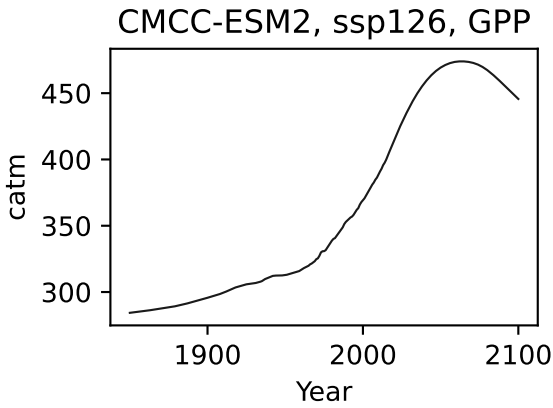
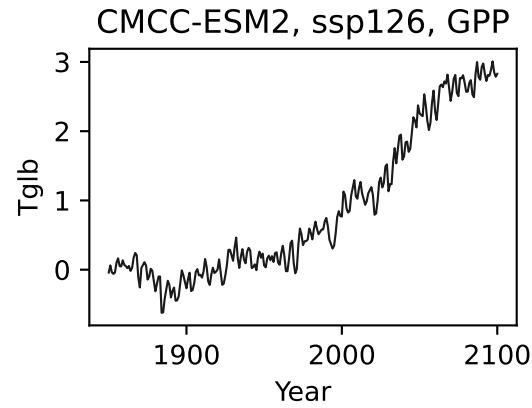
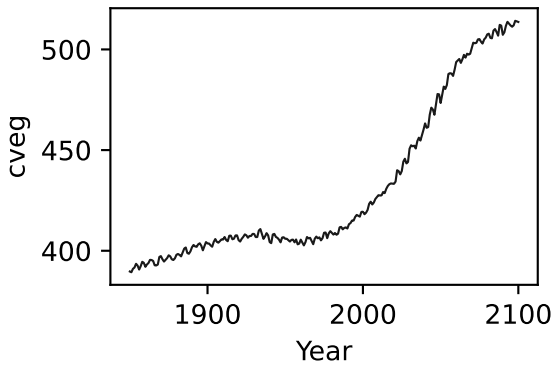
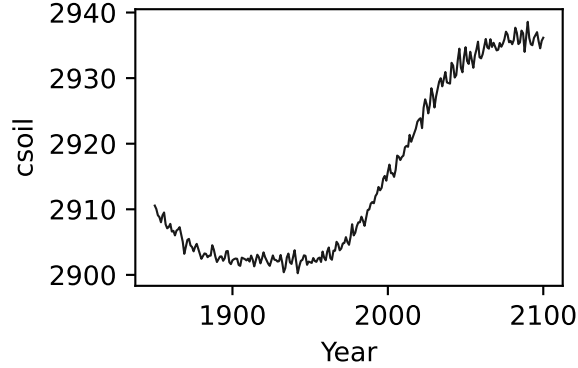
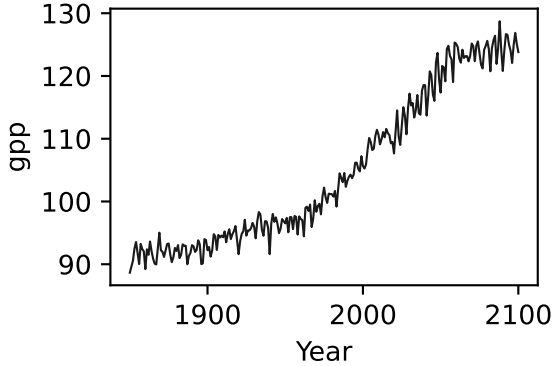
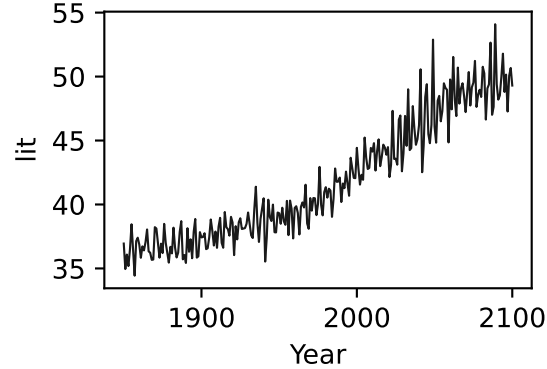

