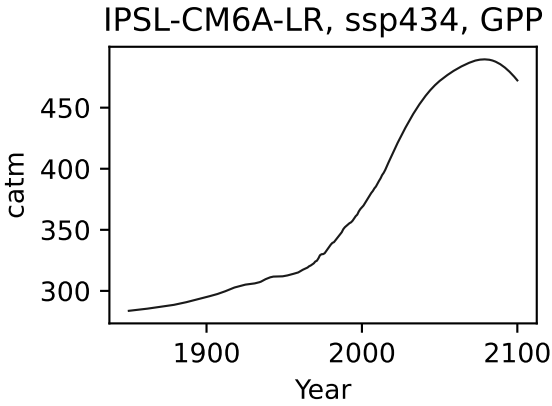
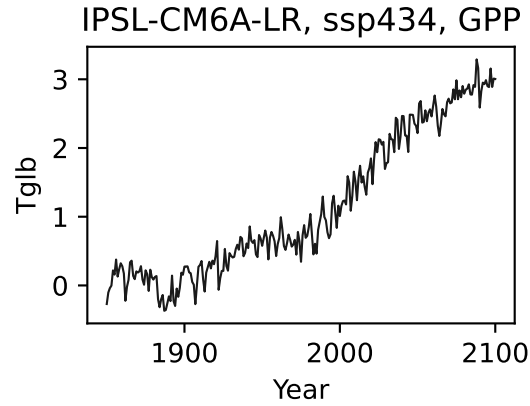
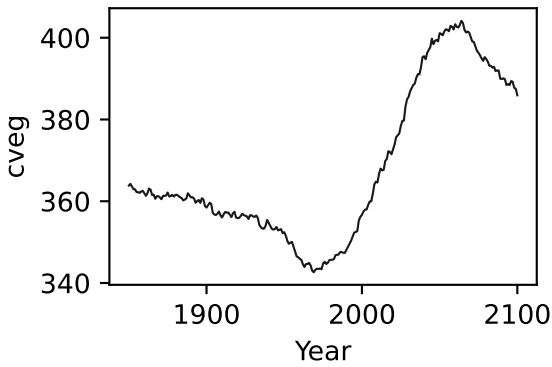
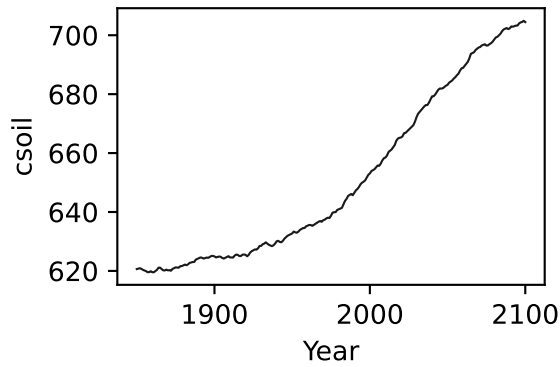
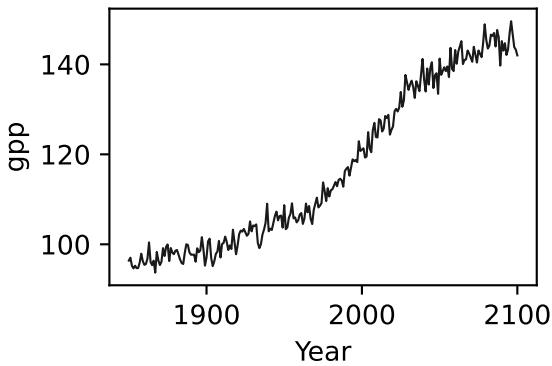
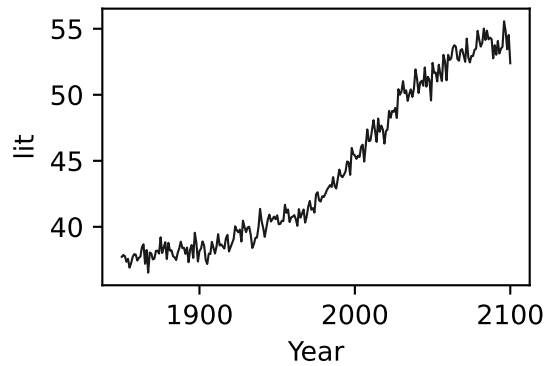

