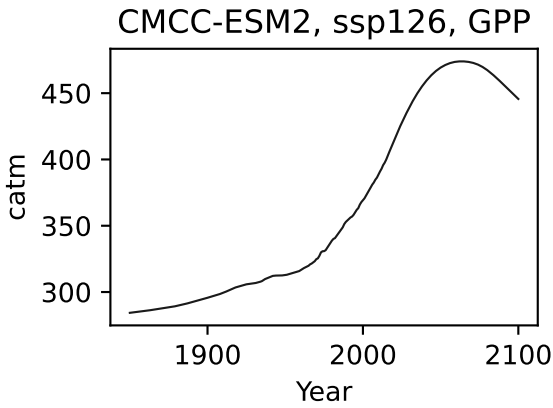
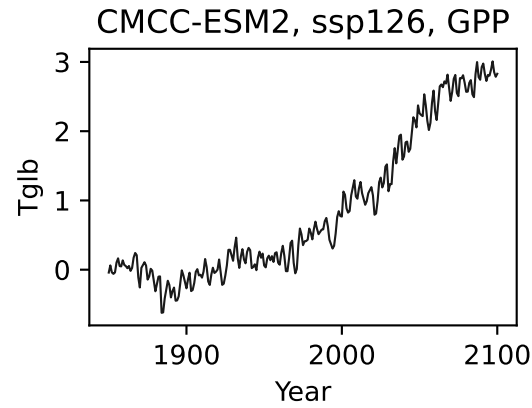
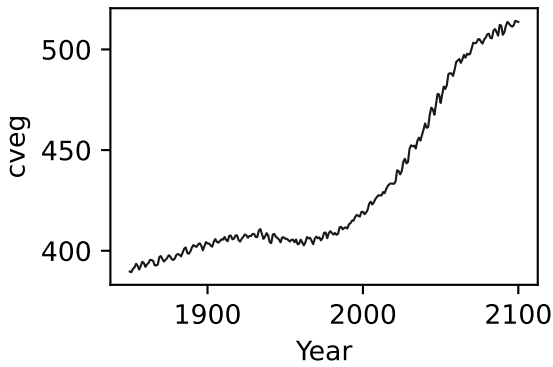
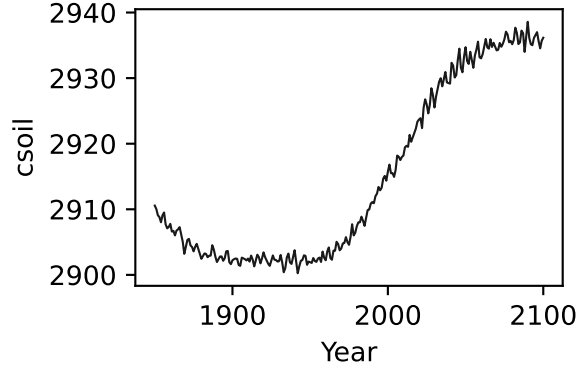
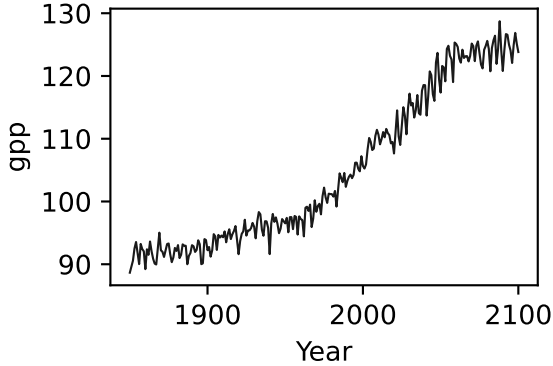
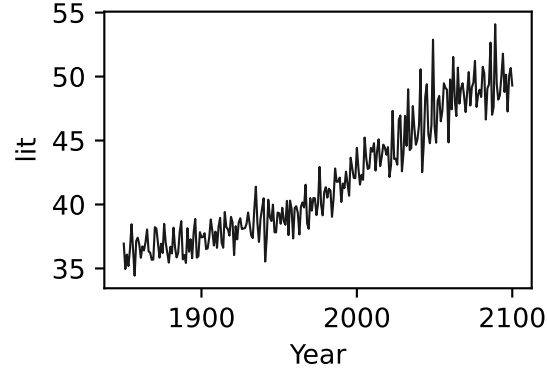