CMCC-ESM2, ssp126, GPP
catm
Year

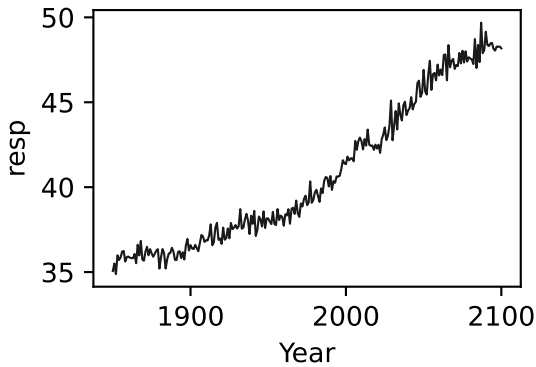

CMCC-ESM2, ssp126, GPP
Tglb
Year

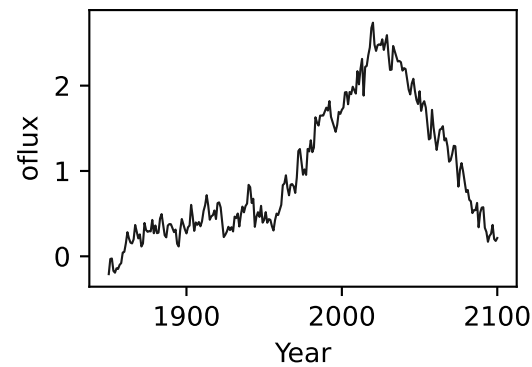

cveg
Year

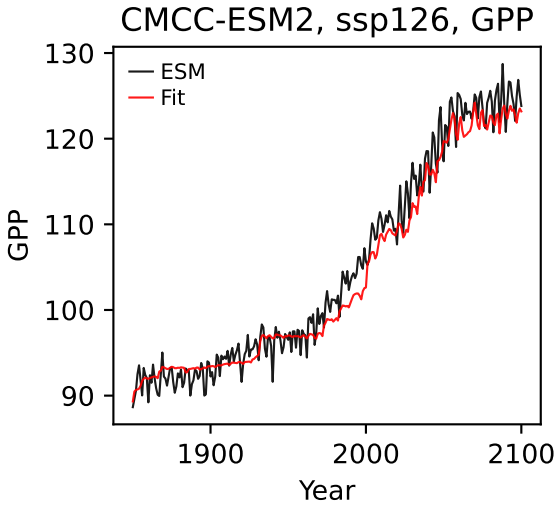

csoil
Year

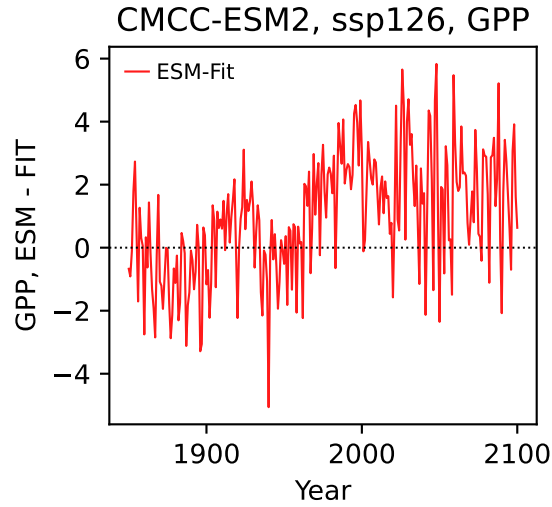

gpp
Year

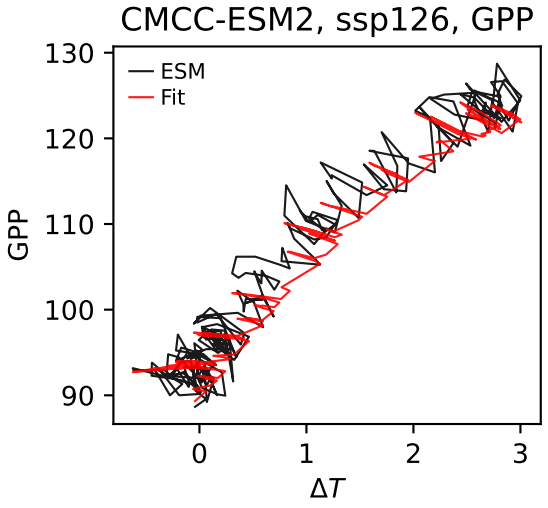

lit
Year

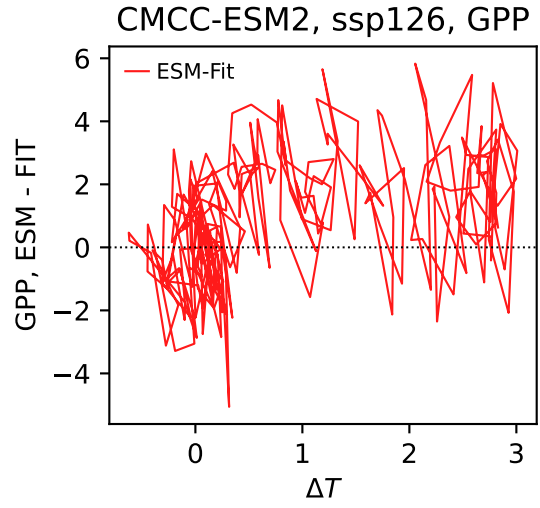

resp
Year

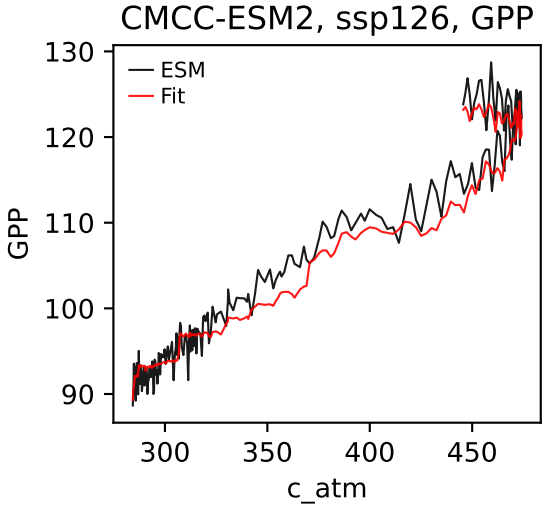

oflux
Year

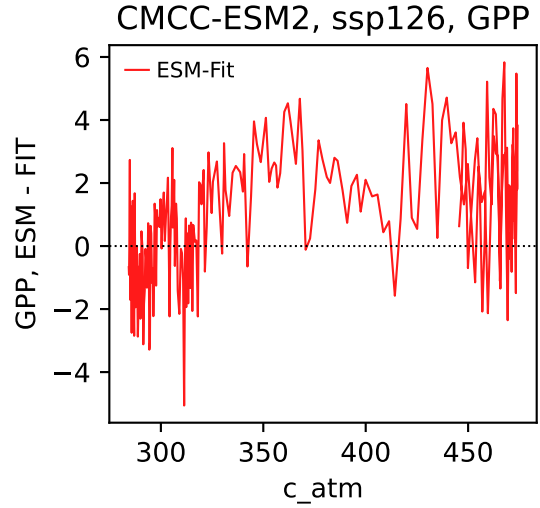

CMCC-ESM2, ssp126, GPP
ESM
Fit
GPP
Year

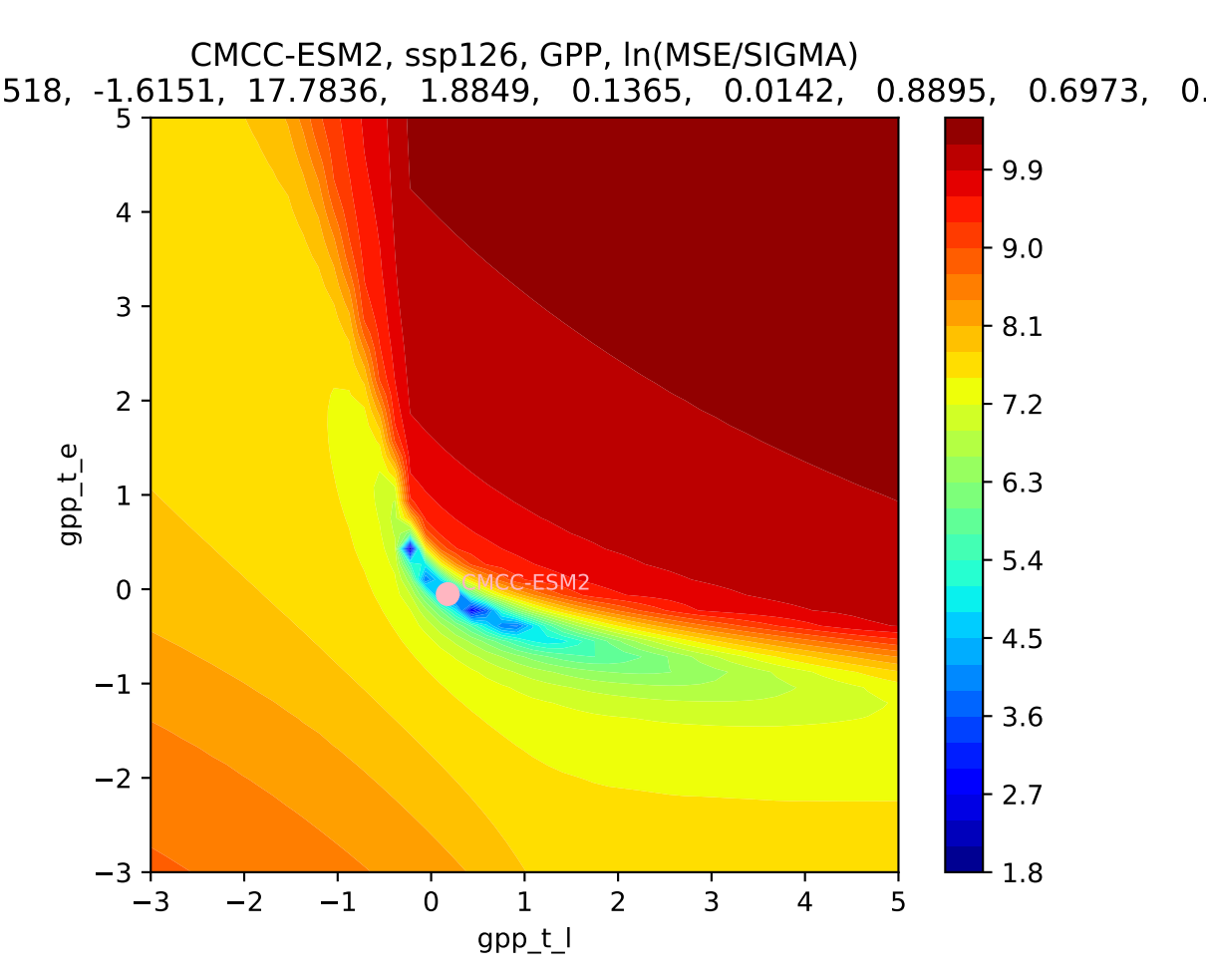

CMCC-ESM2, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
Year

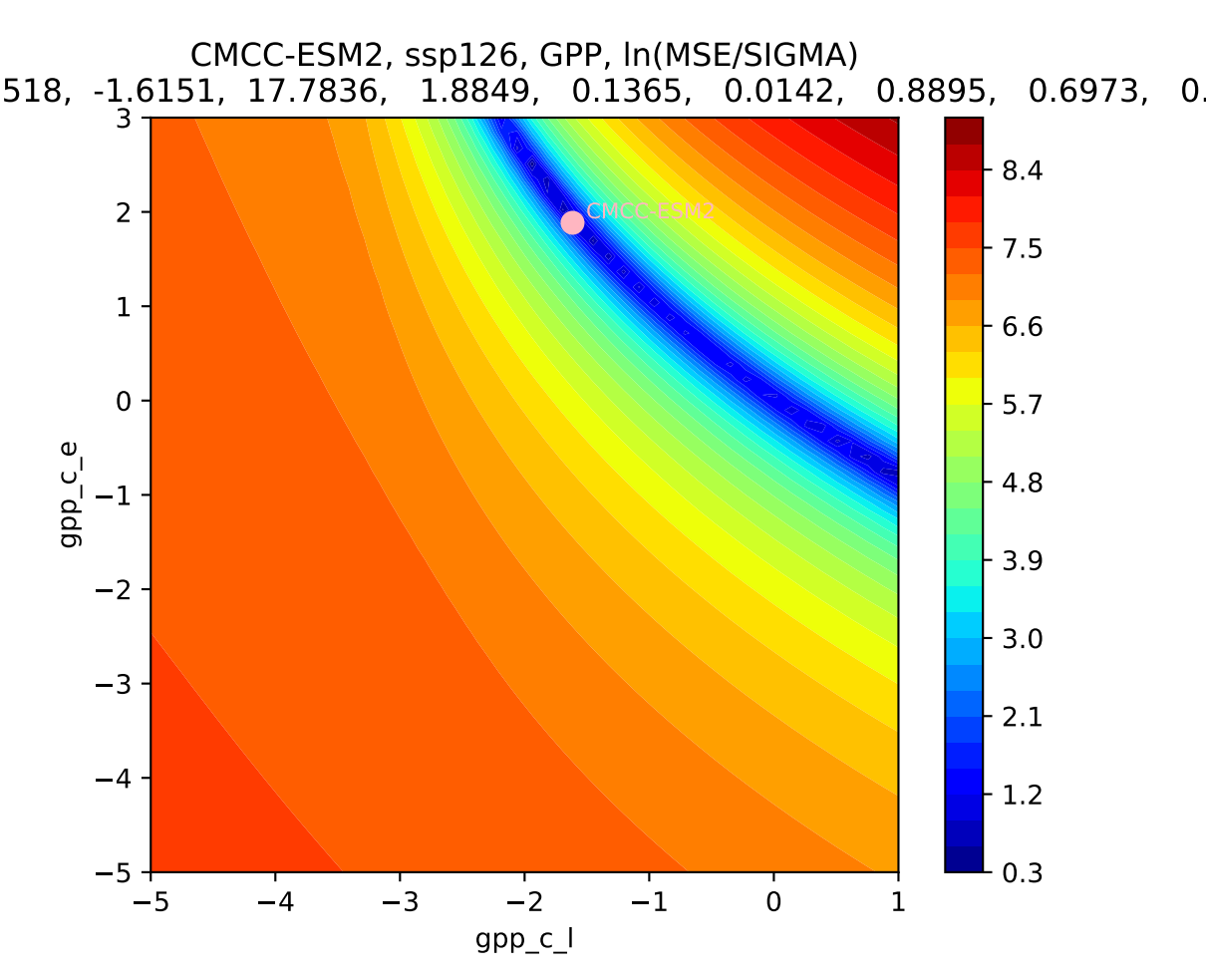

CMCC-ESM2, ssp126, GPP
ESM
Fit
GPP
ΔT

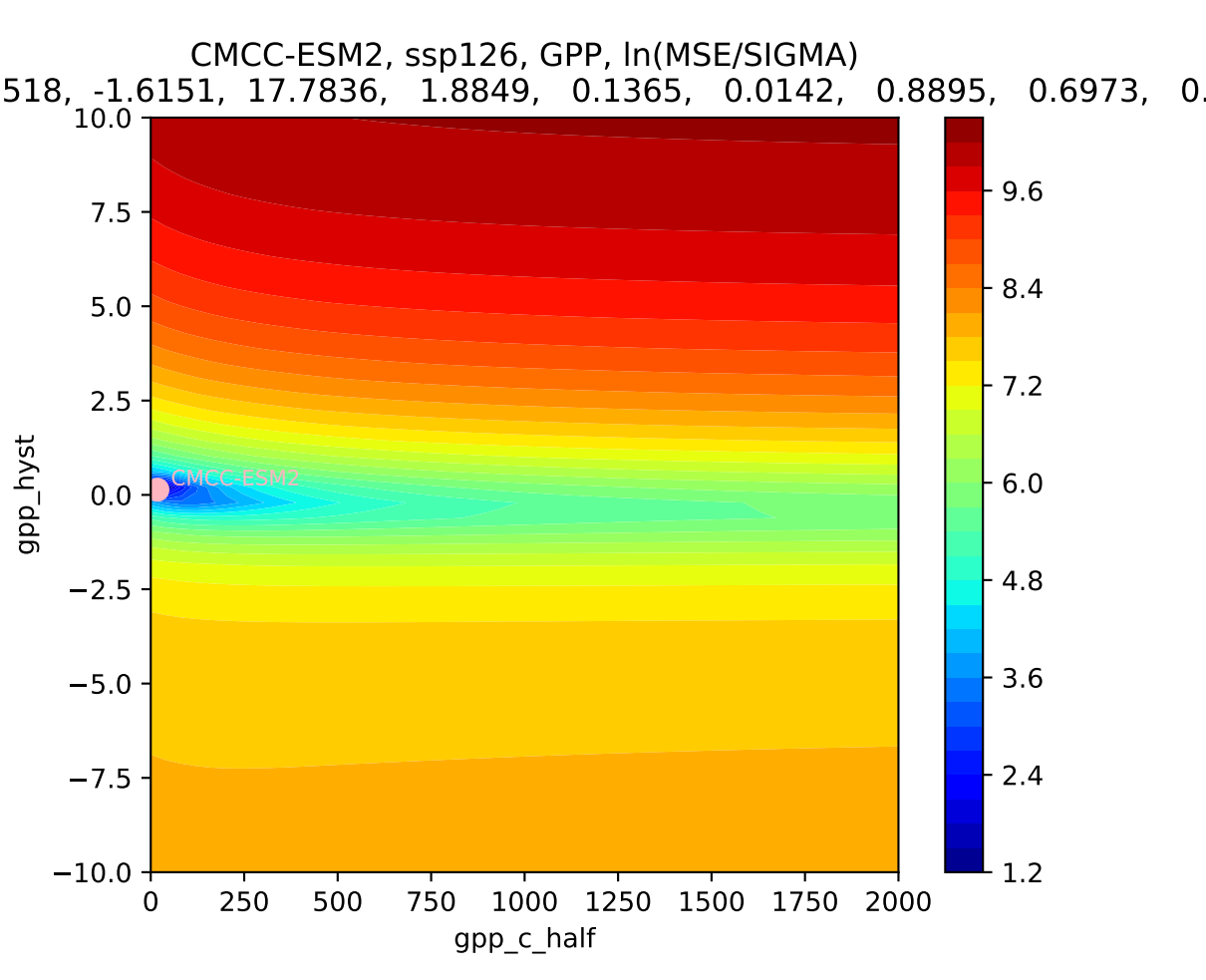

CMCC-ESM2, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

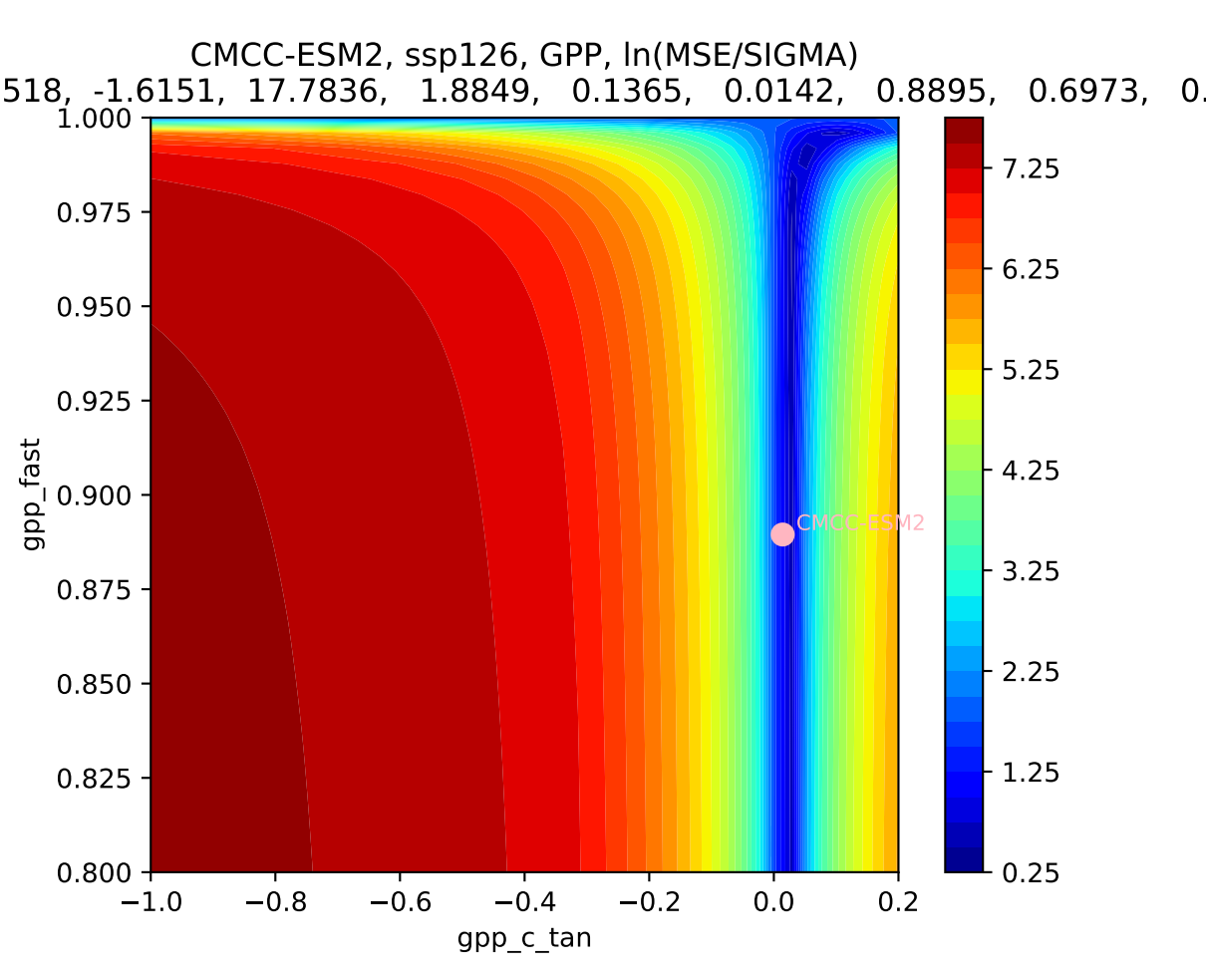

CMCC-ESM2, ssp126, GPP
ESM
Fit
GPP
c_atm

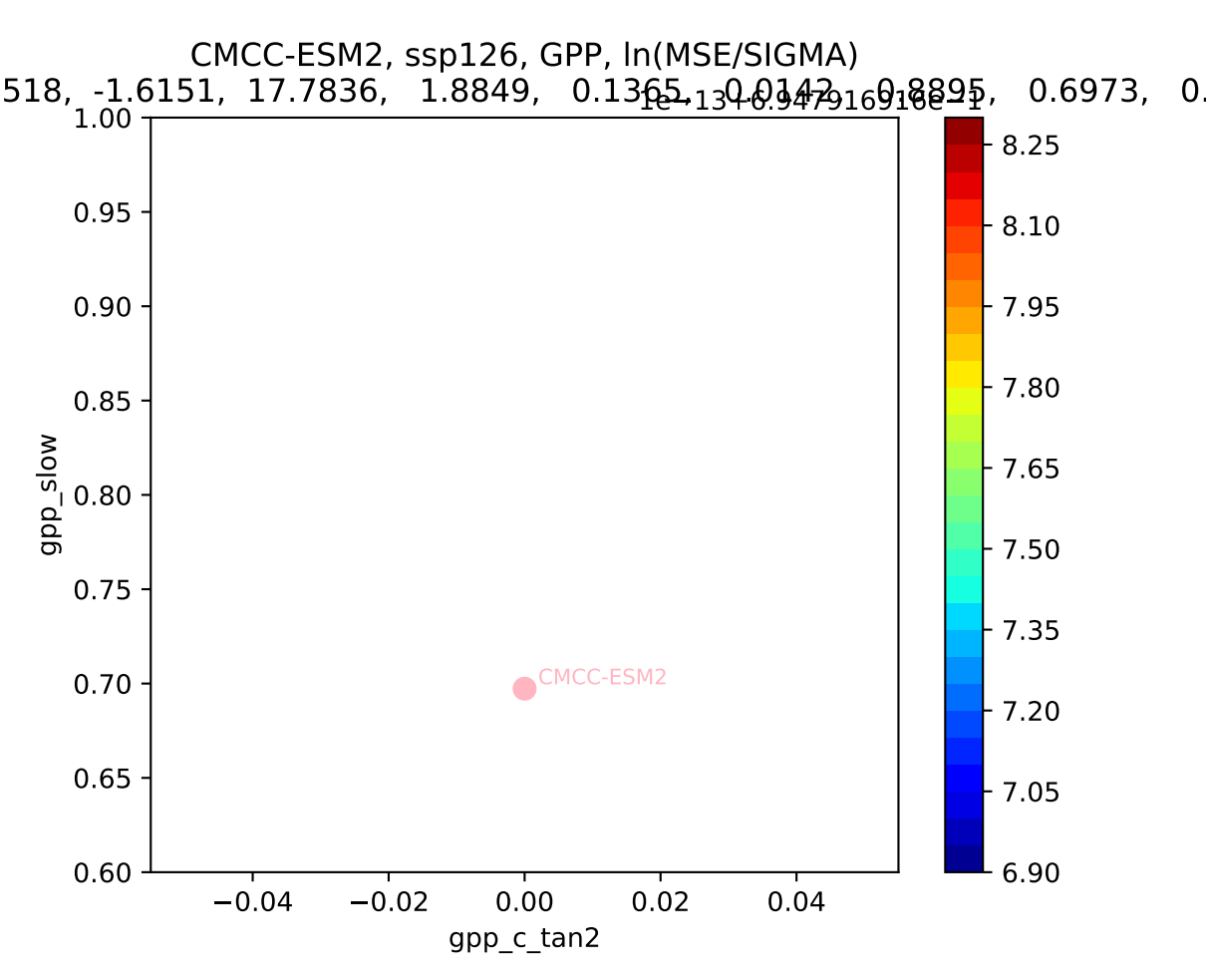

CMCC-ESM2, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

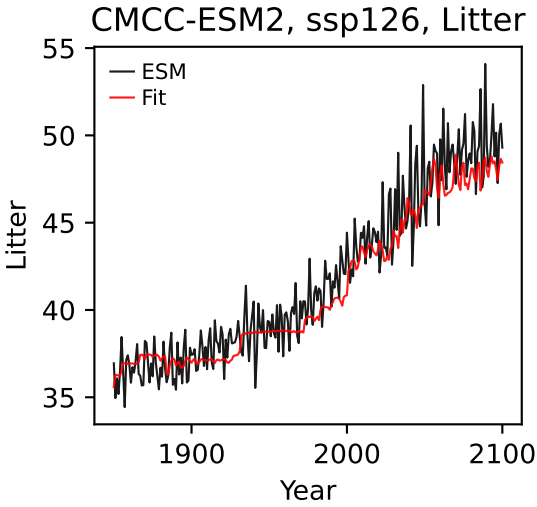

CMCC-ESM2, ssp126, GPP, ln(MSE/SIGMA)
518, -1.6151, 17.7836, 1.8849, 0.1365, 0.0142, 0.8895, 0.6973, 0.
CMCC-ESM2
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
9.9
9.0
8.1
7.2
6.3
5.4
4.5
3.6
2.7
1.8

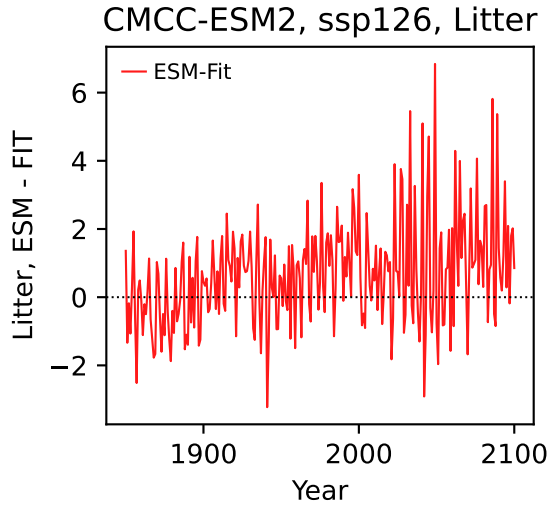

CMCC-ESM2, ssp126, GPP, ln(MSE/SIGMA)
518, -1.6151, 17.7836, 1.8849, 0.1365, 0.0142, 0.8895, 0.6973, 0.
CMCC-ESM2
gpp_c_e
gpp_c_l
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
8.4
7.5
6.6
5.7
4.8
3.9
3.0
2.1
1.2
0.3

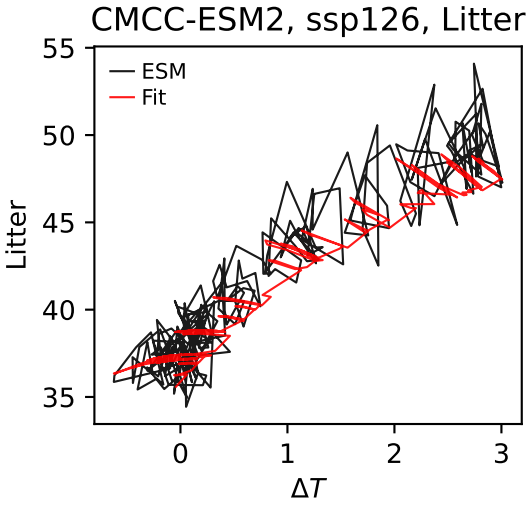

CMCC-ESM2, ssp126, GPP, ln(MSE/SIGMA)
518, -1.6151, 17.7836, 1.8849, 0.1365, 0.0142, 0.8895, 0.6973, 0.
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
gpp_hyst
CMCC-ESM2
0
250
500
750
1000
1250
1500
1750
2000
gpp_c_half
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

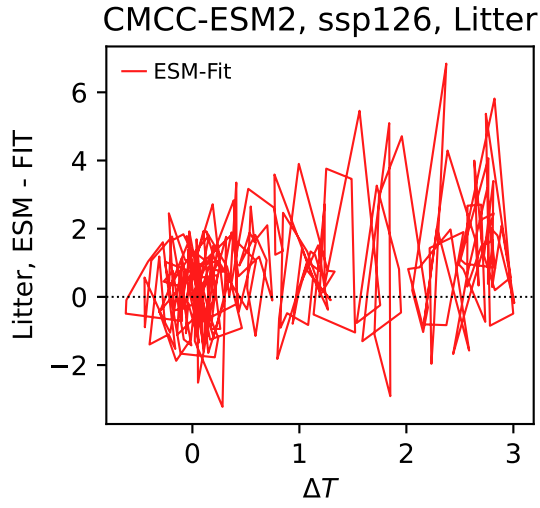

CMCC-ESM2, ssp126, GPP, ln(MSE/SIGMA)
518, -1.6151, 17.7836, 1.8849, 0.1365, 0.0142, 0.8895, 0.6973, 0.
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
gpp_fast
CMCC-ESM2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
gpp_c_tan
7.25
6.25
5.25
4.25
3.25
2.25
1.25
0.25

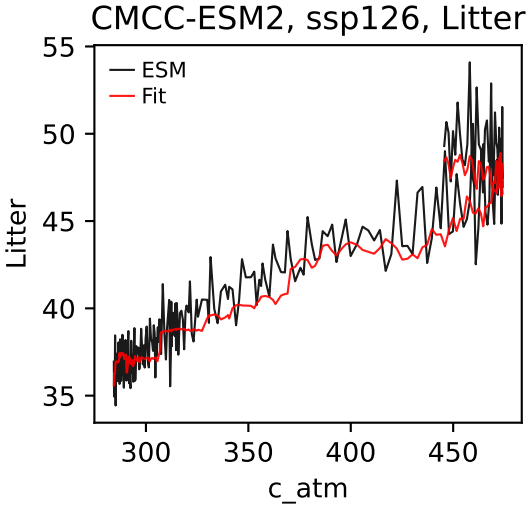

CMCC-ESM2, ssp126, GPP, ln(MSE/SIGMA)
518, -1.6151, 17.7836, 1.8849, 0.1365, 0.0142, 0.8895, 0.6973, 0.
1e+13+6.9479169168e+1
gpp_slow
gpp_c_tan2
CMCC-ESM2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
8.25
8.10
7.95
7.80
7.65
7.50
7.35
7.20
7.05
6.90