IPSL-CM6A-LR, ssp434, GPP
catm
450
400
350
300
1900
2000
2100
Year

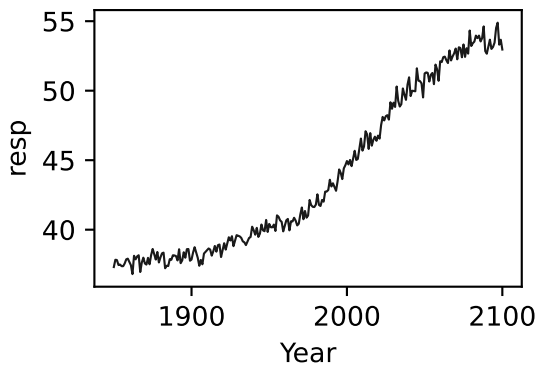

IPSL-CM6A-LR, ssp434, GPP
Tglb
3
2
1
0
1900
2000
2100
Year

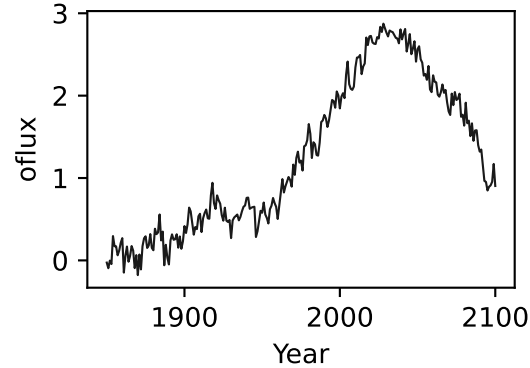

cveg
400
380
360
340
1900
2000
2100
Year

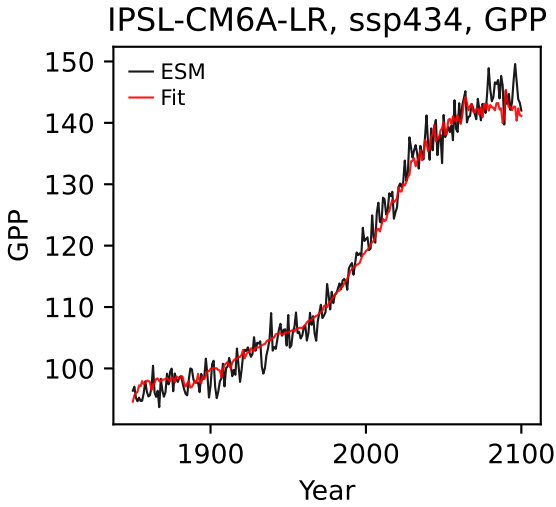

csoil
700
680
660
640
620
1900
2000
2100
Year

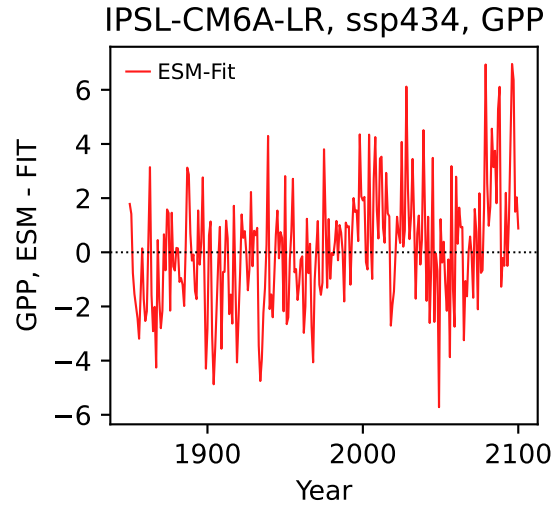

gpp
140
120
100
1900
2000
2100
Year

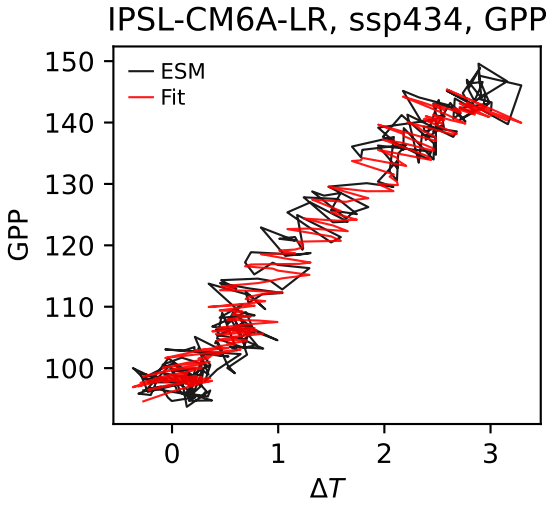

lit
55
50
45
40
1900
2000
2100
Year

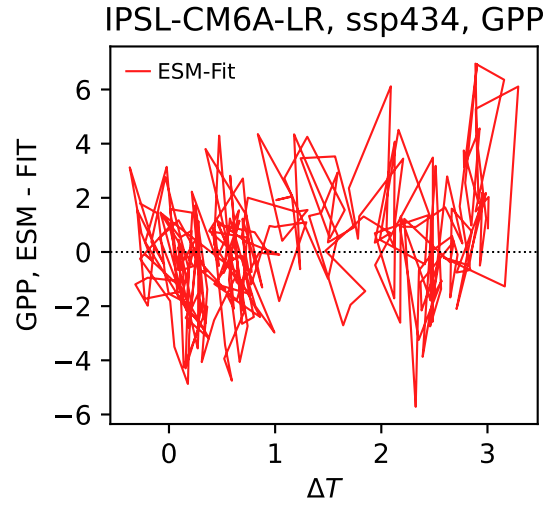

resp
55
50
45
40
1900
2000
2100
Year

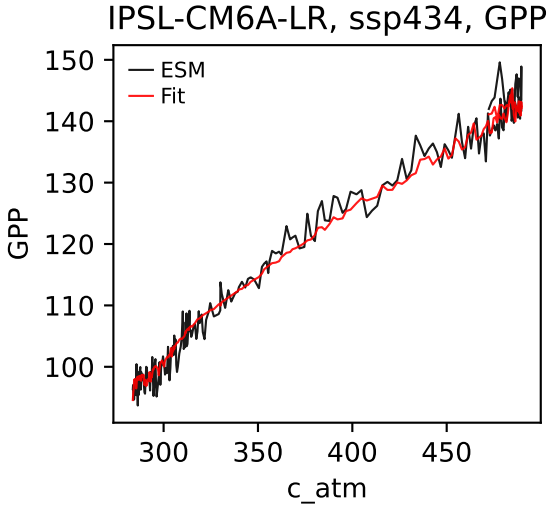

oflux
3
2
1
0
1900
2000
2100
Year

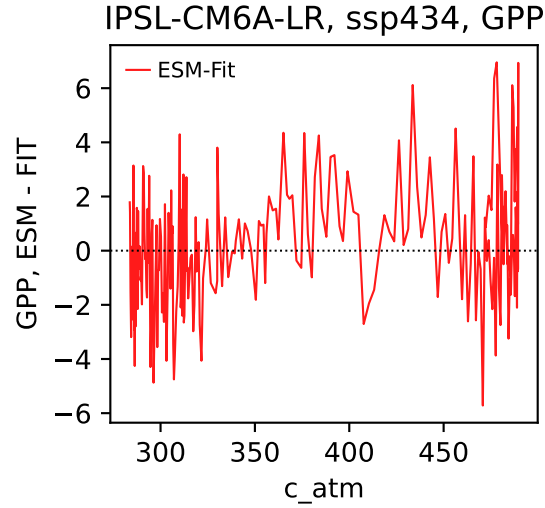

IPSL-CM6A-LR, ssp434, GPP
ESM
Fit
GPP
Year

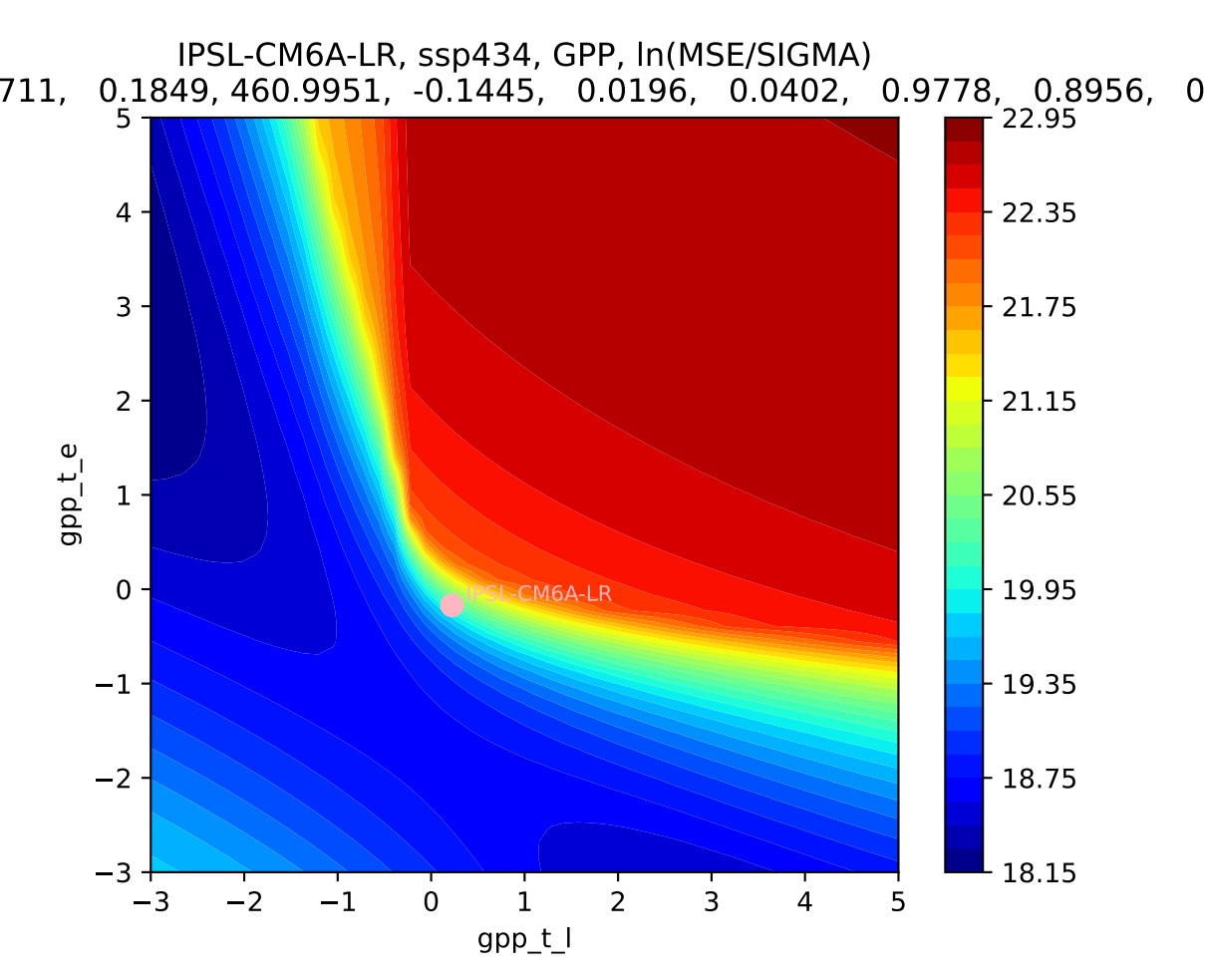

IPSL-CM6A-LR, ssp434, GPP
ESM-Fit
GPP, ESM - FIT
Year

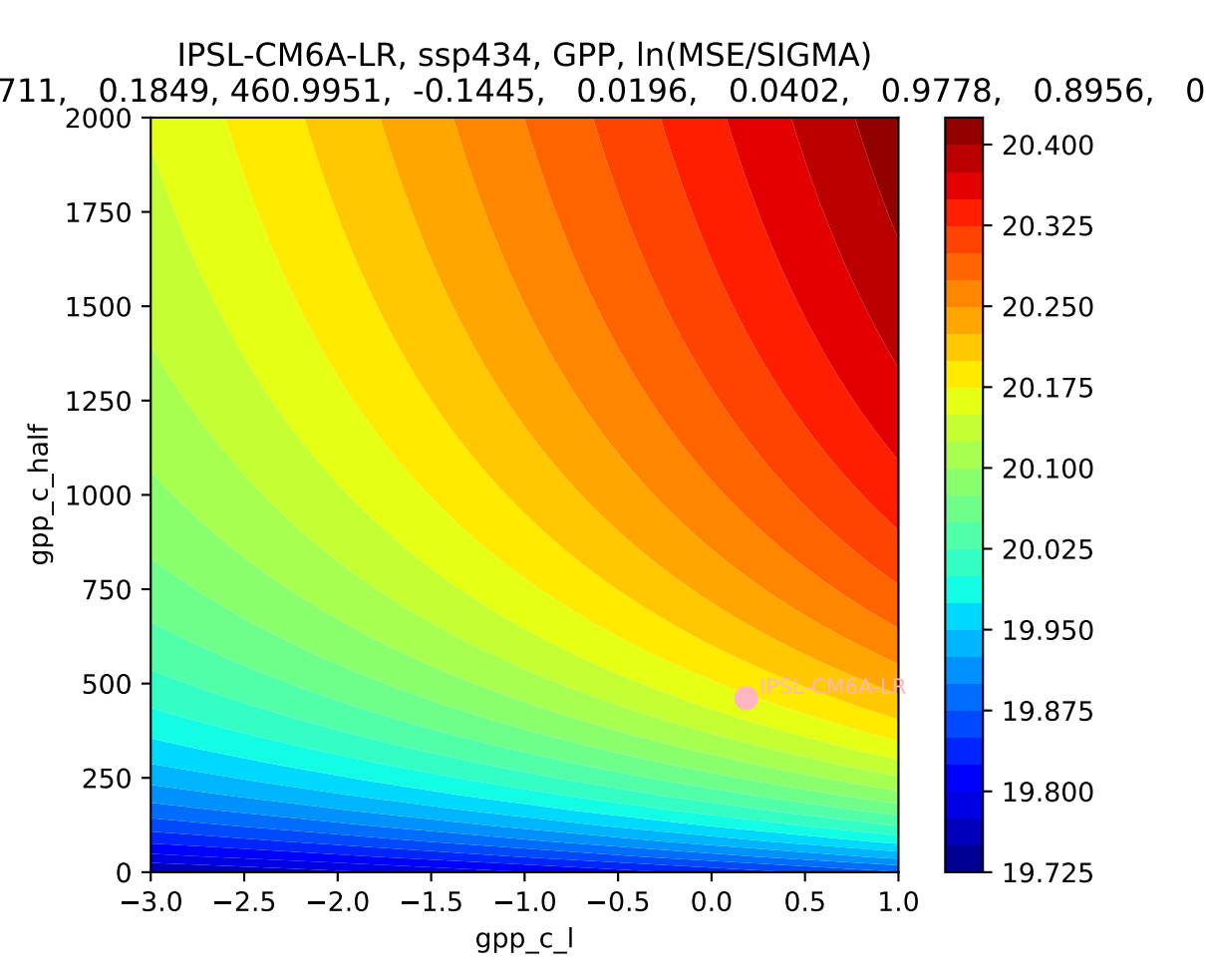

IPSL-CM6A-LR, ssp434, GPP
ESM
Fit
GPP
ΔT

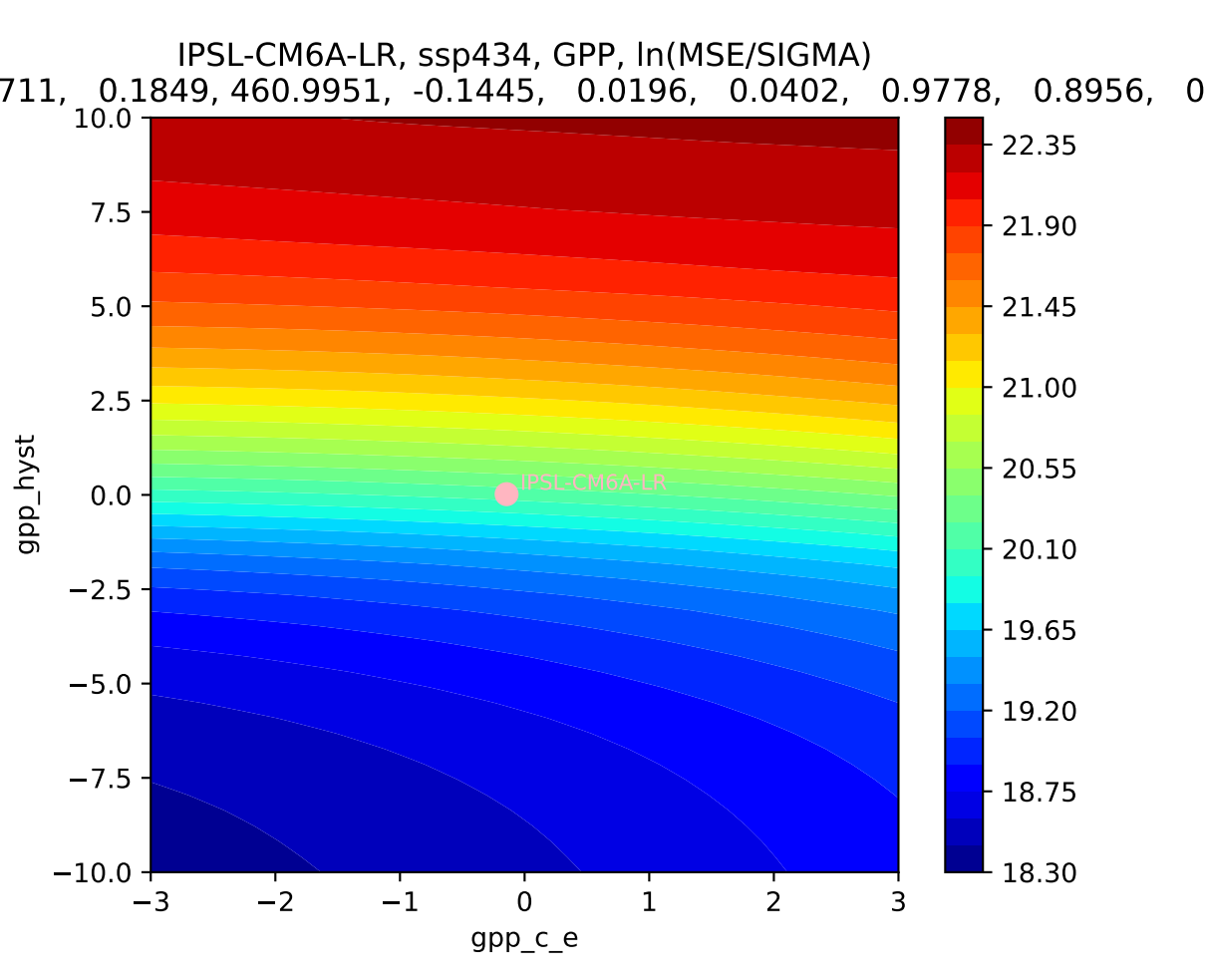

IPSL-CM6A-LR, ssp434, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

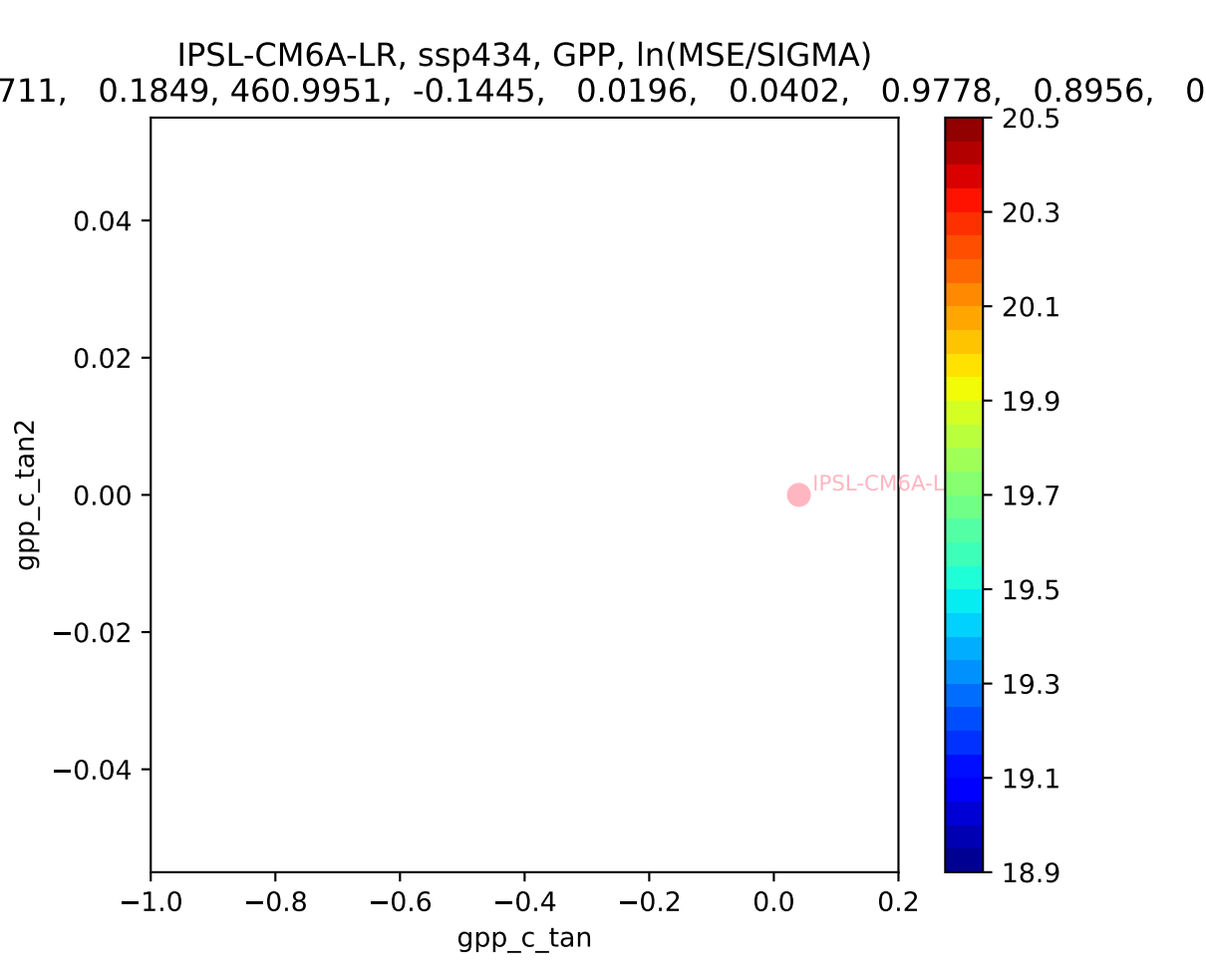

IPSL-CM6A-LR, ssp434, GPP
ESM
Fit
GPP
c_atm

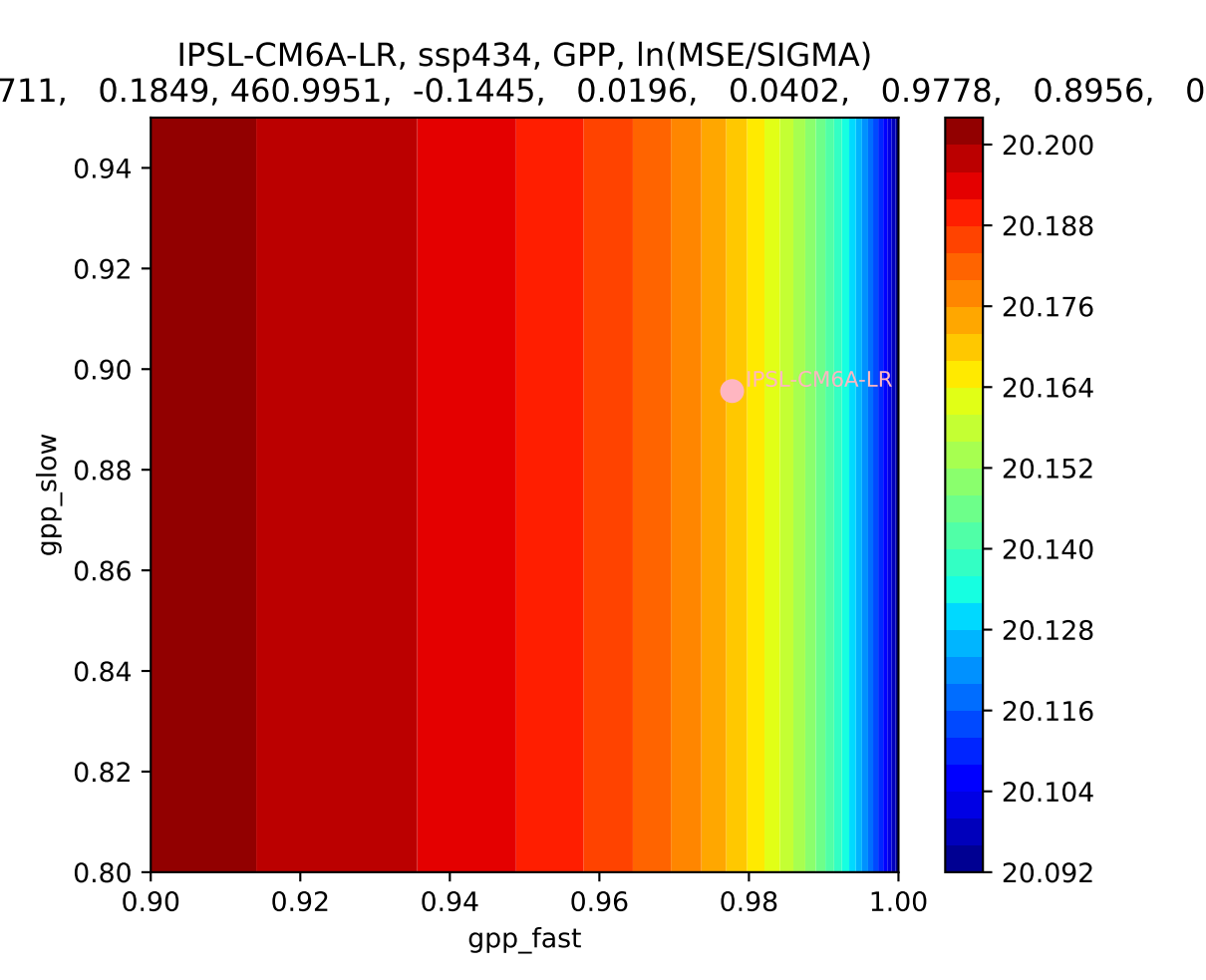

IPSL-CM6A-LR, ssp434, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

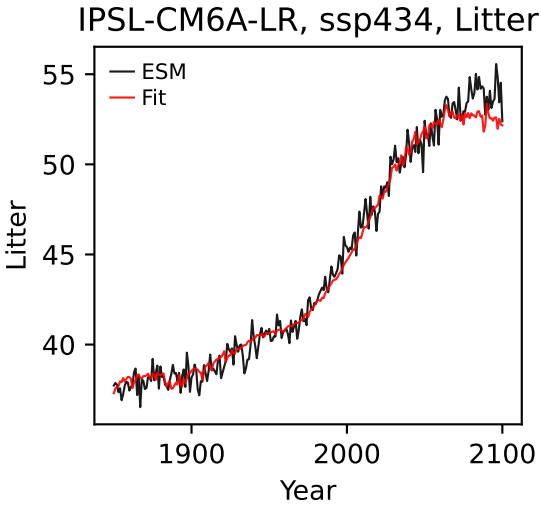

IPSL-CM6A-LR, ssp434, GPP, ln(MSE/SIGMA)
711, 0.1849, 460.9951, -0.1445, 0.0196, 0.0402, 0.9778, 0.8956, 0
IPSL-CM6A-LR
gpp_t_e
gpp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
22.95
22.35
21.75
21.15
20.55
19.95
19.35
18.75
18.15

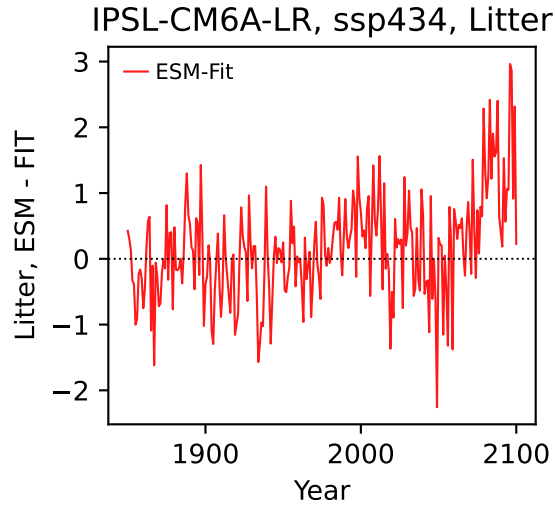

IPSL-CM6A-LR, ssp434, GPP, ln(MSE/SIGMA)
711, 0.1849, 460.9951, -0.1445, 0.0196, 0.0402, 0.9778, 0.8956, 0
gpp_c_half
gpp_c_l
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
20.400
20.325
20.250
20.175
20.100
20.025
19.950
19.875
19.800
19.725
IPSL-CM6A-LR

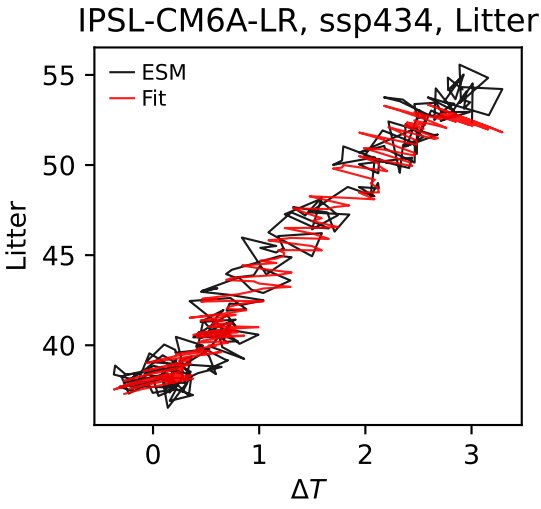

IPSL-CM6A-LR, ssp434, GPP, ln(MSE/SIGMA)
711, 0.1849, 460.9951, -0.1445, 0.0196, 0.0402, 0.9778, 0.8956, 0
IPSL-CM6A-LR
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.35
21.90
21.45
21.00
20.55
20.10
19.65
19.20
18.75
18.30

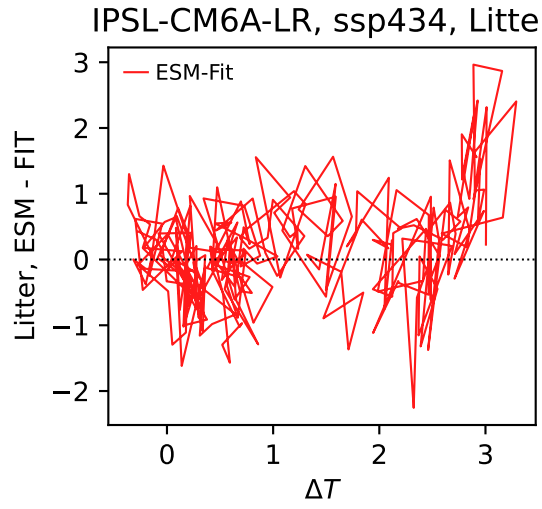

IPSL-CM6A-LR, ssp434, GPP, ln(MSE/SIGMA)
711, 0.1849, 460.9951, -0.1445, 0.0196, 0.0402, 0.9778, 0.8956, 0
IPSL-CM6A-L
gpp_c_tan2
gpp_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
20.5
20.3
20.1
19.9
19.7
19.5
19.3
19.1
18.9

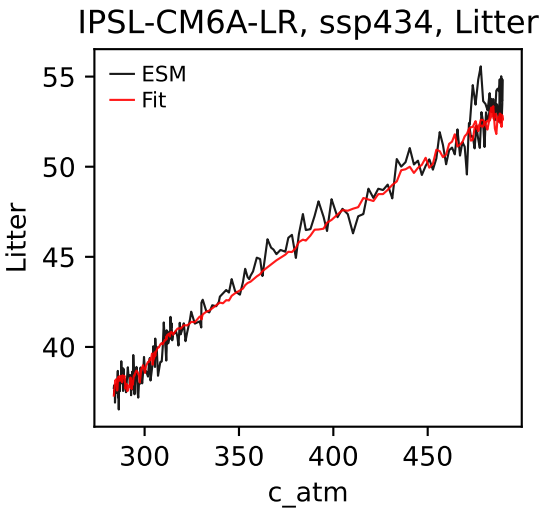

IPSL-CM6A-LR, ssp434, GPP, ln(MSE/SIGMA)
711, 0.1849, 460.9951, -0.1445, 0.0196, 0.0402, 0.9778, 0.8956, 0
IPSL-CM6A-LR
gpp_slow
gpp_fast
0.80
0.82
0.84
0.86
0.88
0.90
0.92
0.94
0.90
0.92
0.94
0.96
0.98
1.00
20.200
20.188
20.176
20.164
20.152
20.140
20.128
20.116
20.104
20.092

