ssp370, npp
ESM
Fit
npp
ΔT

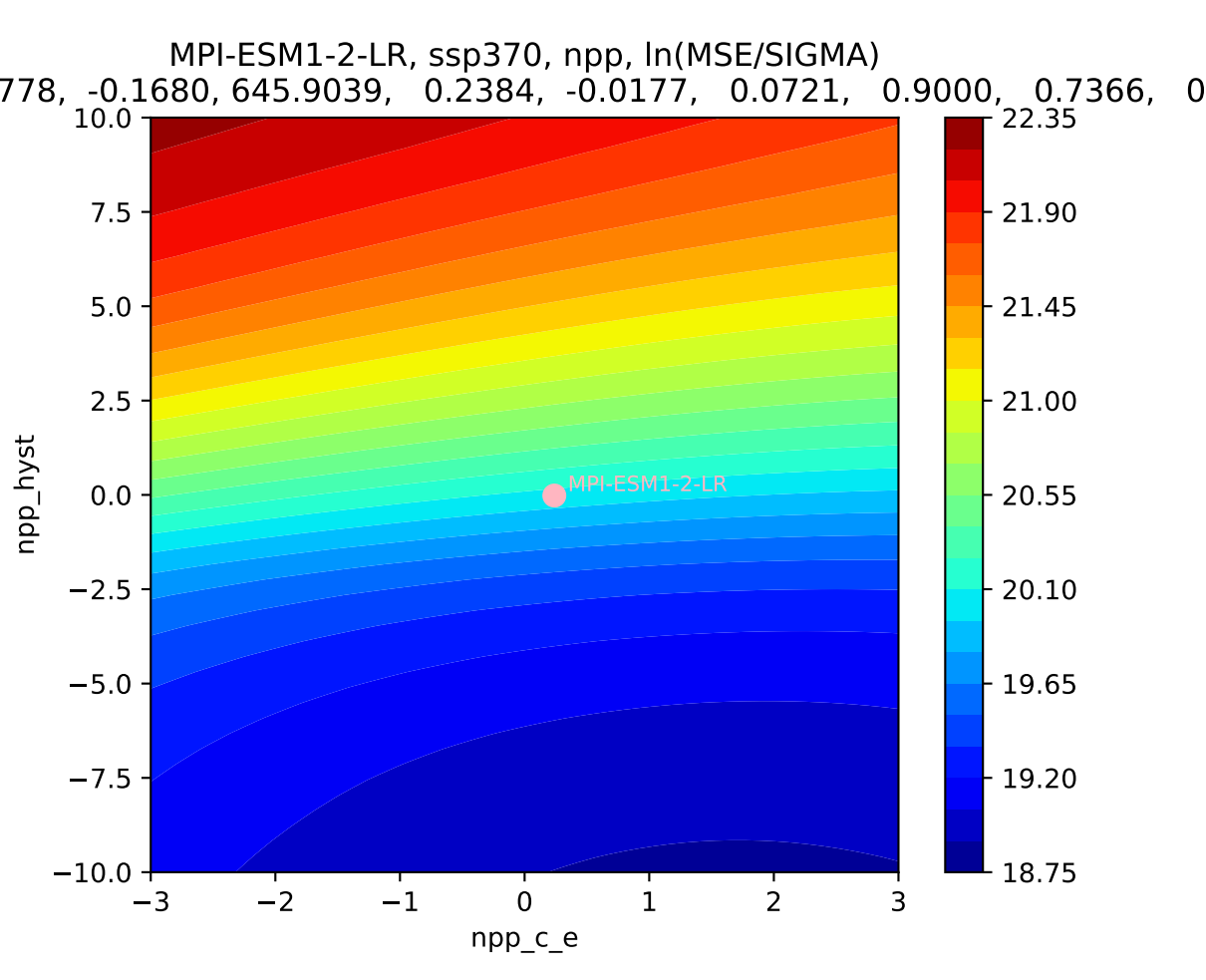

MPI-ESM1-2-LR, ssp370, npp
ESM-Fit
npp, ESM - FIT
ΔT

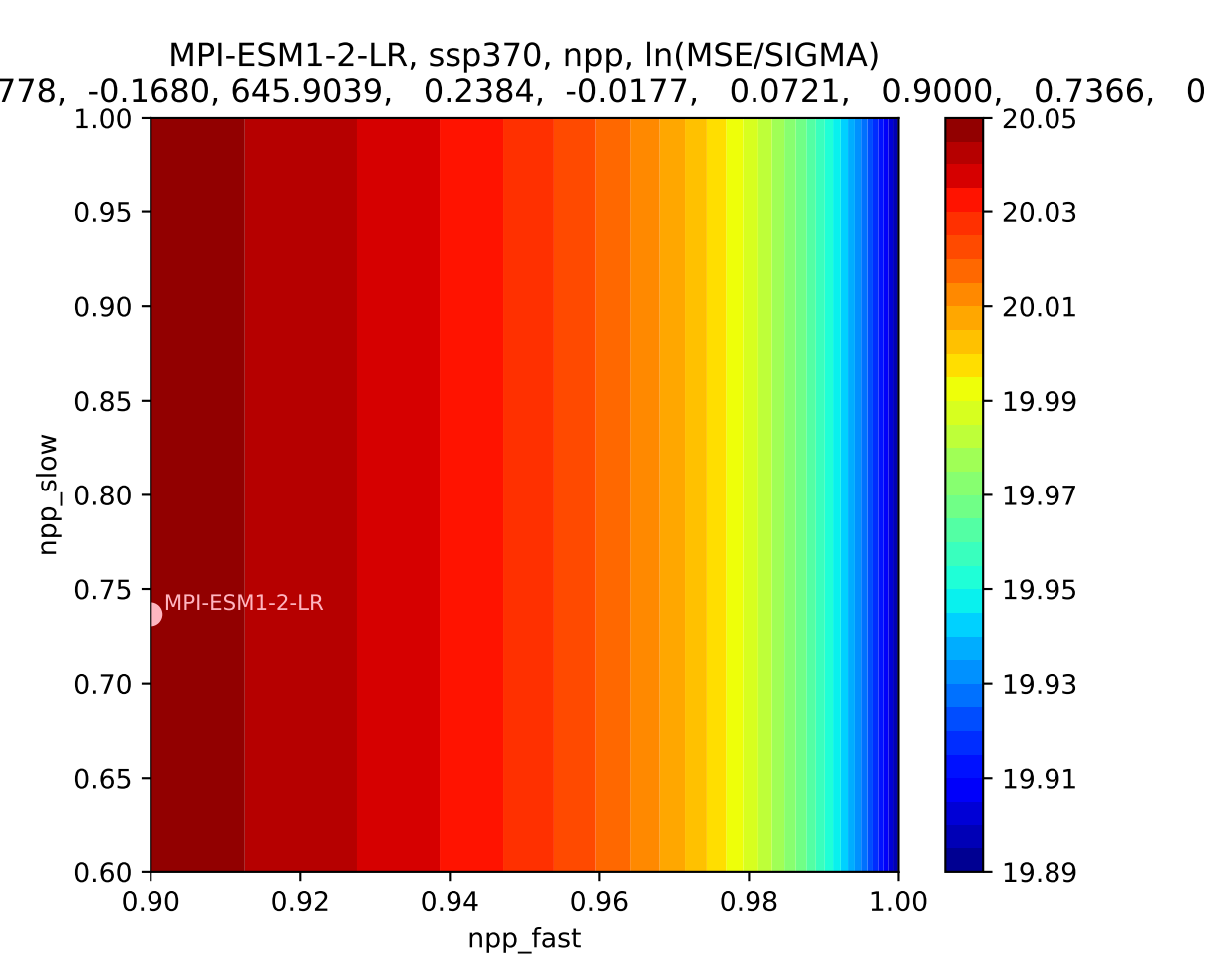

MPI-ESM1-2-LR, ssp370, npp
ESM
Fit
npp
c_atm

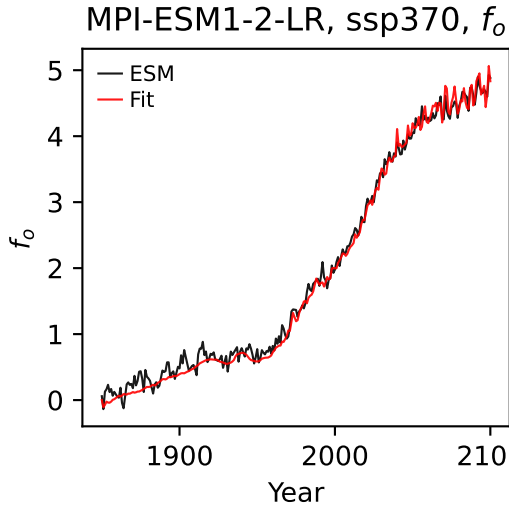

MPI-ESM1-2-LR, ssp370, npp
ESM-Fit