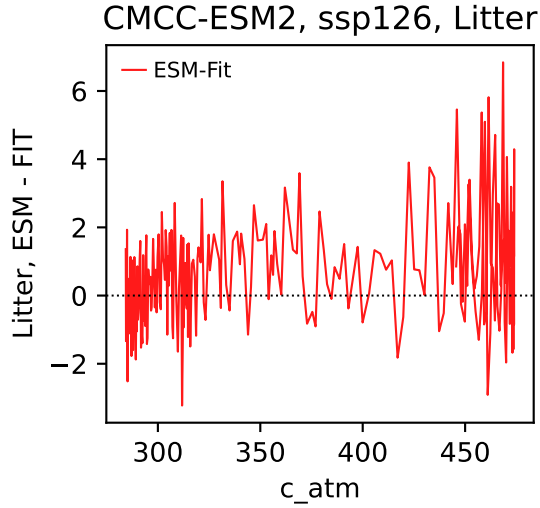

CMCC-ESM2, ssp126, Litter
ESM
Fit
Litter
Year

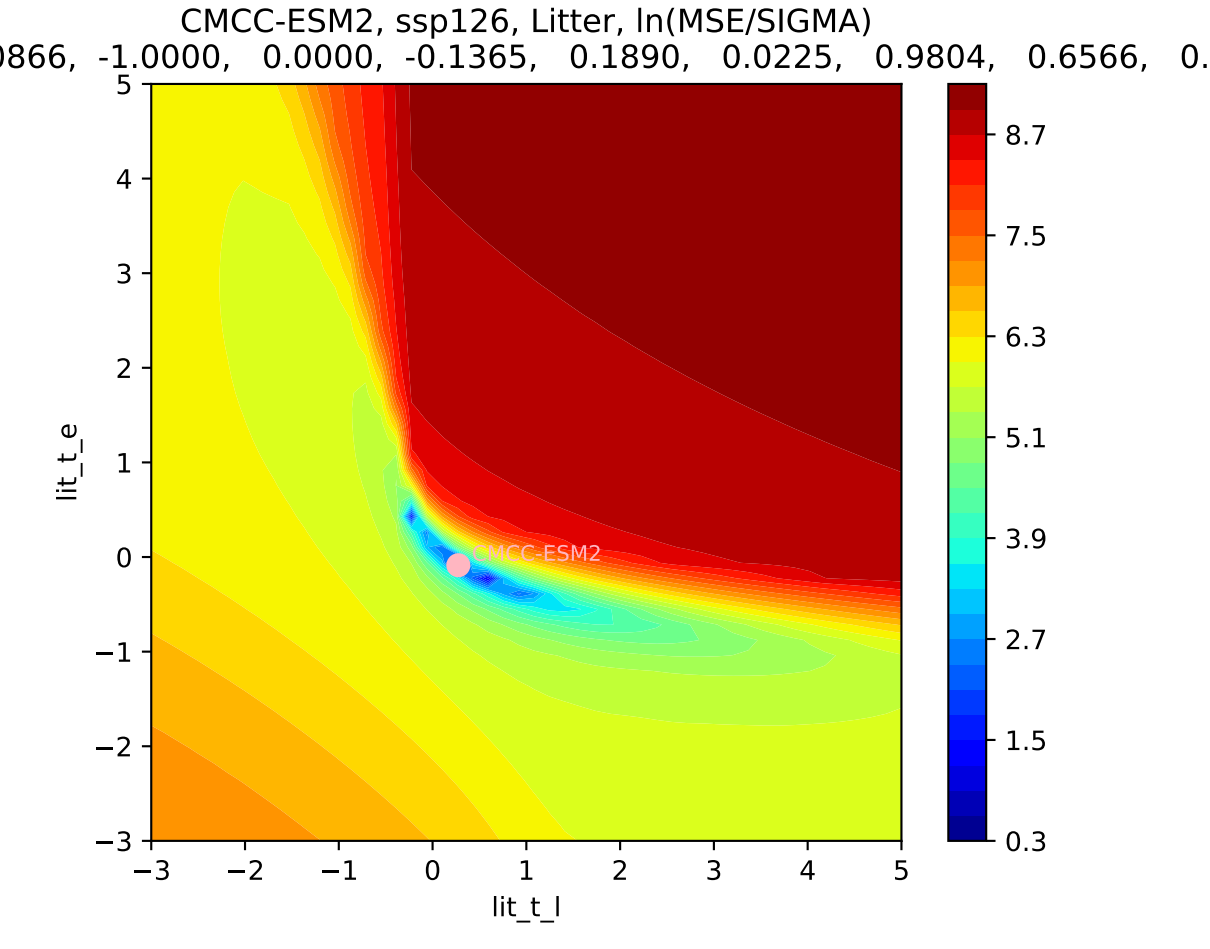

CMCC-ESM2, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
Year

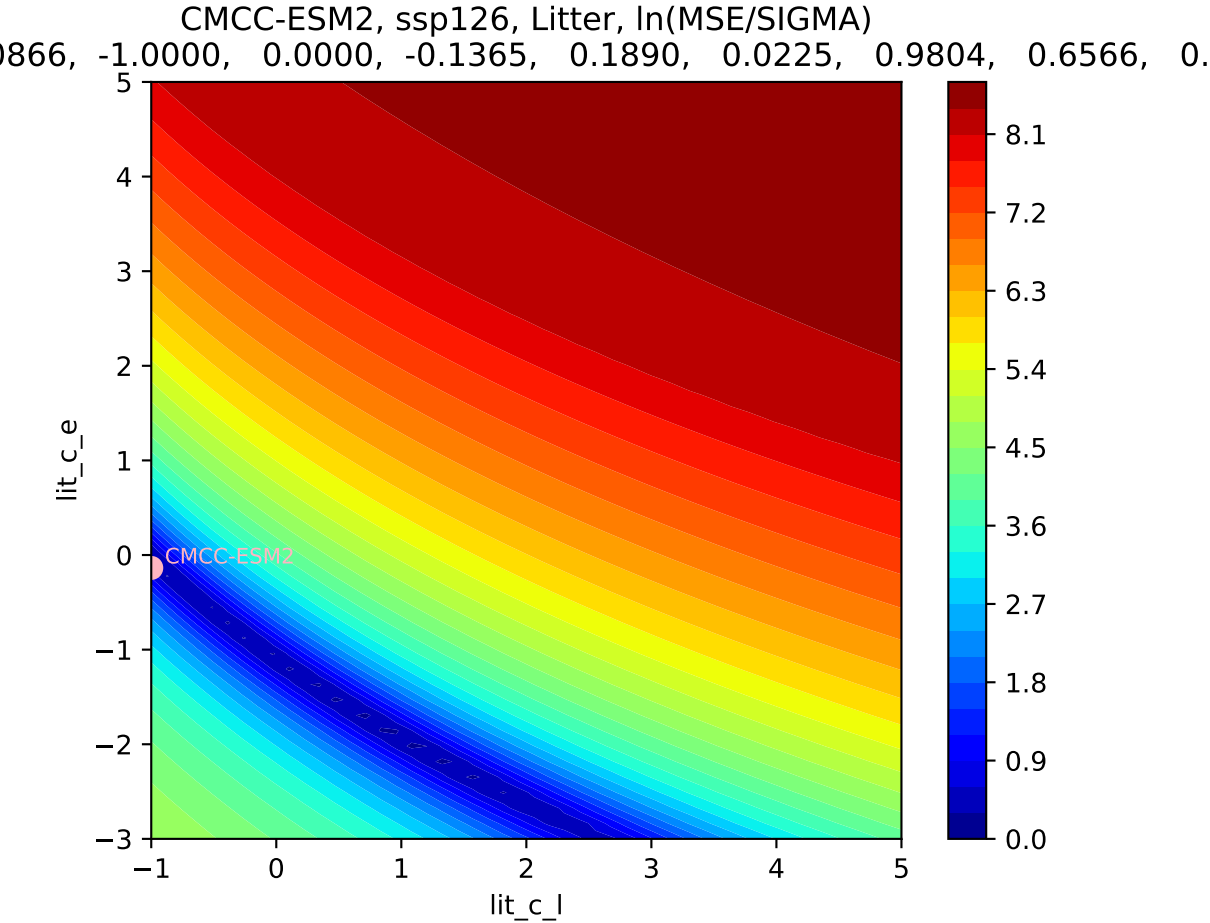

CMCC-ESM2, ssp126, Litter
ESM
Fit
Litter
ΔT

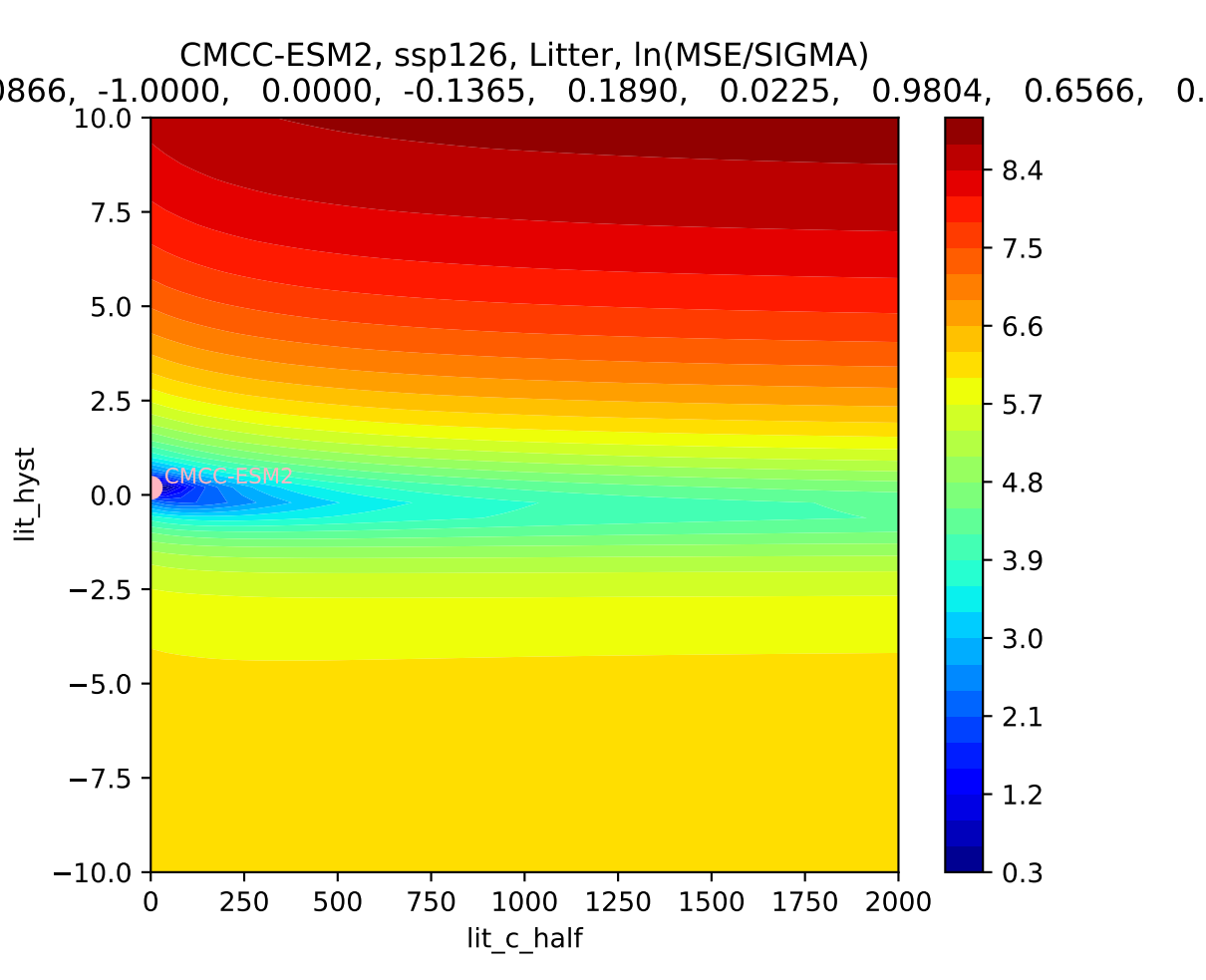

CMCC-ESM2, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

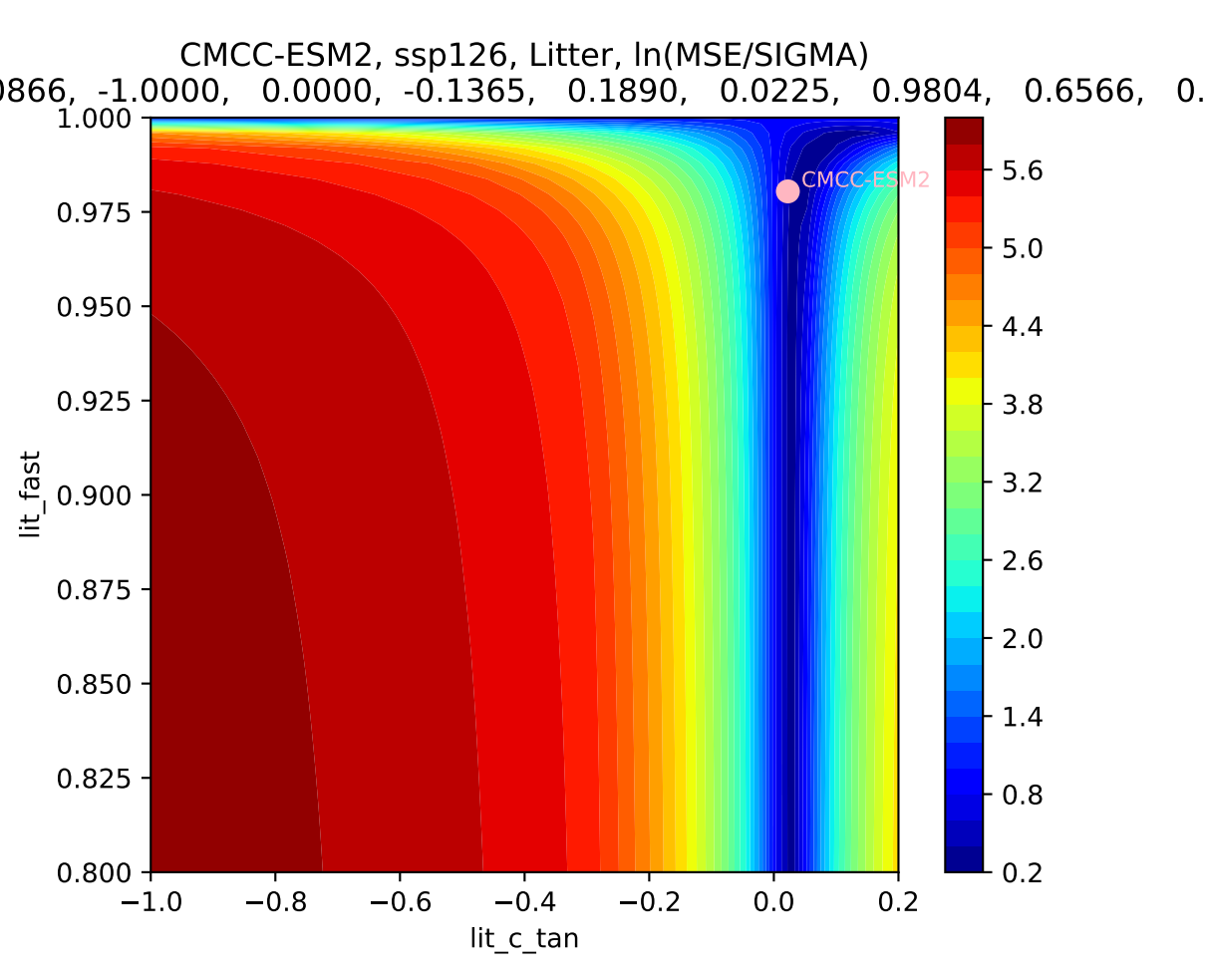

CMCC-ESM2, ssp126, Litter
ESM
Fit
Litter
c_atm

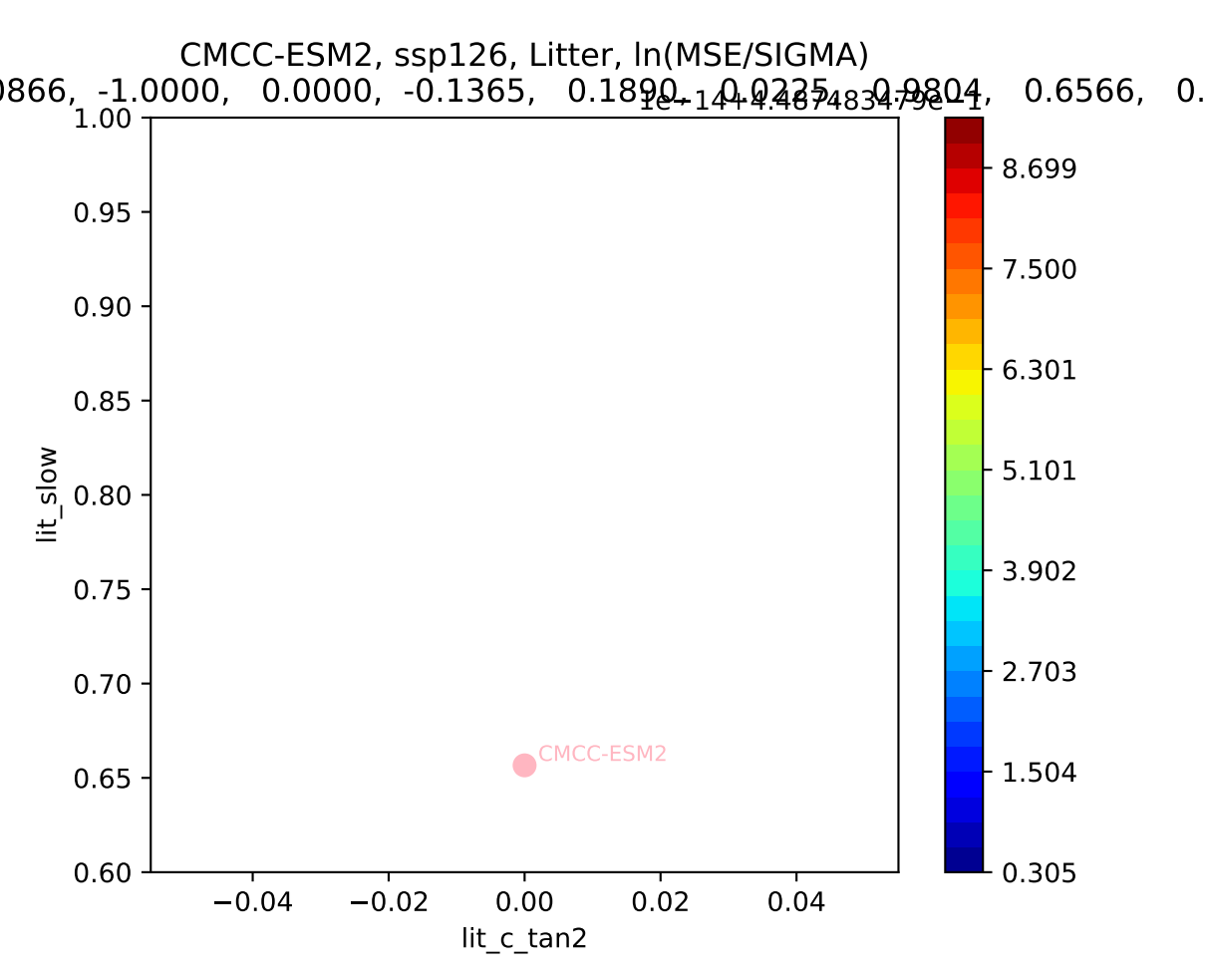

CMCC-ESM2, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

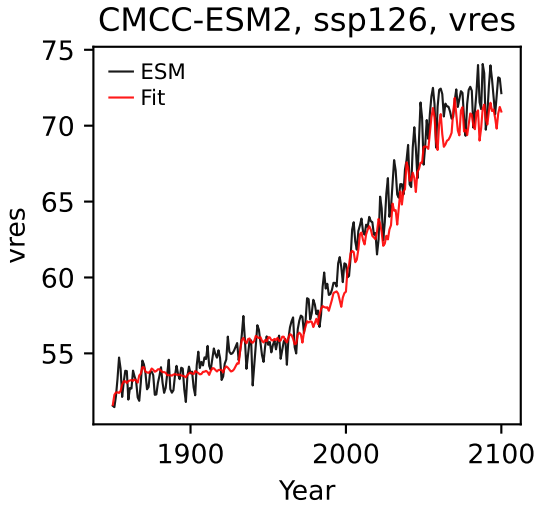

CMCC-ESM2, ssp126, Litter, ln(MSE/SIGMA)
0866, -1.0000, 0.0000, -0.1365, 0.1890, 0.0225, 0.9804, 0.6566, 0.
CMCC-ESM2
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
8.7
7.5
6.3
5.1
3.9
2.7
1.5
0.3