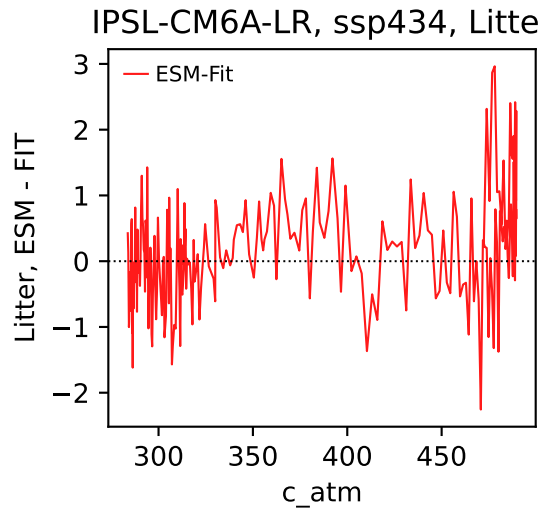

IPSL-CM6A-LR, ssp434, Litter
ESM
Fit
Litter
Year
55
50
45
40
1900
2000
2100

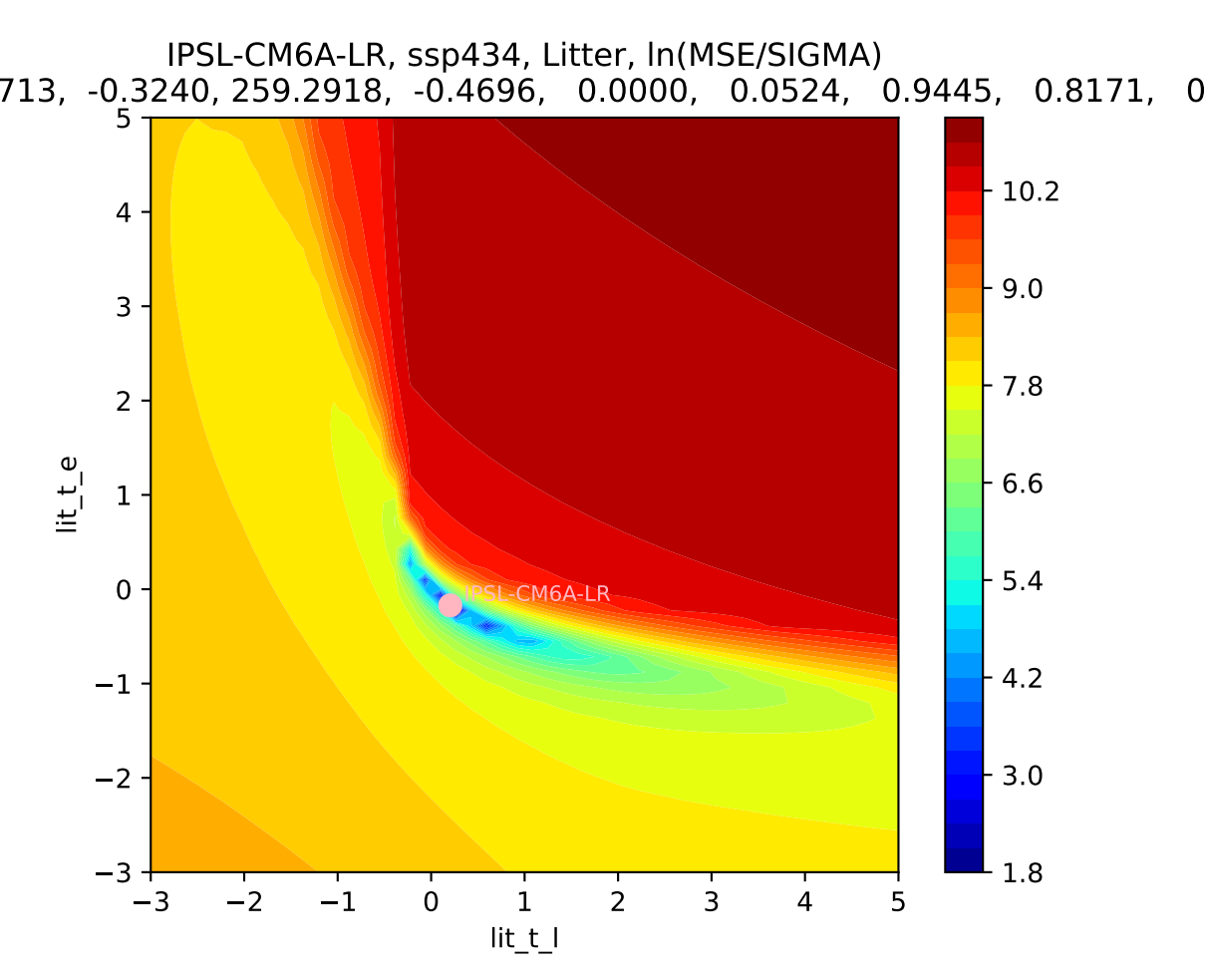

IPSL-CM6A-LR, ssp434, Litter
ESM-Fit
Litter, ESM - FIT
Year
3
2
1
0
−1
−2
1900
2000
2100

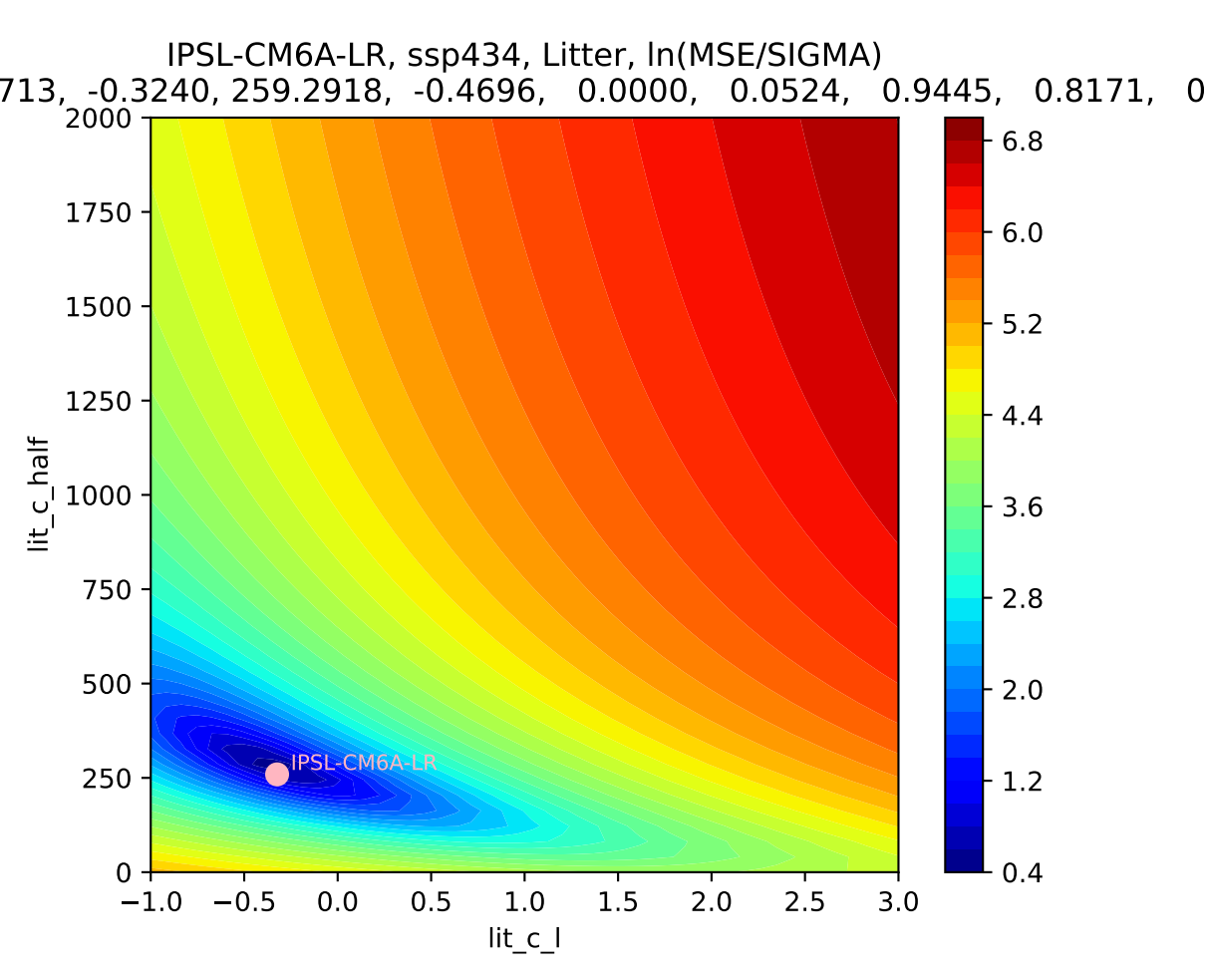

IPSL-CM6A-LR, ssp434, Litter
ESM
Fit
Litter
ΔT
55
50
45
40
0
1
2
3

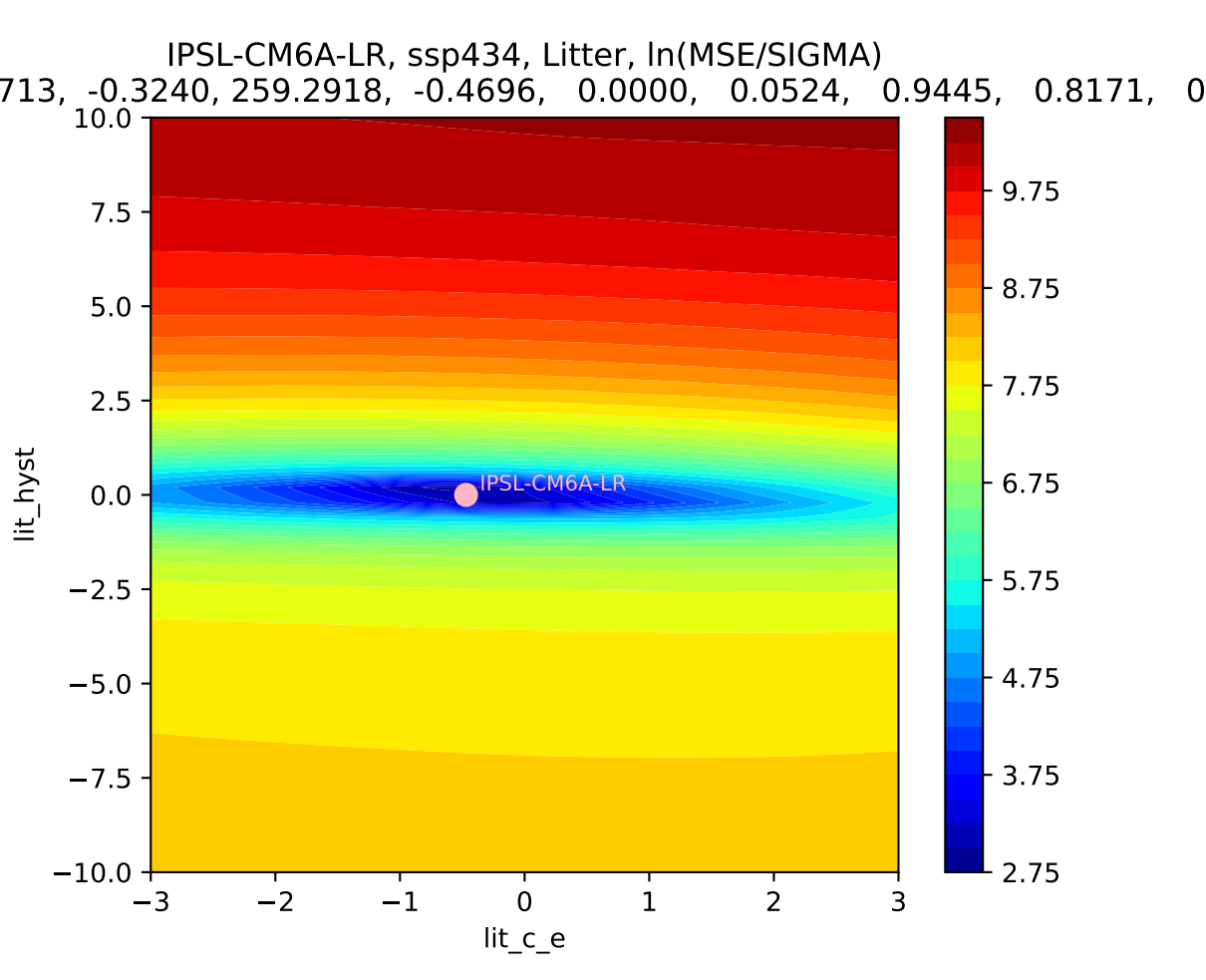

IPSL-CM6A-LR, ssp434, Litter
ESM-Fit
Litter, ESM - FIT
ΔT
3
2
1
0
−1
−2
0
1
2
3

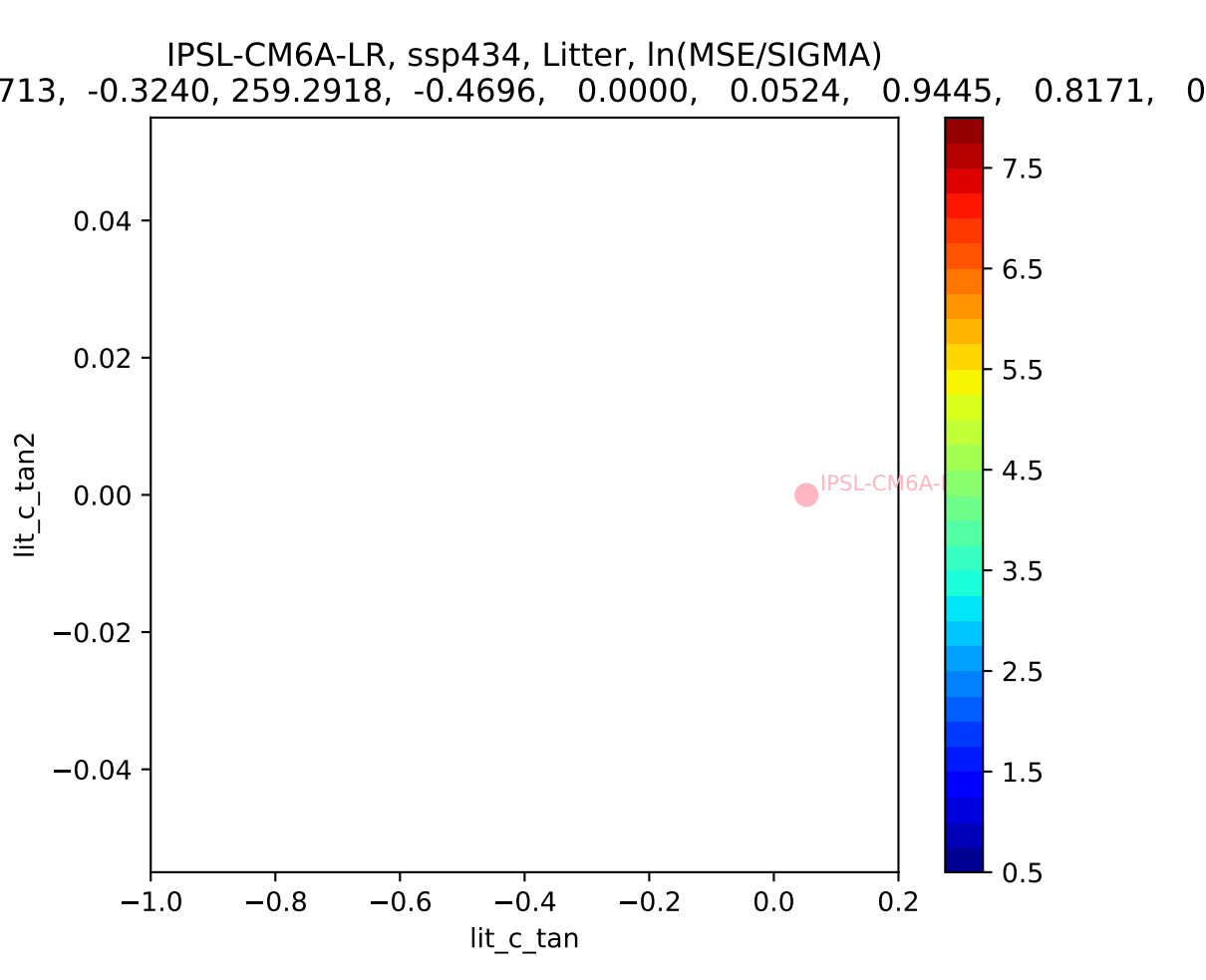

IPSL-CM6A-LR, ssp434, Litter
ESM
Fit
Litter
c_atm
55
50
45
40
300
350
400
450

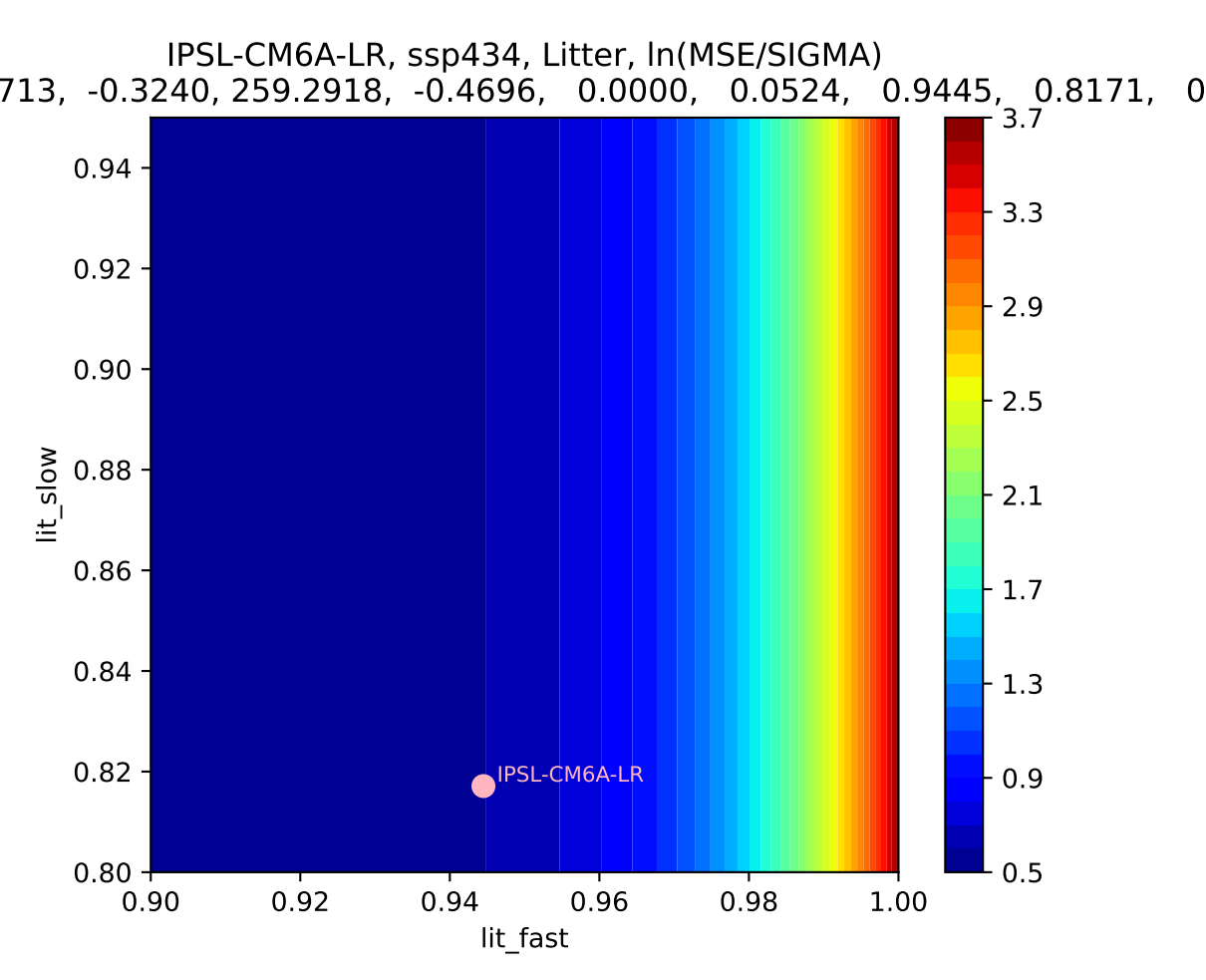

IPSL-CM6A-LR, ssp434, Litter
ESM-Fit
Litter, ESM - FIT
c_atm
3
2
1
0
−1
−2
300
350
400
450