npp, ESM - FIT
c_atm

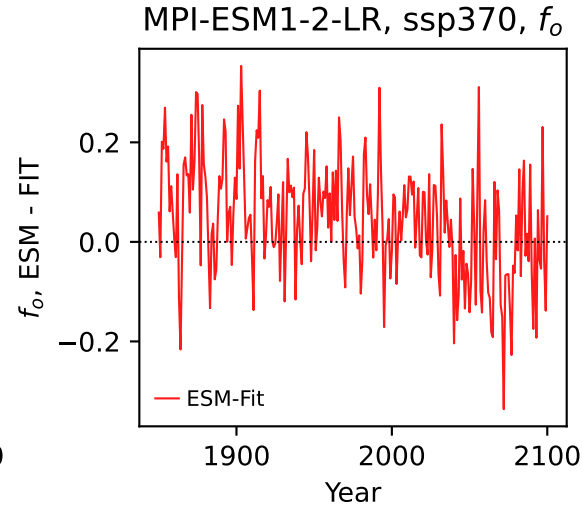

MPI-ESM1-2-LR, ssp370, npp, ln(MSE/SIGMA)
778, -0.1680, 645.9039, 0.2384, -0.0177, 0.0721, 0.9000, 0.7366, 0
npp_t_e
npp_t_l
MPI-ESM1-2-LR
22.20
21.75
21.30
20.85
20.40
19.95
19.50
19.05
18.60

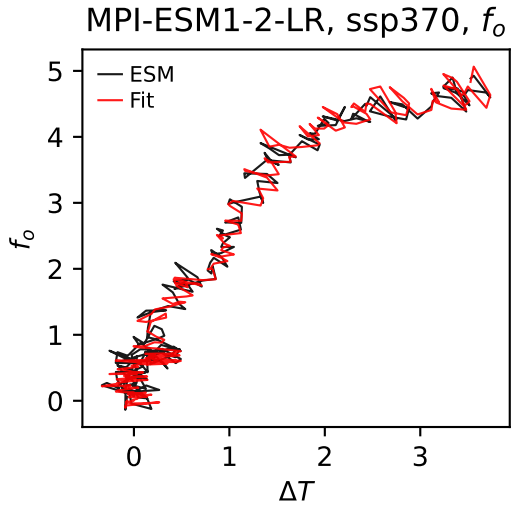

MPI-ESM1-2-LR, ssp370, npp, ln(MSE/SIGMA)
778, -0.1680, 645.9039, 0.2384, -0.0177, 0.0721, 0.9000, 0.7366, 0
2000
1750
1500
1250
1000
750
500
250
0
npp_c_half
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
npp_c_l
MPI-ESM1-2-LR
20.40
20.28
20.16
20.04
19.92
19.80
19.68
19.56
19.44