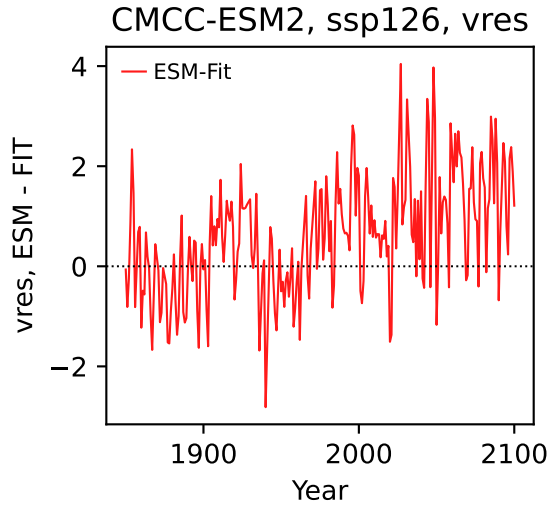

CMCC-ESM2, ssp126, Litter, ln(MSE/SIGMA)
0866, -1.0000, 0.0000, -0.1365, 0.1890, 0.0225, 0.9804, 0.6566, 0.
CMCC-ESM2
lit_c_e
lit_c_l
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
8.1
7.2
6.3
5.4
4.5
3.6
2.7
1.8
0.9
0.0

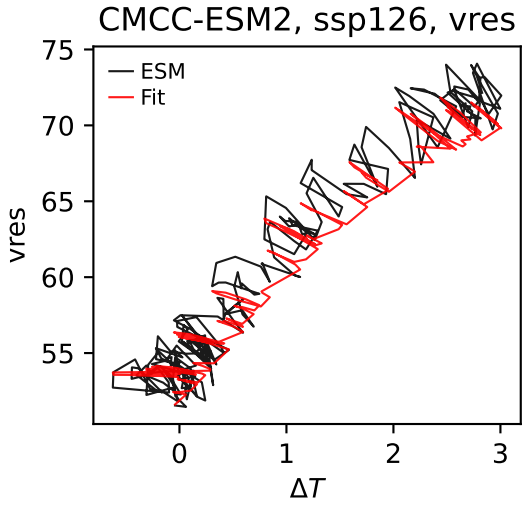

CMCC-ESM2, ssp126, Litter, ln(MSE/SIGMA)
0866, -1.0000, 0.0000, -0.1365, 0.1890, 0.0225, 0.9804, 0.6566, 0.
CMCC-ESM2
lit_hyst
lit_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
8.4
7.5
6.6
5.7
4.8
3.9
3.0
2.1
1.2
0.3

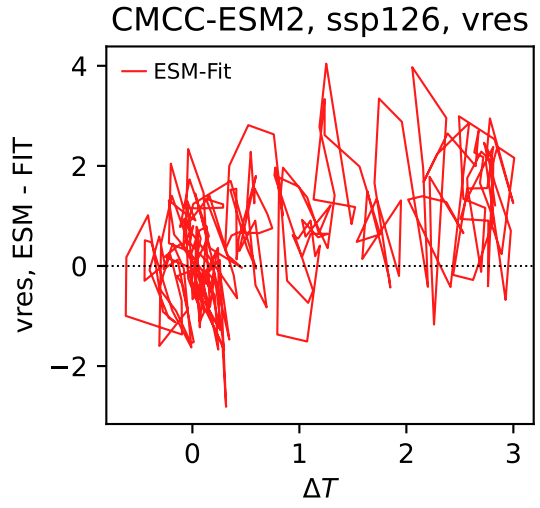

CMCC-ESM2, ssp126, Litter, ln(MSE/SIGMA)
0866, -1.0000, 0.0000, -0.1365, 0.1890, 0.0225, 0.9804, 0.6566, 0.
CMCC-ESM2
lit_fast
lit_c_tan
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
5.6
5.0
4.4
3.8
3.2
2.6
2.0
1.4
0.8
0.2

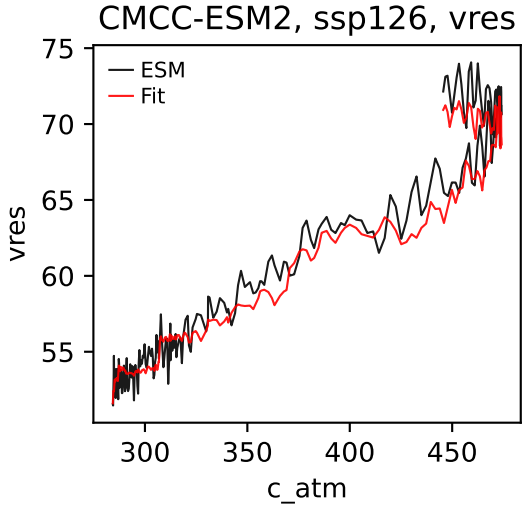

CMCC-ESM2, ssp126, Litter, ln(MSE/SIGMA)
0866, -1.0000, 0.0000, -0.1365, 0.1890, 0.0225, 0.9804, 0.6566, 0.
1e-14+4.487483479e-1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
−0.04
−0.02
0.00
0.02
0.04
lit_c_tan2
CMCC-ESM2
8.699
7.500
6.301
5.101
3.902
2.703
1.504
0.305