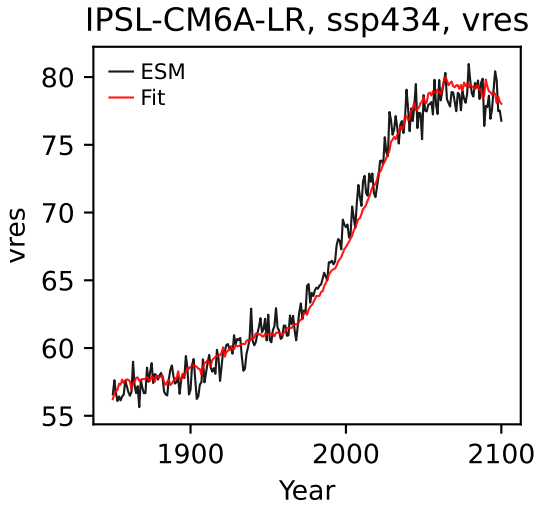

IPSL-CM6A-LR, ssp434, Litter, ln(MSE/SIGMA)
713, -0.3240, 259.2918, -0.4696, 0.0000, 0.0524, 0.9445, 0.8171, 0
IPSL-CM6A-LR
lit_t_e
lit_t_l
10.2
9.0
7.8
6.6
5.4
4.2
3.0
1.8

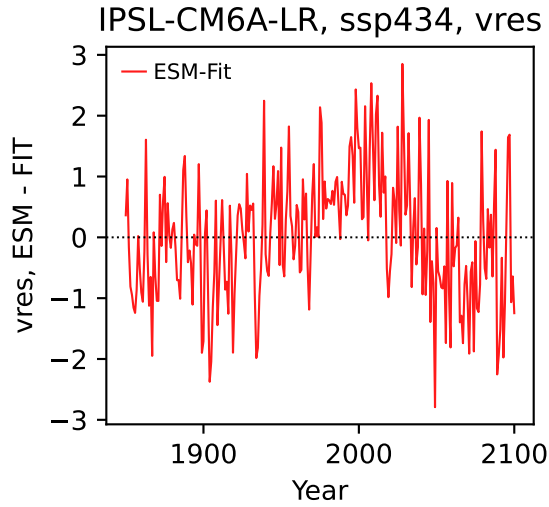

IPSL-CM6A-LR, ssp434, Litter, ln(MSE/SIGMA)
713, -0.3240, 259.2918, -0.4696, 0.0000, 0.0524, 0.9445, 0.8171, 0
lit_c_half
lit_c_l
IPSL-CM6A-LR
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
6.8
6.0
5.2
4.4
3.6
2.8
2.0
1.2
0.4

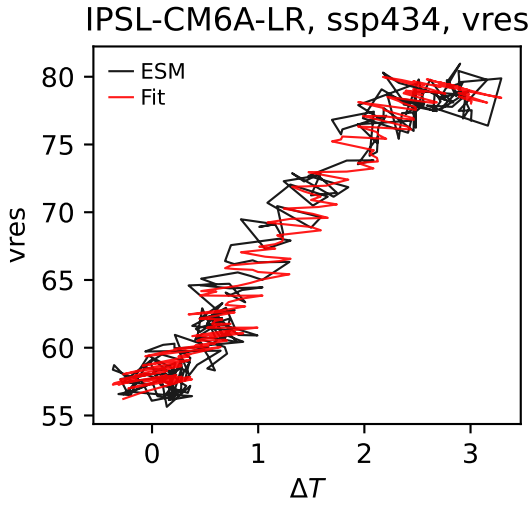

IPSL-CM6A-LR, ssp434, Litter, ln(MSE/SIGMA)
713, -0.3240, 259.2918, -0.4696, 0.0000, 0.0524, 0.9445, 0.8171, 0
IPSL-CM6A-LR
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
9.75
8.75
7.75
6.75
5.75
4.75
3.75
2.75

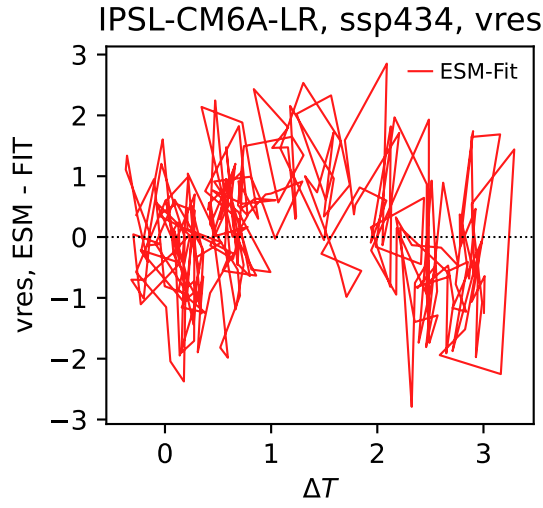

IPSL-CM6A-LR, ssp434, Litter, ln(MSE/SIGMA)
713, -0.3240, 259.2918, -0.4696, 0.0000, 0.0524, 0.9445, 0.8171, 0
lit_c_tan2
lit_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
7.5
6.5
5.5
4.5
3.5
2.5
1.5
0.5

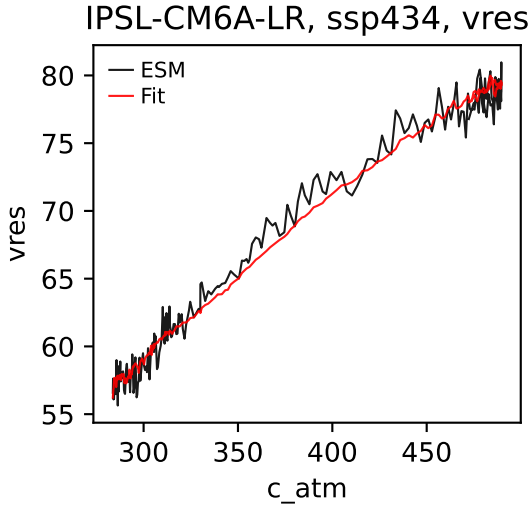

IPSL-CM6A-LR, ssp434, Litter, ln(MSE/SIGMA)
713, -0.3240, 259.2918, -0.4696, 0.0000, 0.0524, 0.9445, 0.8171, 0
IPSL-CM6A-LR
lit_slow
lit_fast
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
0.90
0.92
0.94
0.96
0.98
1.00
3.7
3.3
2.9
2.5
2.1
1.7
1.3
0.9
0.5