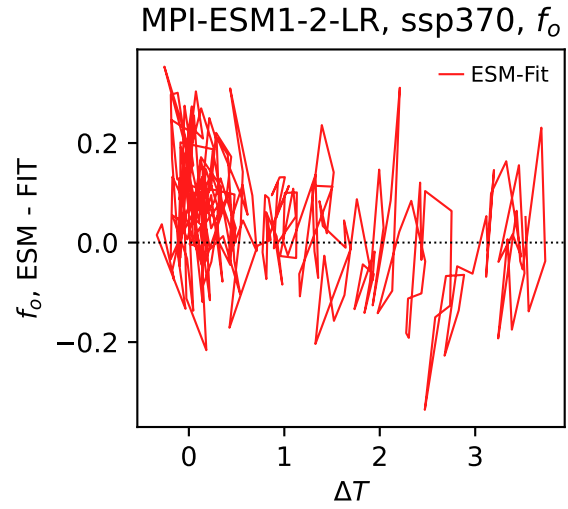

MPI-ESM1-2-LR, ssp370, npp, ln(MSE/SIGMA)
778, -0.1680, 645.9039, 0.2384, -0.0177, 0.0721, 0.9000, 0.7366, 0
MPI-ESM1-2-LR
npp_hyst
npp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.35
21.90
21.45
21.00
20.55
20.10
19.65
19.20
18.75

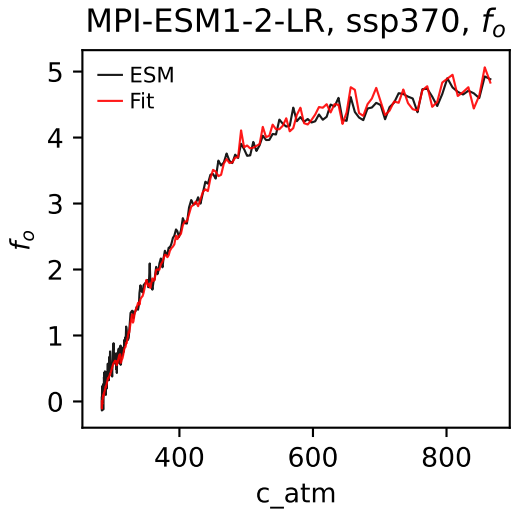

MPI-ESM1-2-LR, ssp370, npp, ln(MSE/SIGMA)
778, -0.1680, 645.9039, 0.2384, -0.0177, 0.0721, 0.9000, 0.7366, 0
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
MPI-ESM1-2-LR
0.90
0.92
0.94
0.96
0.98
1.00
npp_fast
20.05
20.03
20.01
19.99
19.97
19.95
19.93
19.91
19.89