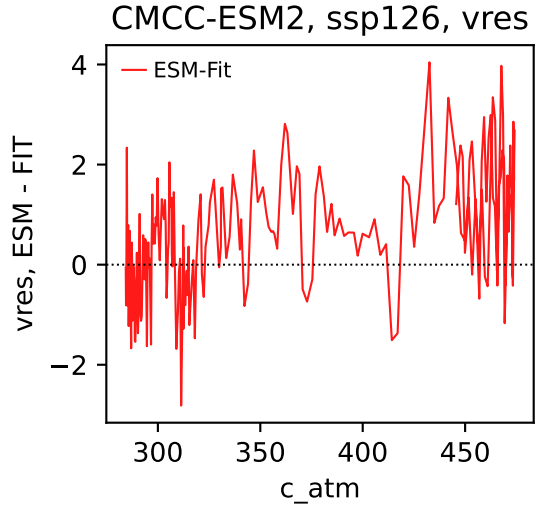

CMCC-ESM2, ssp126, vres
ESM
Fit
vres
Year

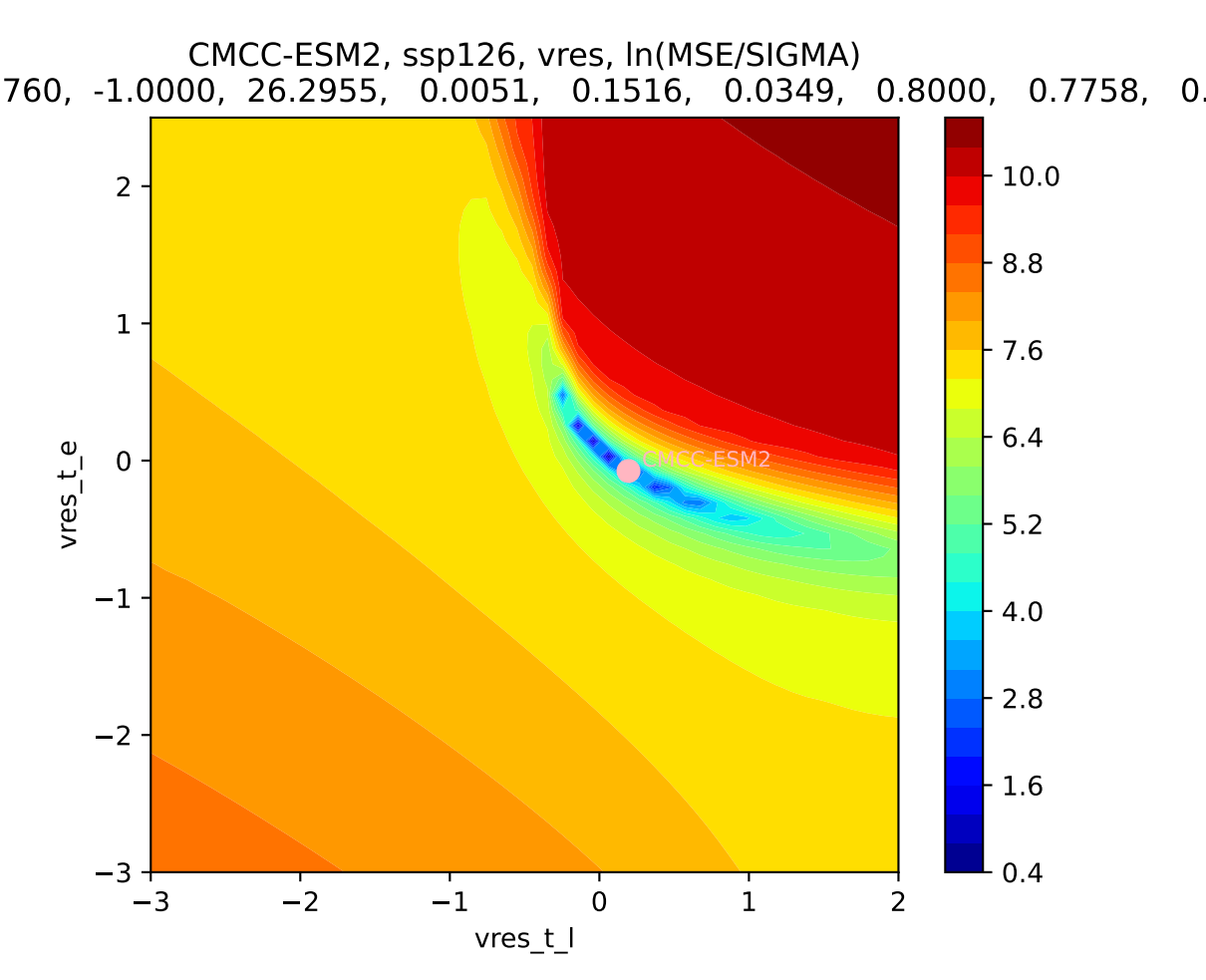

CMCC-ESM2, ssp126, vres
ESM-Fit
vres, ESM - FIT
Year

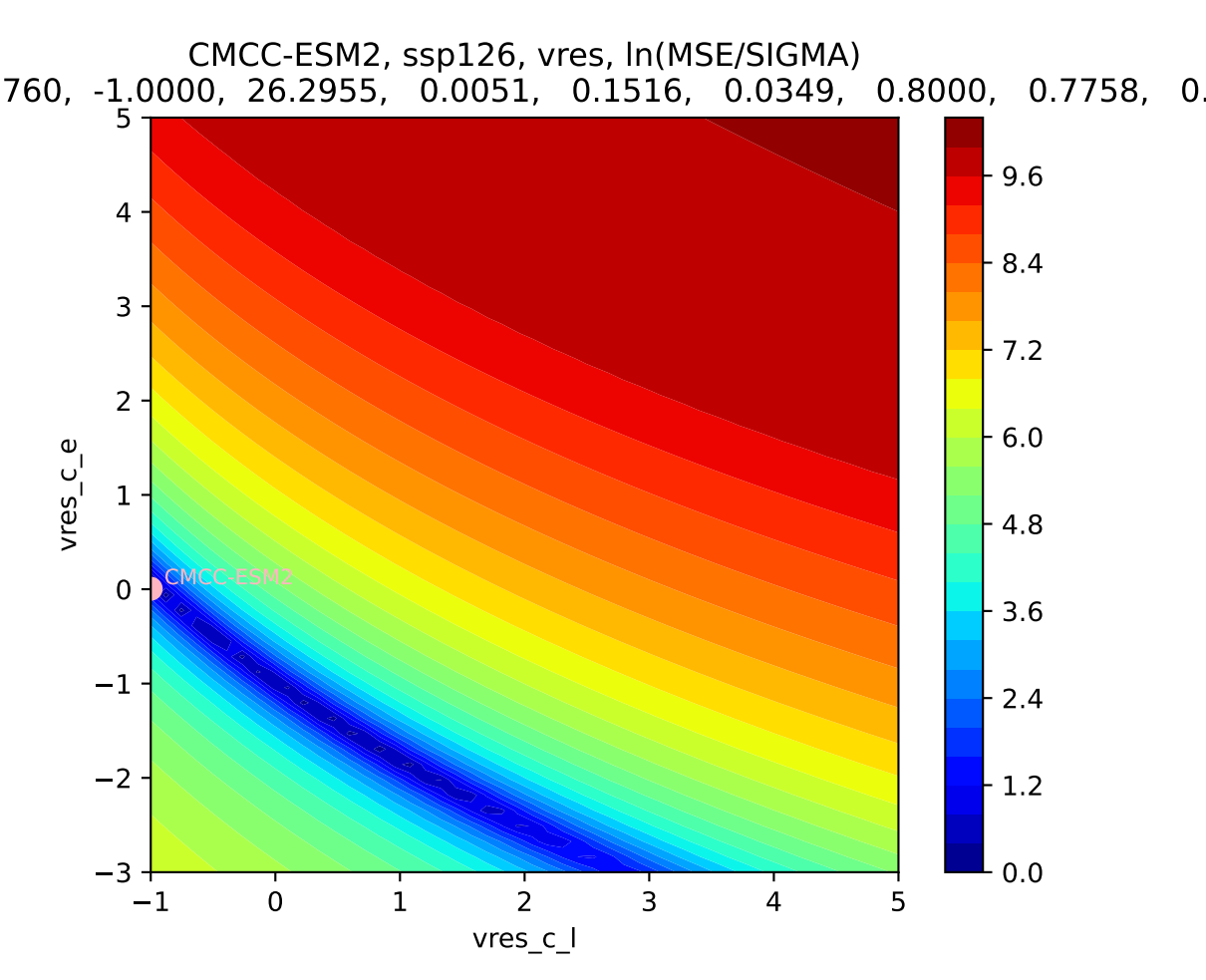

CMCC-ESM2, ssp126, vres
ESM
Fit
vres
ΔT

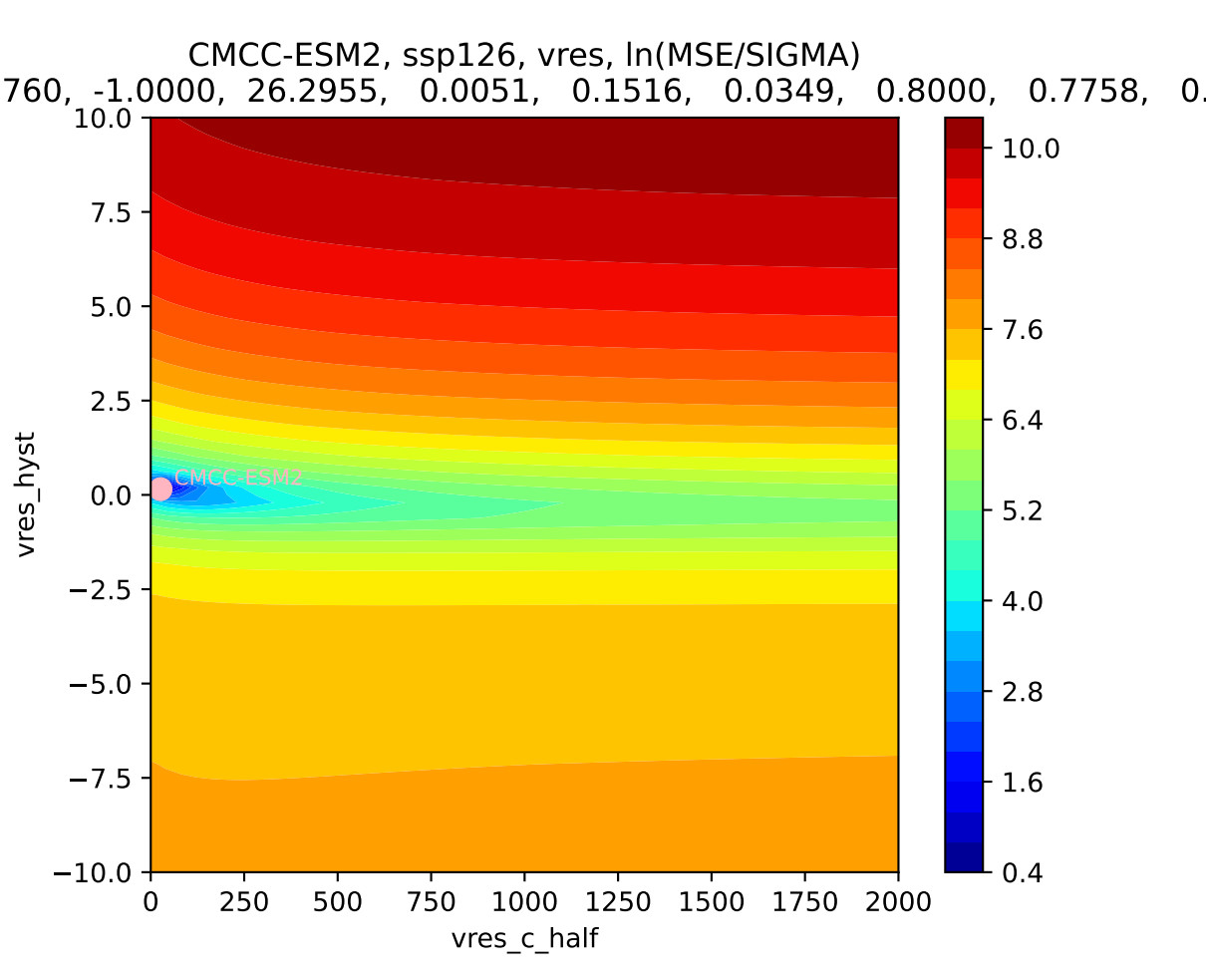

CMCC-ESM2, ssp126, vres
ESM-Fit
vres, ESM - FIT
ΔT

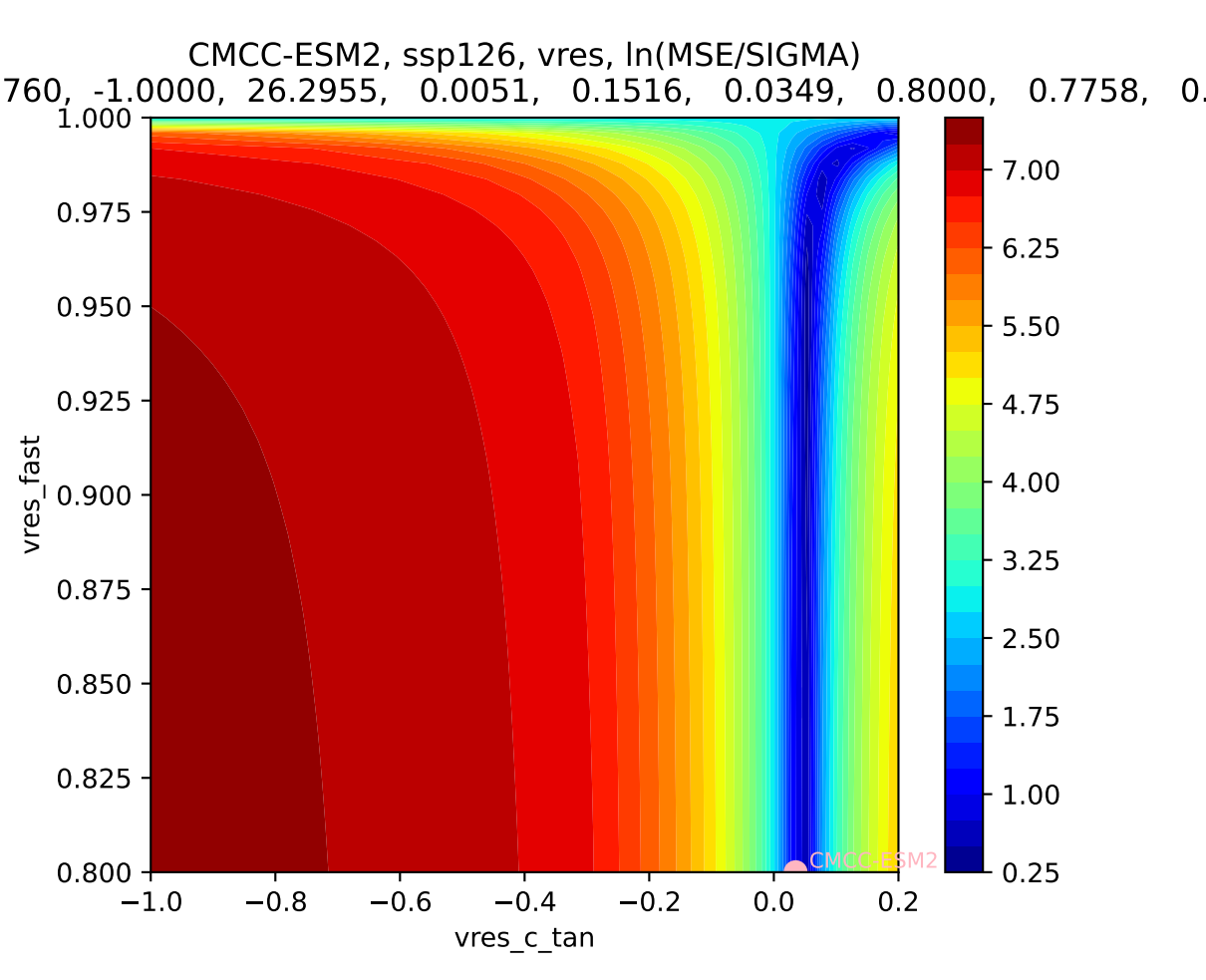

CMCC-ESM2, ssp126, vres
ESM
Fit
vres
c_atm

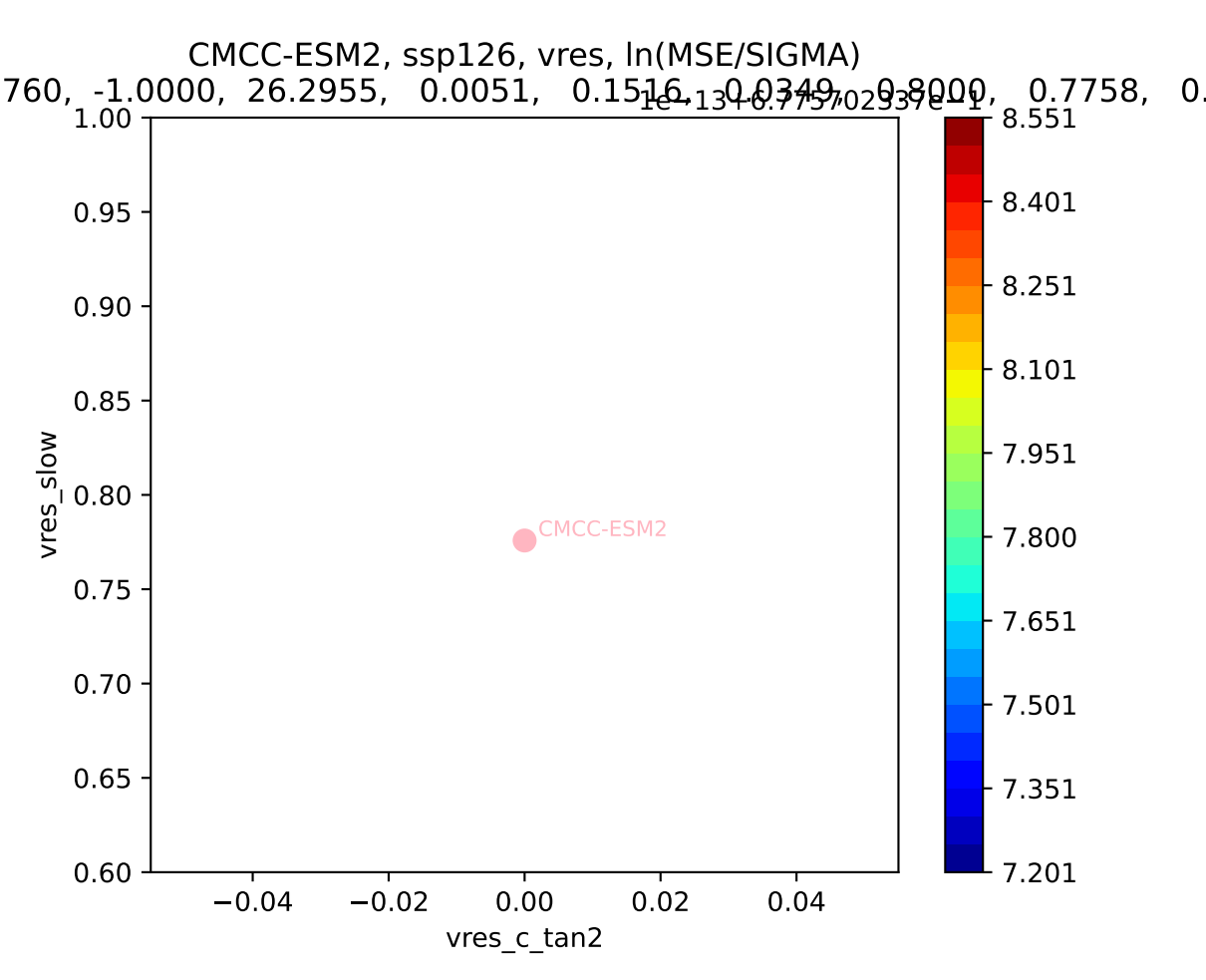

CMCC-ESM2, ssp126, vres
ESM-Fit
vres, ESM - FIT
c_atm

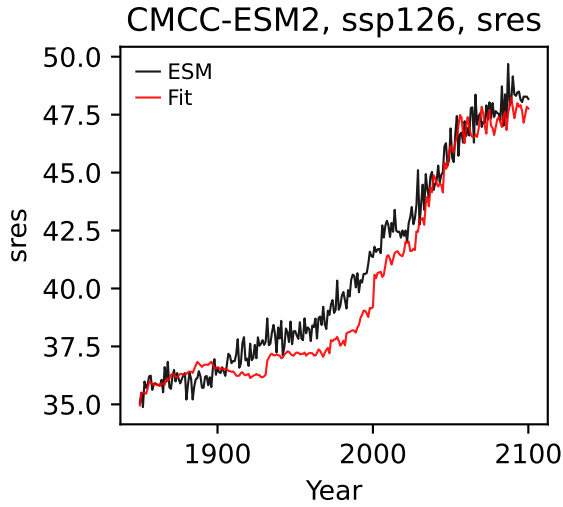

CMCC-ESM2, ssp126, vres, ln(MSE/SIGMA)
760, -1.0000, 26.2955, 0.0051, 0.1516, 0.0349, 0.8000, 0.7758, 0.
CMCC-ESM2
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

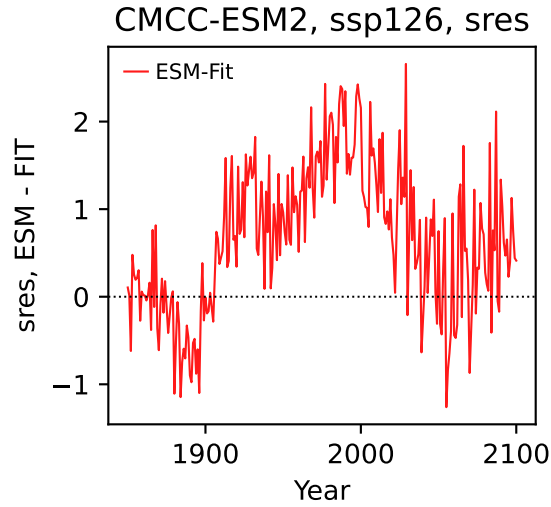

CMCC-ESM2, ssp126, vres, ln(MSE/SIGMA)
760, -1.0000, 26.2955, 0.0051, 0.1516, 0.0349, 0.8000, 0.7758, 0.
vres_c_e
vres_c_l
CMCC-ESM2
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

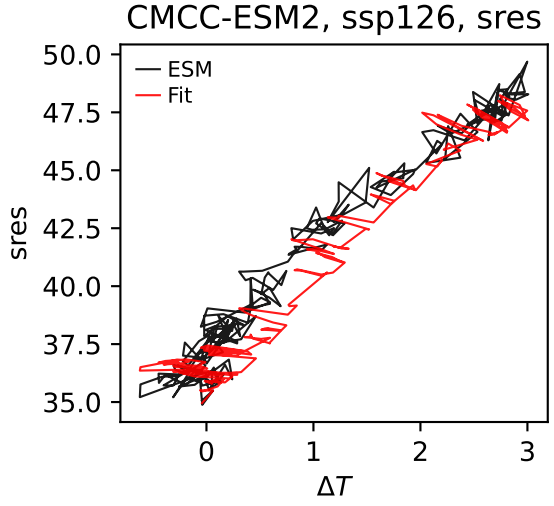

CMCC-ESM2, ssp126, vres, ln(MSE/SIGMA)
760, -1.0000, 26.2955, 0.0051, 0.1516, 0.0349, 0.8000, 0.7758, 0.
CMCC-ESM2
vres_hyst
vres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

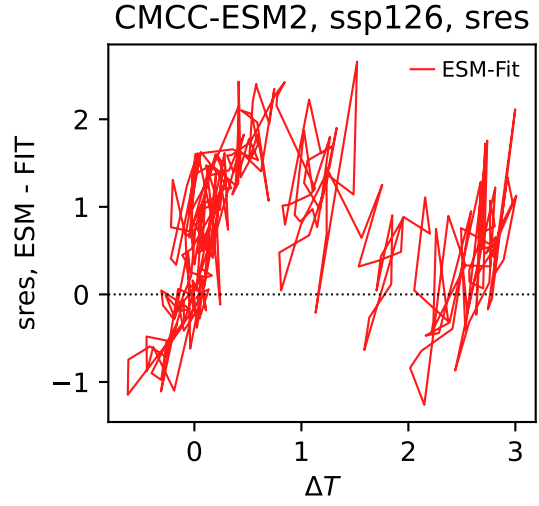

CMCC-ESM2, ssp126, vres, ln(MSE/SIGMA)
760, -1.0000, 26.2955, 0.0051, 0.1516, 0.0349, 0.8000, 0.7758, 0.
vres_fast
vres_c_tan
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00
0.25
CMCC-ESM2

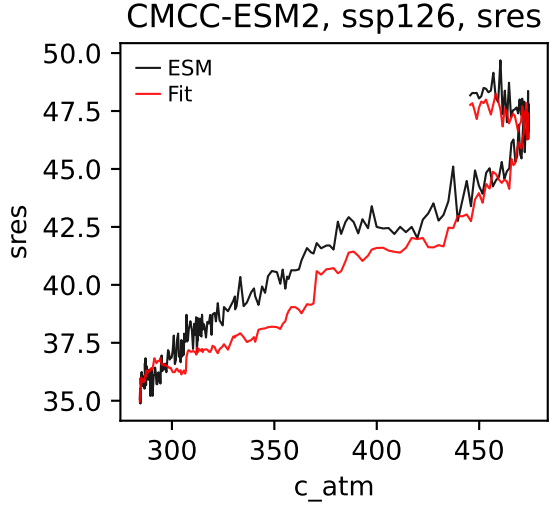

CMCC-ESM2, ssp126, vres, ln(MSE/SIGMA)
760, -1.0000, 26.2955, 0.0051, 0.1516, 0.0349, 0.8000, 0.7758, 0.
1e+13+6.775702537e-1
CMCC-ESM2
vres_slow
vres_c_tan2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
8.551
8.401
8.251
8.101
7.951
7.800
7.651
7.501
7.351
7.201