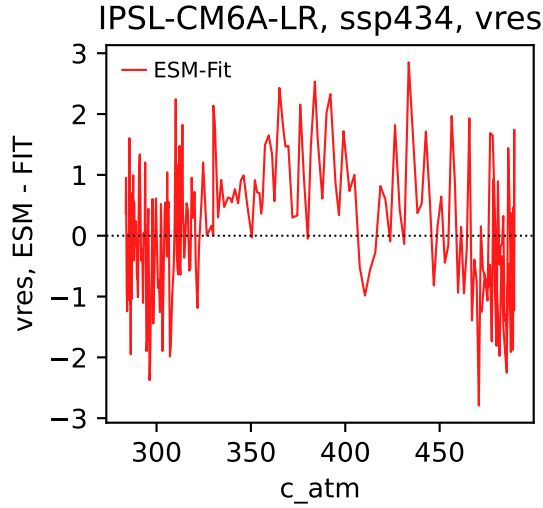

IPSL-CM6A-LR, ssp434, vres
ESM
Fit
vres
Year

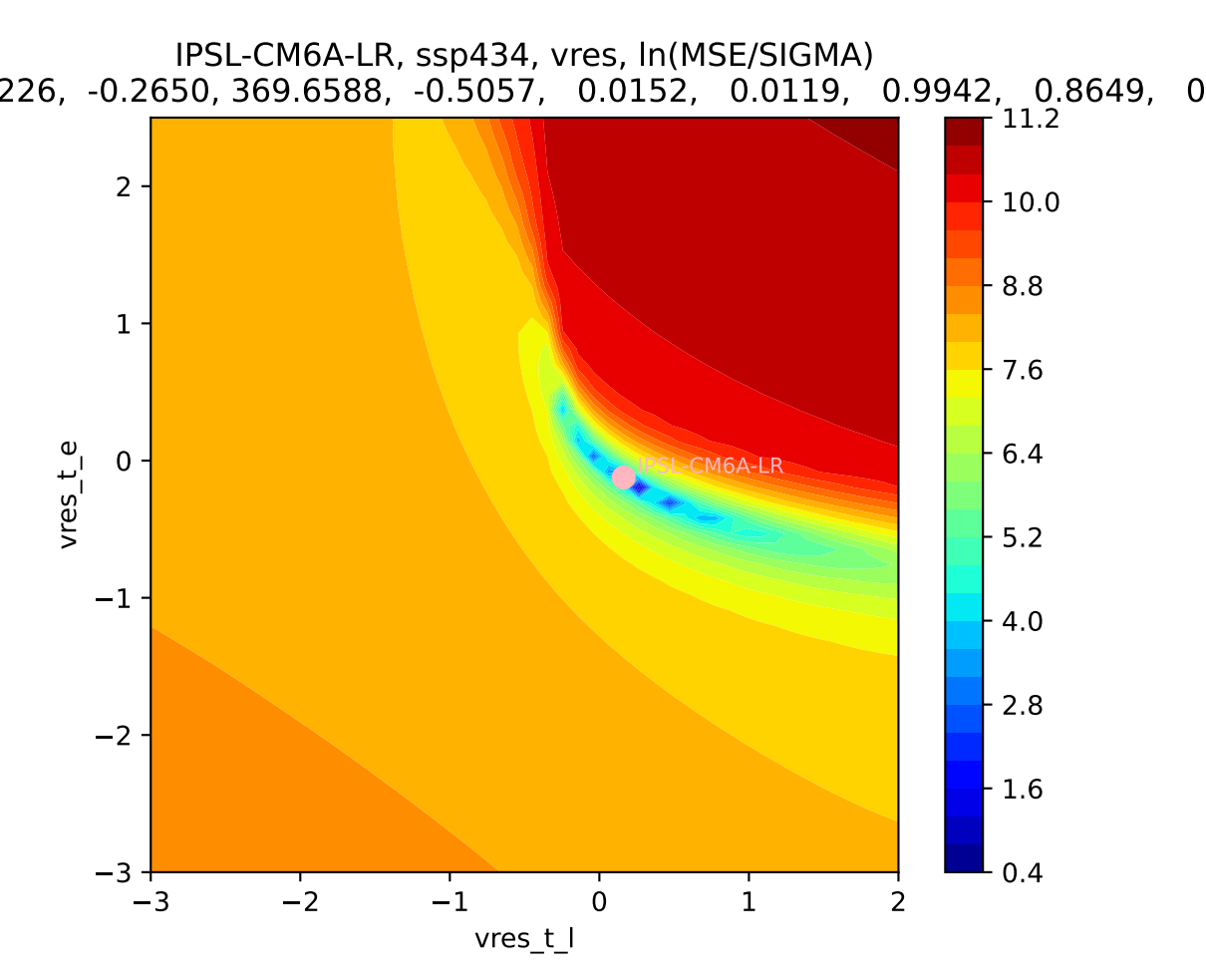

IPSL-CM6A-LR, ssp434, vres
ESM-Fit
vres, ESM - FIT
Year

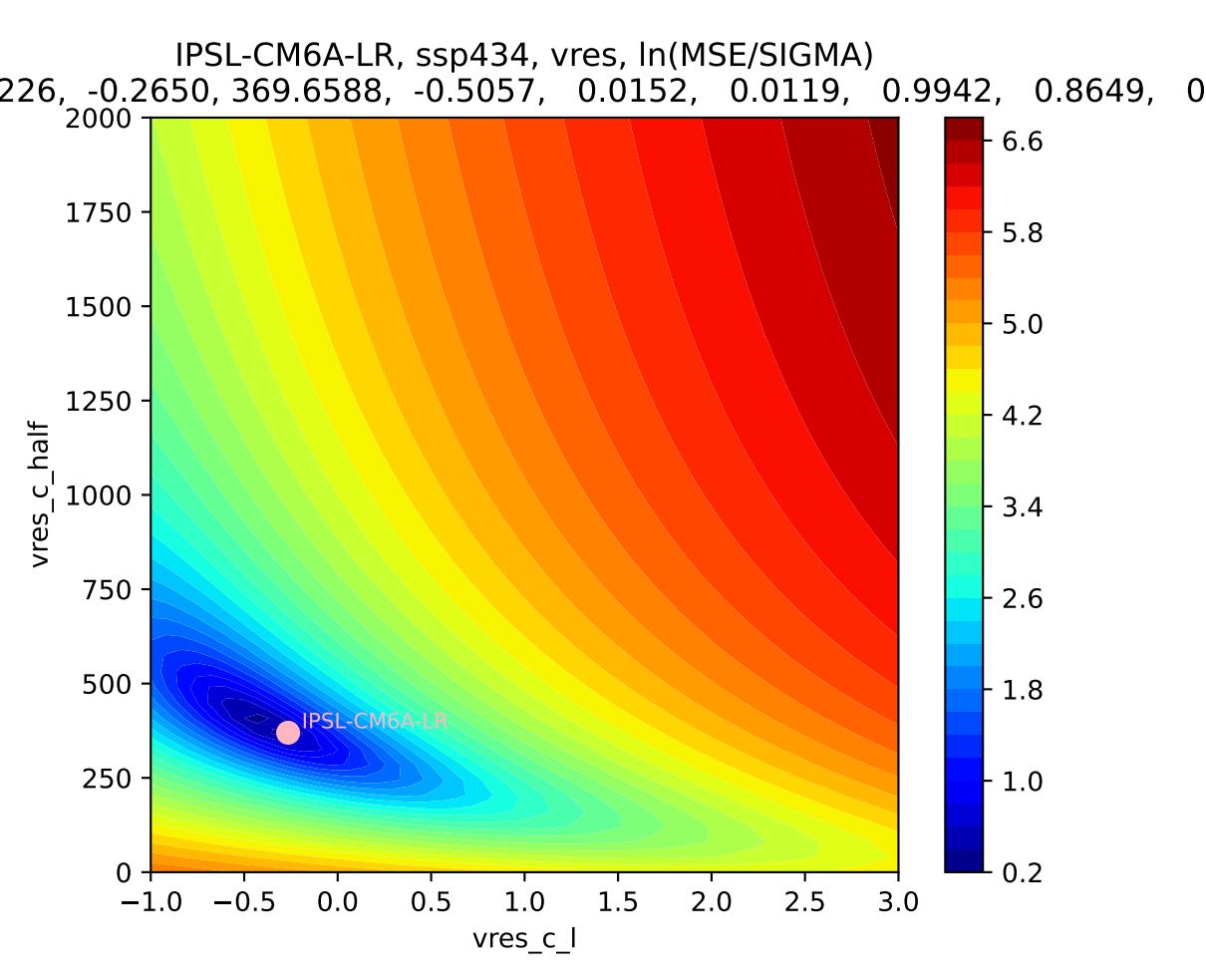

IPSL-CM6A-LR, ssp434, vres
ESM
Fit
vres
ΔT

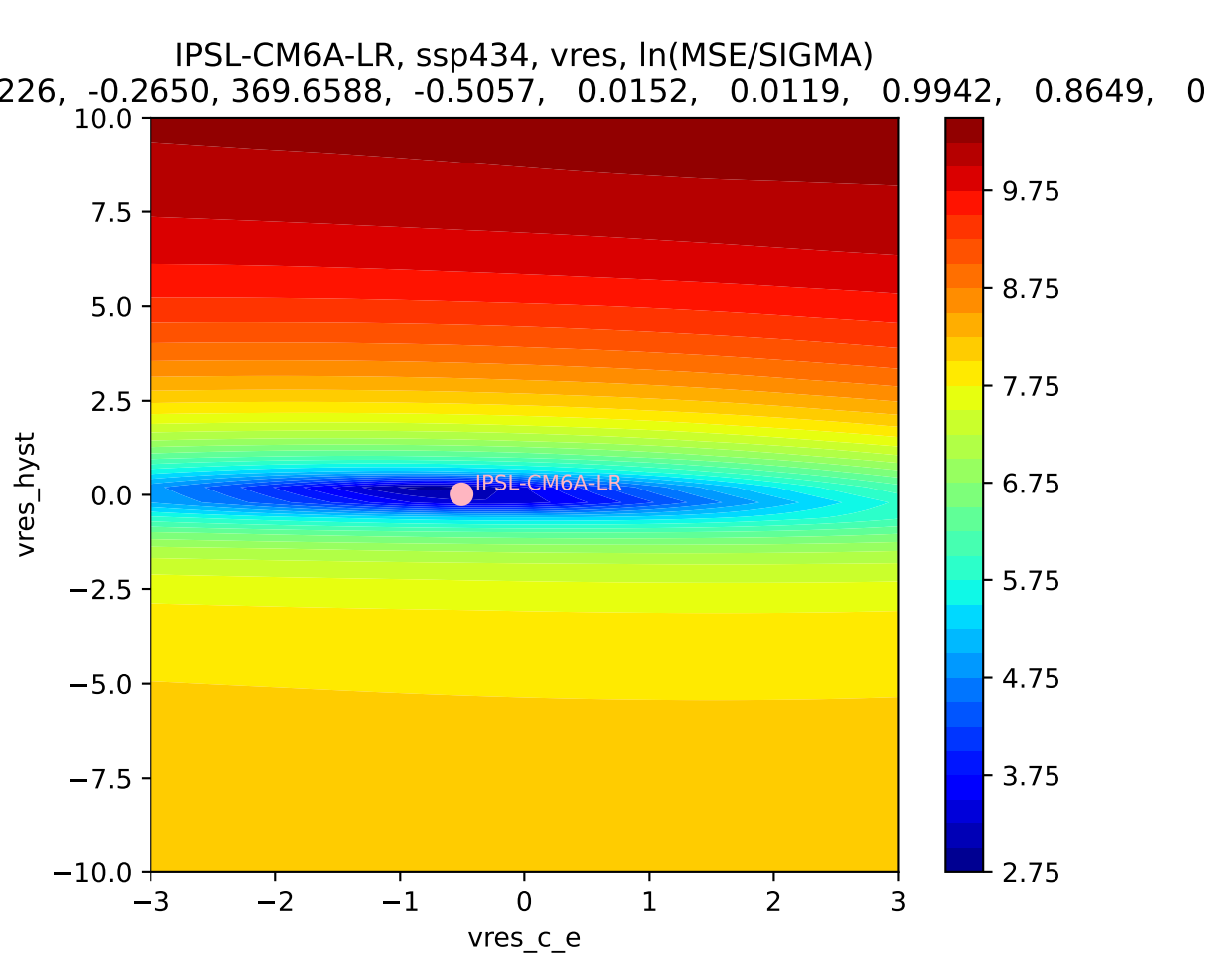

IPSL-CM6A-LR, ssp434, vres
ESM-Fit
vres, ESM - FIT
ΔT

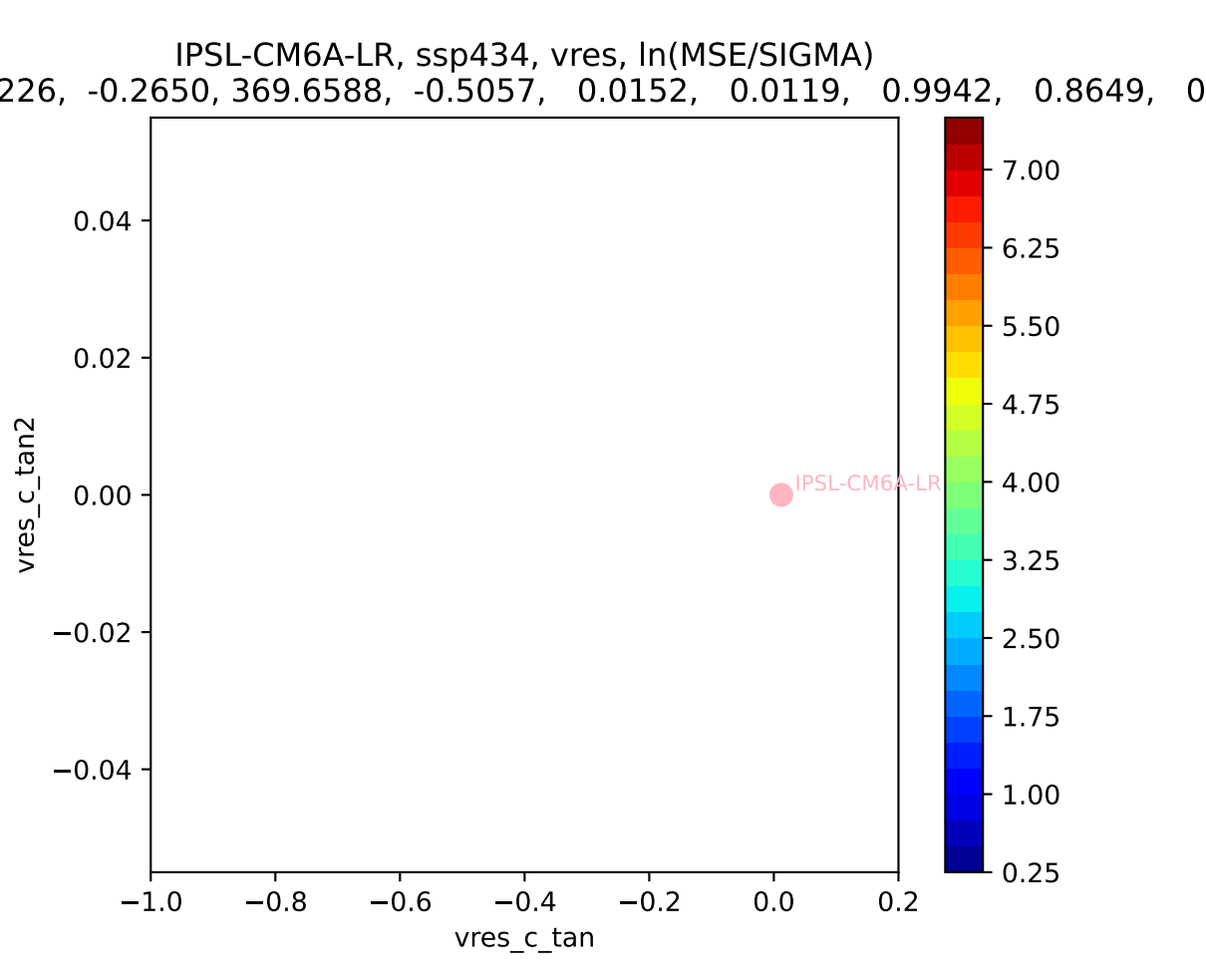

IPSL-CM6A-LR, ssp434, vres
ESM
Fit
vres
c_atm

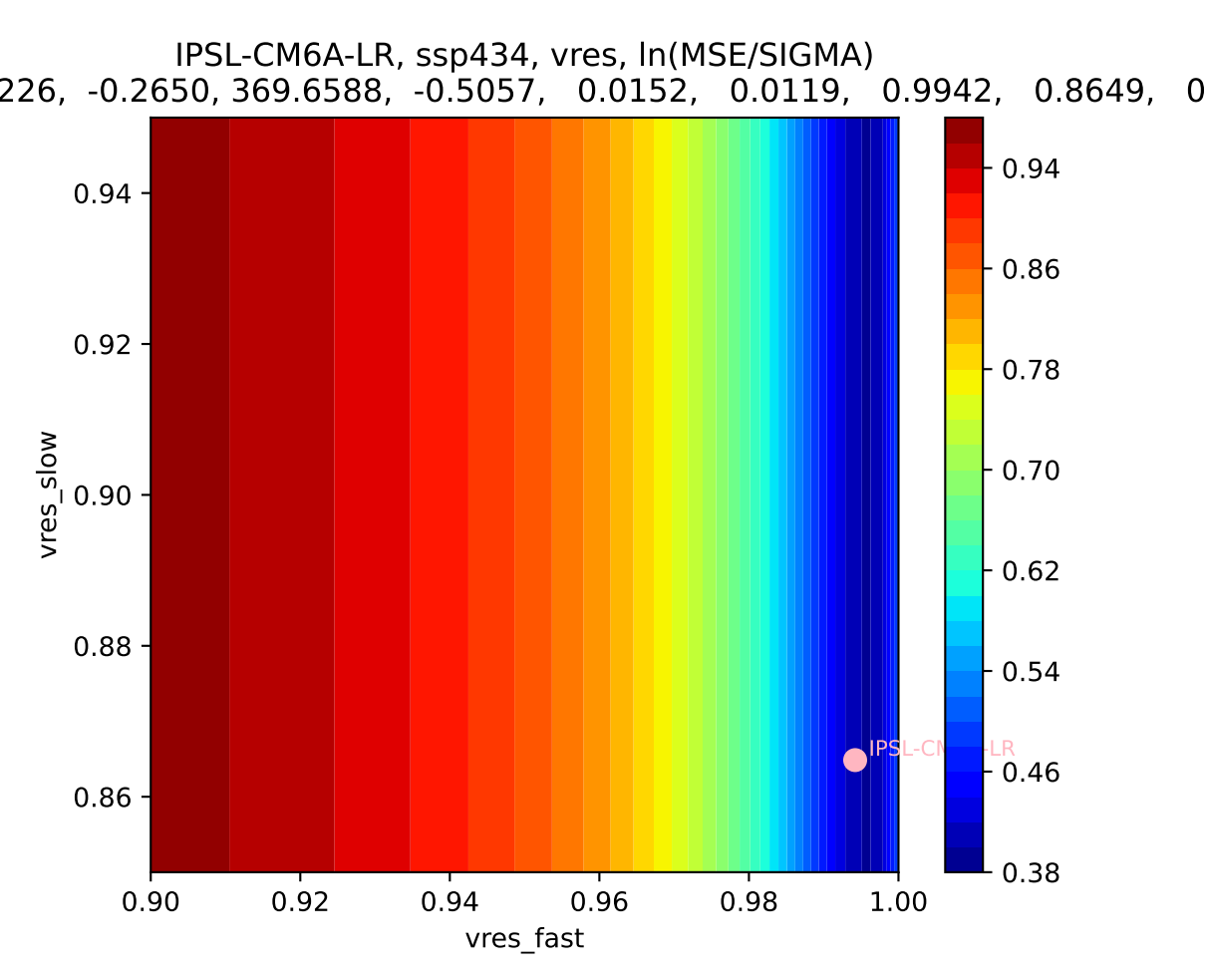

IPSL-CM6A-LR, ssp434, vres
ESM-Fit
vres, ESM - FIT
c_atm

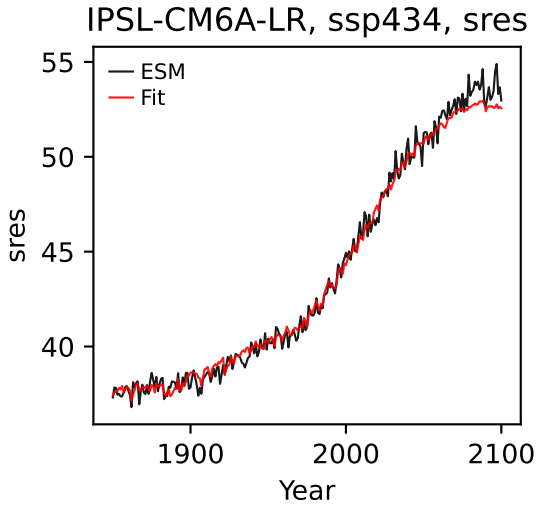

IPSL-CM6A-LR, ssp434, vres, ln(MSE/SIGMA)
226, -0.2650, 369.6588, -0.5057, 0.0152, 0.0119, 0.9942, 0.8649, 0
IPSL-CM6A-LR
vres_t_e
vres_t_l
−3
−2
−1
0
1
2
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

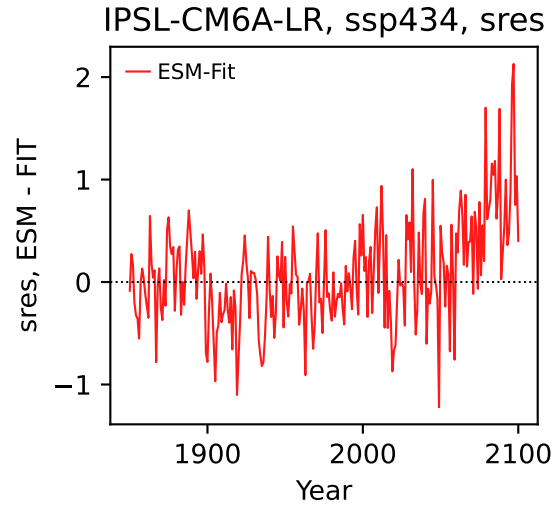

IPSL-CM6A-LR, ssp434, vres, ln(MSE/SIGMA)
226, -0.2650, 369.6588, -0.5057, 0.0152, 0.0119, 0.9942, 0.8649, 0
vres_c_half
vres_c_l
IPSL-CM6A-LR
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
6.6
5.8
5.0
4.2
3.4
2.6
1.8
1.0
0.2

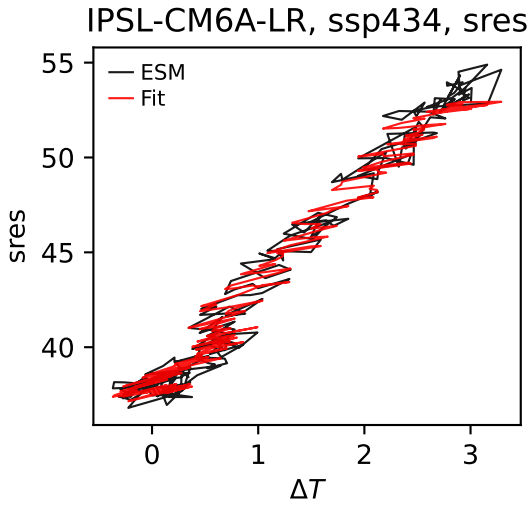

IPSL-CM6A-LR, ssp434, vres, ln(MSE/SIGMA)
226, -0.2650, 369.6588, -0.5057, 0.0152, 0.0119, 0.9942, 0.8649, 0
IPSL-CM6A-LR
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
9.75
8.75
7.75
6.75
5.75
4.75
3.75
2.75

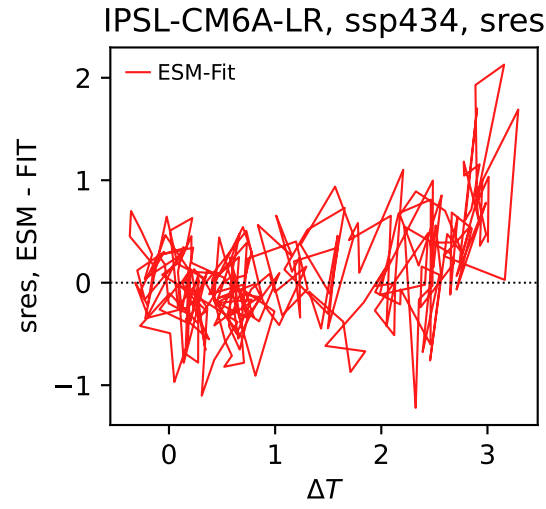

IPSL-CM6A-LR, ssp434, vres, ln(MSE/SIGMA)
226, -0.2650, 369.6588, -0.5057, 0.0152, 0.0119, 0.9942, 0.8649, 0
IPSL-CM6A-LR
vres_c_tan2
vres_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00
0.25

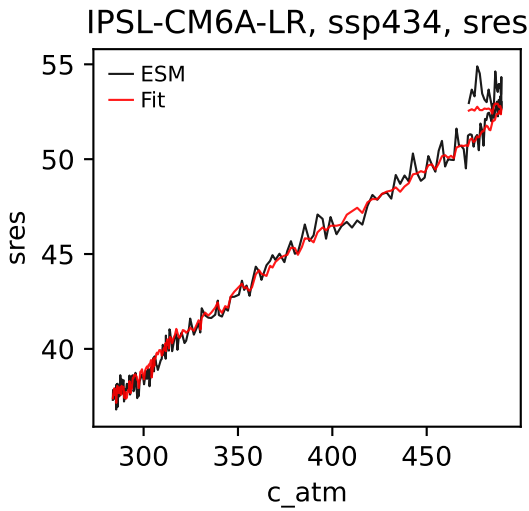

IPSL-CM6A-LR, ssp434, vres, ln(MSE/SIGMA)
226, -0.2650, 369.6588, -0.5057, 0.0152, 0.0119, 0.9942, 0.8649, 0
vres_slow
0.94
0.92
0.90
0.88
0.86
0.90
0.92
0.94
0.96
0.98
1.00
vres_fast
0.94
0.86
0.78
0.70
0.62
0.54
0.46
0.38