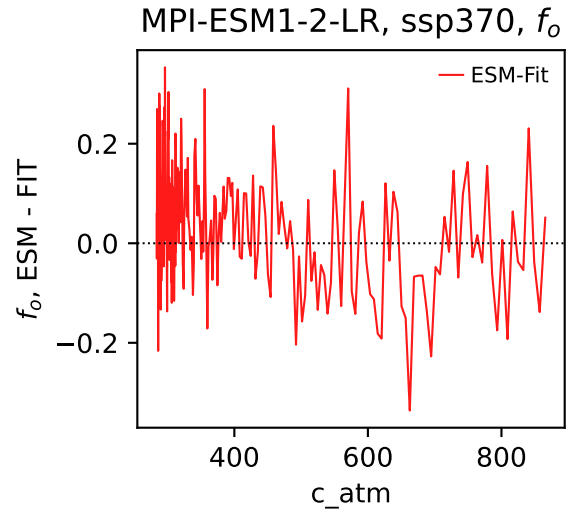

MPI-ESM1-2-LR, ssp370, f_o
ESM
Fit
f_o
Year

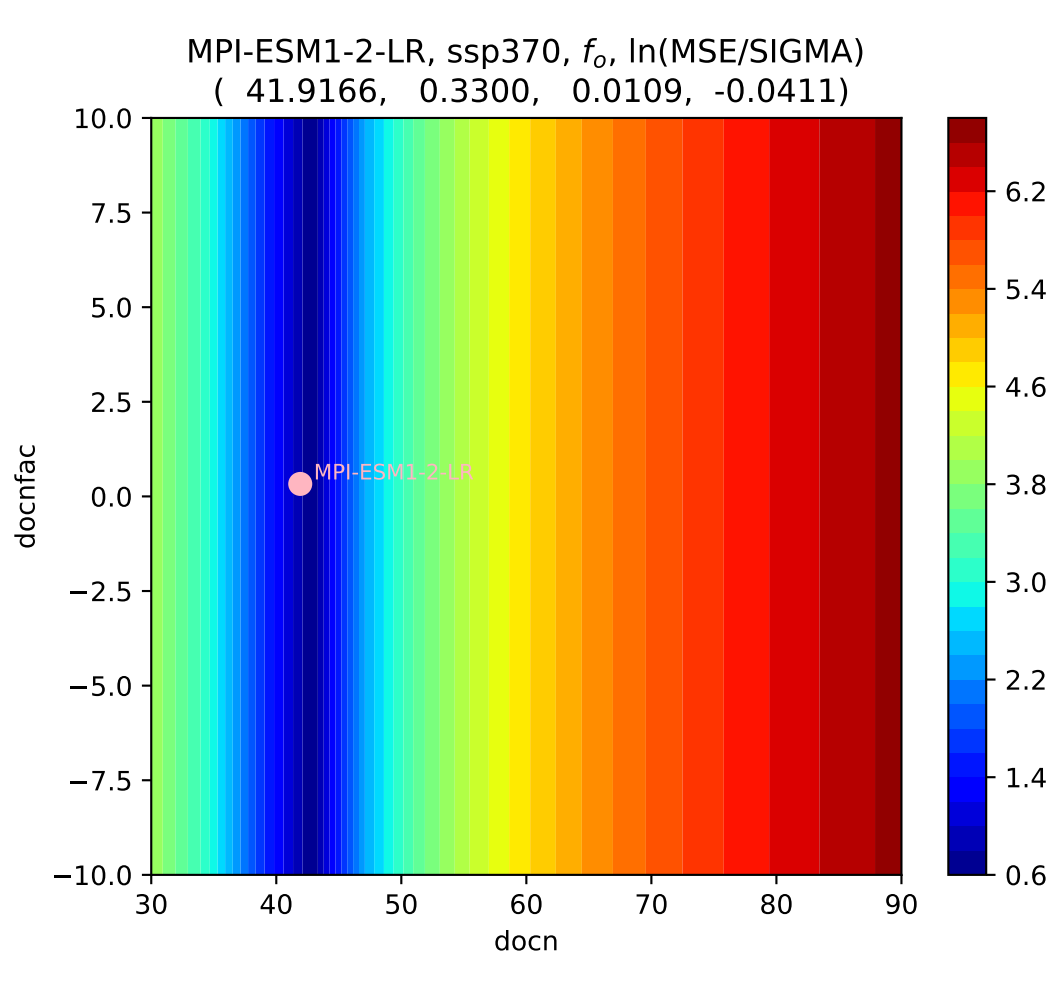

MPI-ESM1-2-LR, ssp370, f_o
f_o, ESM - FIT
ESM-Fit
Year

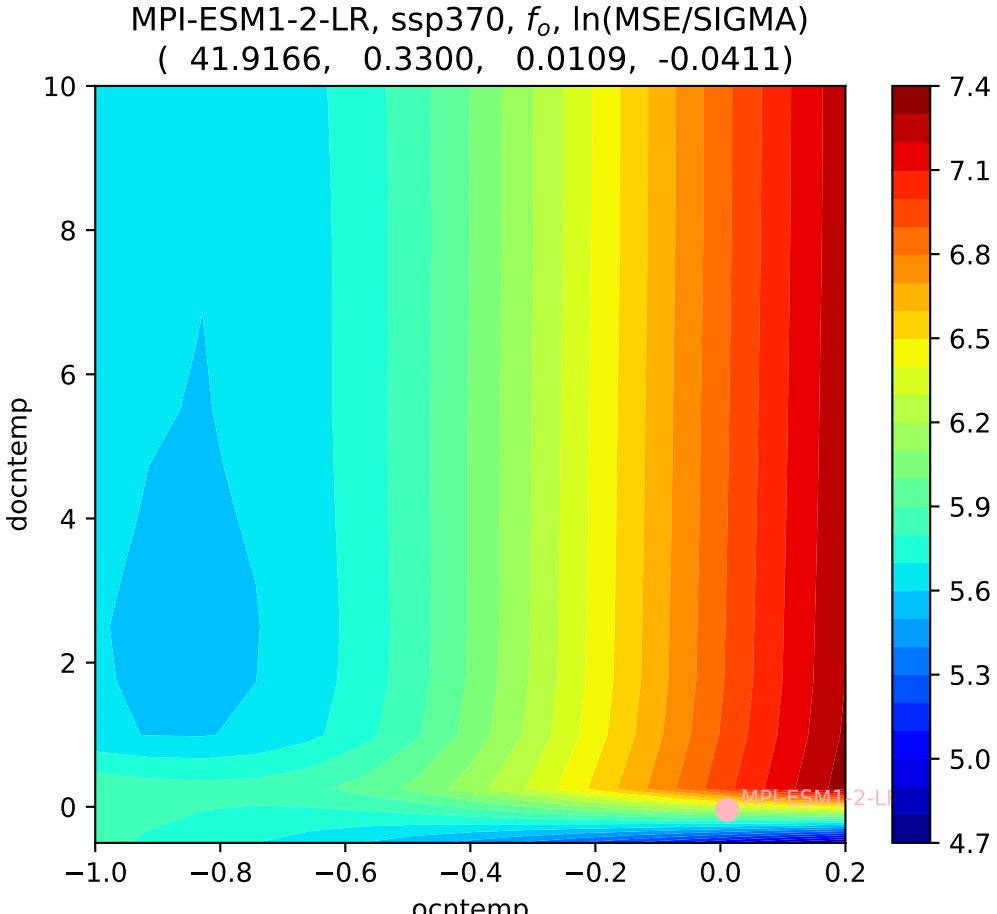

MPI-ESM1-2-LR, ssp370, f_o
ESM
Fit
f_o
ΔT


MPI-ESM1-2-LR, ssp370, f_o
f_o, ESM - FIT
ESM-Fit
ΔT


MPI-ESM1-2-LR, ssp370, f_o
ESM
Fit
f_o
c_atm


MPI-ESM1-2-LR, ssp370, f_o
f_o, ESM - FIT
ESM-Fit
c_atm


MPI-ESM1-2-LR, ssp370, f_o, ln(MSE/SIGMA)
(41.9166, 0.3300, 0.0109, -0.0411)
MPI-ESM1-2-LR
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
6.2
5.4
4.6
3.8
3.0
2.2
1.4
0.6


MPI-ESM1-2-LR, ssp370, f_o, ln(MSE/SIGMA)
(41.9166, 0.3300, 0.0109, -0.0411)
10
8
6
4
2
0
docntemp
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
ocntemp
7.4
7.1
6.8
6.5
6.2
5.9
5.6
5.3
5.0
4.7