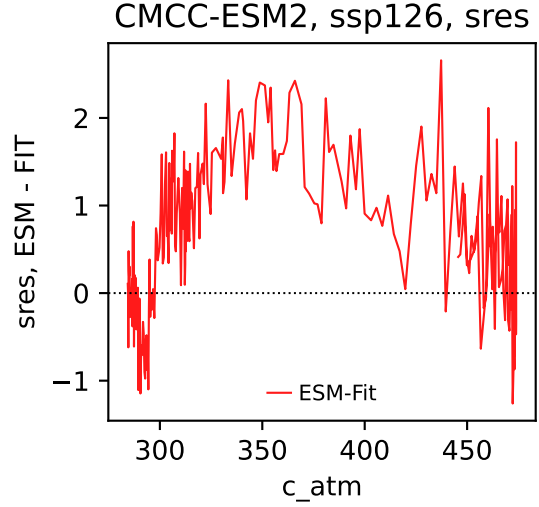

CMCC-ESM2, ssp126, sres
ESM
Fit
sres
Year

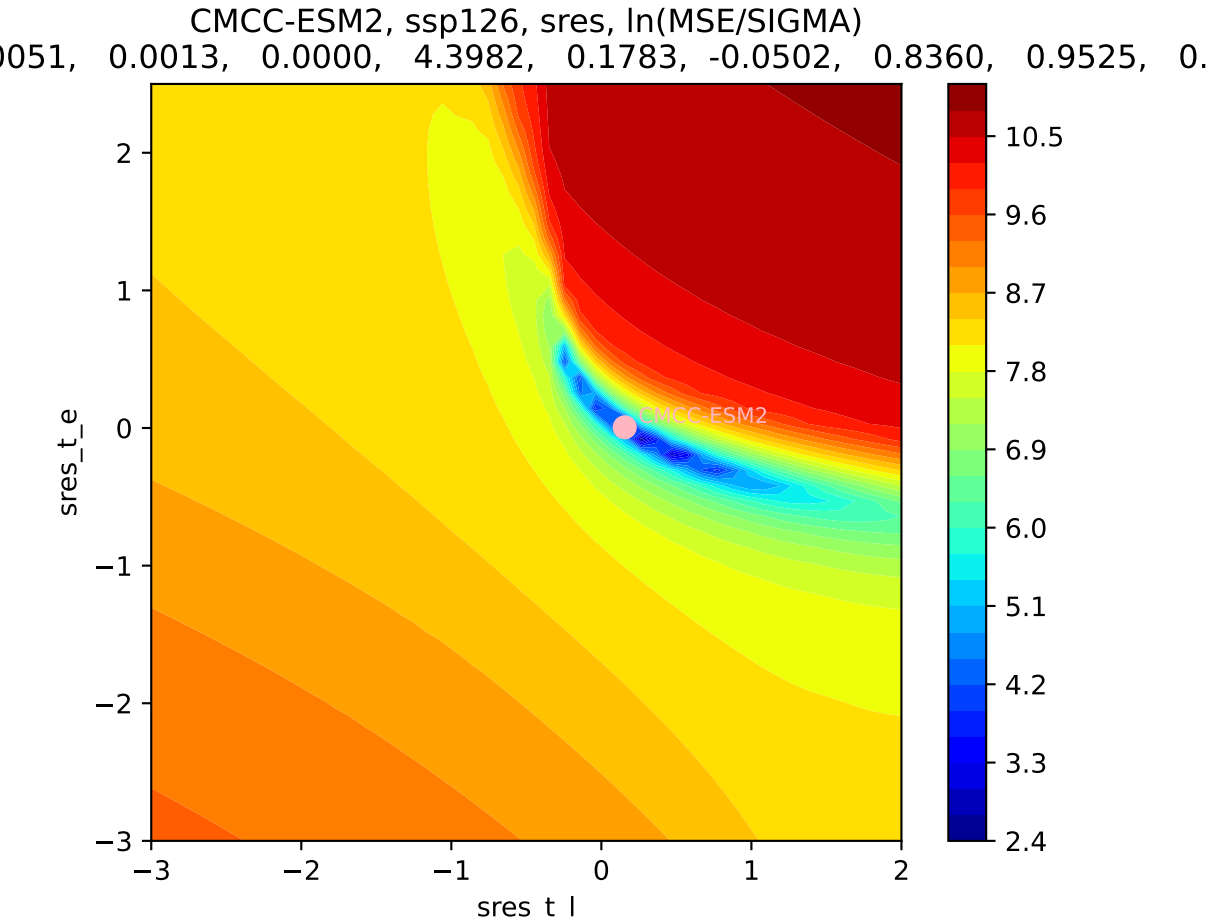

CMCC-ESM2, ssp126, sres
ESM-Fit
sres, ESM - FIT
Year

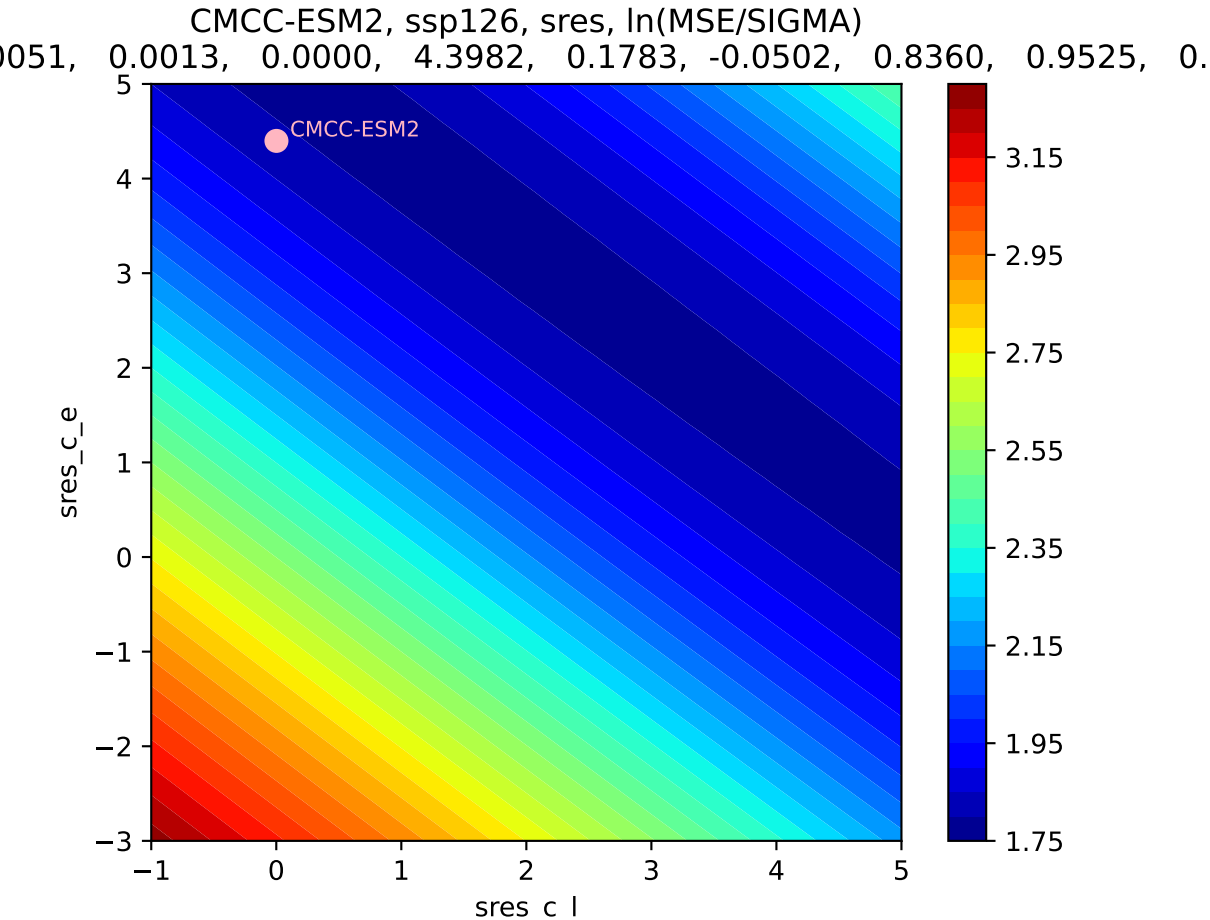

CMCC-ESM2, ssp126, sres
ESM
Fit
sres
ΔT

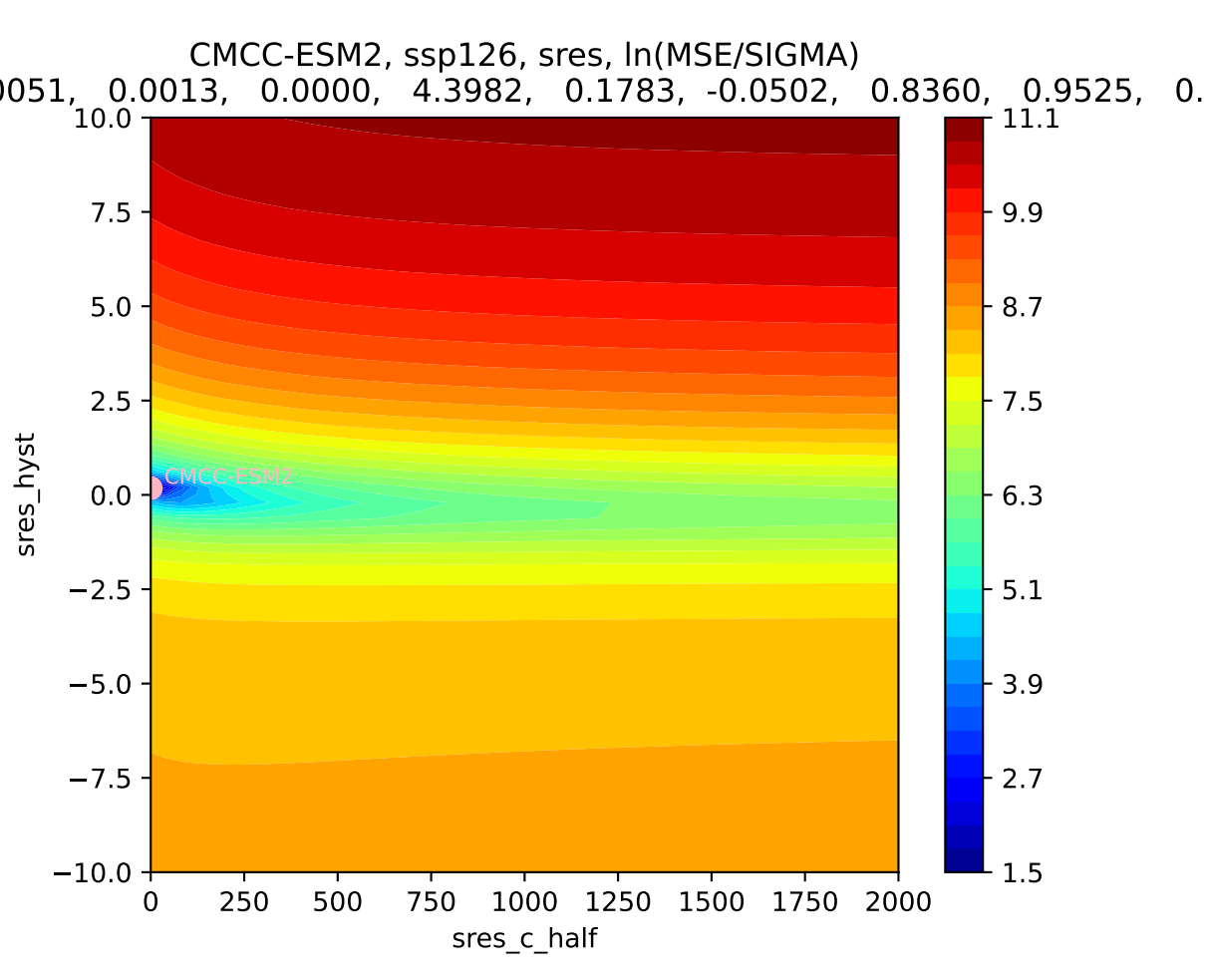

CMCC-ESM2, ssp126, sres
ESM-Fit
sres, ESM - FIT
ΔT

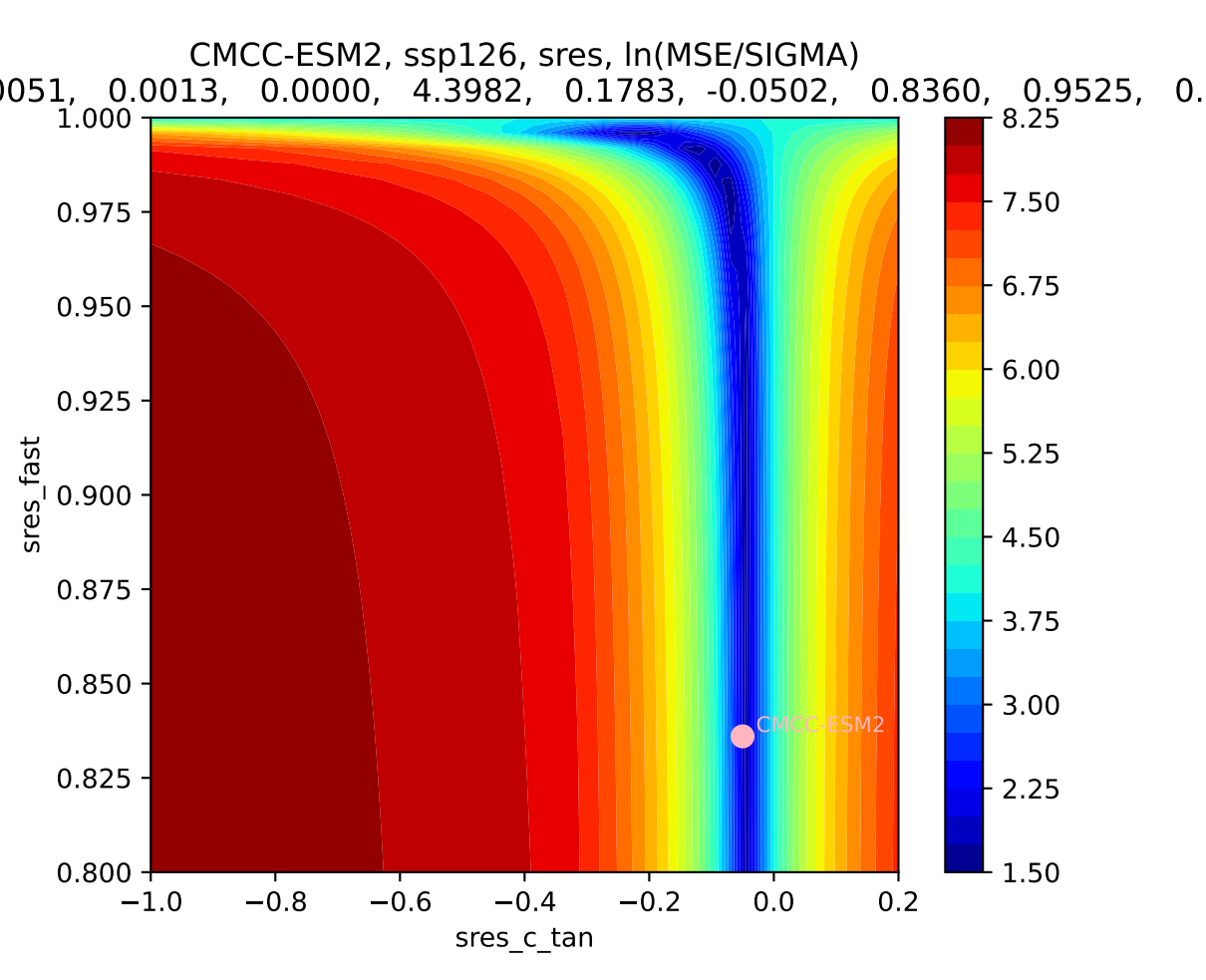

CMCC-ESM2, ssp126, sres
ESM
Fit
sres
c_atm

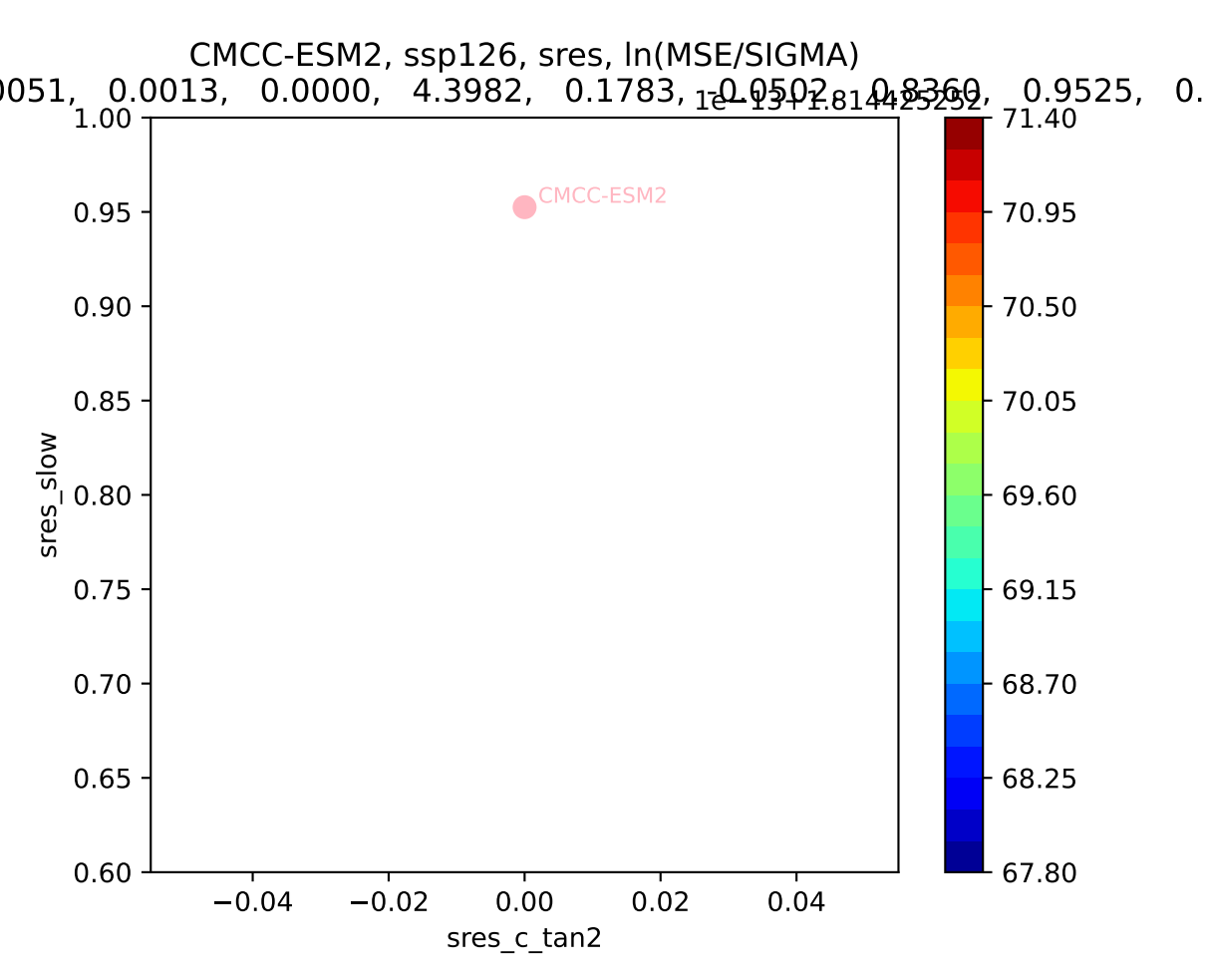

CMCC-ESM2, ssp126, sres
ESM-Fit
sres, ESM - FIT
c_atm

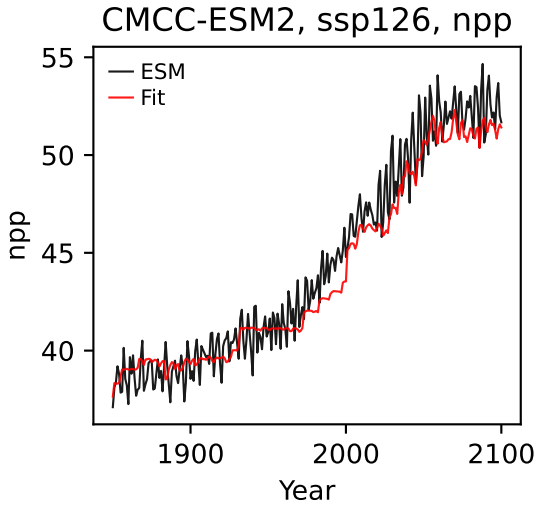

CMCC-ESM2, ssp126, sres, ln(MSE/SIGMA)
0051, 0.0013, 0.0000, 4.3982, 0.1783, -0.0502, 0.8360, 0.9525, 0.
CMCC-ESM2
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
10.5
9.6
8.7
7.8
6.9
6.0
5.1
4.2
3.3
2.4

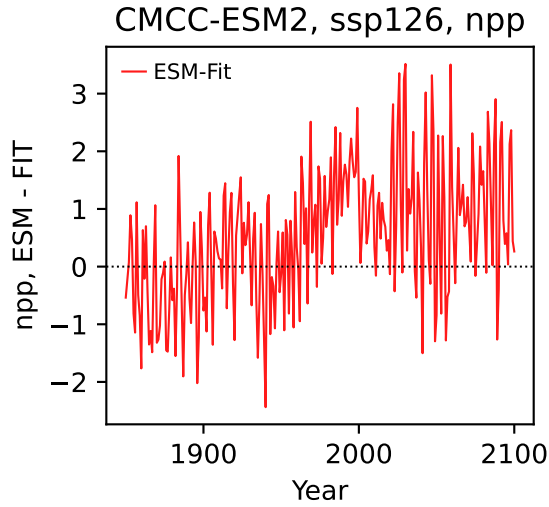

CMCC-ESM2, ssp126, sres, ln(MSE/SIGMA)
0051, 0.0013, 0.0000, 4.3982, 0.1783, -0.0502, 0.8360, 0.9525, 0.
CMCC-ESM2
sres_c_e
sres_c_l
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
3.15
2.95
2.75
2.55
2.35
2.15
1.95
1.75