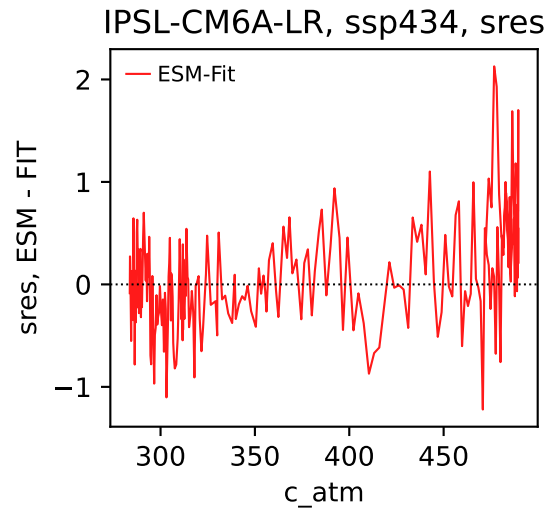

IPSL-CM6A-LR, ssp434, sres
ESM
Fit
sres
Year

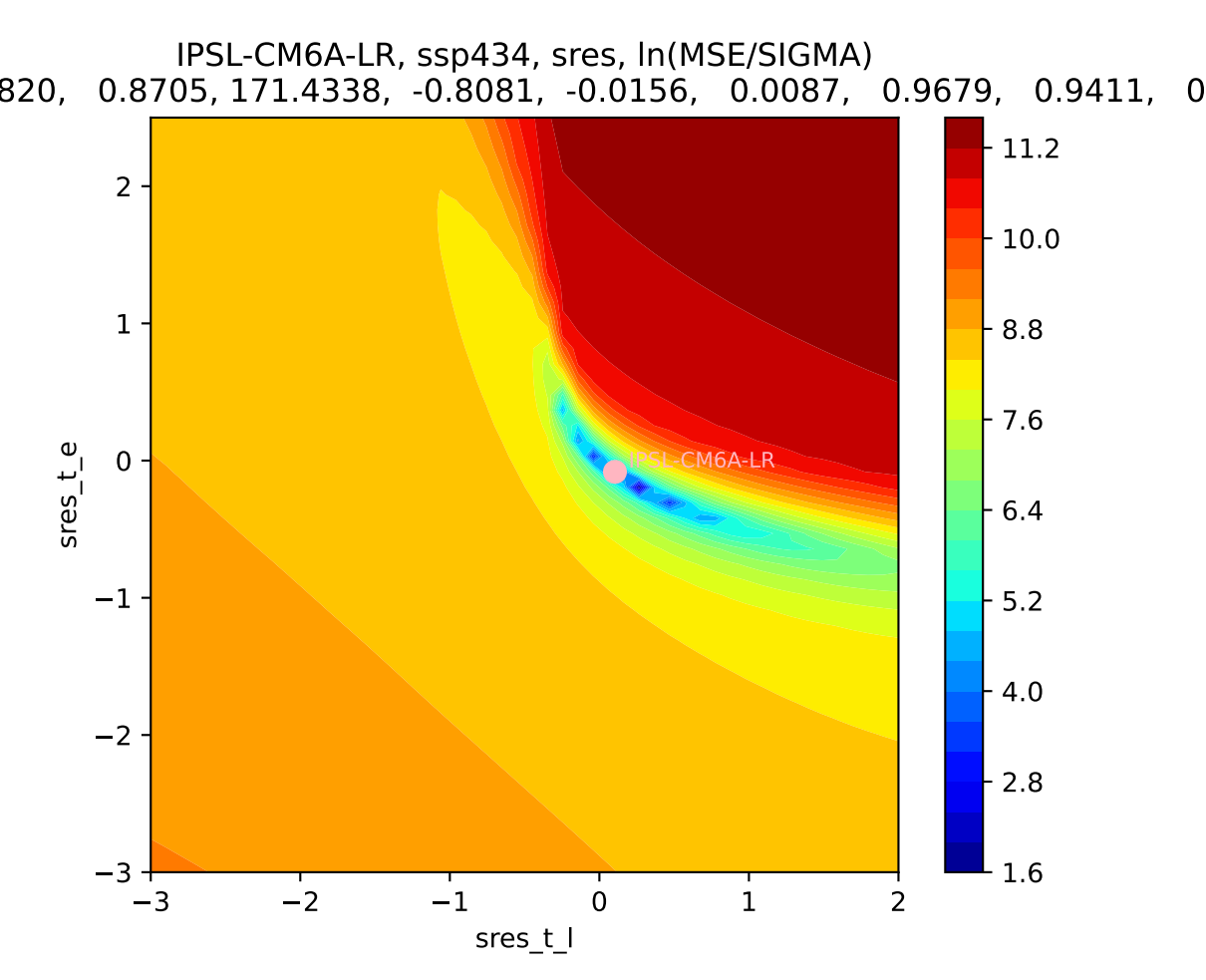

IPSL-CM6A-LR, ssp434, sres
ESM-Fit
sres, ESM - FIT
Year

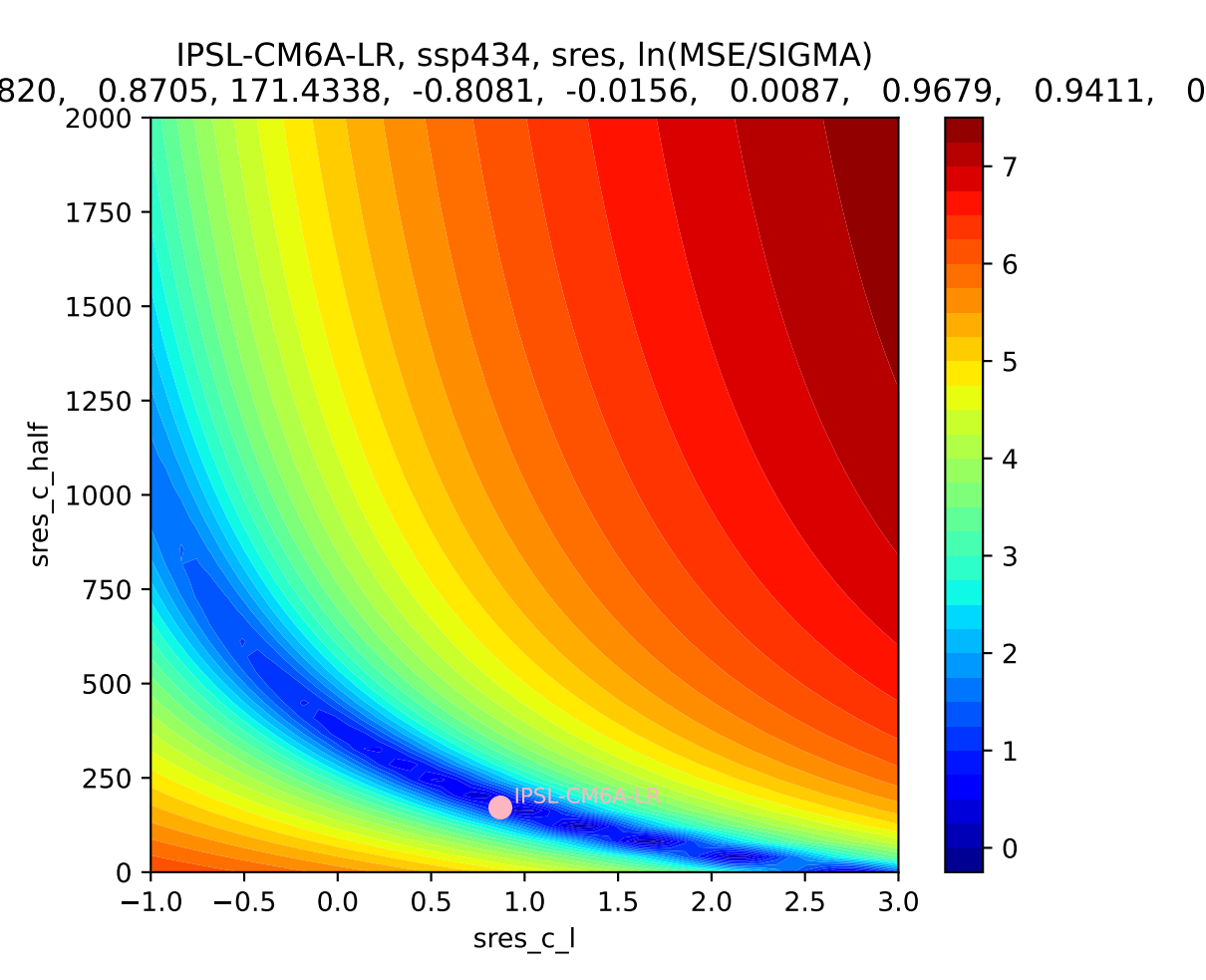

IPSL-CM6A-LR, ssp434, sres
ESM
Fit
sres
ΔT

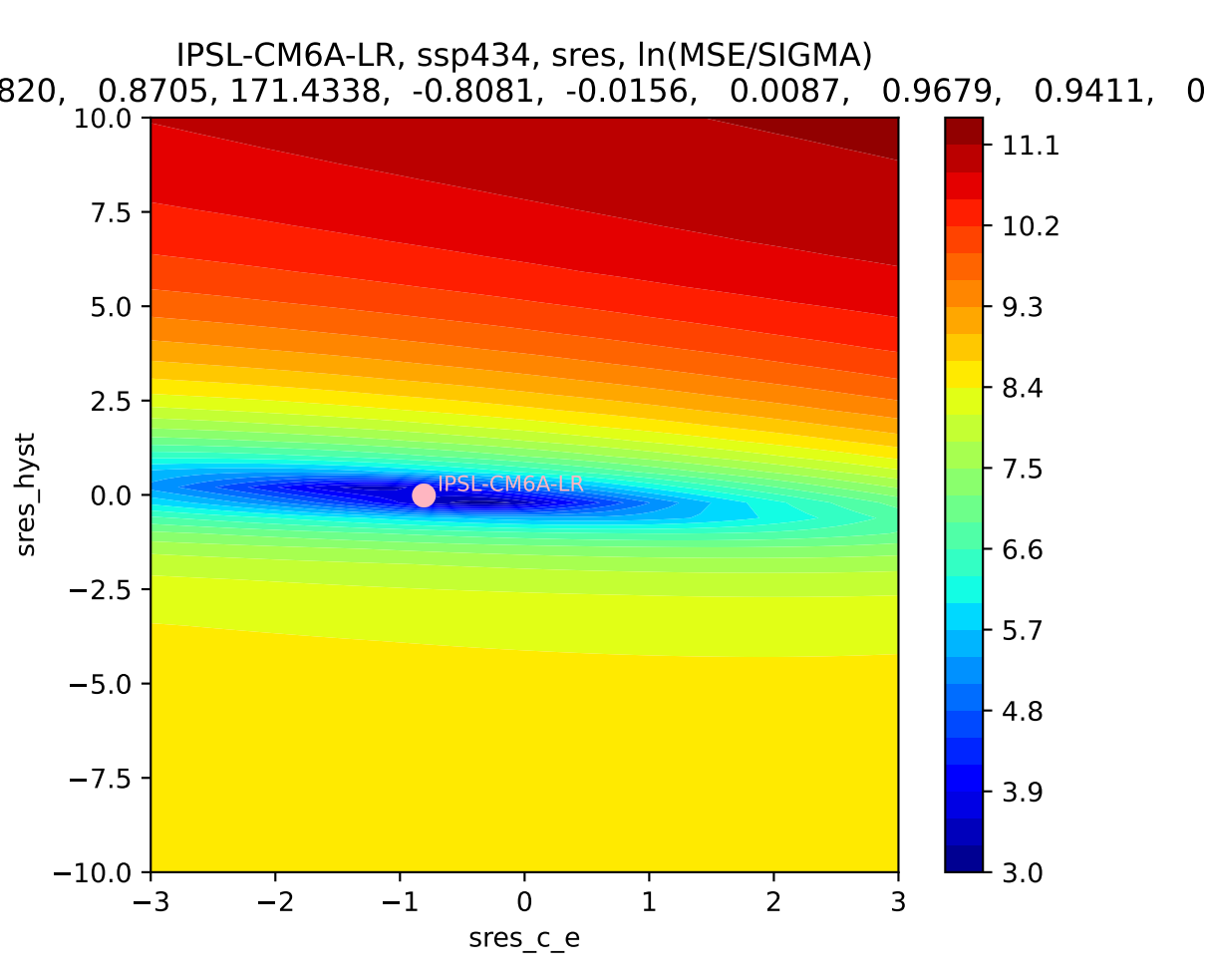

IPSL-CM6A-LR, ssp434, sres
ESM-Fit
sres, ESM - FIT
ΔT

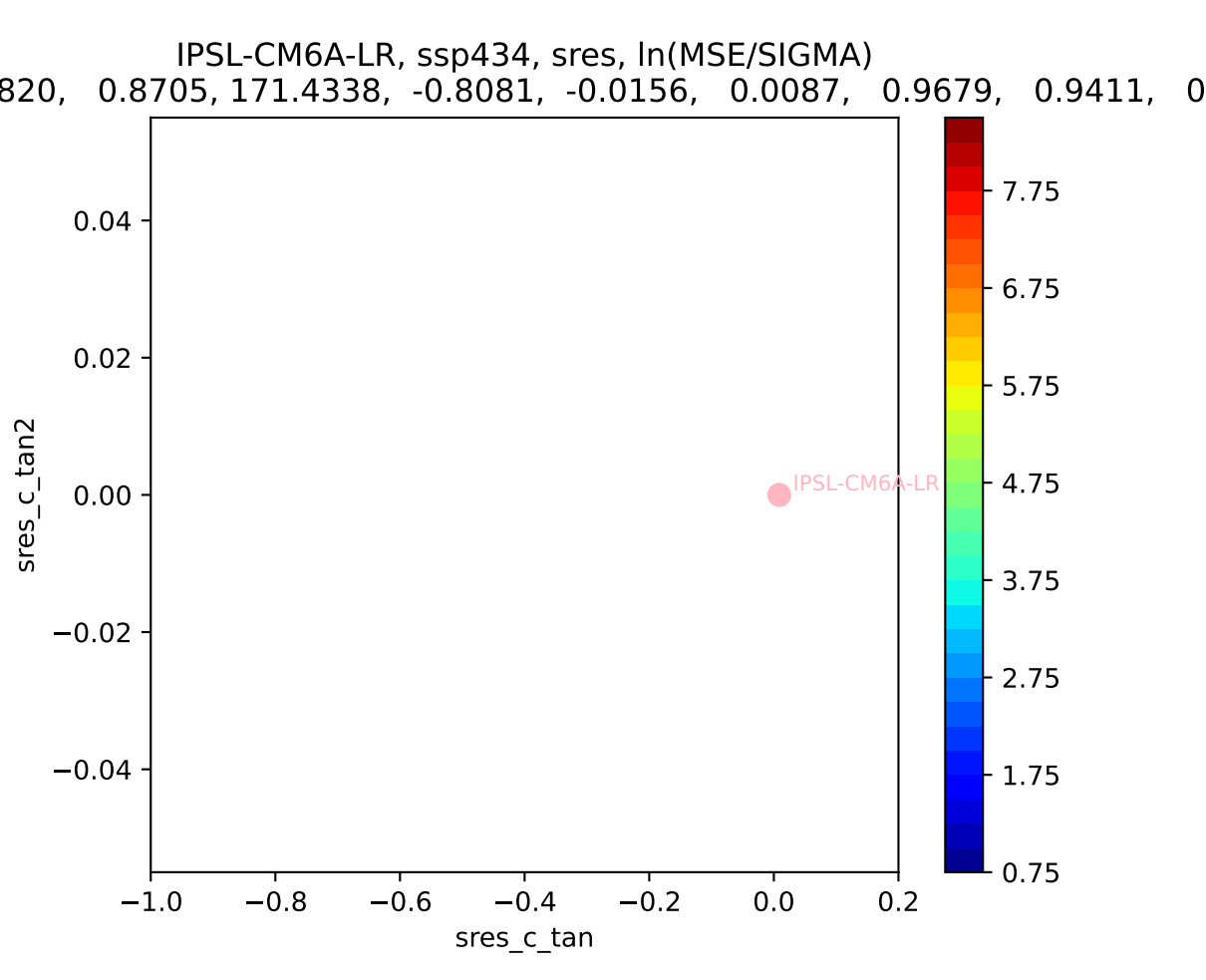

IPSL-CM6A-LR, ssp434, sres
ESM
Fit
sres
c_atm

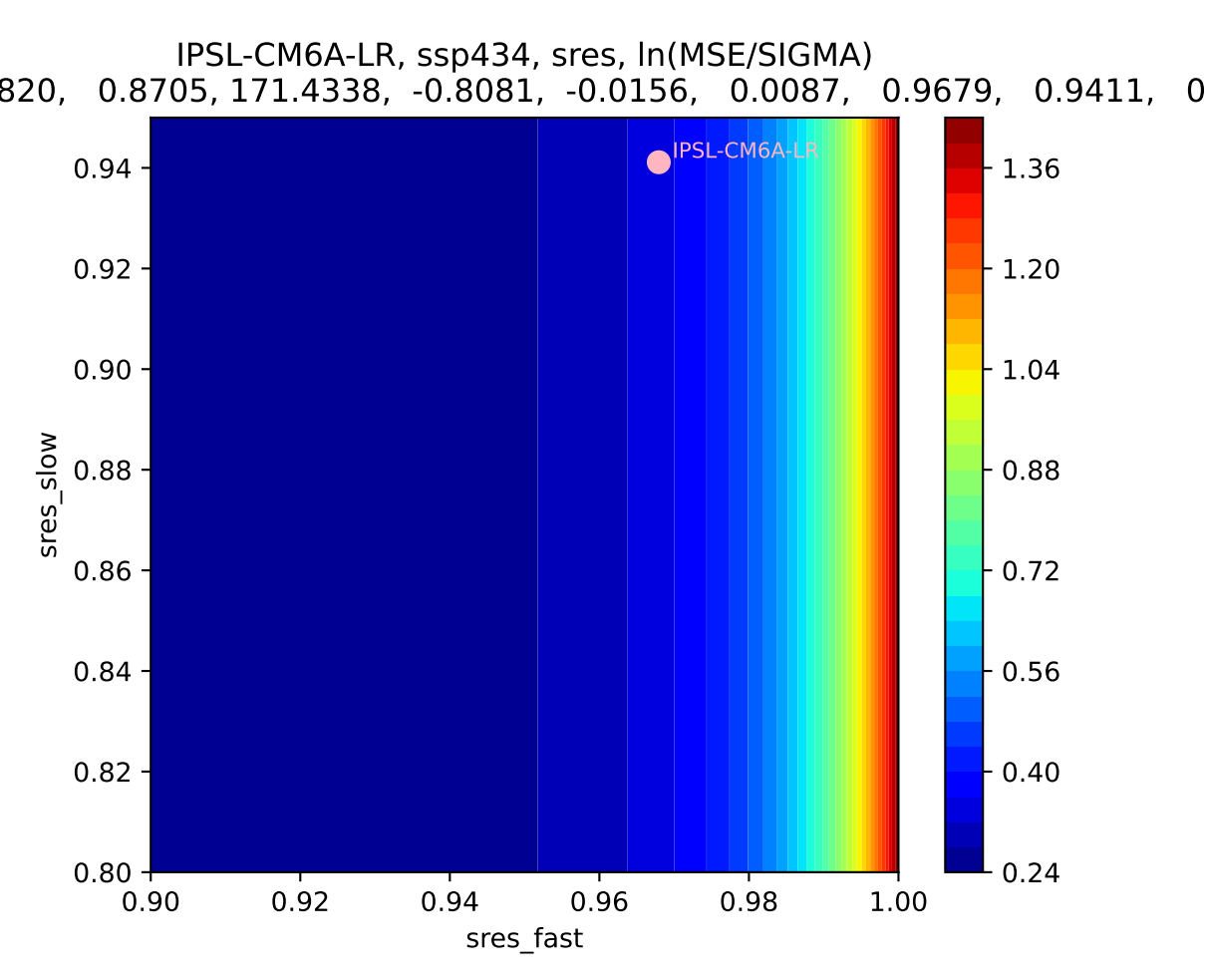

IPSL-CM6A-LR, ssp434, sres
ESM-Fit
sres, ESM - FIT
c_atm

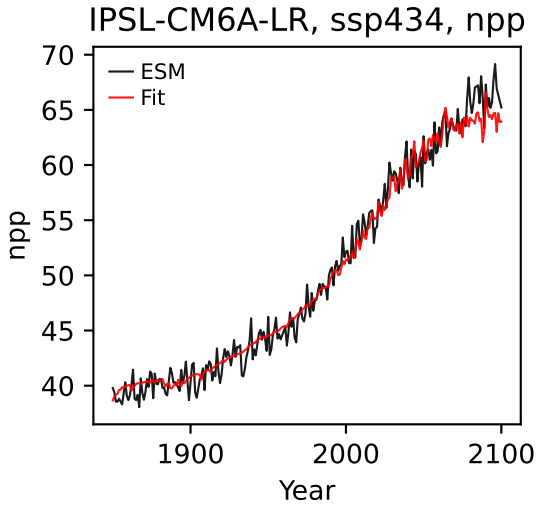

IPSL-CM6A-LR, ssp434, sres, ln(MSE/SIGMA)
820, 0.8705, 171.4338, -0.8081, -0.0156, 0.0087, 0.9679, 0.9411, 0
IPSL-CM6A-LR
sres_t_e
sres_t_l
−3
−2
−1
0
1
2
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6