CMCC-ESM2, ssp126, GPP
catm
Year

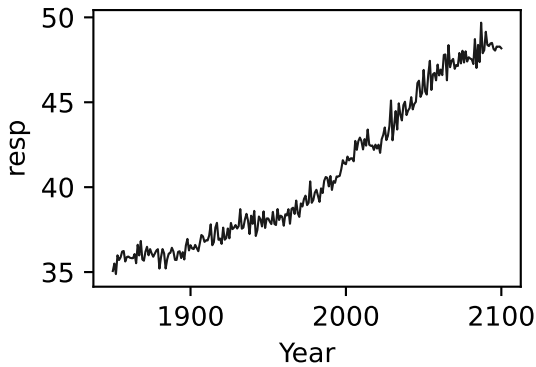

CMCC-ESM2, ssp126, GPP
Tglb
Year

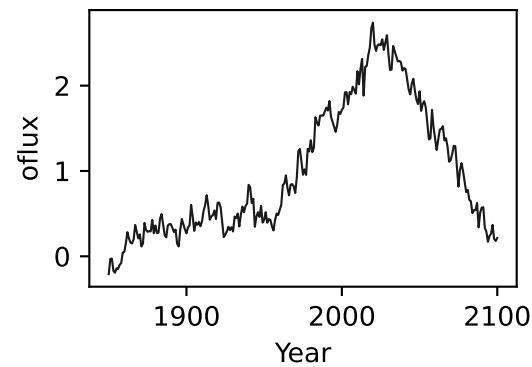

cveg
Year

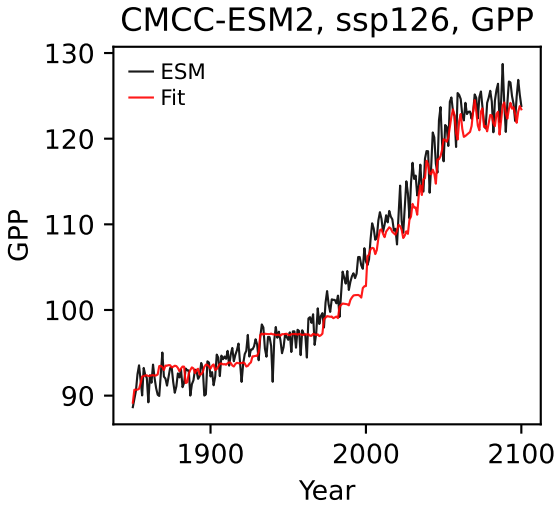

csoil
Year

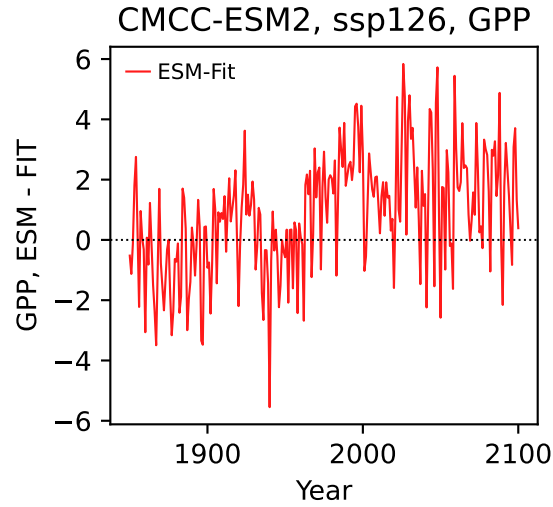

gpp
Year

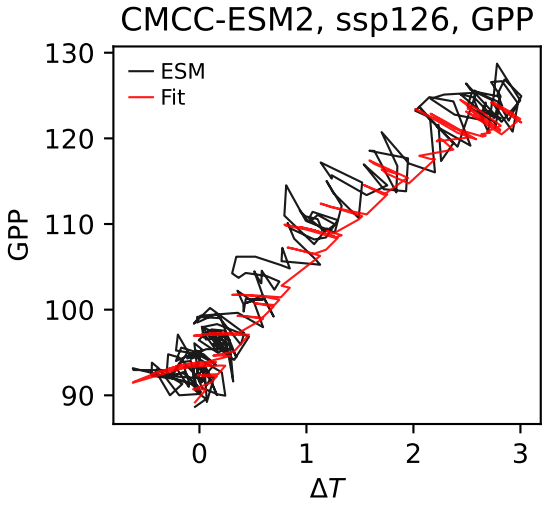

lit
Year

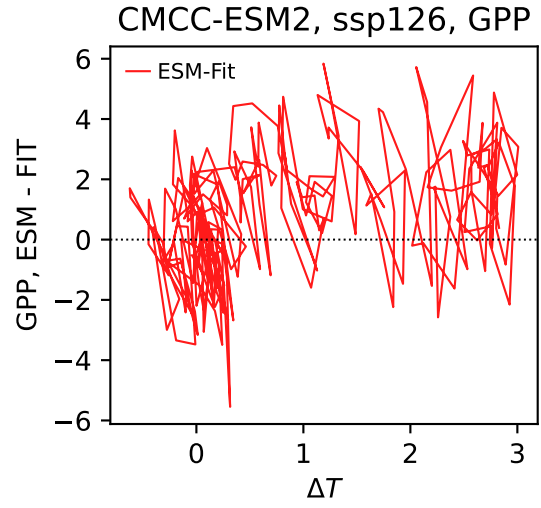

resp
Year

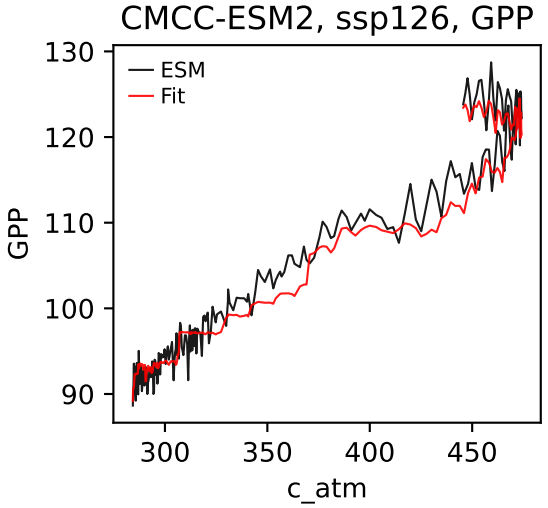

oflux
Year

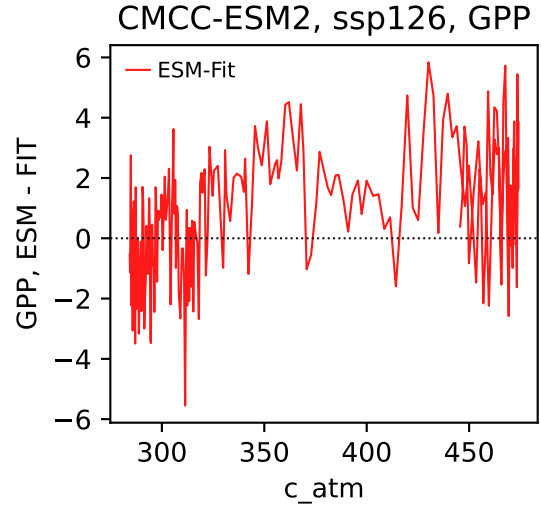

CMCC-ESM2, ssp126, GPP
ESM
Fit
GPP
Year

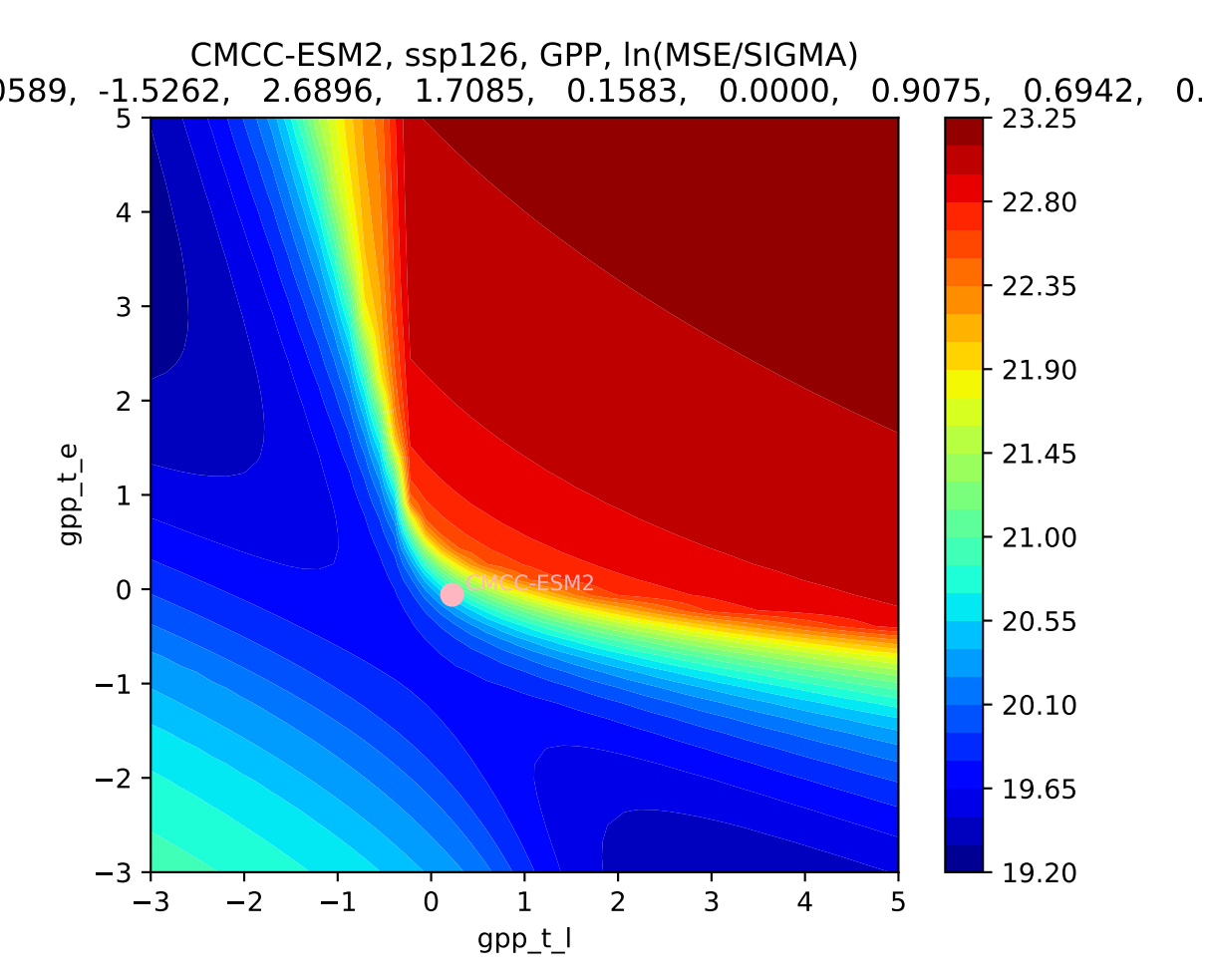

CMCC-ESM2, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
Year

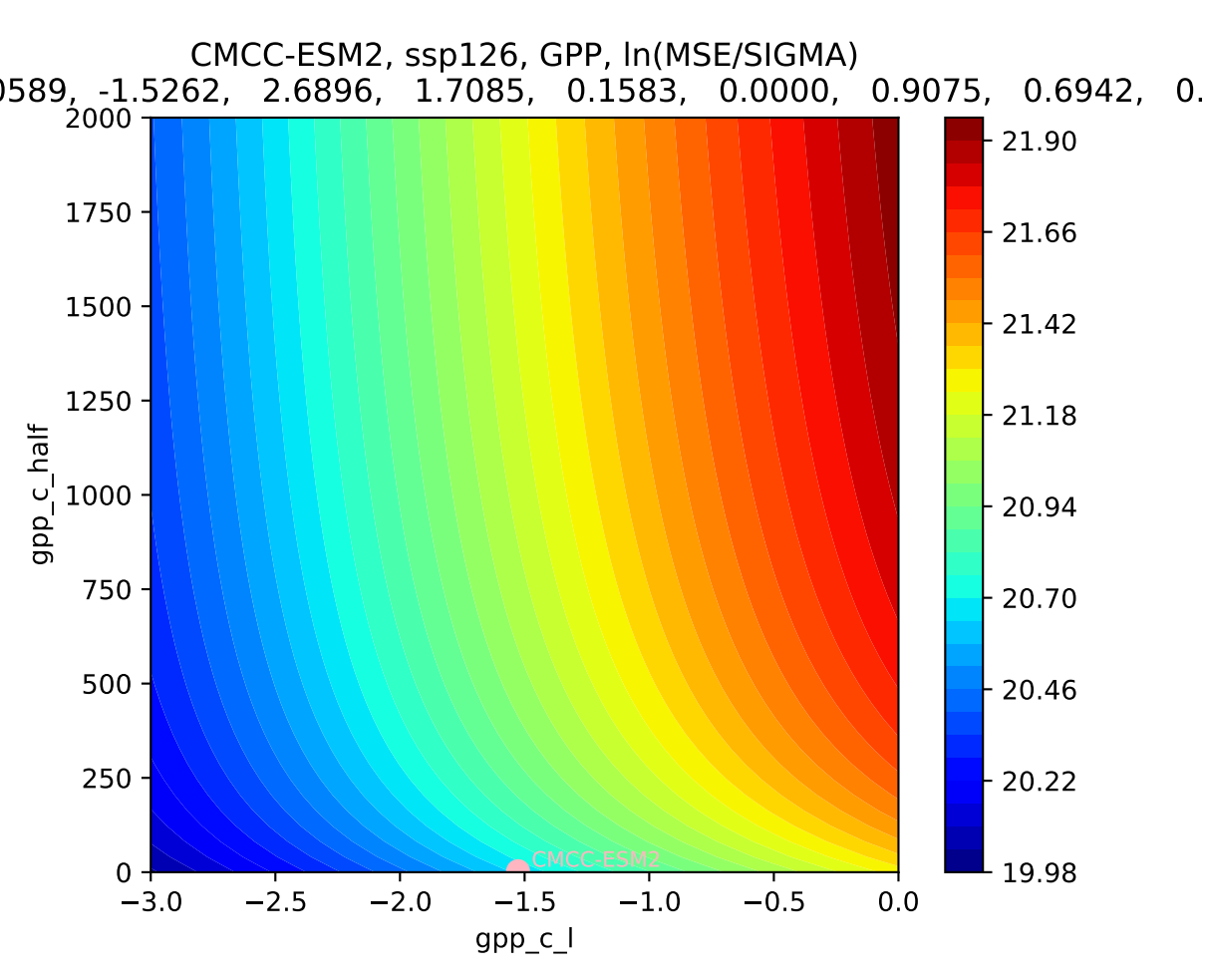

CMCC-ESM2, ssp126, GPP
ESM
Fit
GPP
ΔT

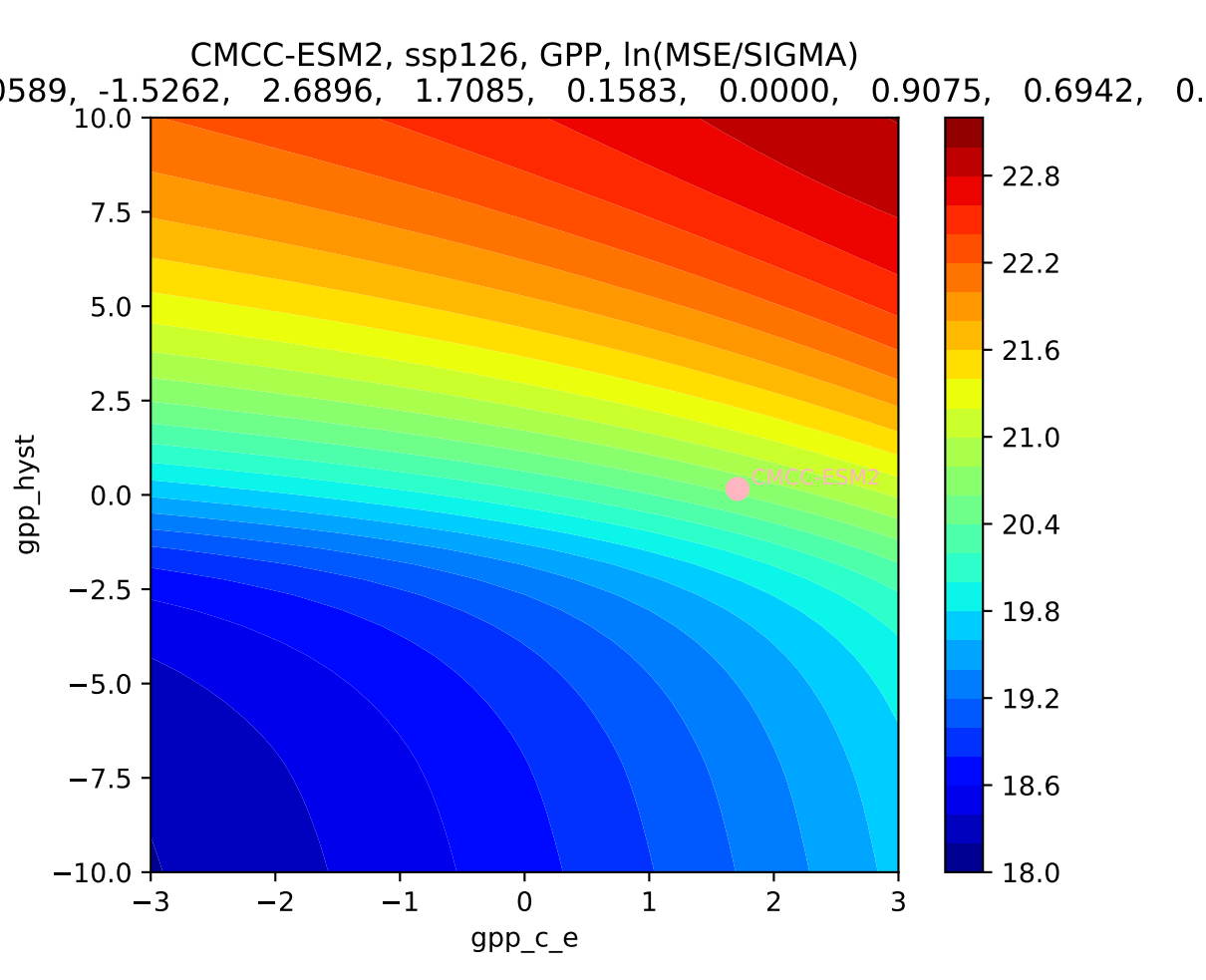

CMCC-ESM2, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

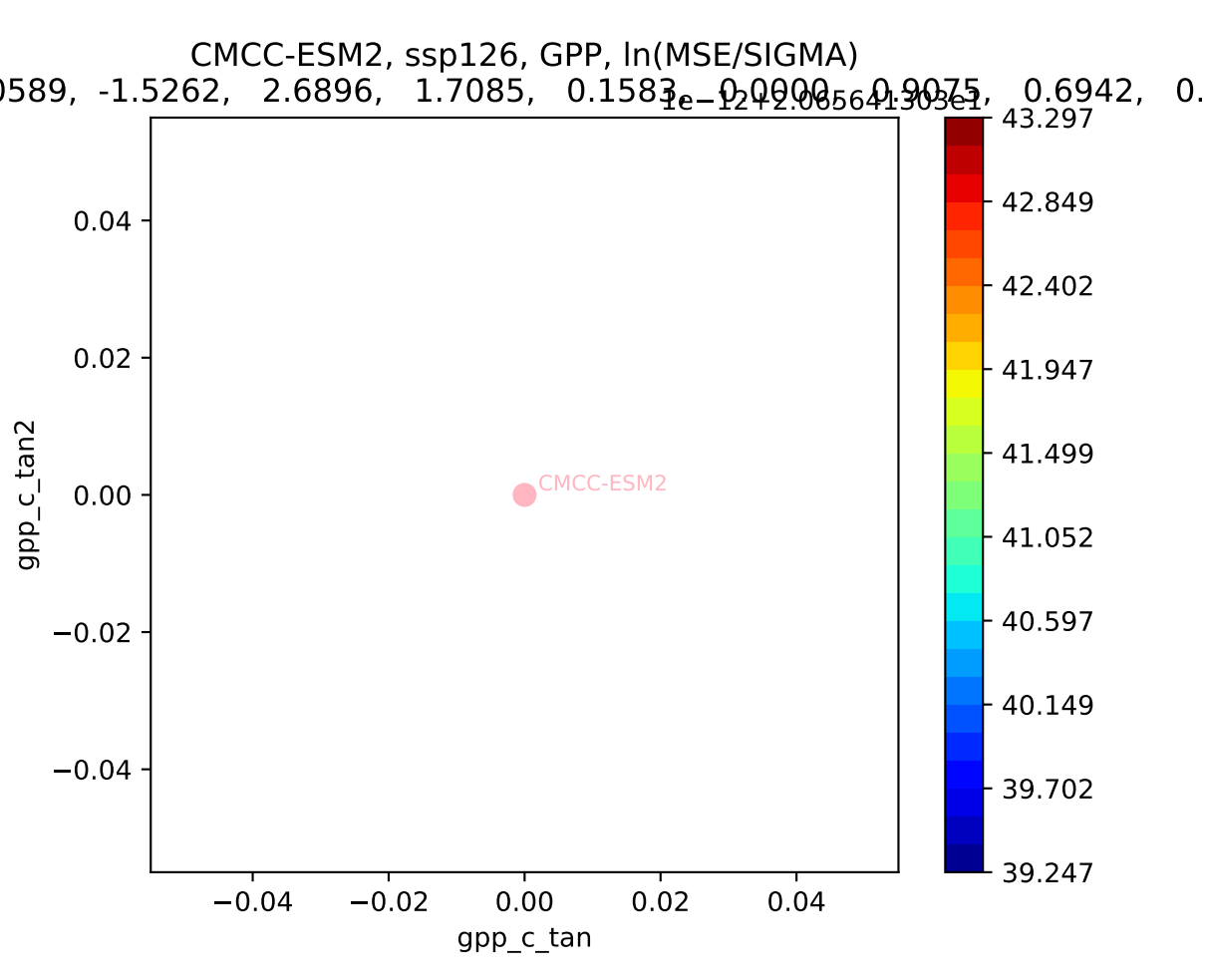

CMCC-ESM2, ssp126, GPP
ESM
Fit
GPP
c_atm

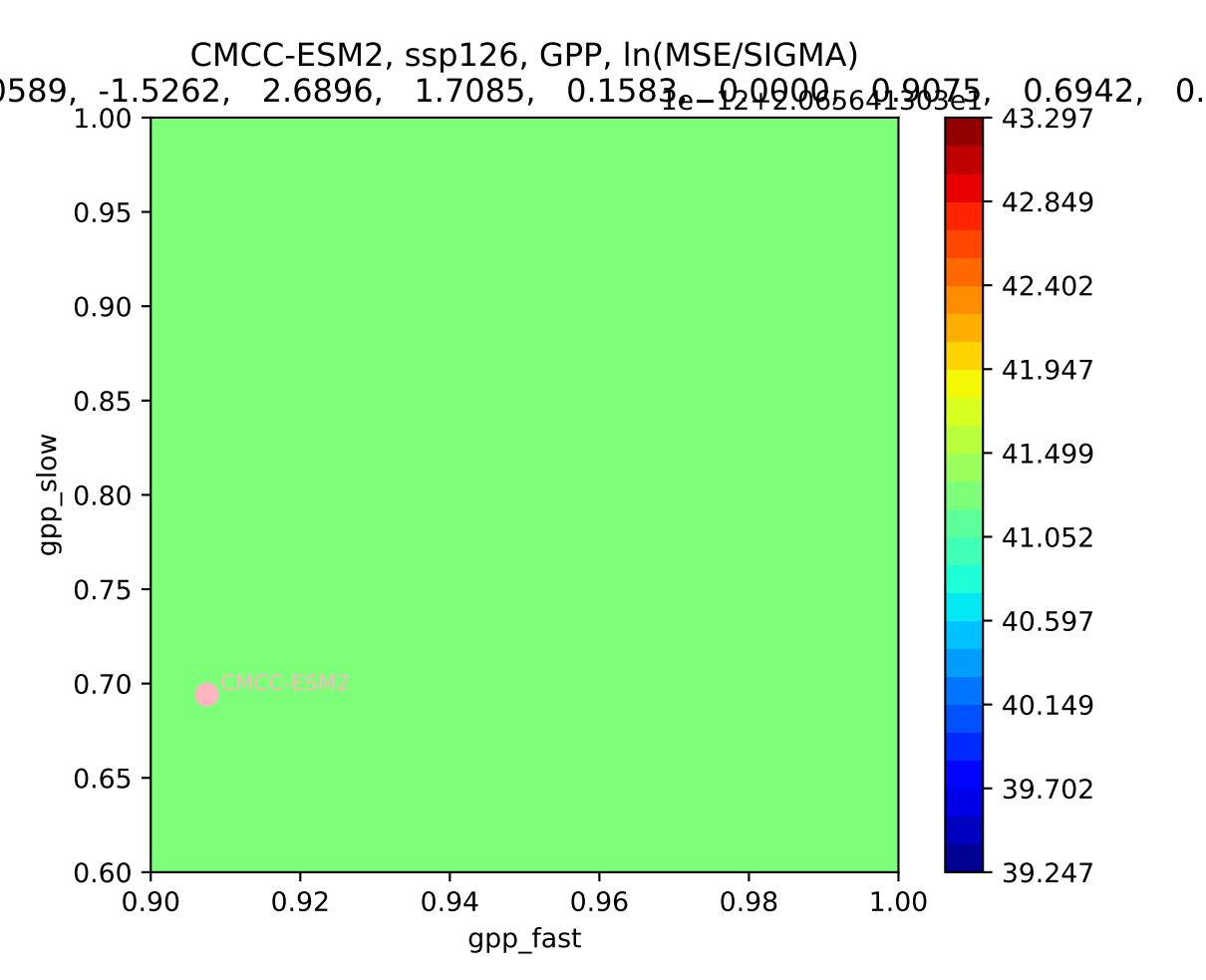

CMCC-ESM2, ssp126, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

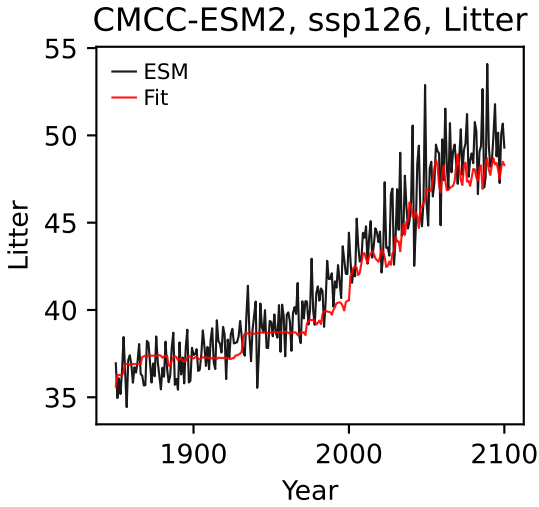

CMCC-ESM2, ssp126, GPP, ln(MSE/SIGMA)
0589, -1.5262, 2.6896, 1.7085, 0.1583, 0.0000, 0.9075, 0.6942, 0.
gpp_t_e
gpp_t_l
CMCC-ESM2
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
23.25
22.80
22.35
21.90