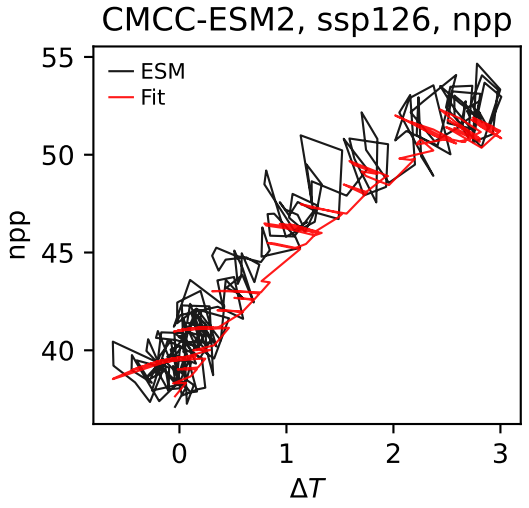

CMCC-ESM2, ssp126, sres, ln(MSE/SIGMA)
0051, 0.0013, 0.0000, 4.3982, 0.1783, -0.0502, 0.8360, 0.9525, 0.
CMCC-ESM2
sres_hyst
sres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
11.1
9.9
8.7
7.5
6.3
5.1
3.9
2.7
1.5

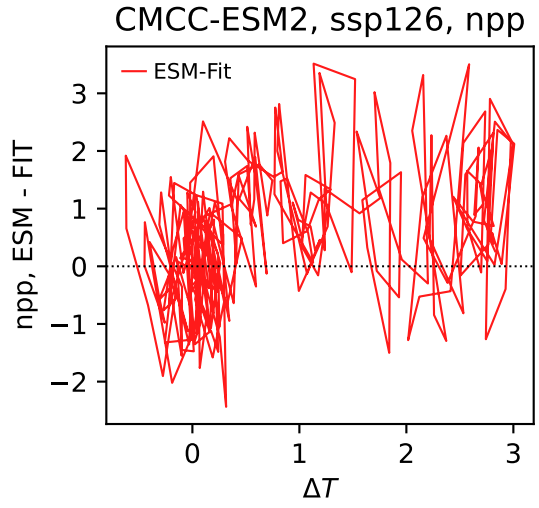

CMCC-ESM2, ssp126, sres, ln(MSE/SIGMA)
0051, 0.0013, 0.0000, 4.3982, 0.1783, -0.0502, 0.8360, 0.9525, 0.
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
sres_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
sres_c_tan
CMCC-ESM2
8.25
7.50
6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50

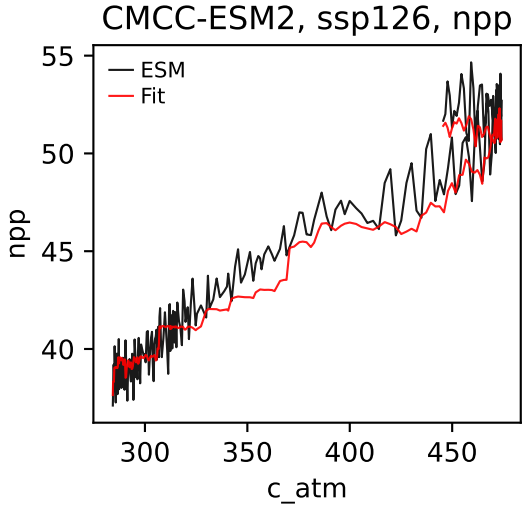

CMCC-ESM2, ssp126, sres, ln(MSE/SIGMA)
0051, 0.0013, 0.0000, 4.3982, 0.1783, −0.0502, 0.8360, 0.9525, 0.
1e−13+1.814425252
CMCC-ESM2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
−0.04
−0.02
0.00
0.02
0.04
sres_c_tan2
71.40
70.95
70.50
70.05
69.60
69.15
68.70
68.25
67.80