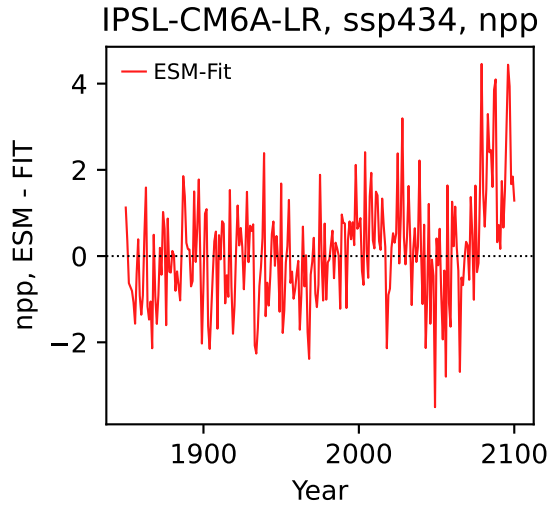

IPSL-CM6A-LR, ssp434, sres, ln(MSE/SIGMA)
820, 0.8705, 171.4338, -0.8081, -0.0156, 0.0087, 0.9679, 0.9411, 0
sres_c_half
sres_c_l
IPSL-CM6A-LR
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7
6
5
4
3
2
1
0

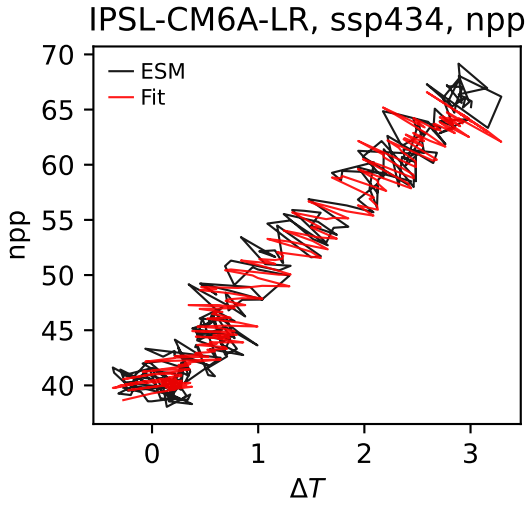

IPSL-CM6A-LR, ssp434, sres, ln(MSE/SIGMA)
820, 0.8705, 171.4338, -0.8081, -0.0156, 0.0087, 0.9679, 0.9411, 0
IPSL-CM6A-LR
sres_hyst
sres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.1
10.2
9.3
8.4
7.5
6.6
5.7
4.8
3.9
3.0

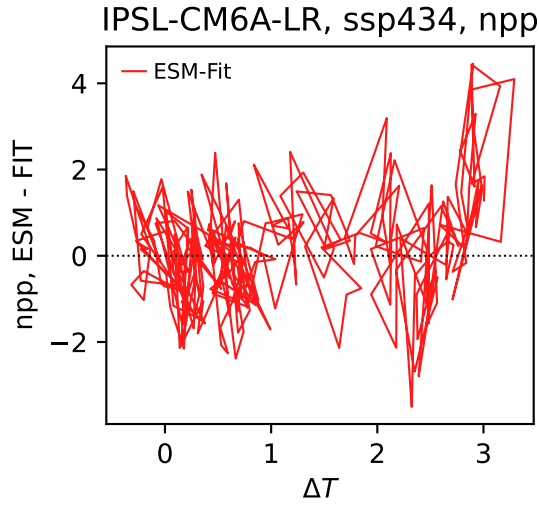

IPSL-CM6A-LR, ssp434, sres, ln(MSE/SIGMA)
820, 0.8705, 171.4338, -0.8081, -0.0156, 0.0087, 0.9679, 0.9411, 0
IPSL-CM6A-LR
sres_c_tan2
sres_c_tan
0.04
0.02
0.00
−0.02
−0.04
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
7.75
6.75
5.75
4.75
3.75
2.75
1.75
0.75

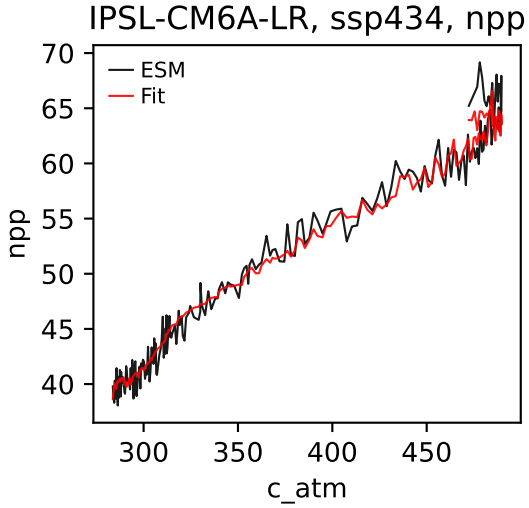

IPSL-CM6A-LR, ssp434, sres, ln(MSE/SIGMA)
820, 0.8705, 171.4338, -0.8081, -0.0156, 0.0087, 0.9679, 0.9411, 0
IPSL-CM6A-LR
sres_slow
sres_fast
0.80
0.82
0.84
0.86
0.88
0.90
0.92
0.94
0.90
0.92
0.94
0.96
0.98
1.00
0.24
0.40
0.56
0.72
0.88
1.04
1.20
1.36