21.45
21.00
20.55
20.10
19.65
19.20

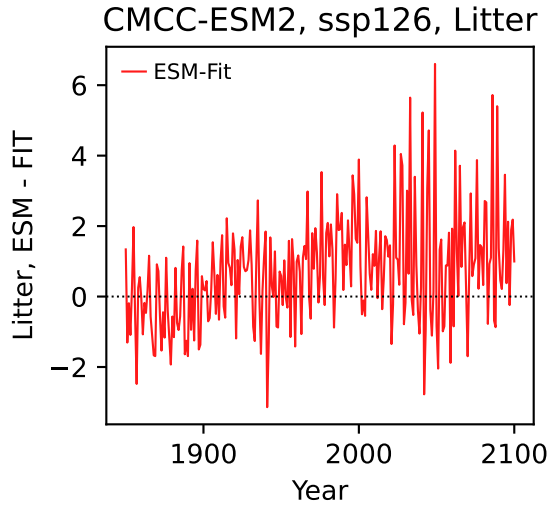

CMCC-ESM2, ssp126, GPP, ln(MSE/SIGMA)
0589, -1.5262, 2.6896, 1.7085, 0.1583, 0.0000, 0.9075, 0.6942, 0.
gpp_c_half
gpp_c_l
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
CMCC-ESM2
21.90
21.66
21.42
21.18
20.94
20.70
20.46
20.22
19.98

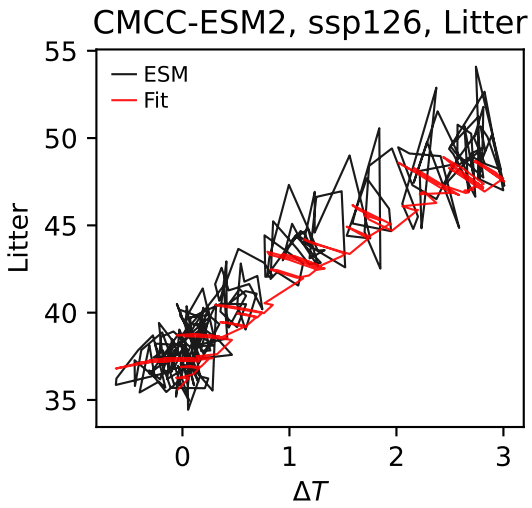

CMCC-ESM2, ssp126, GPP, ln(MSE/SIGMA)
0589, -1.5262, 2.6896, 1.7085, 0.1583, 0.0000, 0.9075, 0.6942, 0.
gpp_hyst
gpp_c_e
CMCC-ESM2
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.8
22.2
21.6
21.0
20.4
19.8
19.2
18.6
18.0

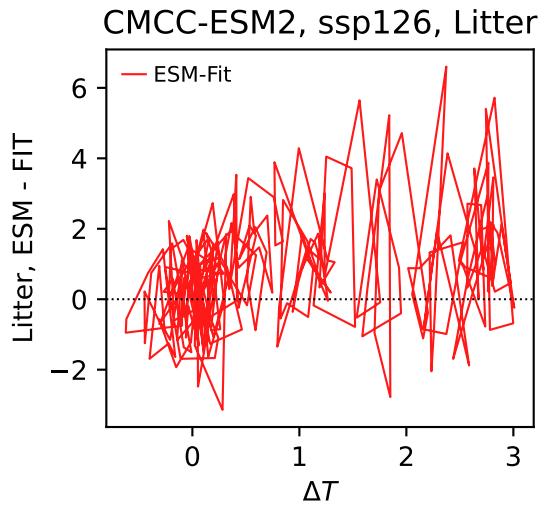

CMCC-ESM2, ssp126, GPP, ln(MSE/SIGMA)
0589, -1.5262, 2.6896, 1.7085, 0.1583, 0.0000, 0.9075, 0.6942, 0.
1e−12+2.065641303e1
43.297
42.849
42.402
41.947
41.499
41.052
40.597
40.149
39.702
39.247
CMCC-ESM2
0.04
0.02
0.00
−0.02
−0.04
gpp_c_tan2
−0.04
−0.02
0.00
0.02
0.04
gpp_c_tan

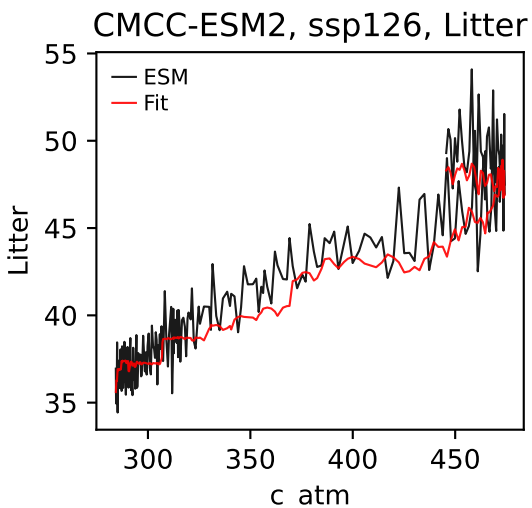

CMCC-ESM2, ssp126, GPP, ln(MSE/SIGMA)
0589, -1.5262, 2.6896, 1.7085, 0.1583, 0.0000, 0.9075, 0.6942, 0.
1e−12+2.065641303e1
43.297
42.849
42.402
41.947
41.499
41.052
40.597
40.149
39.702
39.247
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
gpp_slow
0.90
0.92
0.94
0.96
0.98
1.00
gpp_fast
CMCC-ESM2