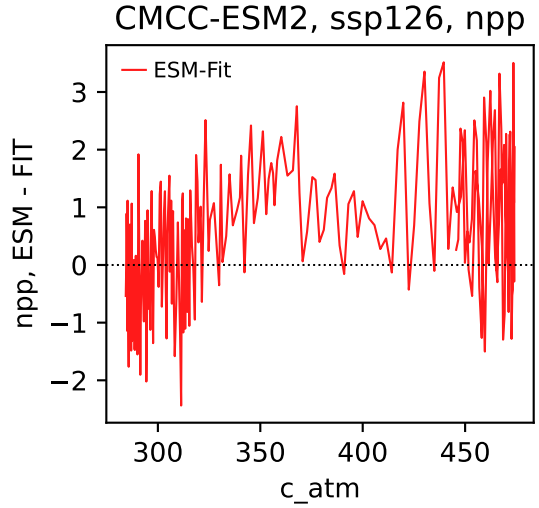

CMCC-ESM2, ssp126, npp
ESM
Fit
npp
Year

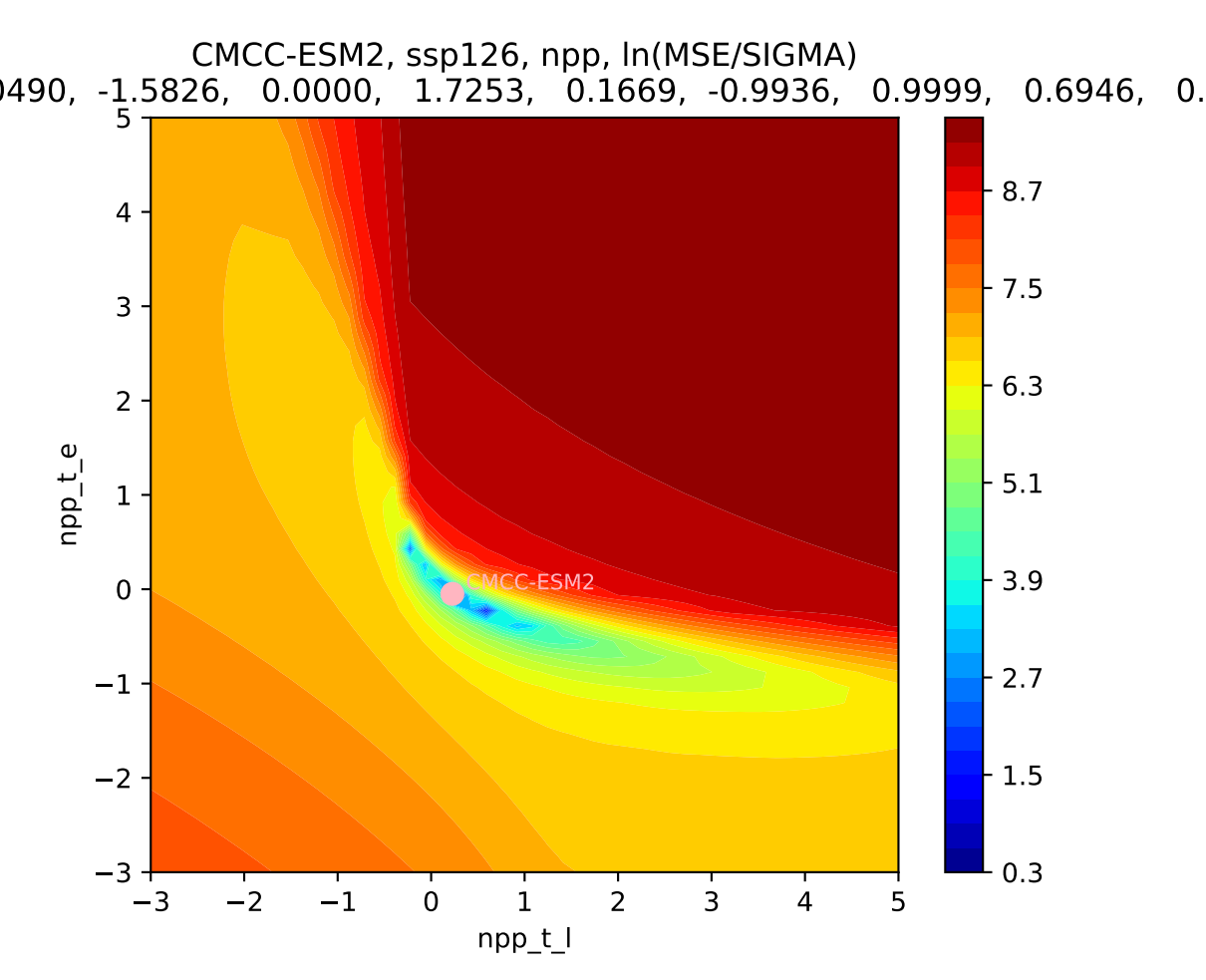

CMCC-ESM2, ssp126, npp
ESM-Fit
npp, ESM - FIT
Year

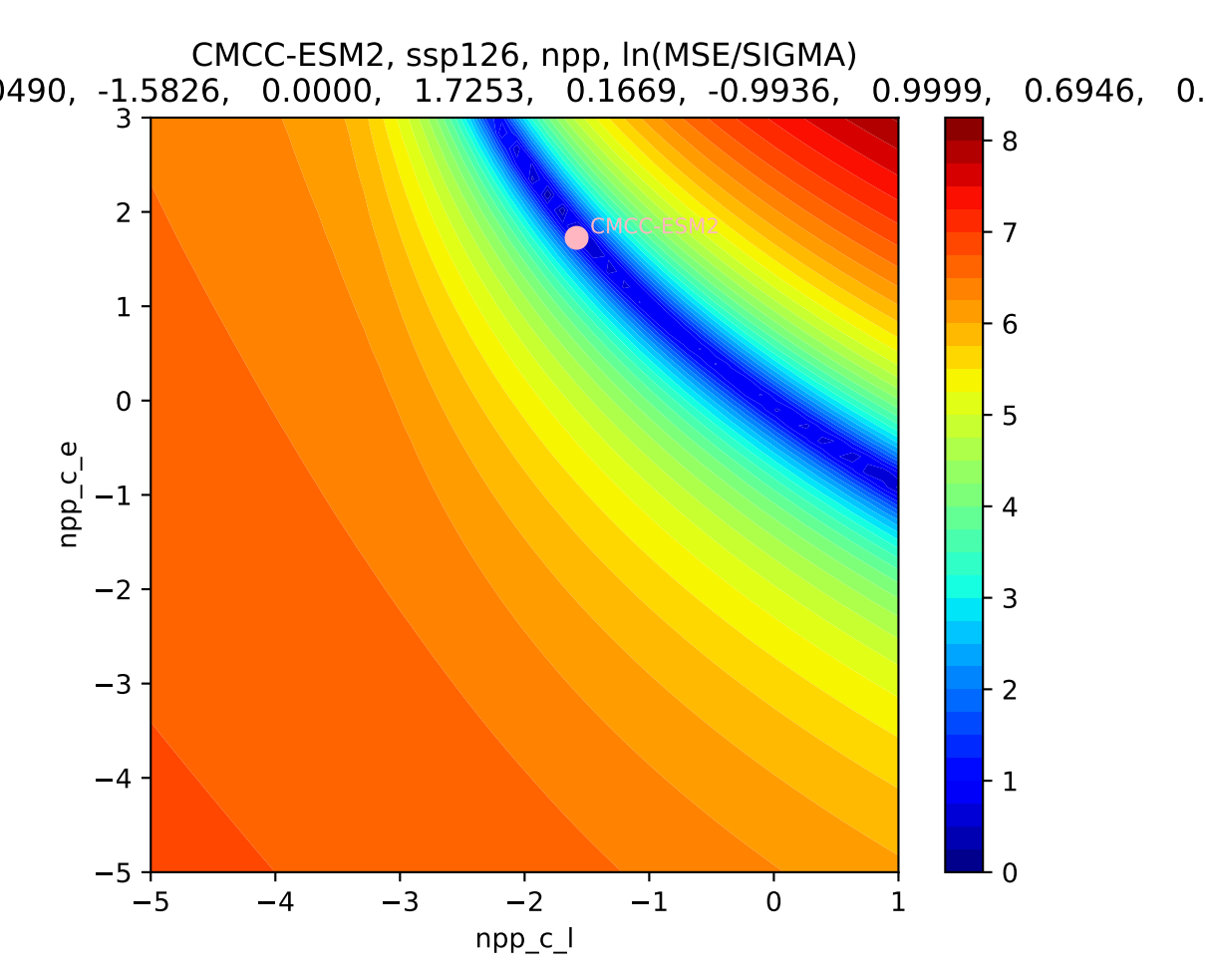

CMCC-ESM2, ssp126, npp
ESM
Fit
npp
ΔT

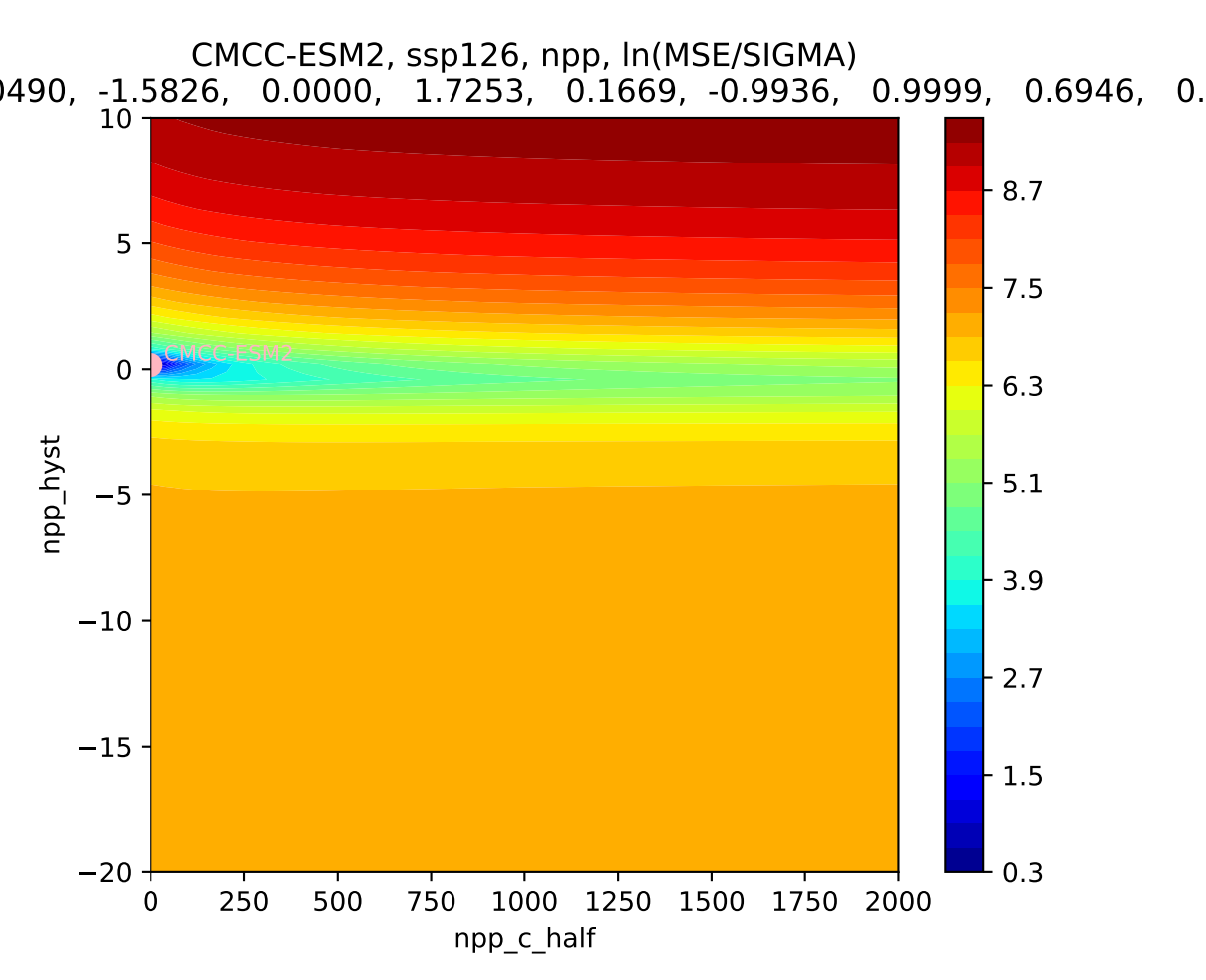

CMCC-ESM2, ssp126, npp
ESM-Fit
npp, ESM - FIT
ΔT

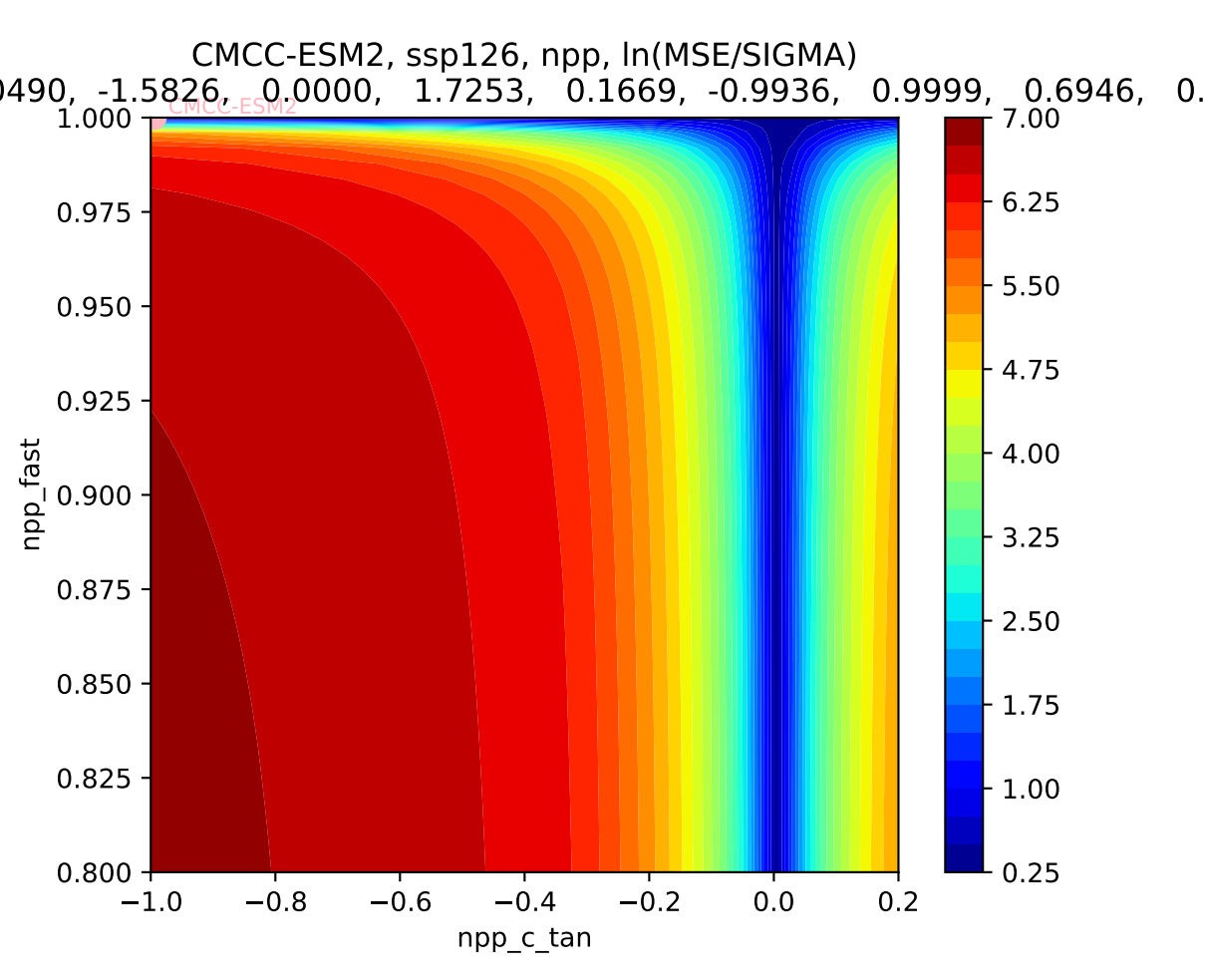

CMCC-ESM2, ssp126, npp
ESM
Fit
npp
c_atm

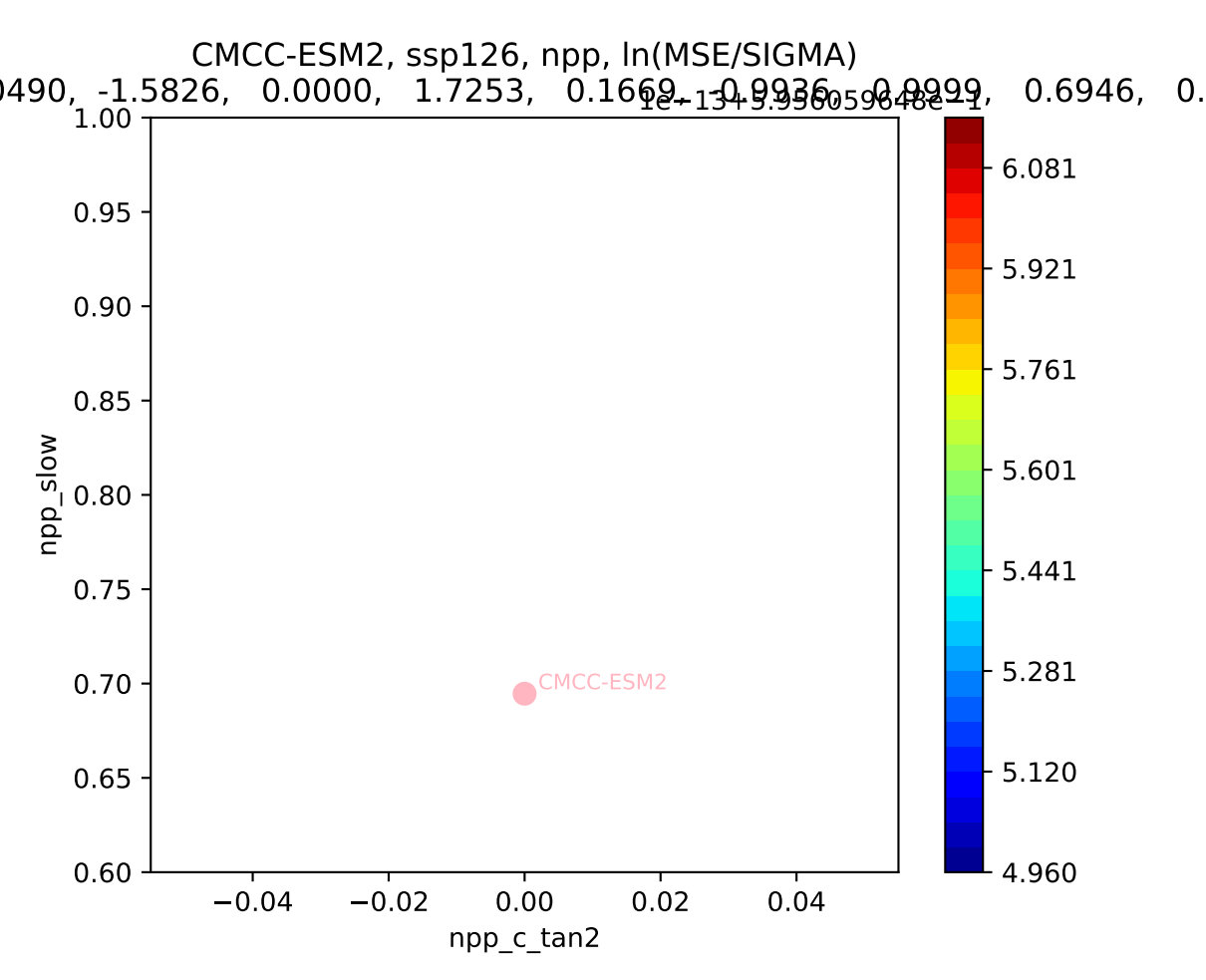

CMCC-ESM2, ssp126, npp
ESM-Fit
npp, ESM - FIT
c_atm

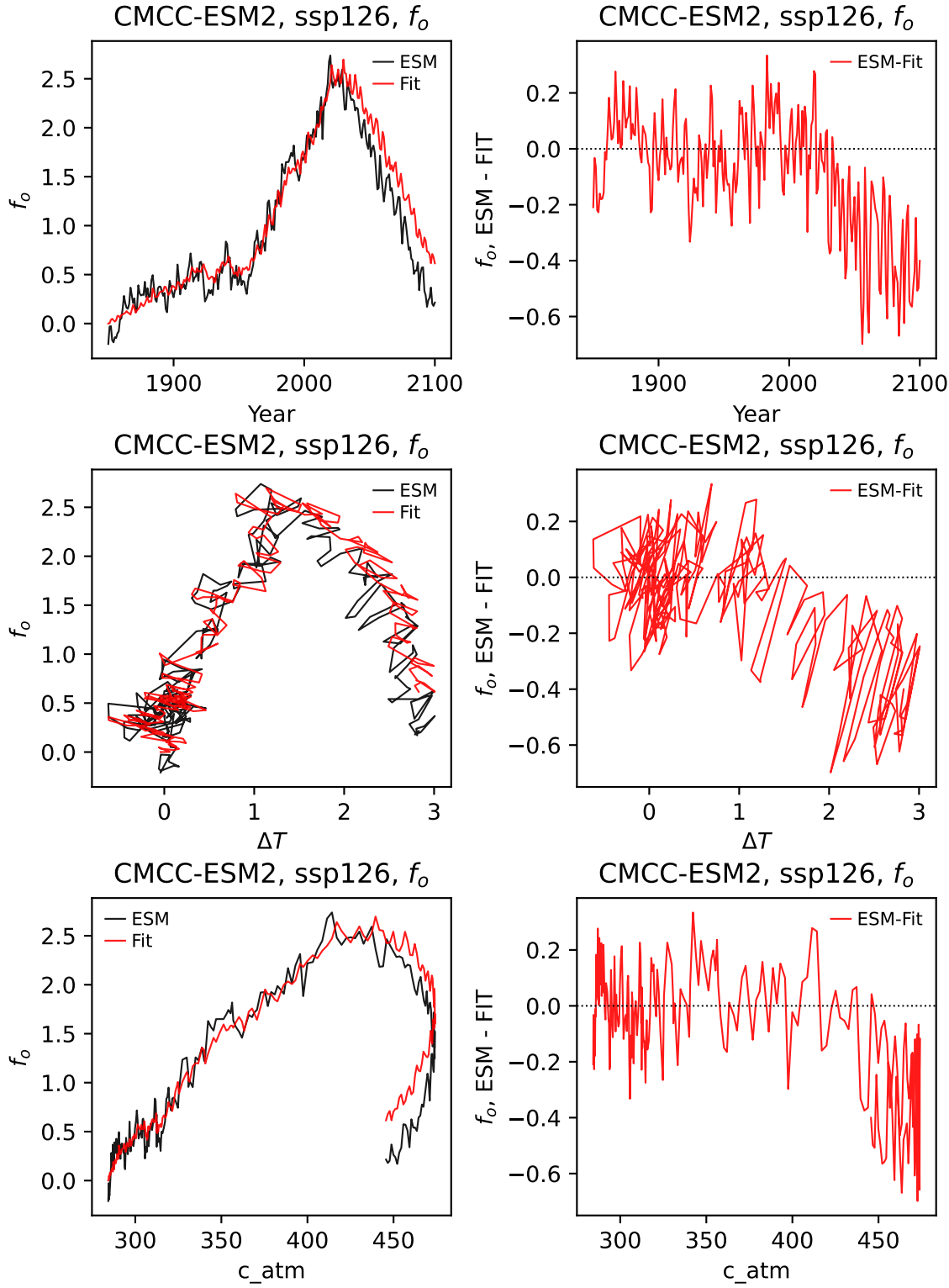

CMCC-ESM2, ssp126, npp, ln(MSE/SIGMA)
0490, -1.5826, 0.0000, 1.7253, 0.1669, -0.9936, 0.9999, 0.6946, 0.
CMCC-ESM2
npp_t_e
npp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
8.7
7.5
6.3
5.1
3.9
2.7
1.5
0.3

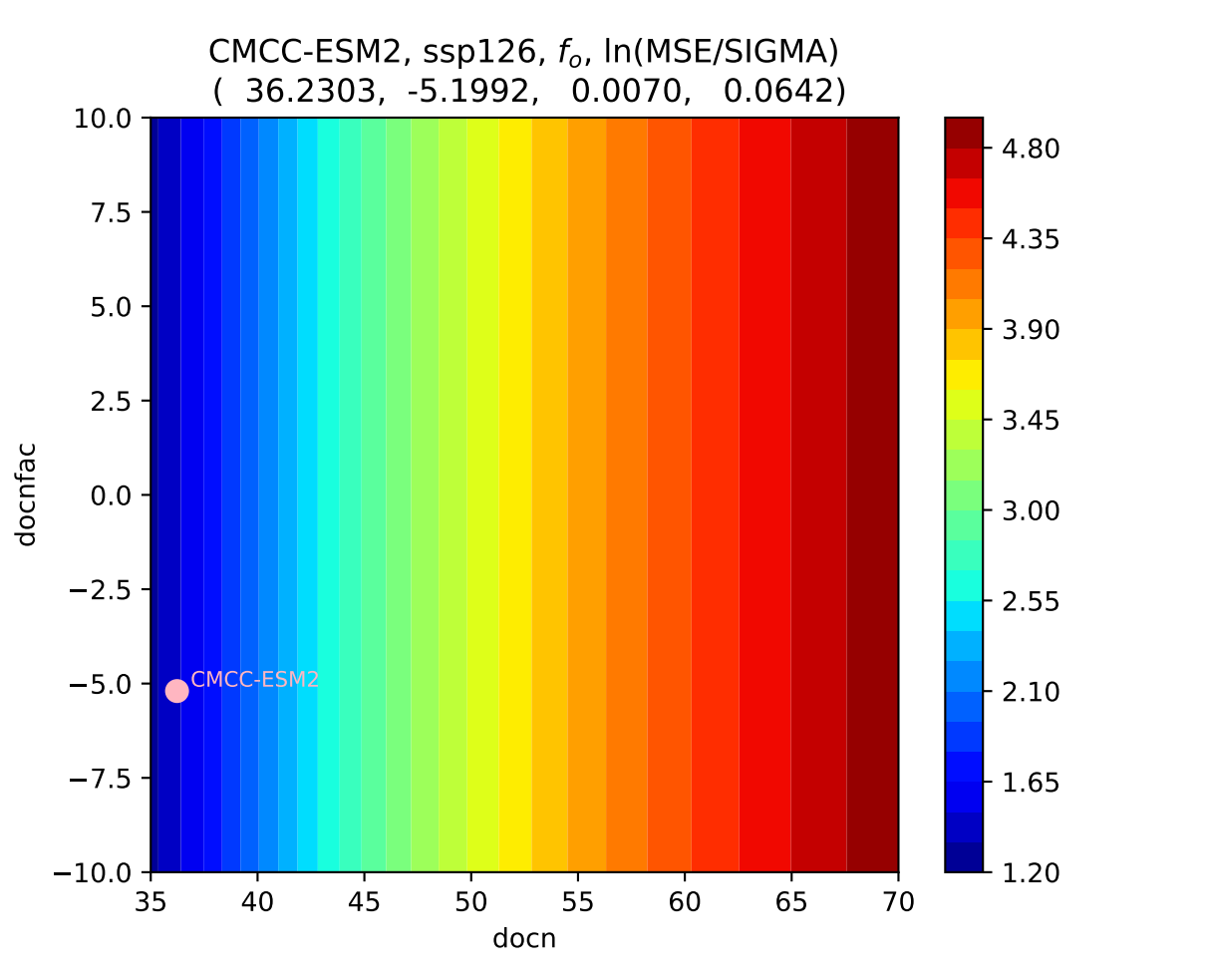

CMCC-ESM2, ssp126, npp, ln(MSE/SIGMA)
0490, -1.5826, 0.0000, 1.7253, 0.1669, -0.9936, 0.9999, 0.6946, 0.
CMCC-ESM2
npp_c_e
npp_c_l
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
8
7
6
5
4
3
2
1
0

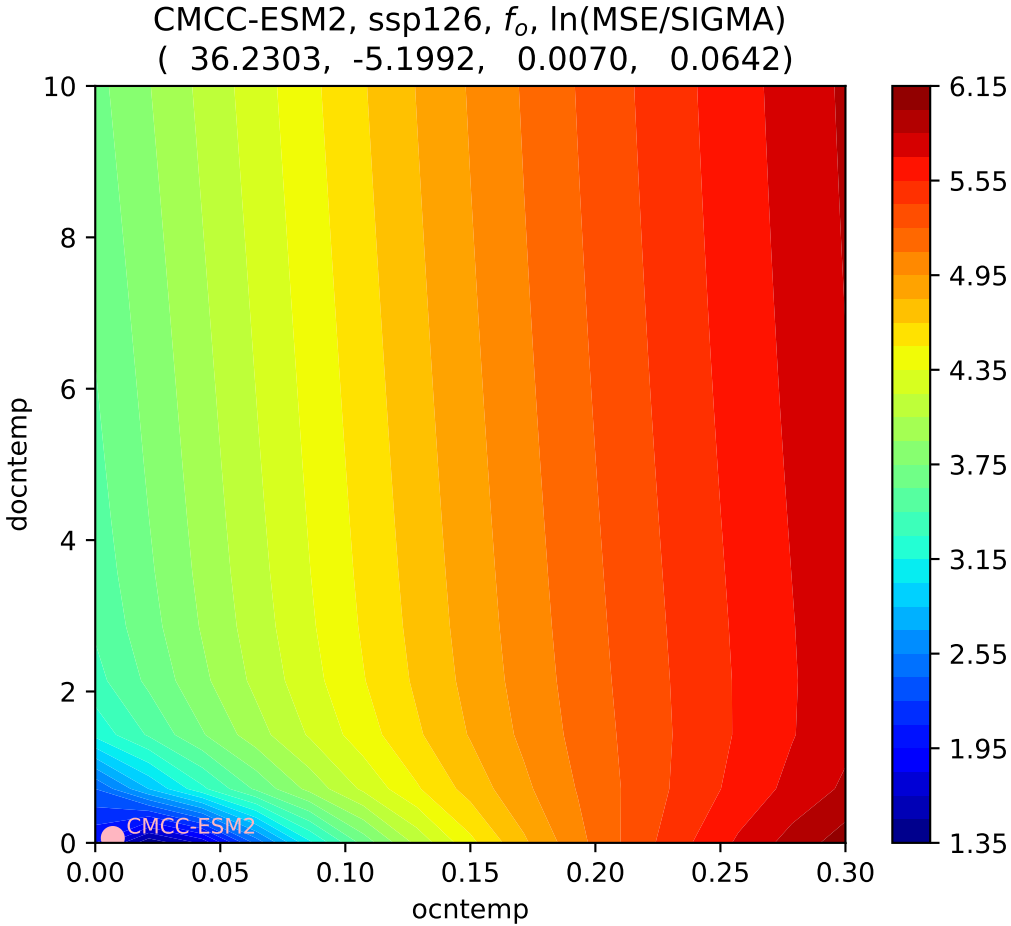

CMCC-ESM2, ssp126, npp, ln(MSE/SIGMA)
0490, -1.5826, 0.0000, 1.7253, 0.1669, -0.9936, 0.9999, 0.6946, 0.
CMCC-ESM2
npp_hyst
10
5
0
−5
−10
−15
−20
0
250
500
750
1000
1250
1500
1750
2000
npp_c_half
8.7
7.5
6.3
5.1
3.9
2.7
1.5
0.3


CMCC-ESM2, ssp126, npp, ln(MSE/SIGMA)
0490, -1.5826, 0.0000, 1.7253, 0.1669, -0.9936, 0.9999, 0.6946, 0.
CMCC-ESM2
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
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00
0.25


CMCC-ESM2, ssp126, npp, ln(MSE/SIGMA)
0490, -1.5826, 0.0000, 1.7253, 0.1669, -0.9936, 0.0999, 0.6946, 0.
1e-134+5.956059648e-1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
CMCC-ESM2
−0.04
−0.02
0.00
0.02
0.04
npp_c_tan2
6.081
5.921
5.761
5.601
5.441
5.281
5.120
4.960


CMCC-ESM2, ssp126, f_o
ESM
Fit
f_o
Year
CMCC-ESM2, ssp126, f_o
ESM-Fit
f_o, ESM - FIT
Year
CMCC-ESM2, ssp126, f_o
ESM
Fit
f_o
ΔT
CMCC-ESM2, ssp126, f_o
ESM-Fit
f_o, ESM - FIT
ΔT
CMCC-ESM2, ssp126, f_o
ESM
Fit
f_o
c_atm
CMCC-ESM2, ssp126, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


CMCC-ESM2, ssp126, f_o, ln(MSE/SIGMA)
(36.2303, -5.1992, 0.0070, 0.0642)
CMCC-ESM2
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
4.80
4.35
3.90
3.45
3.00
2.55
2.10
1.65
1.20


CMCC-ESM2, ssp126, f_o, ln(MSE/SIGMA)
(36.2303, -5.1992, 0.0070, 0.0642)
docntemp
ocntemp
CMCC-ESM2
0
2
4
6
8
10
0.00
0.05
0.10
0.15
0.20
0.25
0.30
6.15
5.55
4.95
4.35
3.75
3.15
2.55
1.95
1.35