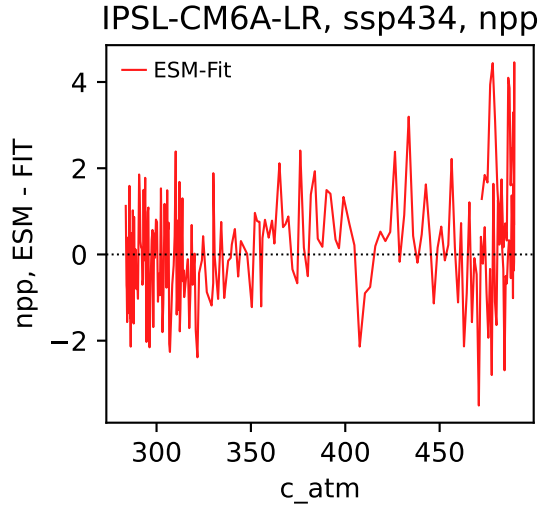

IPSL-CM6A-LR, ssp434, npp
ESM
Fit
npp
Year

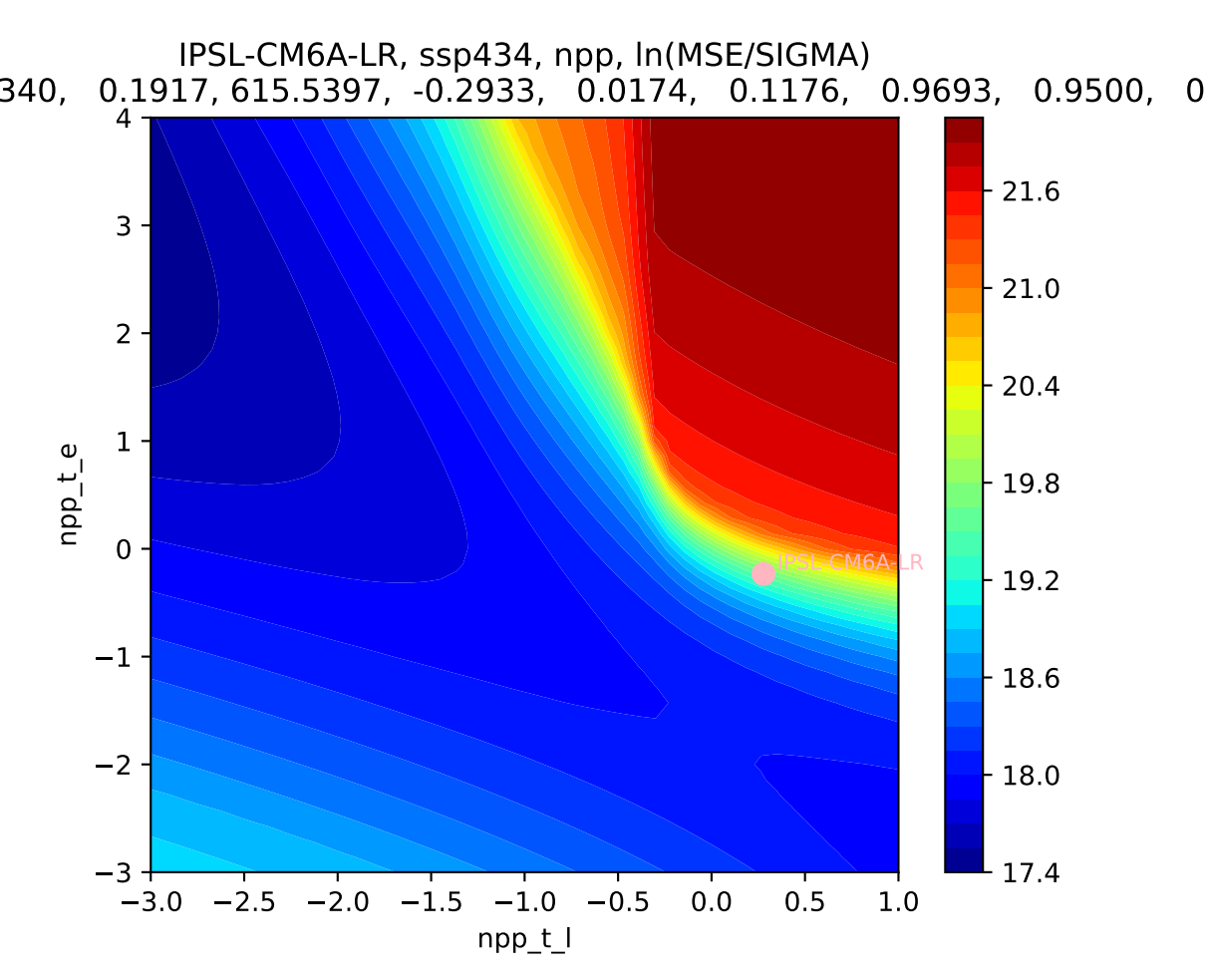

IPSL-CM6A-LR, ssp434, npp
ESM-Fit
npp, ESM - FIT
Year

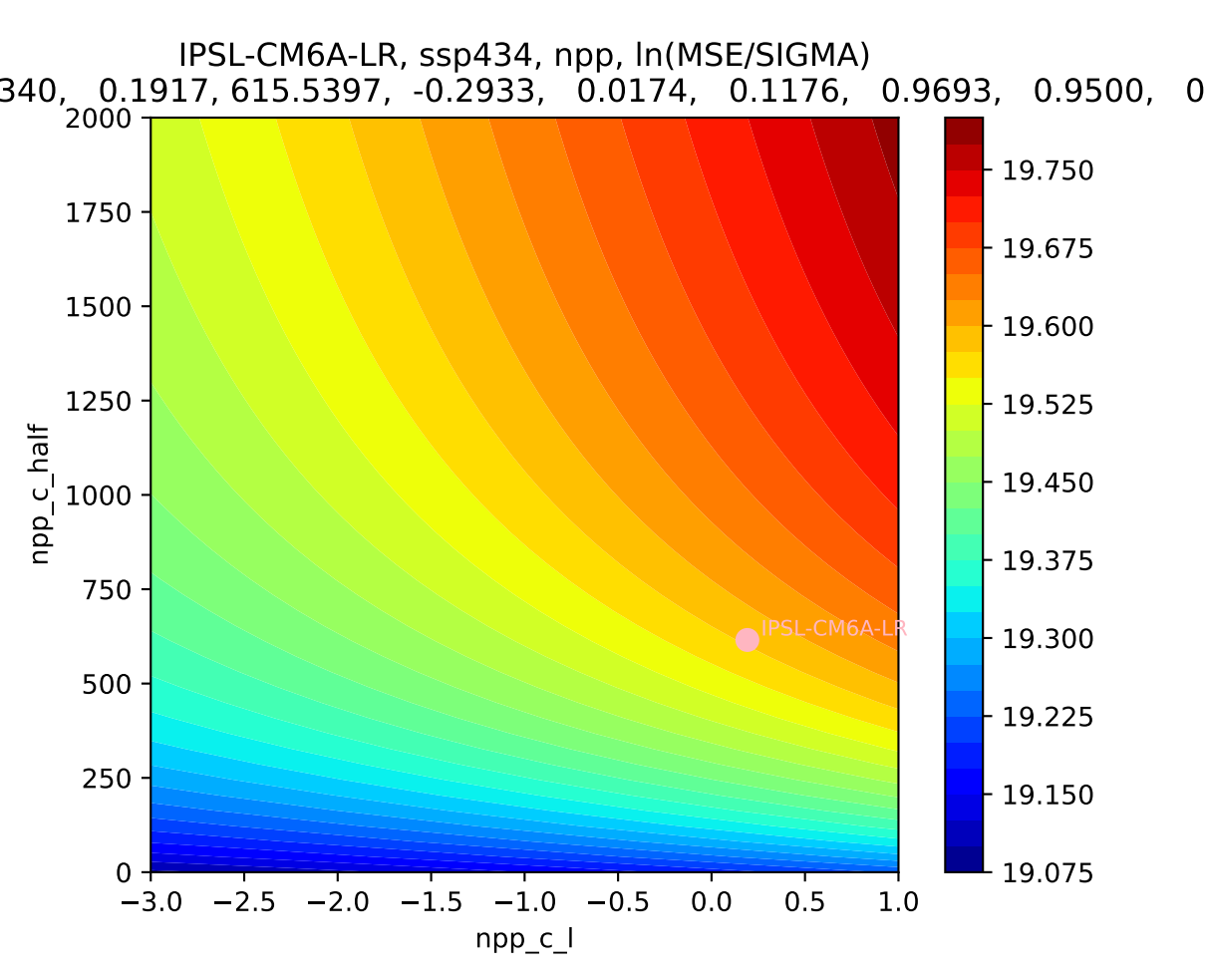

IPSL-CM6A-LR, ssp434, npp
ESM
Fit
npp
ΔT

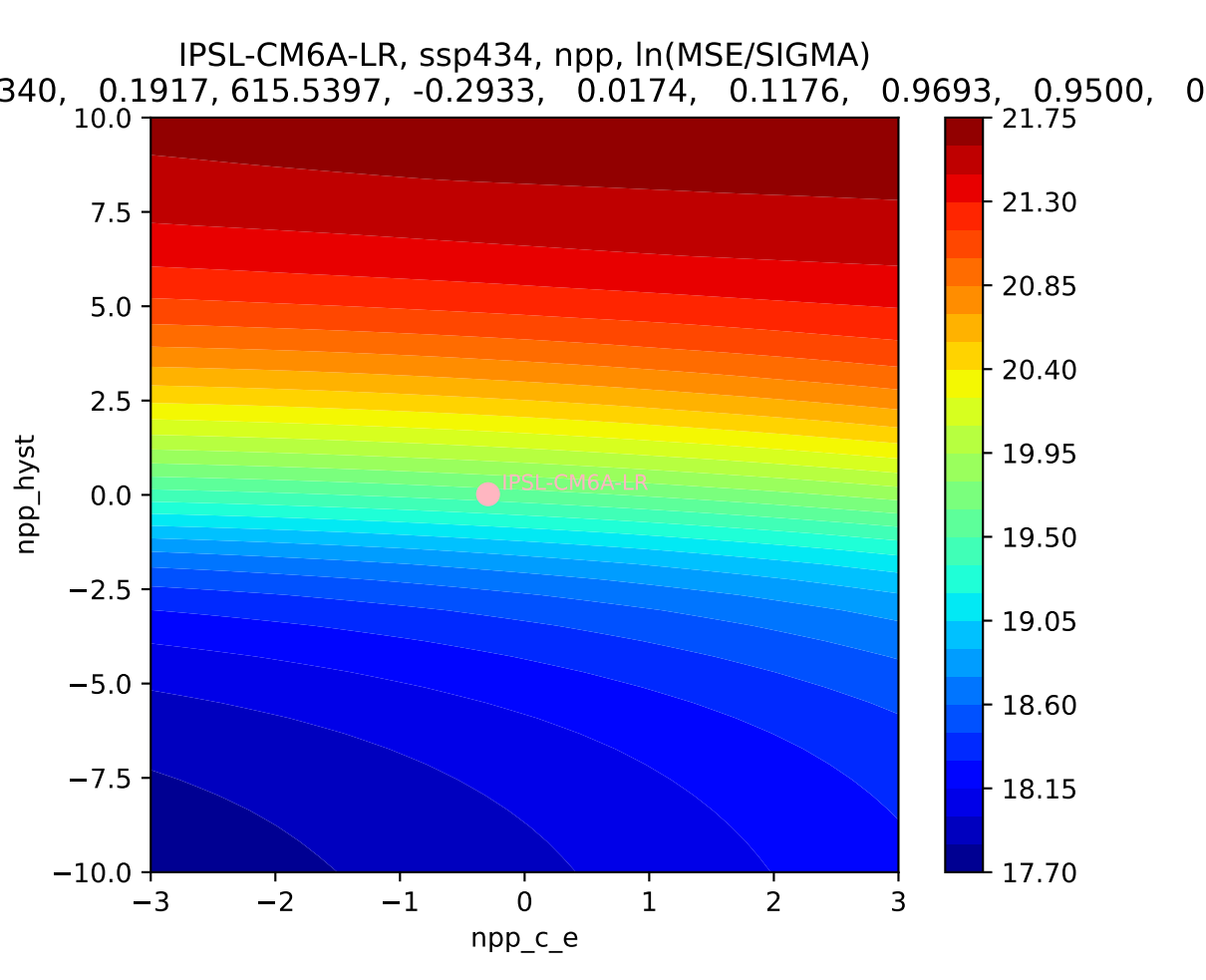

IPSL-CM6A-LR, ssp434, npp
ESM-Fit
npp, ESM - FIT
ΔT

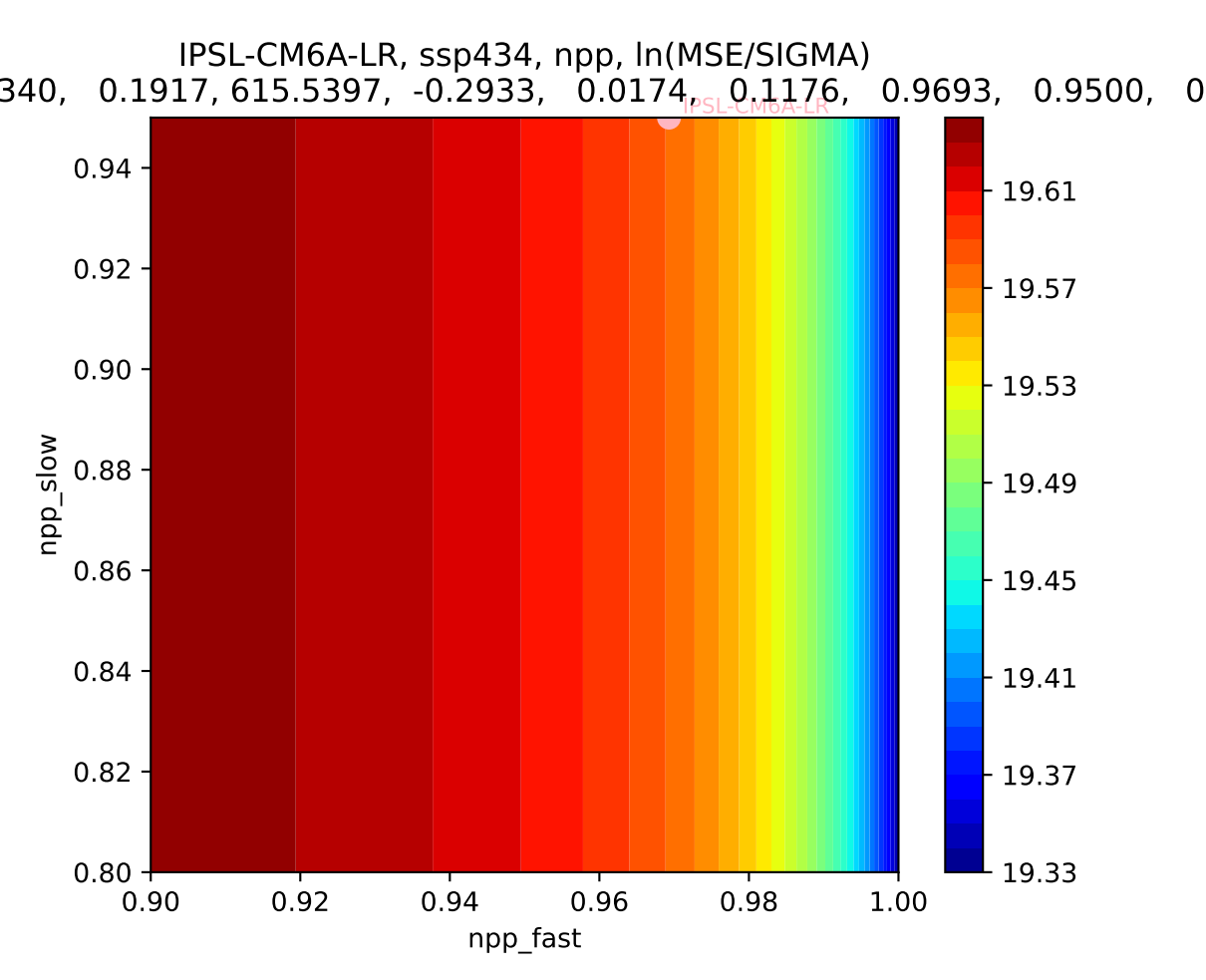

IPSL-CM6A-LR, ssp434, npp
ESM
Fit
npp
c_atm

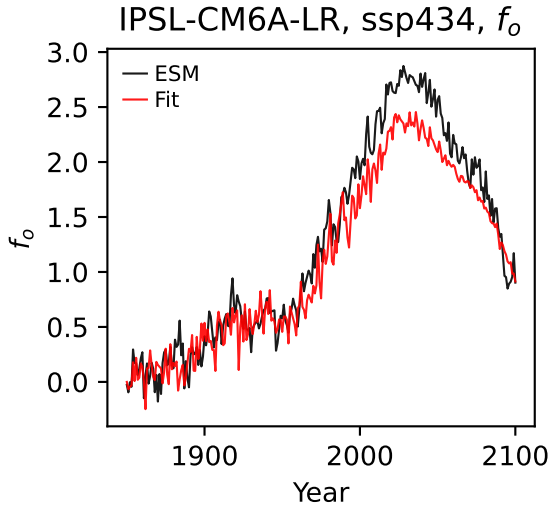

IPSL-CM6A-LR, ssp434, npp
ESM-Fit
npp, ESM - FIT
c_atm

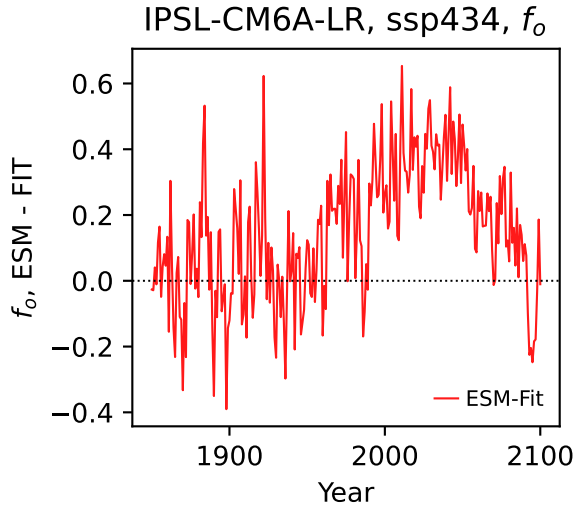

IPSL-CM6A-LR, ssp434, npp, ln(MSE/SIGMA)
340, 0.1917, 615.5397, -0.2933, 0.0174, 0.1176, 0.9693, 0.9500, 0
IPSL-CM6A-LR
npp_t_e
npp_t_l
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
21.6
21.0
20.4
19.8
19.2
18.6
18.0
17.4

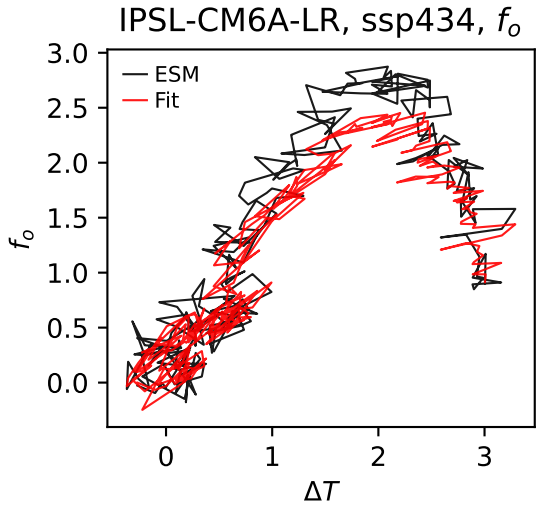

IPSL-CM6A-LR, ssp434, npp, ln(MSE/SIGMA)
340, 0.1917, 615.5397, -0.2933, 0.0174, 0.1176, 0.9693, 0.9500, 0
2000
1750
1500
1250
1000
750
500
250
0
npp_c_half
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
npp_c_l
IPSL-CM6A-LR
19.750
19.675
19.600
19.525
19.450
19.375
19.300
19.225
19.150
19.075

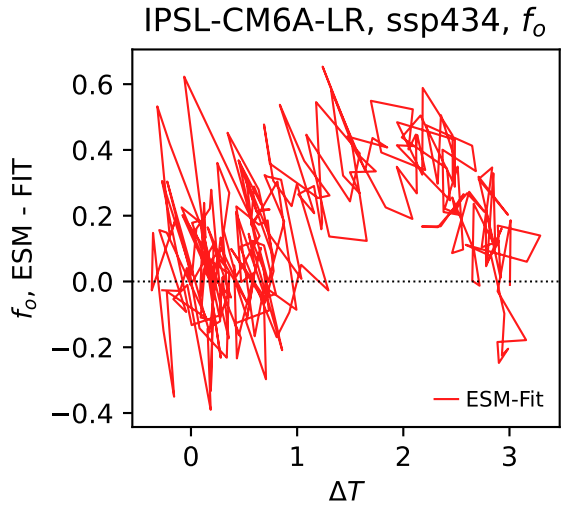

IPSL-CM6A-LR, ssp434, npp, ln(MSE/SIGMA)
340, 0.1917, 615.5397, -0.2933, 0.0174, 0.1176, 0.9693, 0.9500, 0
IPSL-CM6A-LR
npp_hyst
npp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
21.75
21.30
20.85
20.40
19.95
19.50
19.05
18.60
18.15
17.70

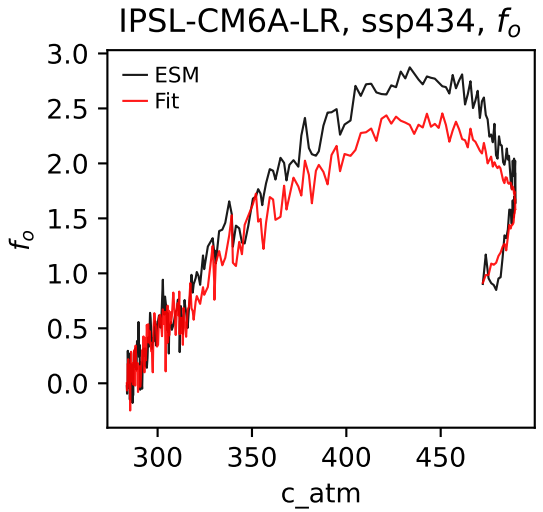

IPSL-CM6A-LR, ssp434, npp, ln(MSE/SIGMA)
340, 0.1917, 615.5397, -0.2933, 0.0174, 0.1176, 0.9693, 0.9500, 0
IPSL-CM6A-LR
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
npp_slow
0.90
0.92
0.94
0.96
0.98
1.00
npp_fast
19.61
19.57
19.53
19.49
19.45
19.41
19.37
19.33

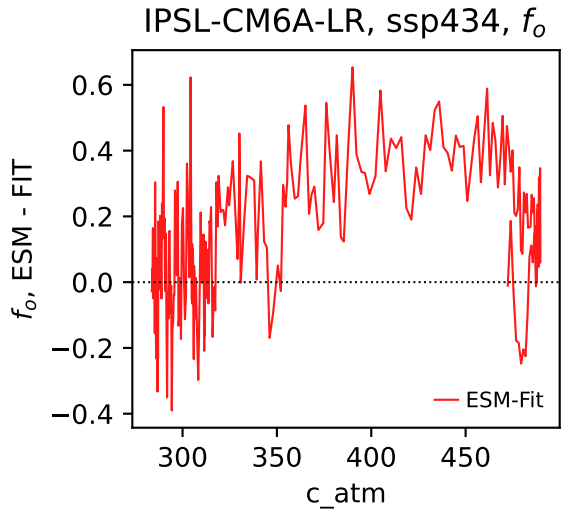

IPSL-CM6A-LR, ssp434, f_o
ESM
Fit
f_o
Year

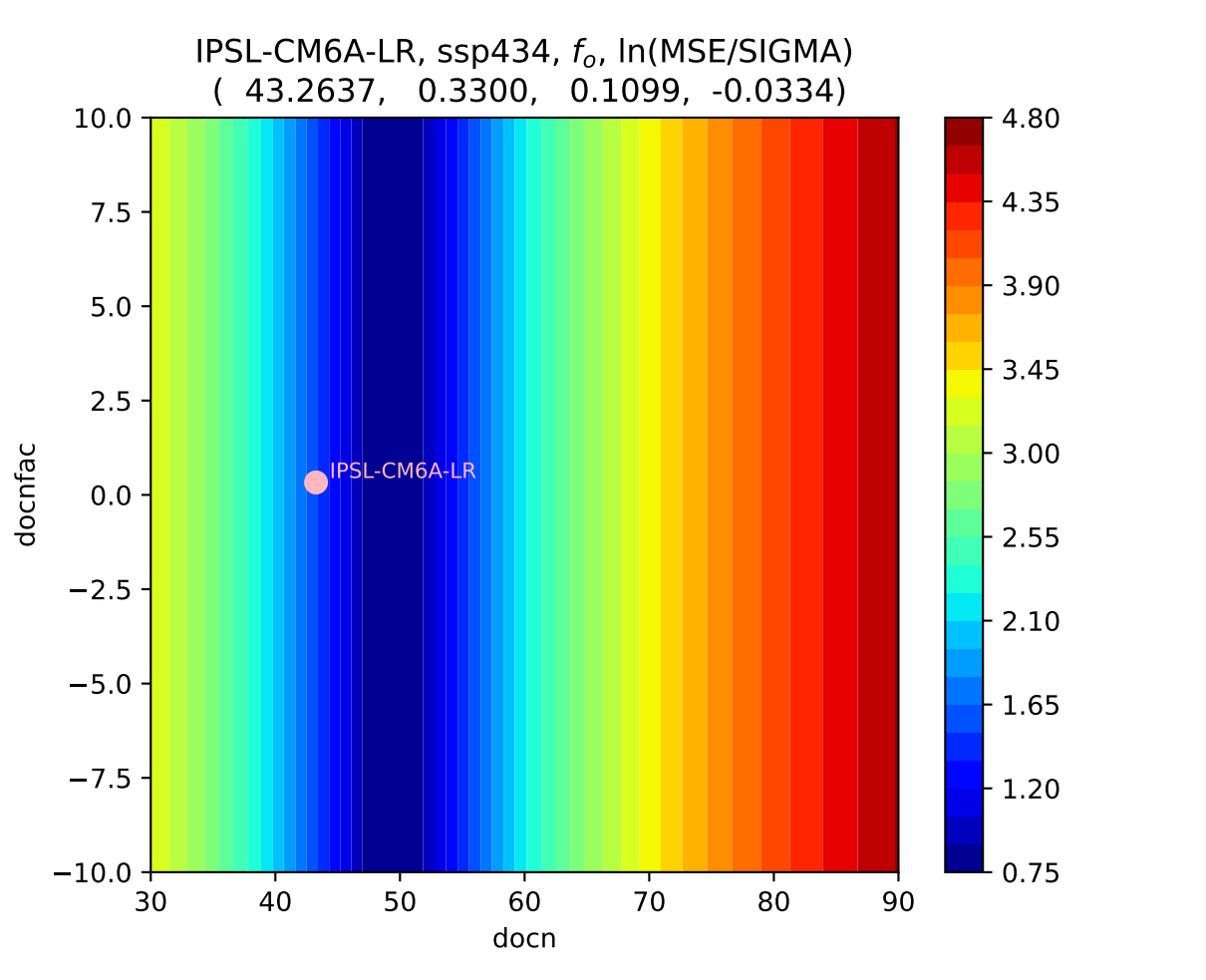

IPSL-CM6A-LR, ssp434, f_o
f_o, ESM - FIT
ESM-Fit
Year

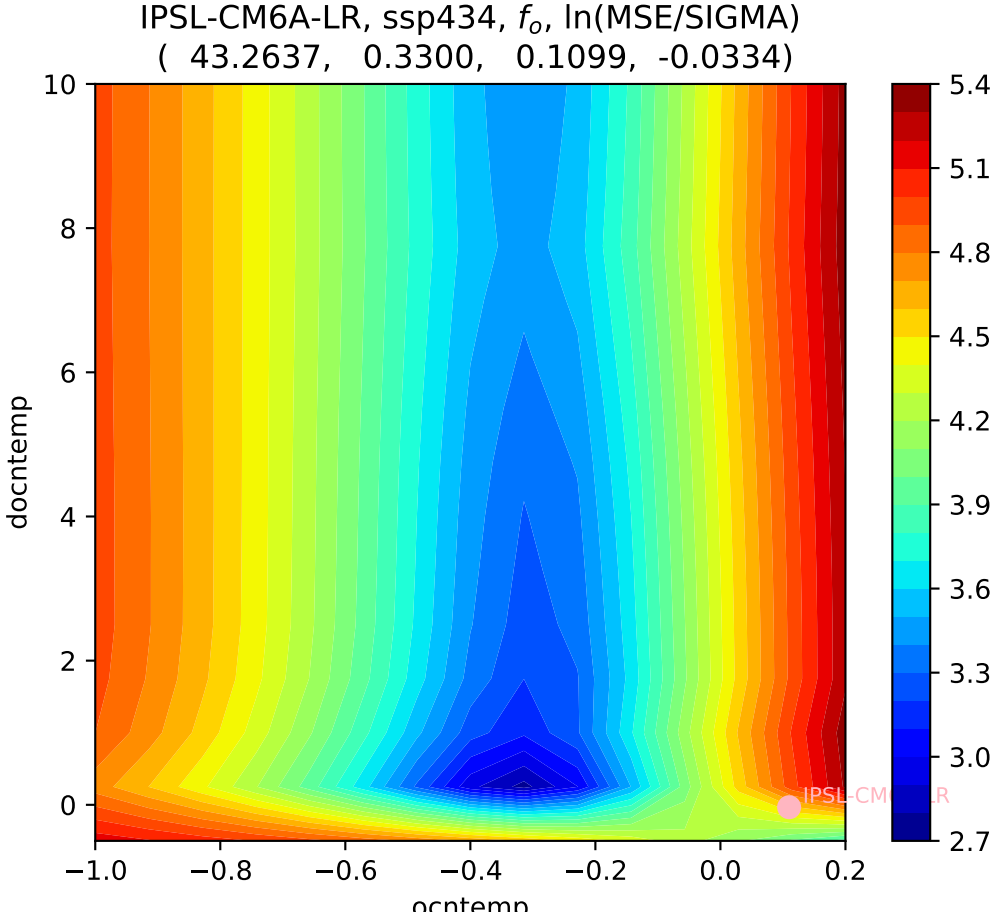

IPSL-CM6A-LR, ssp434, f_o
ESM
Fit
f_o
ΔT


IPSL-CM6A-LR, ssp434, f_o
f_o, ESM - FIT
ESM-Fit
ΔT


IPSL-CM6A-LR, ssp434, f_o
ESM
Fit
f_o
c_atm


IPSL-CM6A-LR, ssp434, f_o
f_o, ESM - FIT
ESM-Fit
c_atm


IPSL-CM6A-LR, ssp434, f_o, ln(MSE/SIGMA)
(43.2637, 0.3300, 0.1099, -0.0334)
IPSL-CM6A-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
4.80
4.35
3.90
3.45
3.00
2.55
2.10
1.65
1.20
0.75


IPSL-CM6A-LR, ssp434, f_o, ln(MSE/SIGMA)
(43.2637, 0.3300, 0.1099, -0.0334)
docntemp
ocntemp
10
8
6
4
2
0
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
5.4
5.1
4.8
4.5
4.2
3.9
3.6
3.3
3.0
2.7