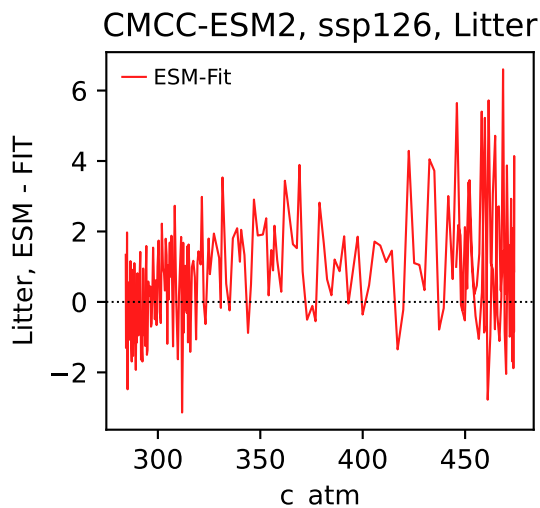

CMCC-ESM2, ssp126, Litter
ESM
Fit
Litter
Year

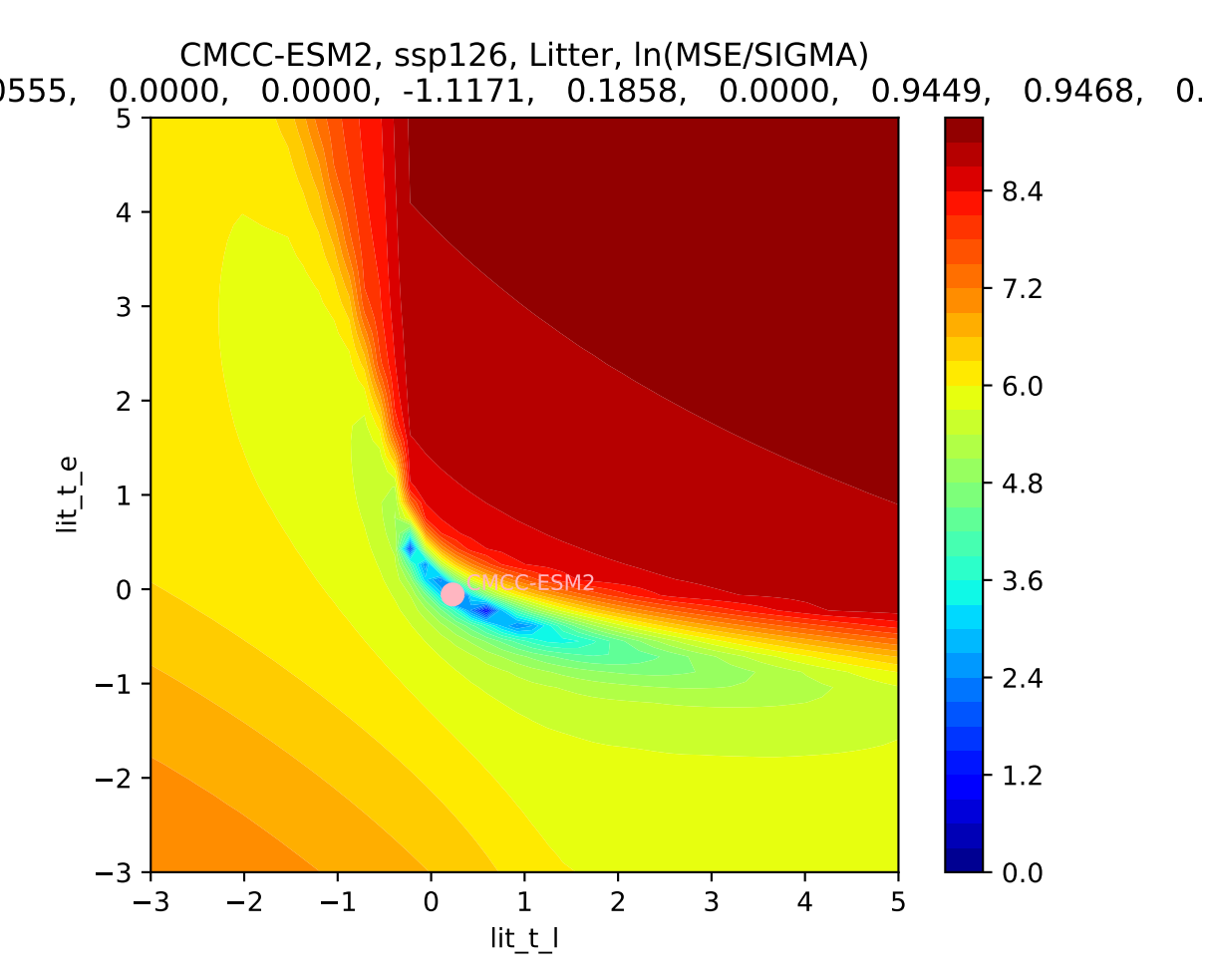

CMCC-ESM2, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
Year

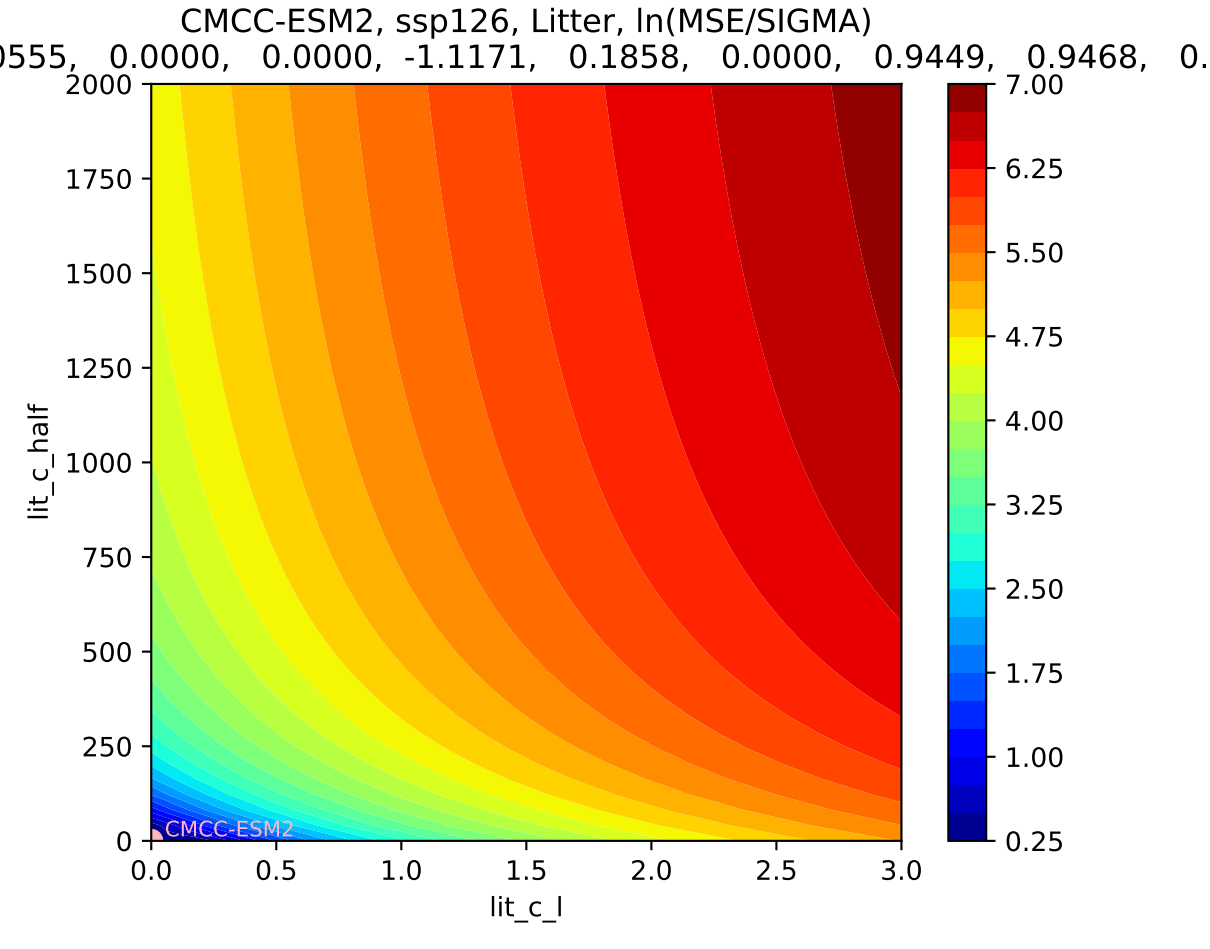

CMCC-ESM2, ssp126, Litter
ESM
Fit
Litter
ΔT

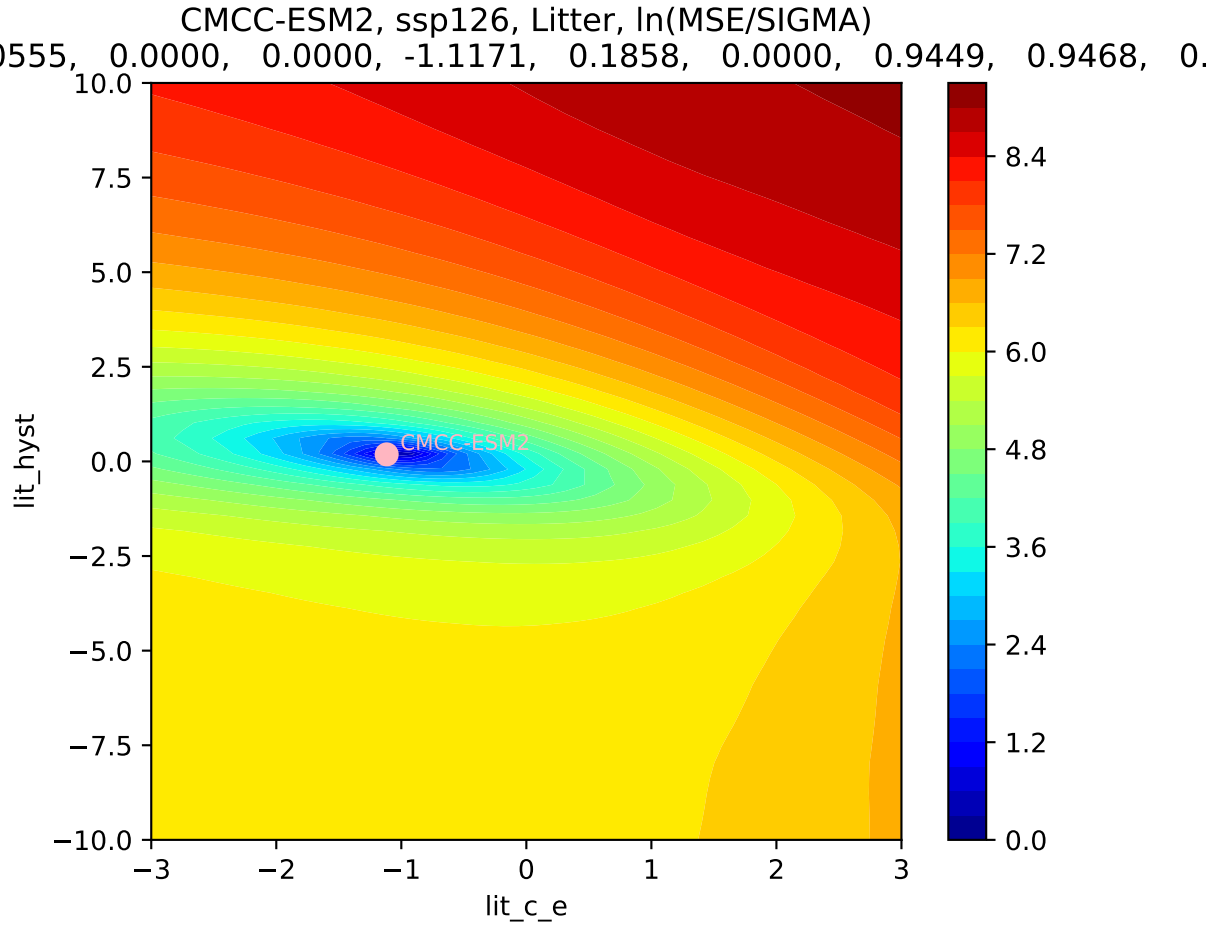

CMCC-ESM2, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

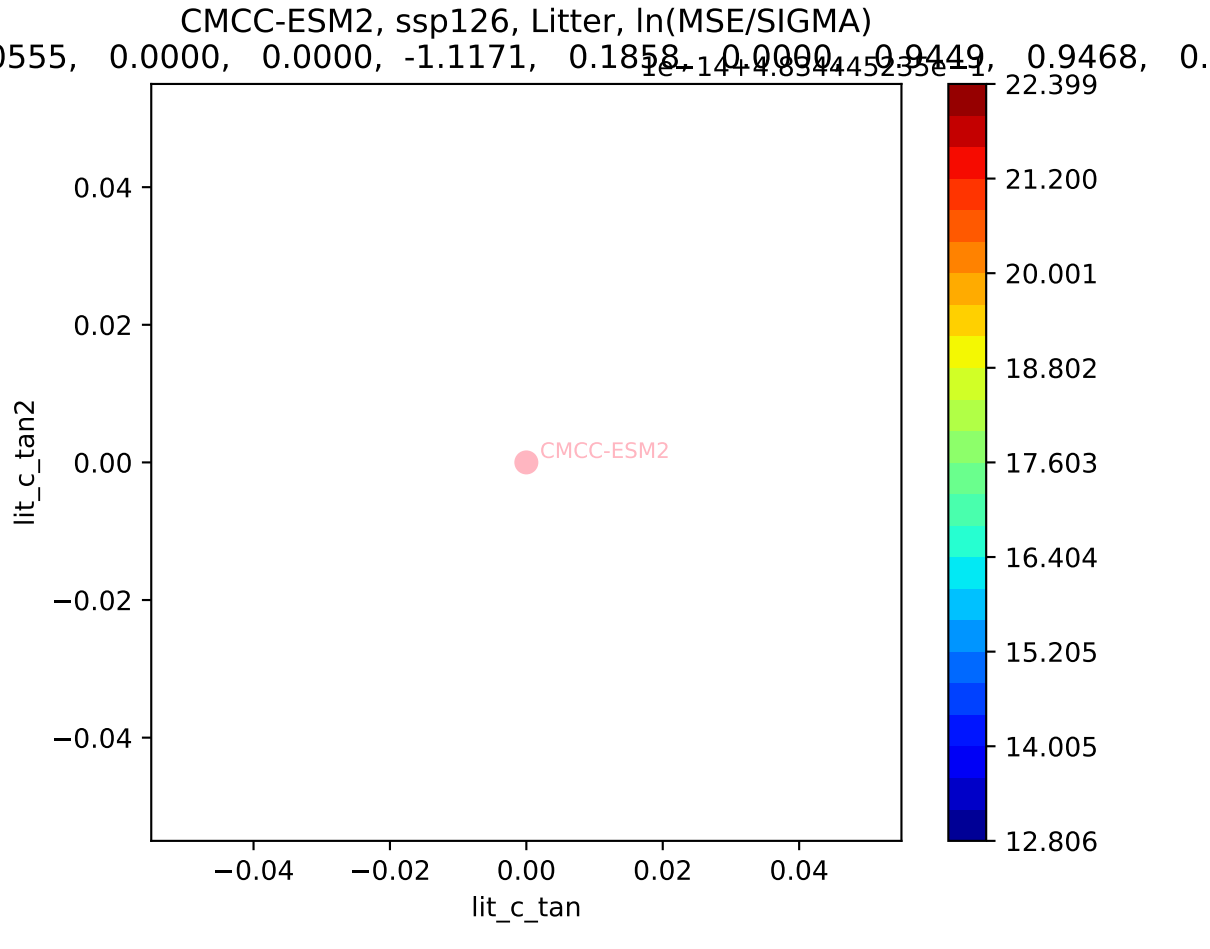

CMCC-ESM2, ssp126, Litter
ESM
Fit
Litter
c_atm

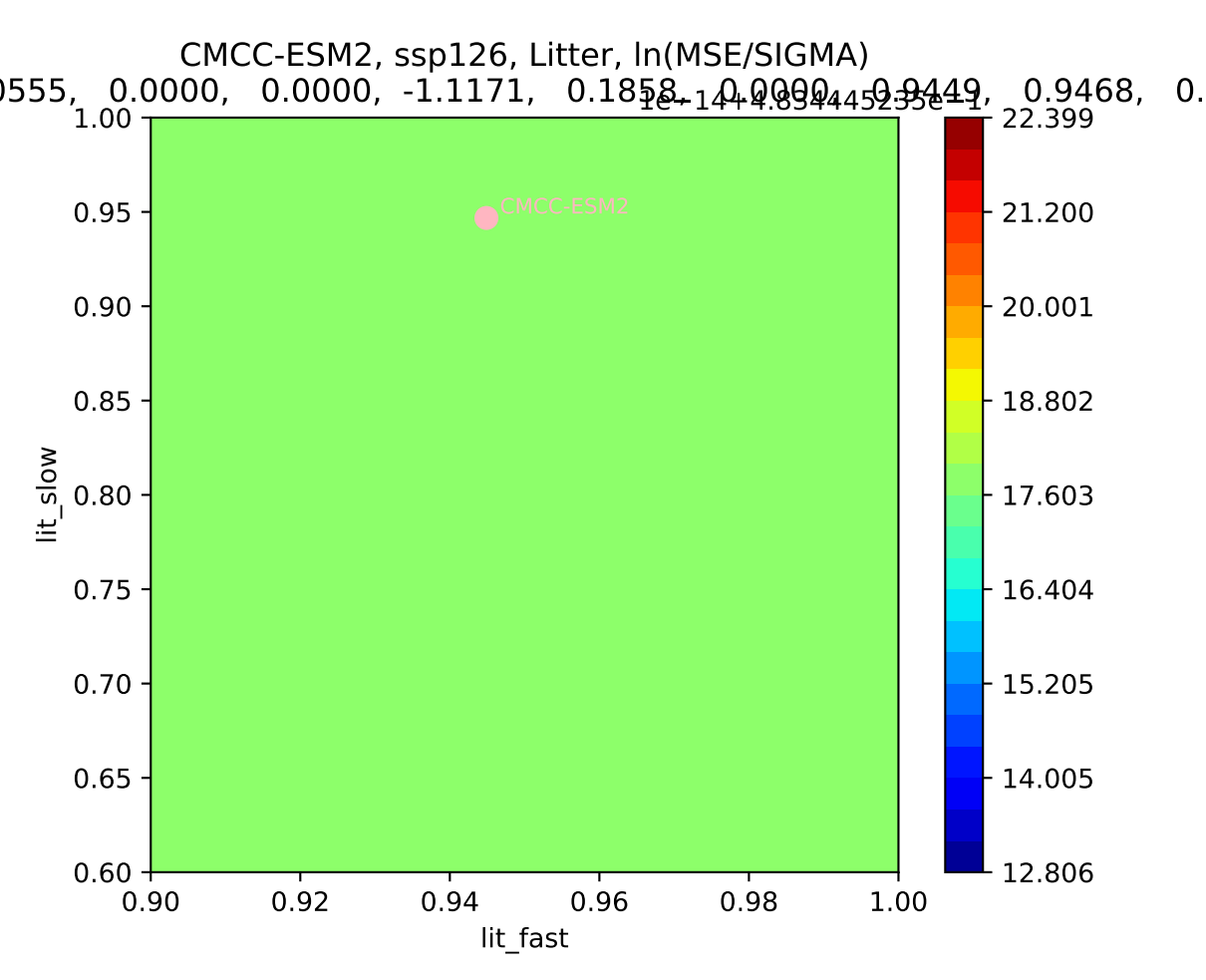

CMCC-ESM2, ssp126, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

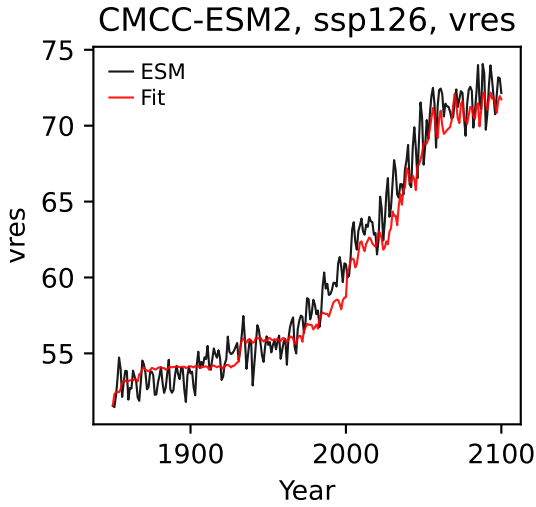

CMCC-ESM2, ssp126, Litter, ln(MSE/SIGMA)
0555, 0.0000, 0.0000, -1.1171, 0.1858, 0.0000, 0.9449, 0.9468, 0.
lit_t_e
lit_t_l
CMCC-ESM2
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

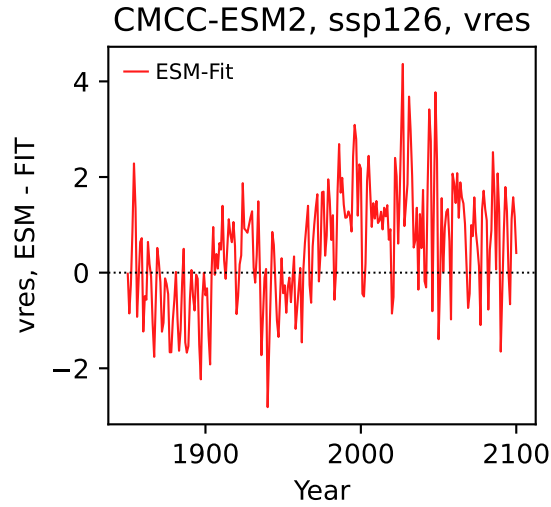

CMCC-ESM2, ssp126, Litter, ln(MSE/SIGMA)
0555, 0.0000, 0.0000, -1.1171, 0.1858, 0.0000, 0.9449, 0.9468, 0.
lit_c_half
lit_c_l
CMCC-ESM2
2000
1750
1500
1250
1000
750
500
250
0
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00
0.25

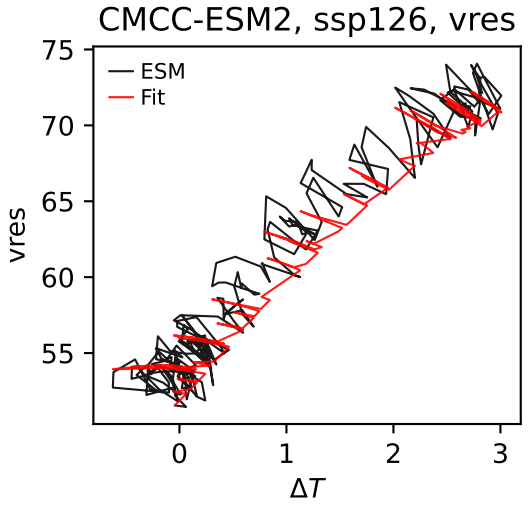

CMCC-ESM2, ssp126, Litter, ln(MSE/SIGMA)
0555, 0.0000, 0.0000, -1.1171, 0.1858, 0.0000, 0.9449, 0.9468, 0.
CMCC-ESM2
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

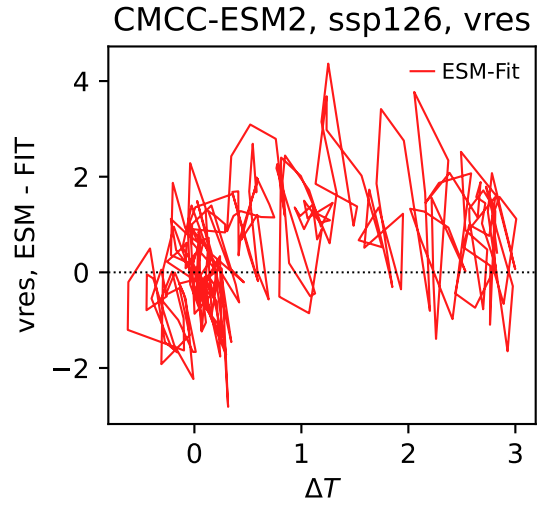

CMCC-ESM2, ssp126, Litter, ln(MSE/SIGMA)
0555, 0.0000, 0.0000, -1.1171, 0.1858, 0.0000, 0.9449, 0.9468, 0.
1e-14+4.834445235e-1
CMCC-ESM2
lit_c_tan2
lit_c_tan
0.04
0.02
0.00
−0.02
−0.04
22.399
21.200
20.001
18.802
17.603
16.404
15.205
14.005
12.806

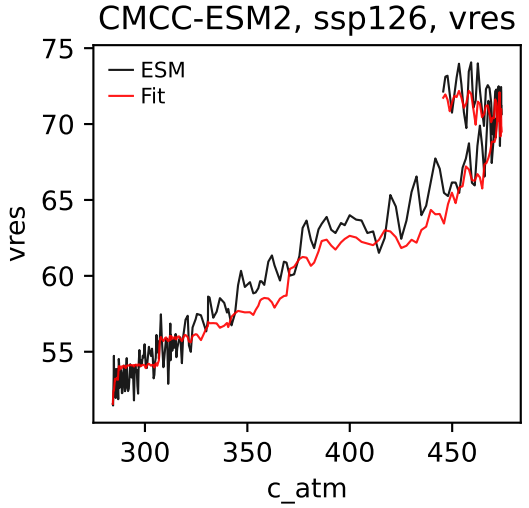

CMCC-ESM2, ssp126, Litter, ln(MSE/SIGMA)
0555, 0.0000, 0.0000, -1.1171, 0.1858, 0.0000, -0.9449, 0.9468, 0.
1e-14+4.834445235e-1
CMCC-ESM2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
0.90
0.92
0.94
0.96
0.98
1.00
lit_fast
22.399
21.200
20.001
18.802
17.603
16.404
15.205
14.005
12.806

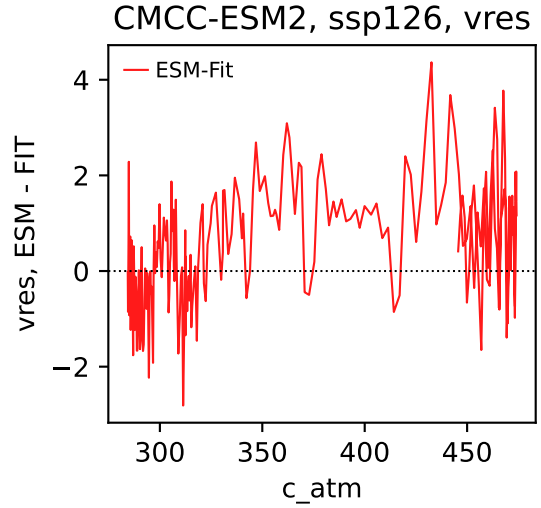

CMCC-ESM2, ssp126, vres
ESM
Fit
vres
Year

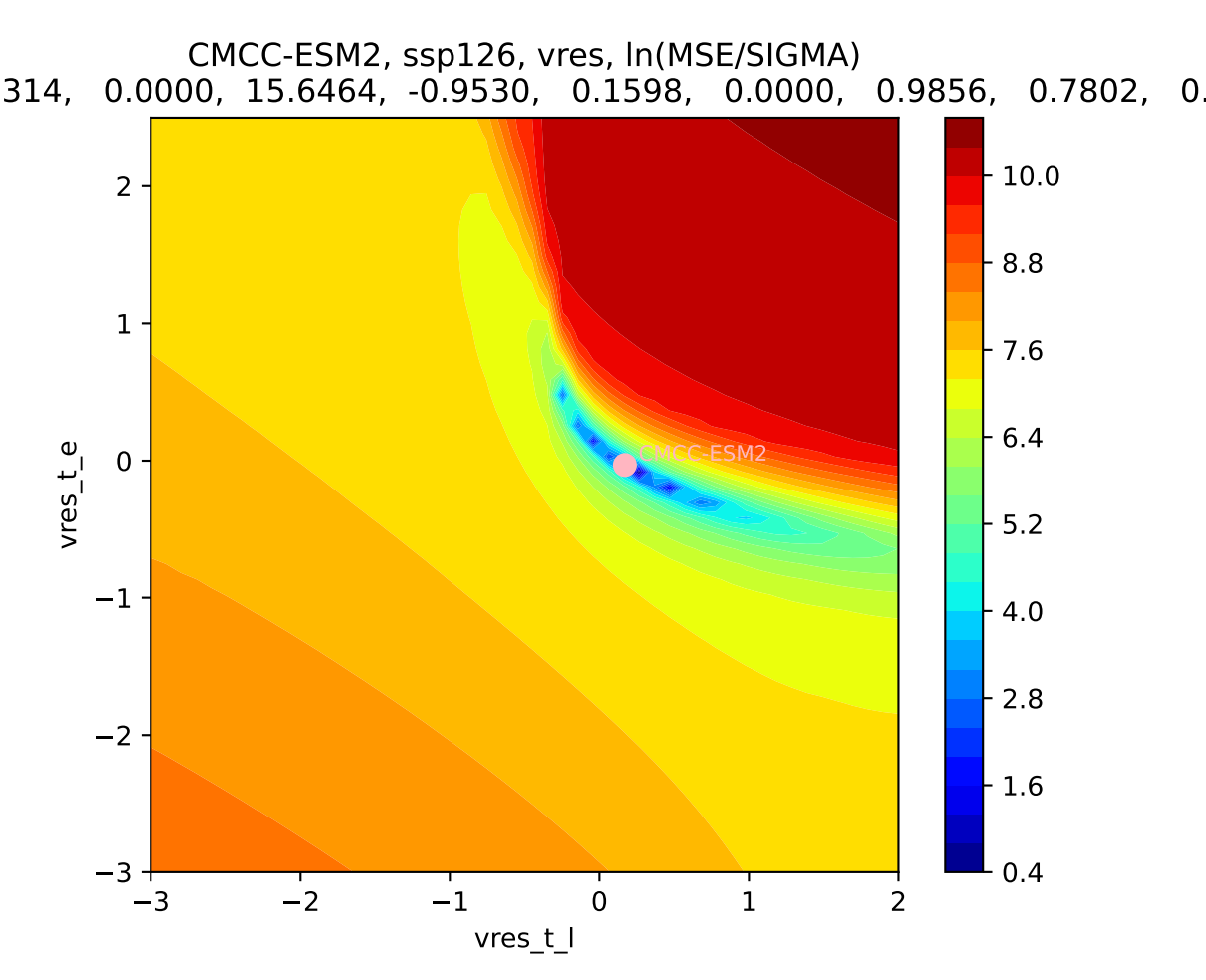

CMCC-ESM2, ssp126, vres
ESM-Fit
vres, ESM - FIT
Year

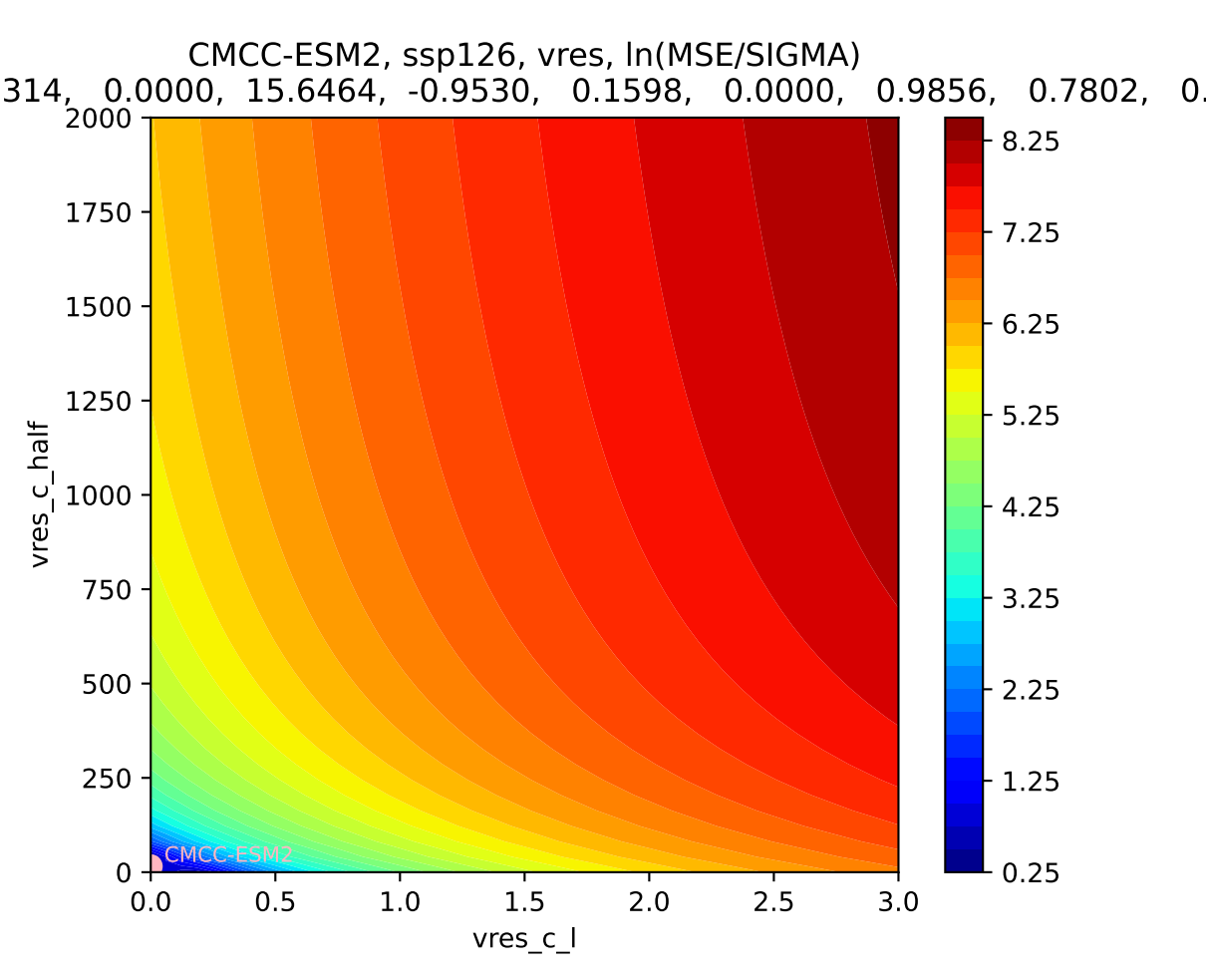

CMCC-ESM2, ssp126, vres
ESM
Fit
vres
ΔT

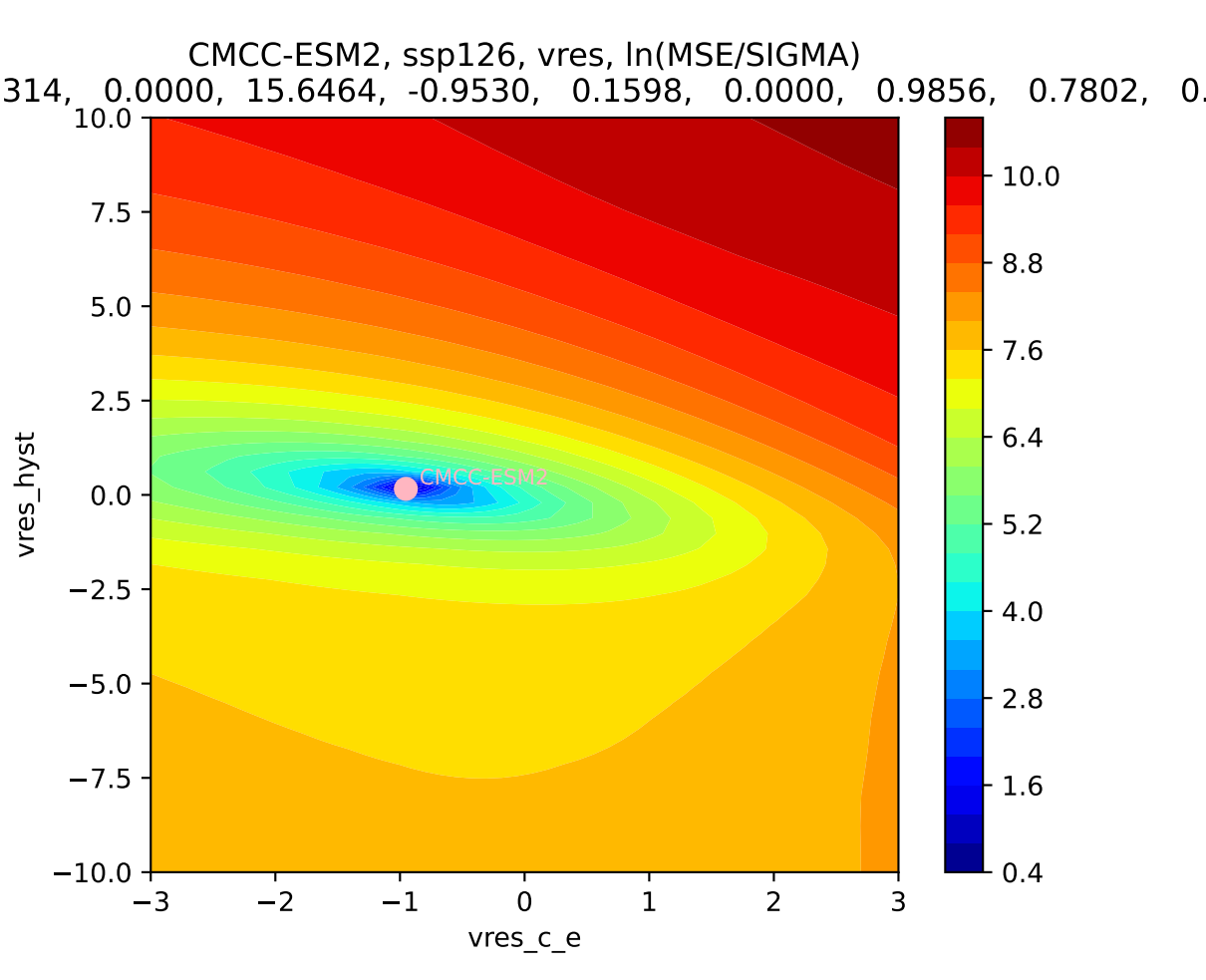

CMCC-ESM2, ssp126, vres
ESM-Fit
vres, ESM - FIT
ΔT

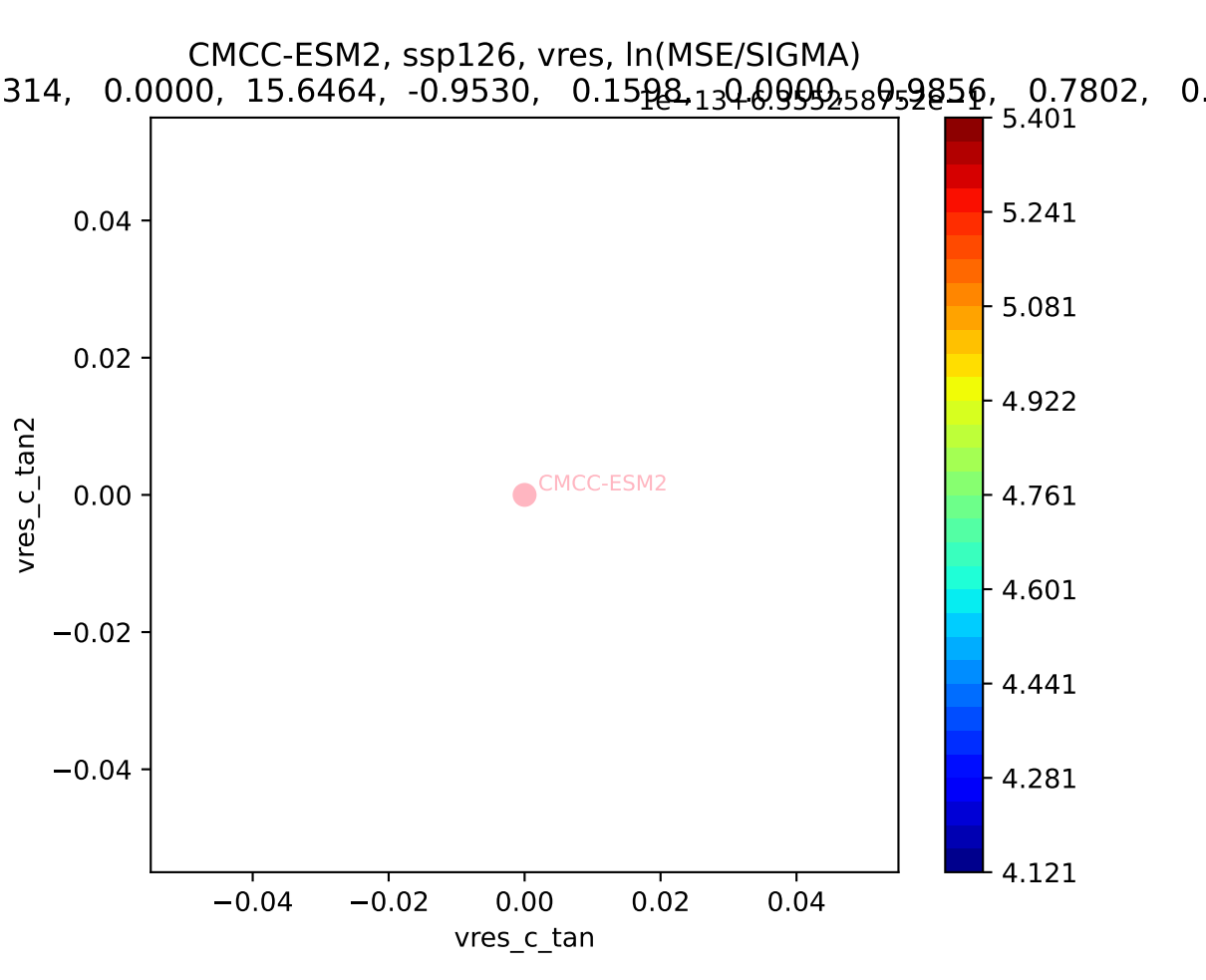

CMCC-ESM2, ssp126, vres
ESM
Fit
vres
c_atm

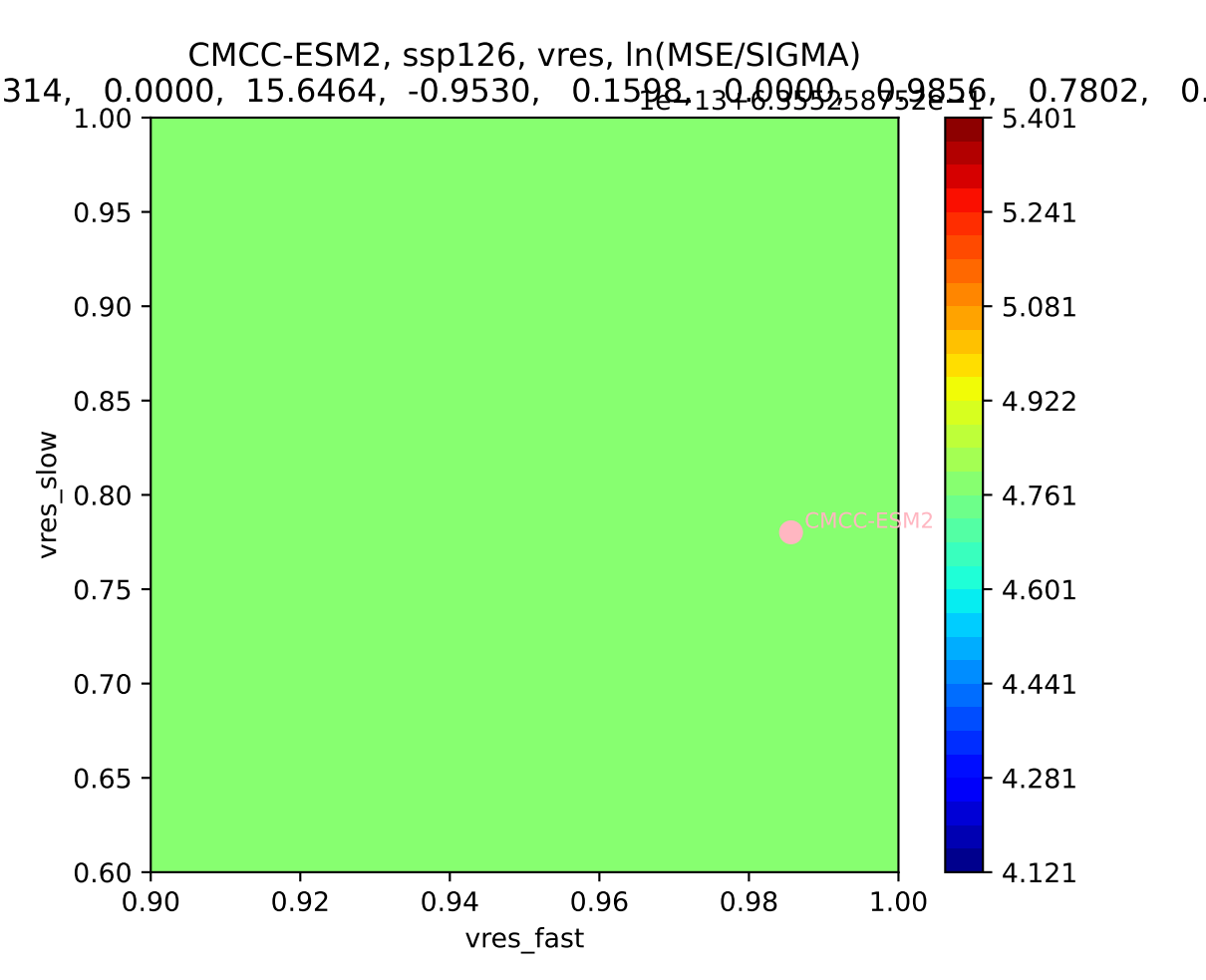

CMCC-ESM2, ssp126, vres
ESM-Fit
vres, ESM - FIT
c_atm

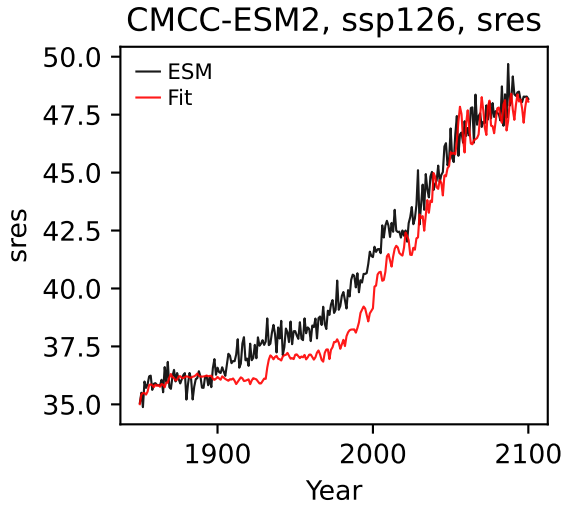

CMCC-ESM2, ssp126, vres, ln(MSE/SIGMA)
314, 0.0000, 15.6464, -0.9530, 0.1598, 0.0000, 0.9856, 0.7802, 0.
CMCC-ESM2
vres_t_e
vres_t_l
−3
−2
−1
0
1
2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

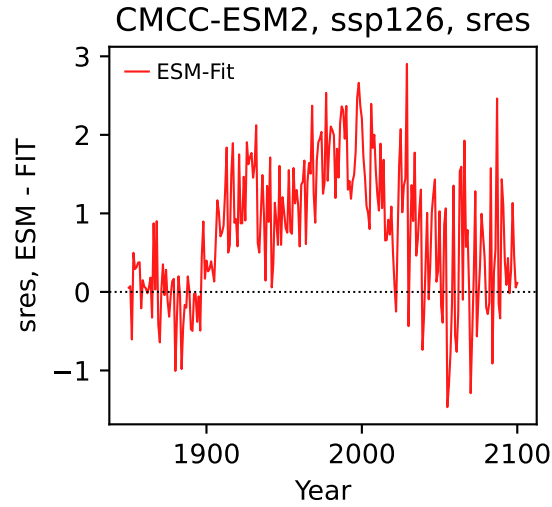

CMCC-ESM2, ssp126, vres, ln(MSE/SIGMA)
314, 0.0000, 15.6464, -0.9530, 0.1598, 0.0000, 0.9856, 0.7802, 0.
vres_c_half
vres_c_l
CMCC-ESM2
0
250
500
750
1000
1250
1500
1750
2000
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0.25
1.25
2.25
3.25
4.25
5.25
6.25
7.25
8.25

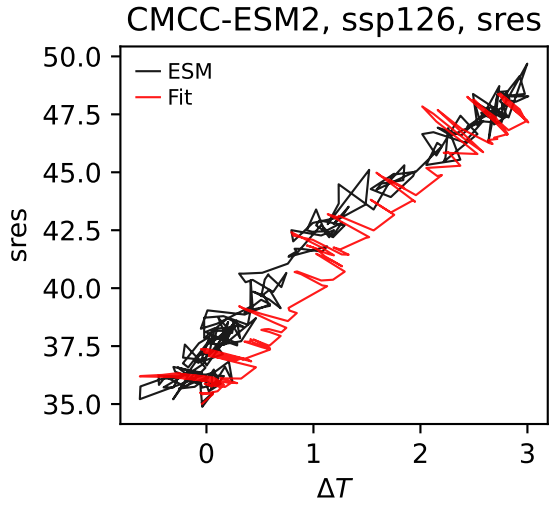

CMCC-ESM2, ssp126, vres, ln(MSE/SIGMA)
314, 0.0000, 15.6464, -0.9530, 0.1598, 0.0000, 0.9856, 0.7802, 0.
CMCC-ESM2
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

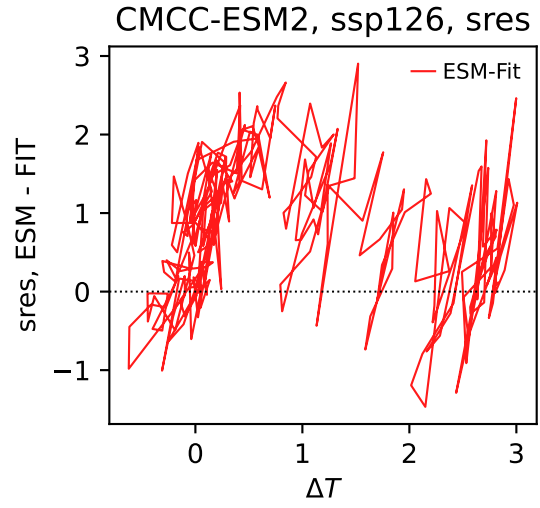

CMCC-ESM2, ssp126, vres, ln(MSE/SIGMA)
314, 0.0000, 15.6464, -0.9530, 0.1598, 0.0000, 0.9856, 0.7802, 0.
1e+13+6.355258752e-1
CMCC-ESM2
vres_c_tan2
vres_c_tan
0.04
0.02
0.00
−0.02
−0.04
5.401
5.241
5.081
4.922
4.761
4.601
4.441
4.281
4.121

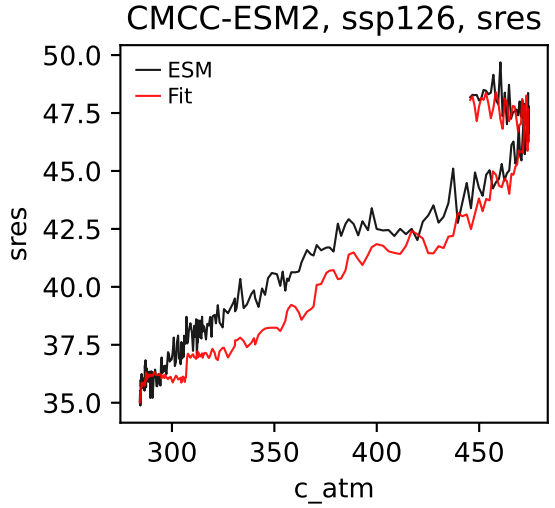

CMCC-ESM2, ssp126, vres, ln(MSE/SIGMA)
314, 0.0000, 15.6464, -0.9530, 0.1598, 0.0000, 0.9856, 0.7802, 0.
1e+13+6.3552587528e-1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
0.90
0.92
0.94
0.96
0.98
1.00
vres_fast
CMCC-ESM2
5.401
5.241
5.081
4.922
4.761
4.601
4.441
4.281
4.121

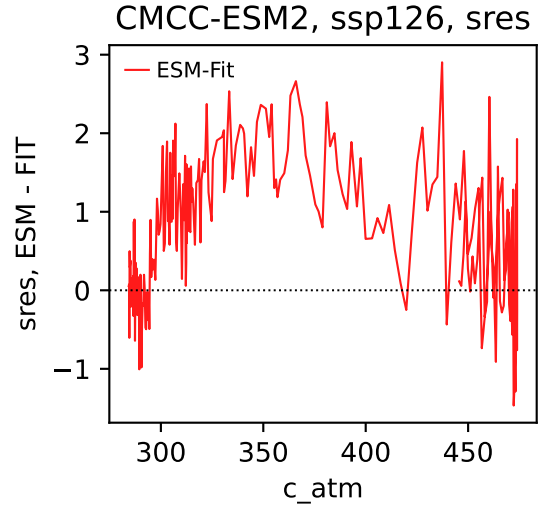

CMCC-ESM2, ssp126, sres
ESM
Fit
sres
Year

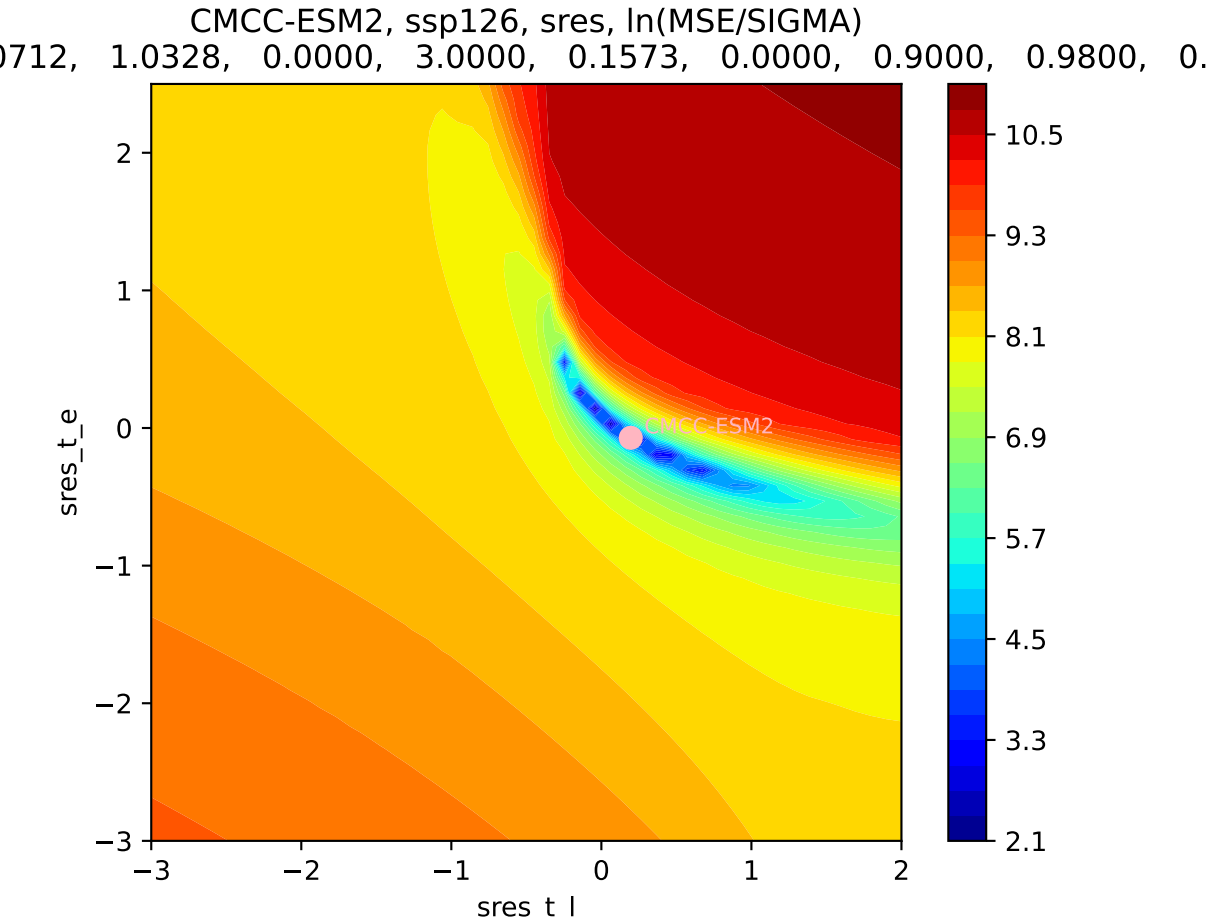

CMCC-ESM2, ssp126, sres
ESM-Fit
sres, ESM - FIT
Year

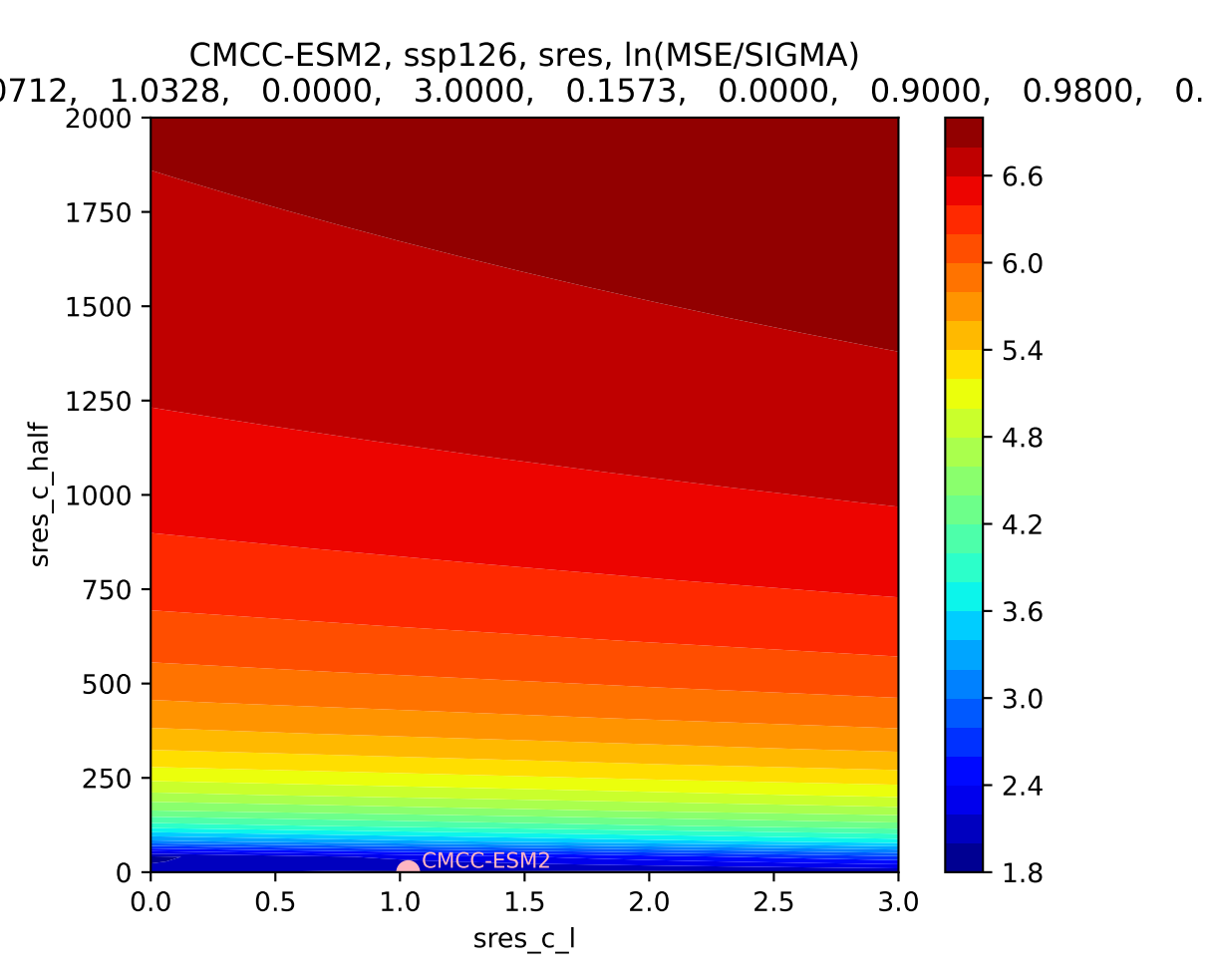

CMCC-ESM2, ssp126, sres
ESM
Fit
sres
ΔT

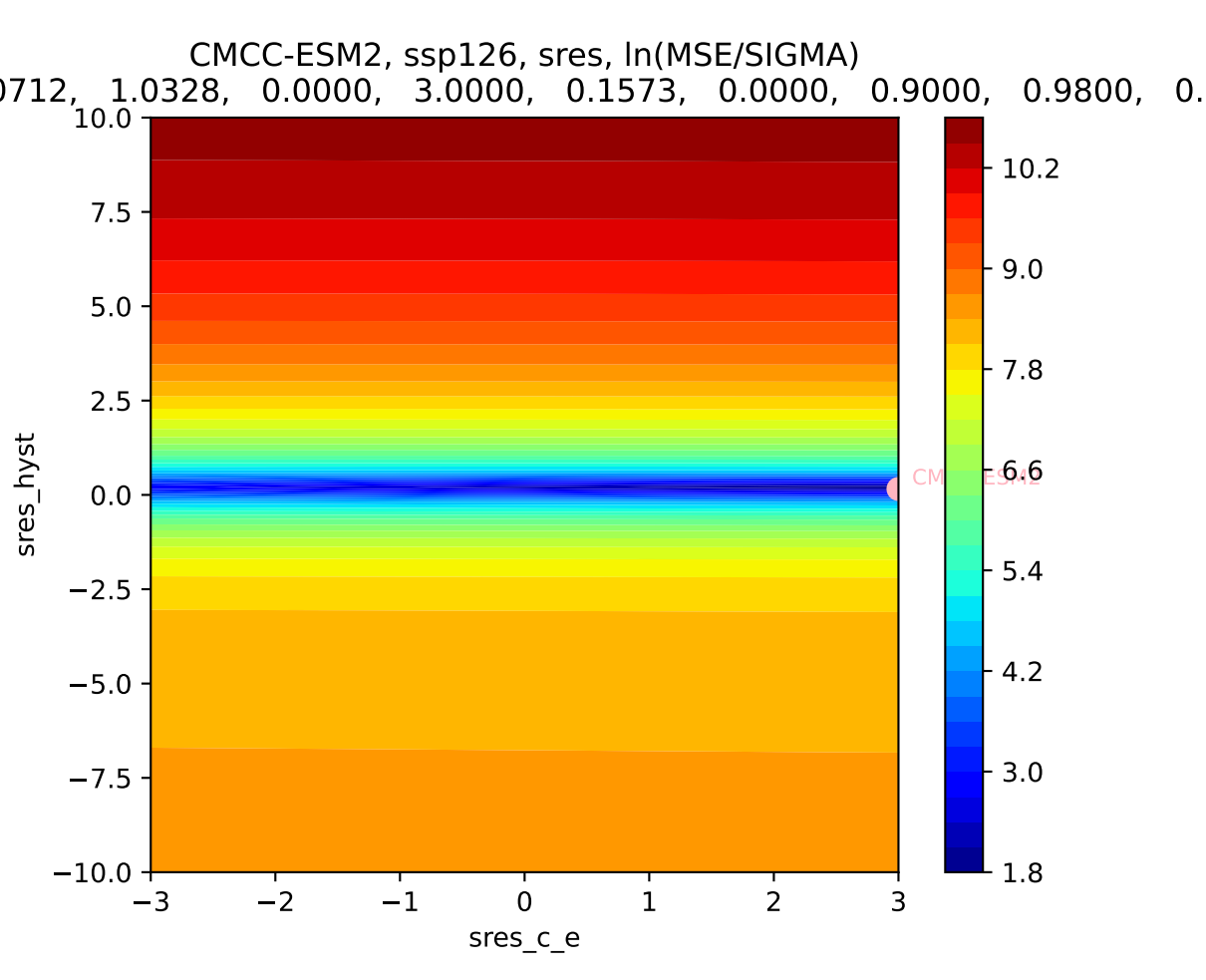

CMCC-ESM2, ssp126, sres
ESM-Fit
sres, ESM - FIT
ΔT

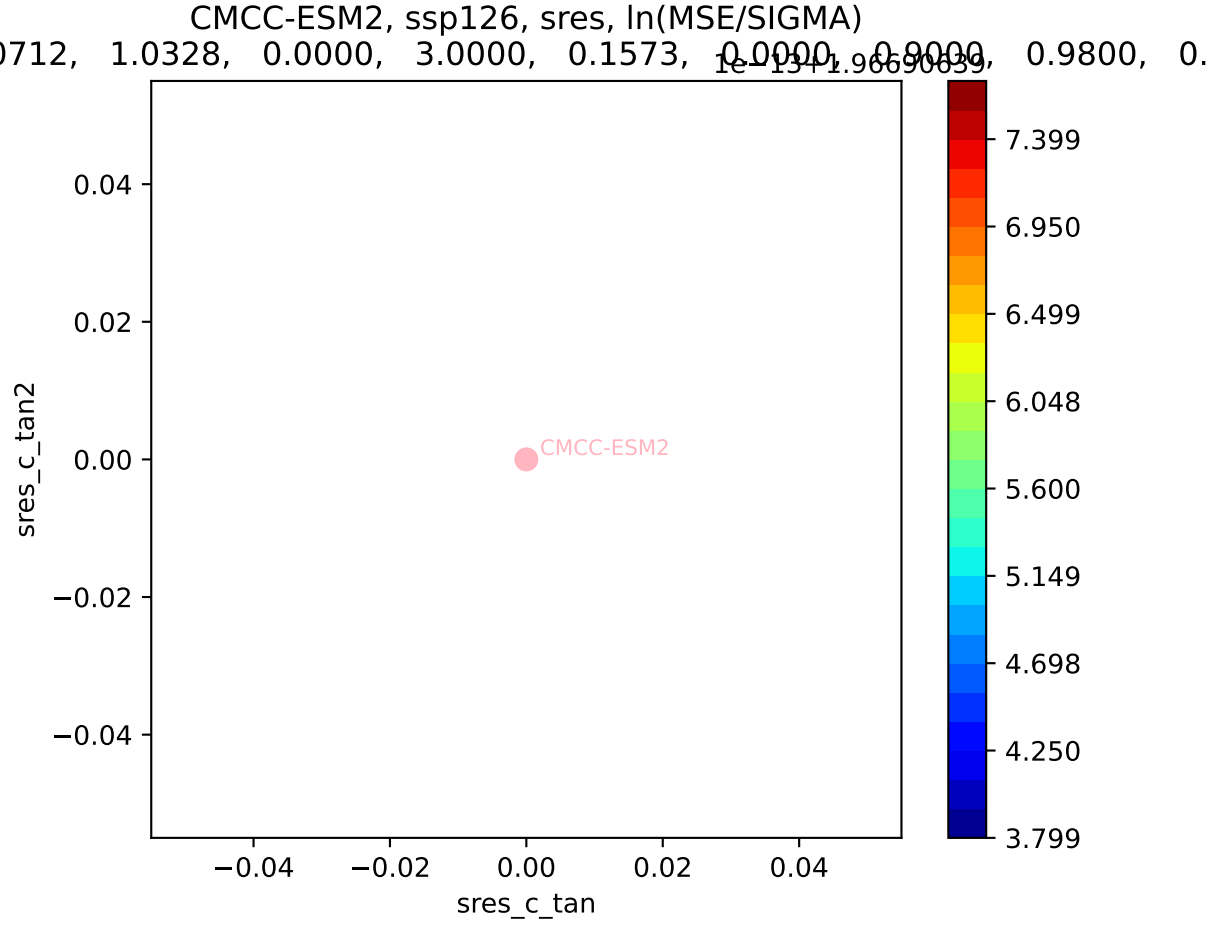

CMCC-ESM2, ssp126, sres
ESM
Fit
sres
c_atm

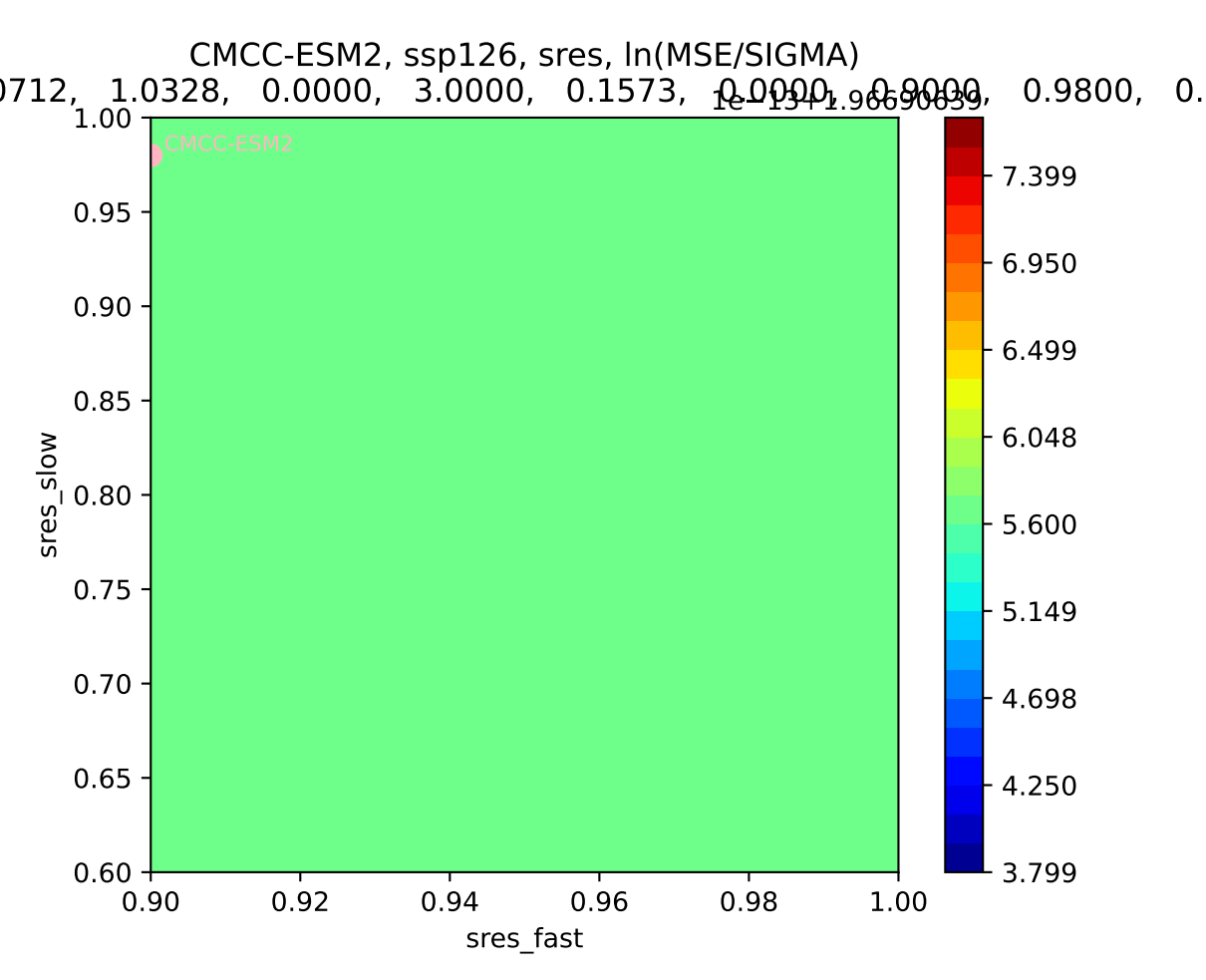

CMCC-ESM2, ssp126, sres
ESM-Fit
sres, ESM - FIT
c_atm

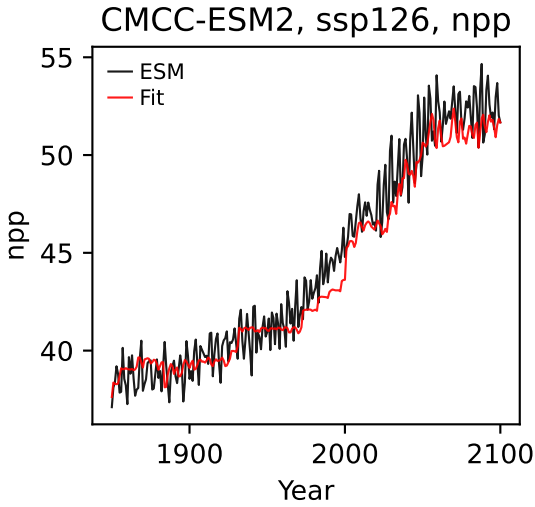

CMCC-ESM2, ssp126, sres, ln(MSE/SIGMA)
0712, 1.0328, 0.0000, 3.0000, 0.1573, 0.0000, 0.9000, 0.9800, 0.
CMCC-ESM2
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
10.5
9.3
8.1
6.9
5.7
4.5
3.3
2.1

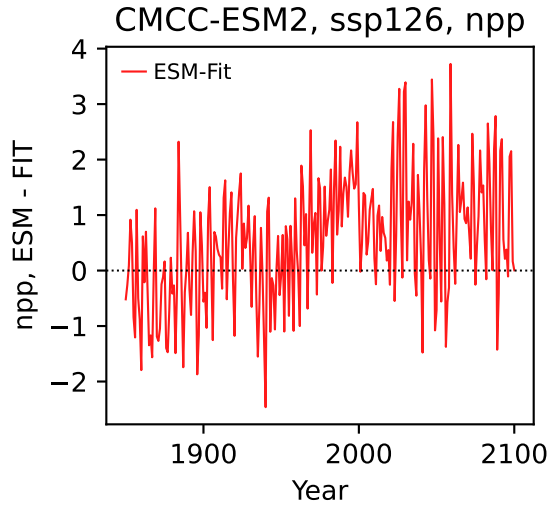

CMCC-ESM2, ssp126, sres, ln(MSE/SIGMA)
0712, 1.0328, 0.0000, 3.0000, 0.1573, 0.0000, 0.9000, 0.9800, 0.
sres_c_half
sres_c_l
CMCC-ESM2
2000
1750
1500
1250
1000
750
500
250
0
0.0
0.5
1.0
1.5
2.0
2.5
3.0
6.6
6.0
5.4
4.8
4.2
3.6
3.0
2.4
1.8

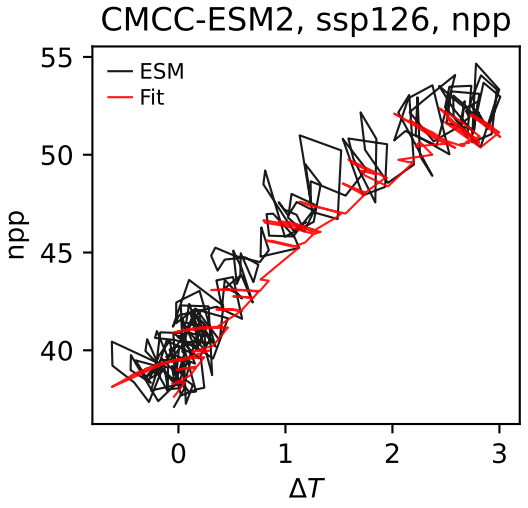

CMCC-ESM2, ssp126, sres, ln(MSE/SIGMA)
0712, 1.0328, 0.0000, 3.0000, 0.1573, 0.0000, 0.9000, 0.9800, 0.
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
10.2
9.0
7.8
6.6
5.4
4.2
3.0
1.8

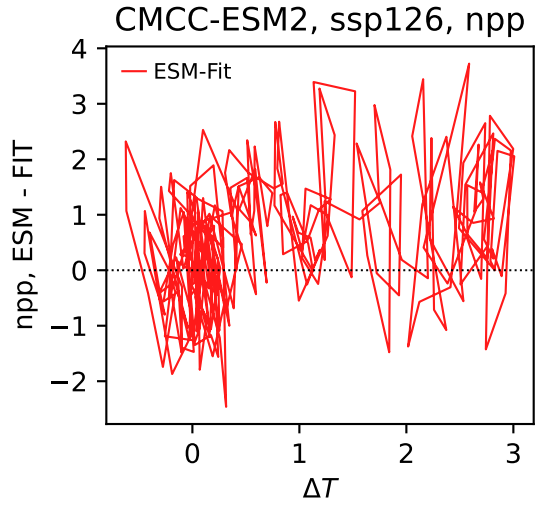

CMCC-ESM2, ssp126, sres, ln(MSE/SIGMA)
0712, 1.0328, 0.0000, 3.0000, 0.1573, 0.0000, 0.9000, 0.9800, 0.
1e-134 1.96690639
CMCC-ESM2
sres_c_tan2
sres_c_tan
0.04
0.02
0.00
−0.02
−0.04
7.399
6.950
6.499
6.048
5.600
5.149
4.698
4.250
3.799

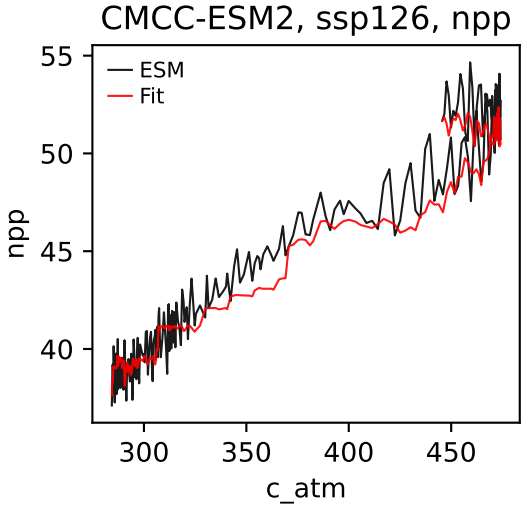

CMCC-ESM2, ssp126, sres, ln(MSE/SIGMA)
0712, 1.0328, 0.0000, 3.0000, 0.1573, 0.0000, 0.9000, 0.9800, 0.
1e-134 1.96690639
CMCC-ESM2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
sres_slow
0.90
0.92
0.94
0.96
0.98
1.00
sres_fast
7.399
6.950
6.499
6.048
5.600
5.149
4.698
4.250
3.799

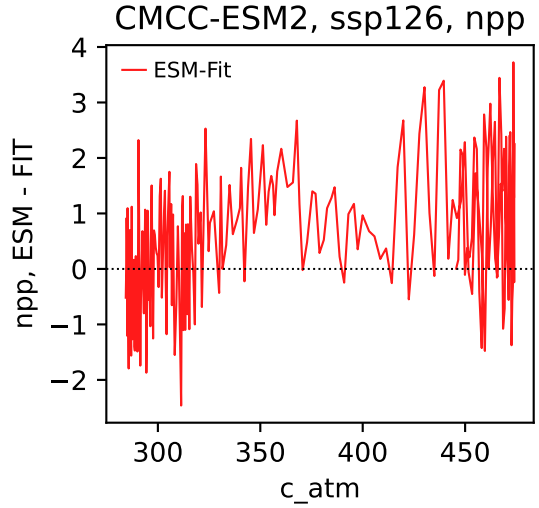

CMCC-ESM2, ssp126, npp
ESM
Fit
npp
Year

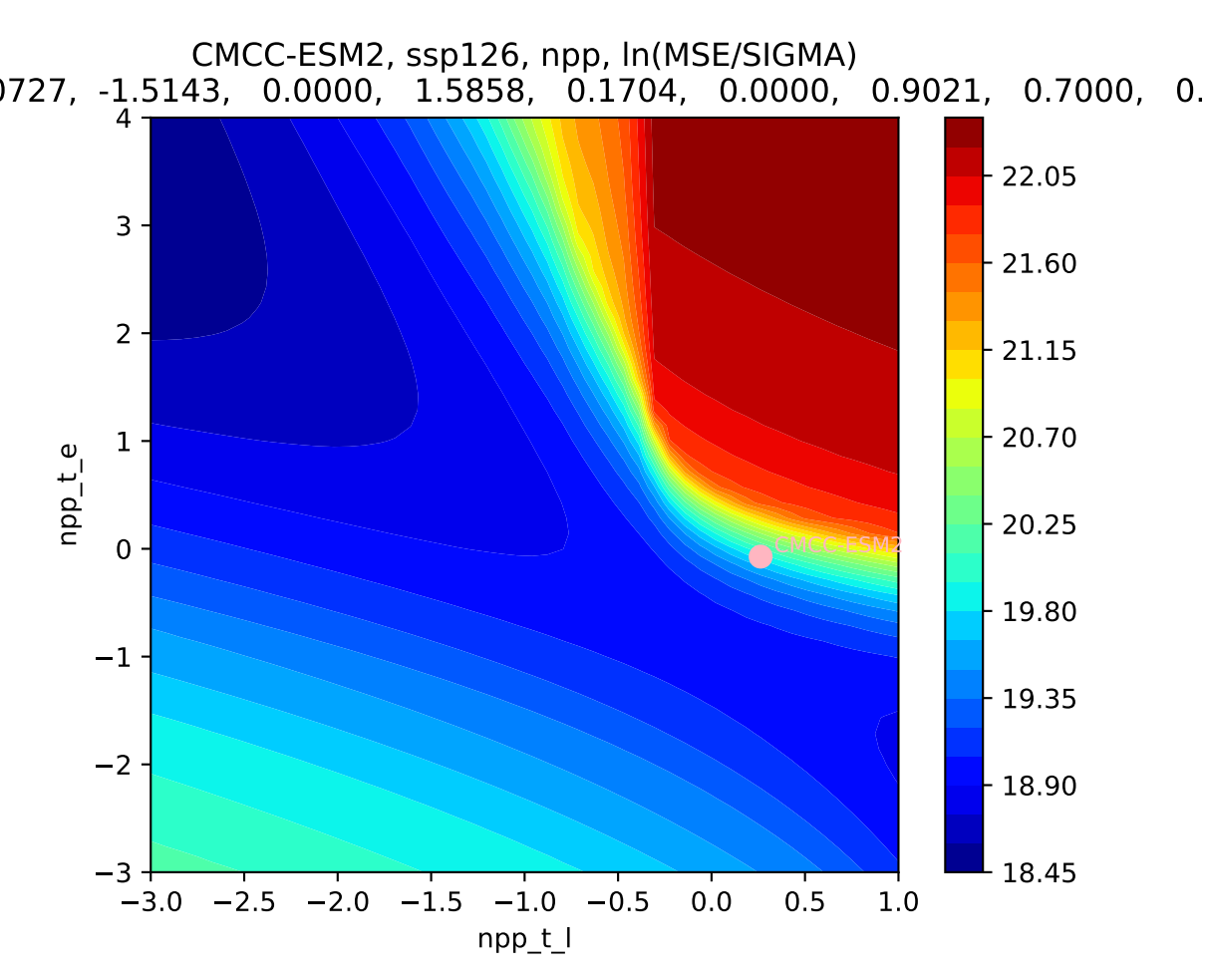

CMCC-ESM2, ssp126, npp
ESM-Fit
npp, ESM - FIT
Year

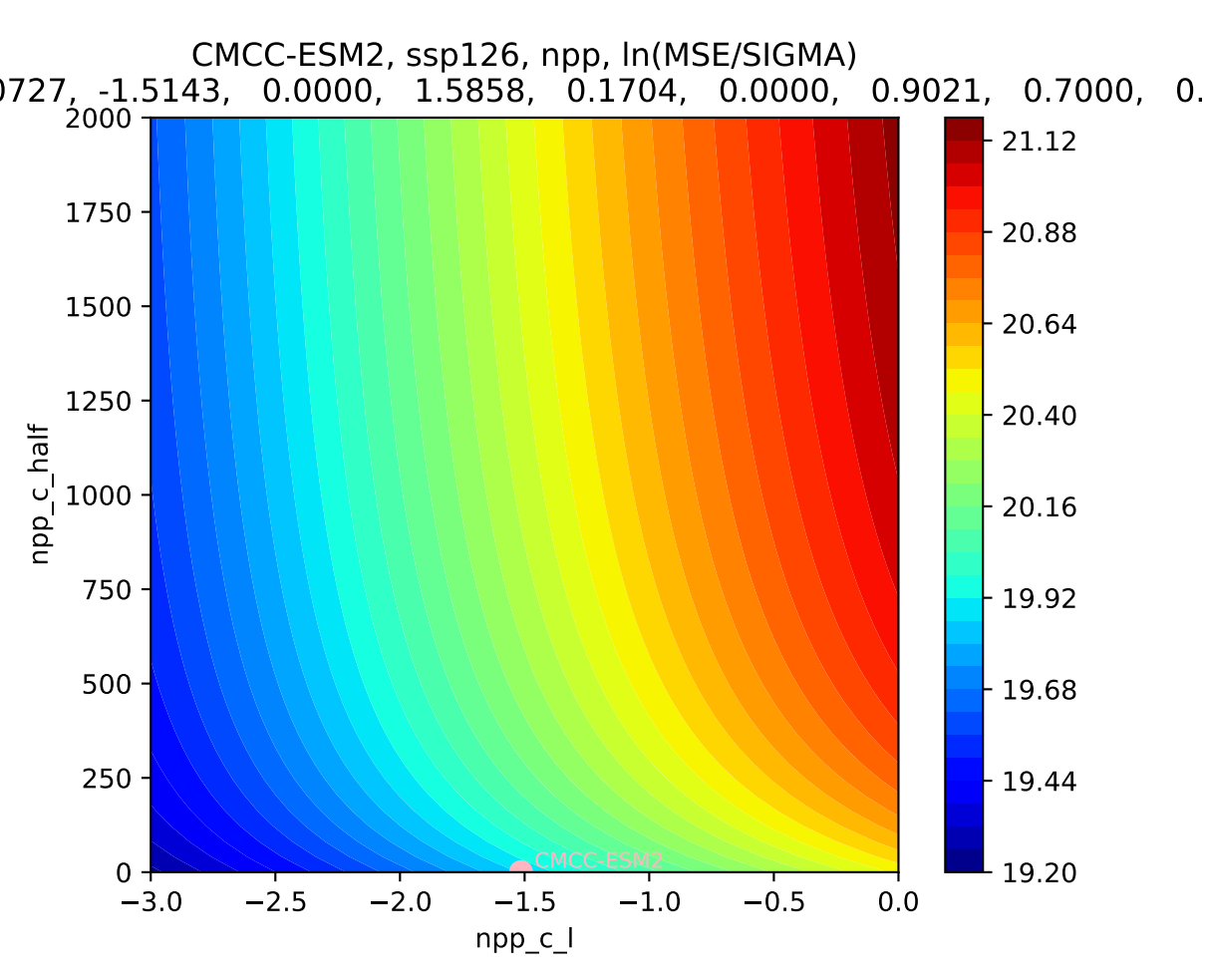

CMCC-ESM2, ssp126, npp
ESM
Fit
npp
ΔT

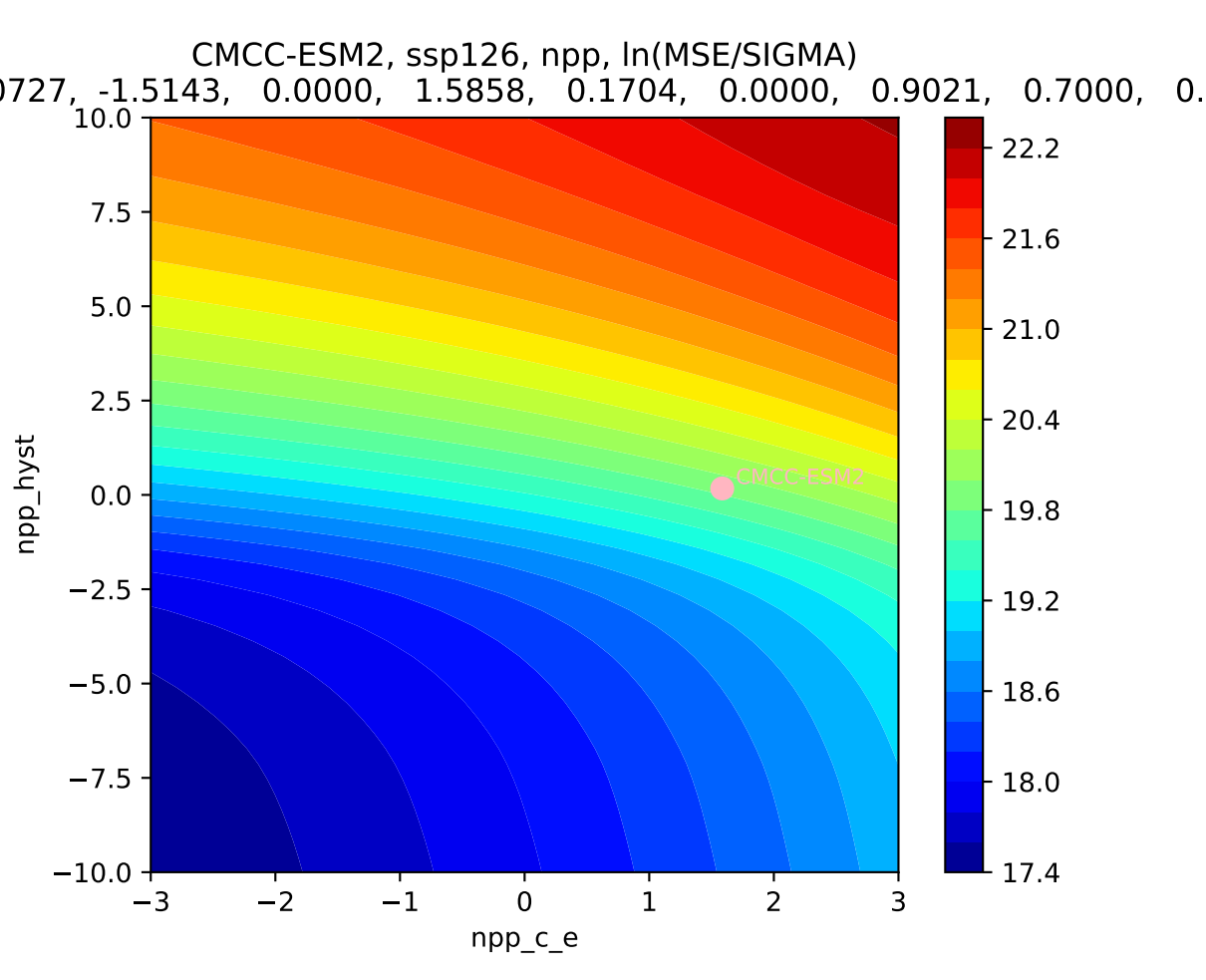

CMCC-ESM2, ssp126, npp
ESM-Fit
npp, ESM - FIT
ΔT

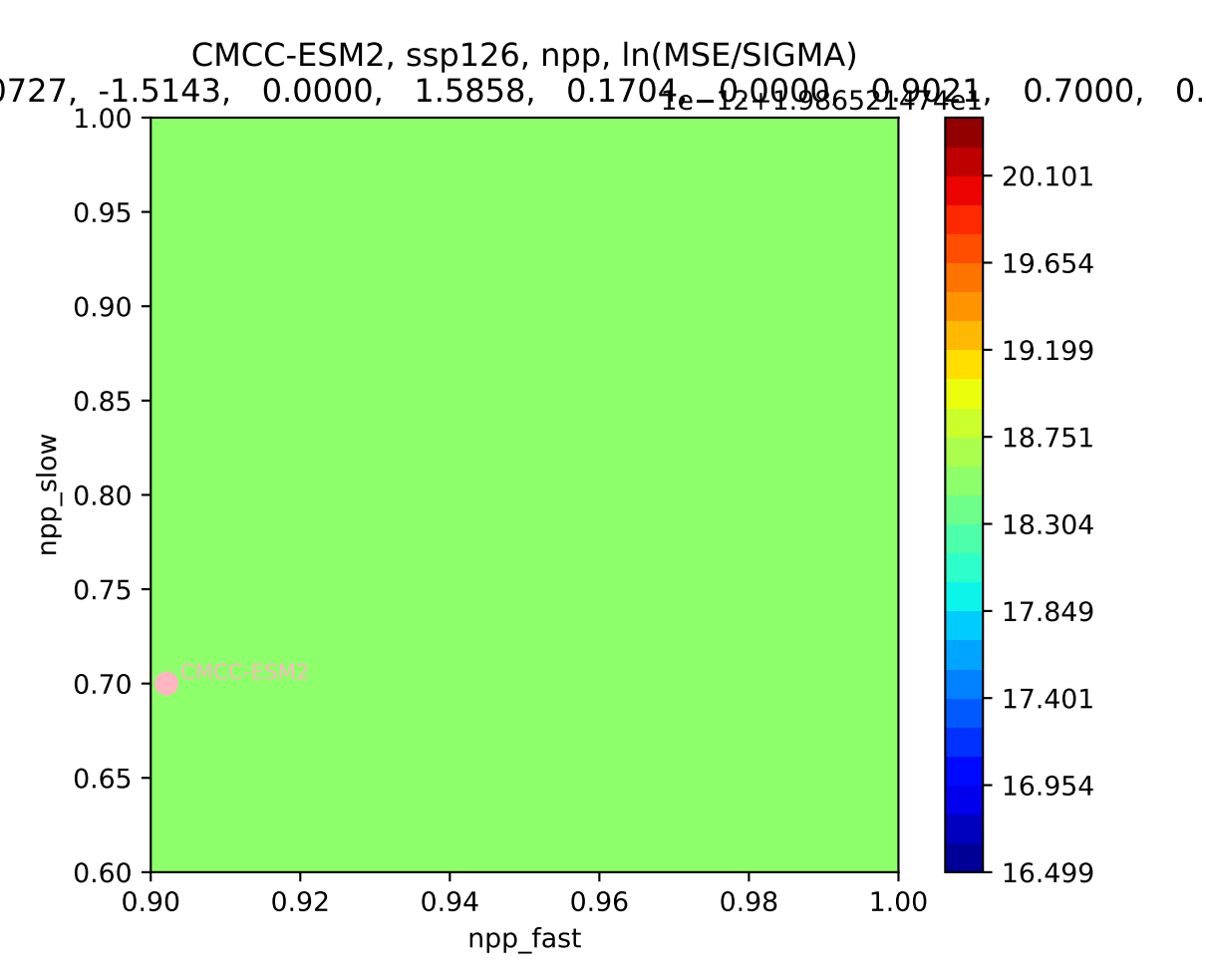

CMCC-ESM2, ssp126, npp
ESM
Fit
npp
c_atm

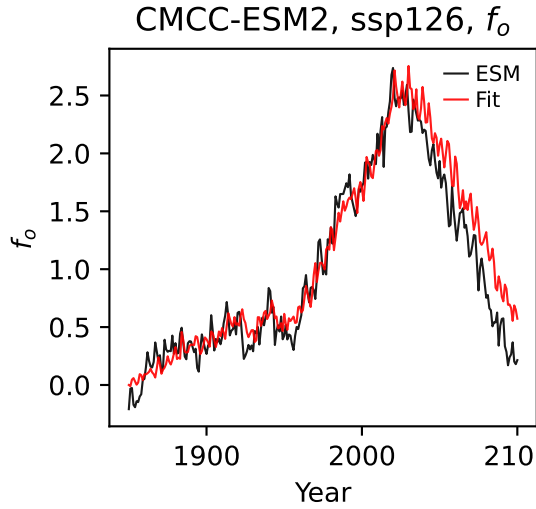

CMCC-ESM2, ssp126, npp
ESM-Fit
npp, ESM - FIT
c_atm

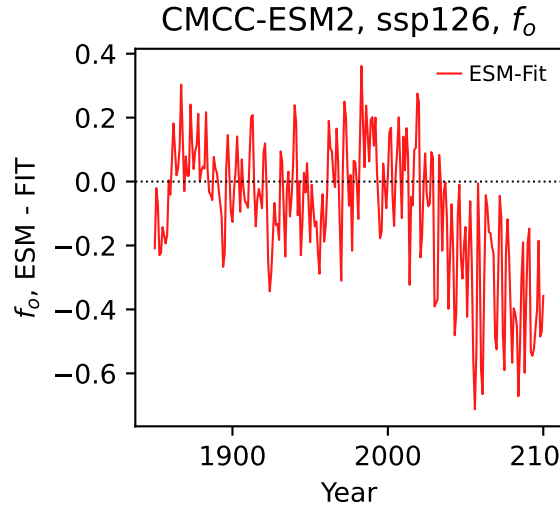

CMCC-ESM2, ssp126, npp, ln(MSE/SIGMA)
0727, -1.5143, 0.0000, 1.5858, 0.1704, 0.0000, 0.9021, 0.7000, 0.
npp_t_e
npp_t_l
CMCC-ESM2
22.05
21.60
21.15
20.70
20.25
19.80
19.35
18.90
18.45

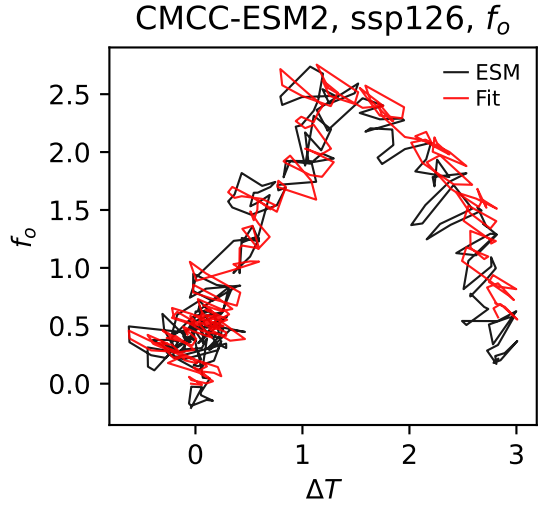

CMCC-ESM2, ssp126, npp, ln(MSE/SIGMA)
0727, -1.5143, 0.0000, 1.5858, 0.1704, 0.0000, 0.9021, 0.7000, 0.
npp_c_half
npp_c_l
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
CMCC-ESM2
21.12
20.88
20.64
20.40
20.16
19.92
19.68
19.44
19.20

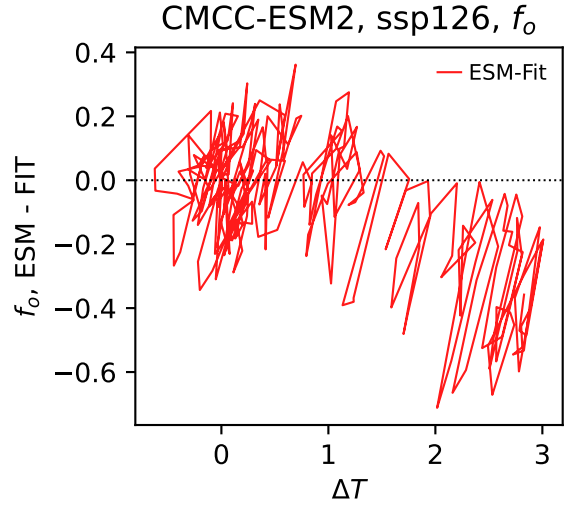

CMCC-ESM2, ssp126, npp, ln(MSE/SIGMA)
0727, -1.5143, 0.0000, 1.5858, 0.1704, 0.0000, 0.9021, 0.7000, 0.
CMCC-ESM2
npp_hyst
npp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.2
21.6
21.0
20.4
19.8
19.2
18.6
18.0
17.4

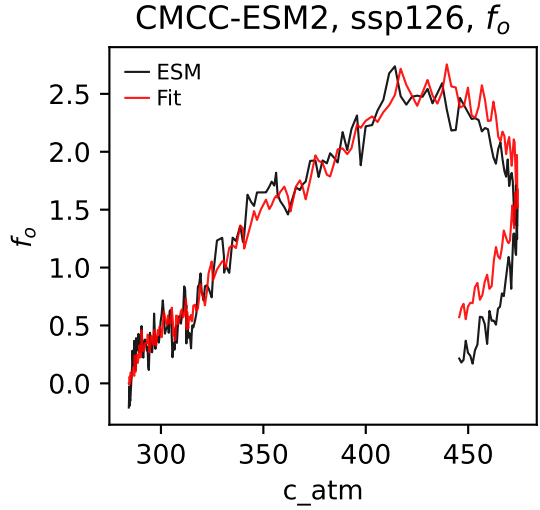

CMCC-ESM2, ssp126, npp, ln(MSE/SIGMA)
0727, -1.5143, 0.0000, 1.5858, 0.1704, 0.0000, 0.9021, 0.7000, 0.
1e−12+1.9865214744e1
20.101
19.654
19.199
18.751
18.304
17.849
17.401
16.954
16.499
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
CMCC-ESM2
0.90
0.92
0.94
0.96
0.98
1.00
npp_fast

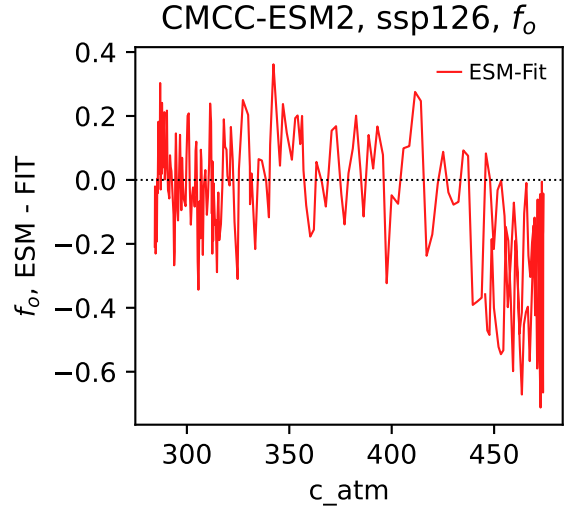

CMCC-ESM2, ssp126, f_o
ESM
Fit
f_o
Year

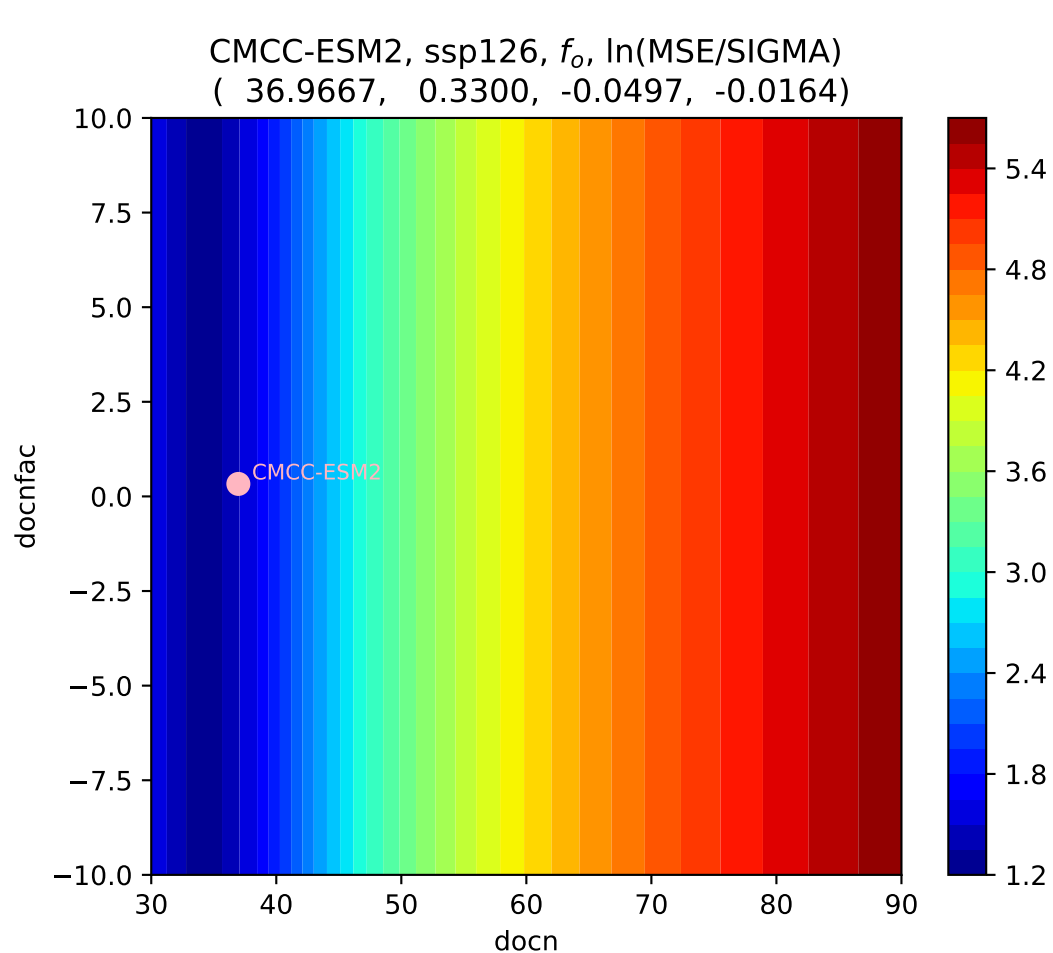

CMCC-ESM2, ssp126, f_o
ESM-Fit
f_o, ESM - FIT
Year

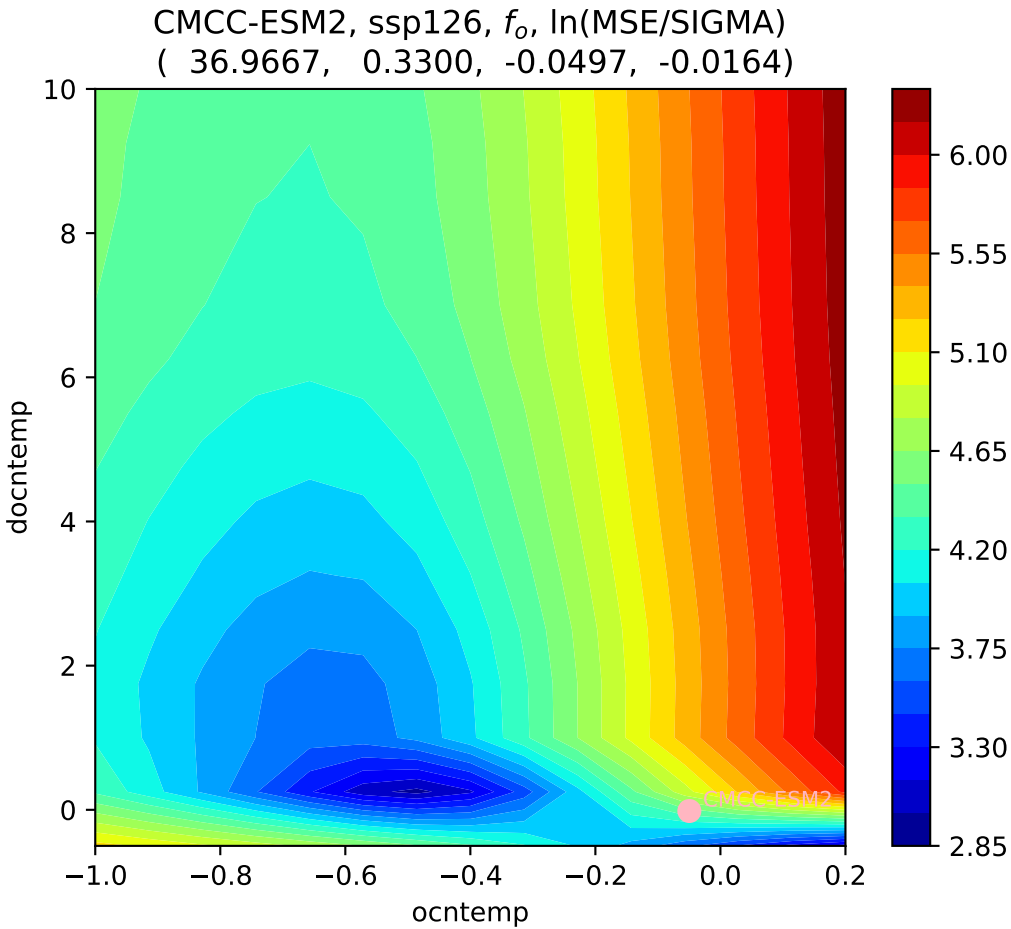

CMCC-ESM2, ssp126, f_o
ESM
Fit
f_o
ΔT


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)
(36.9667, 0.3300, -0.0497, -0.0164)
CMCC-ESM2
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
5.4
4.8
4.2
3.6
3.0
2.4
1.8
1.2


CMCC-ESM2, ssp126, f_o, ln(MSE/SIGMA)
(36.9667, 0.3300, -0.0497, -0.0164)
10
8
6
4
2
0
docntemp
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
ocntemp
CMCC-ESM2
6.00
5.55
5.10
4.65
4.20
3.75
3.30
2.85