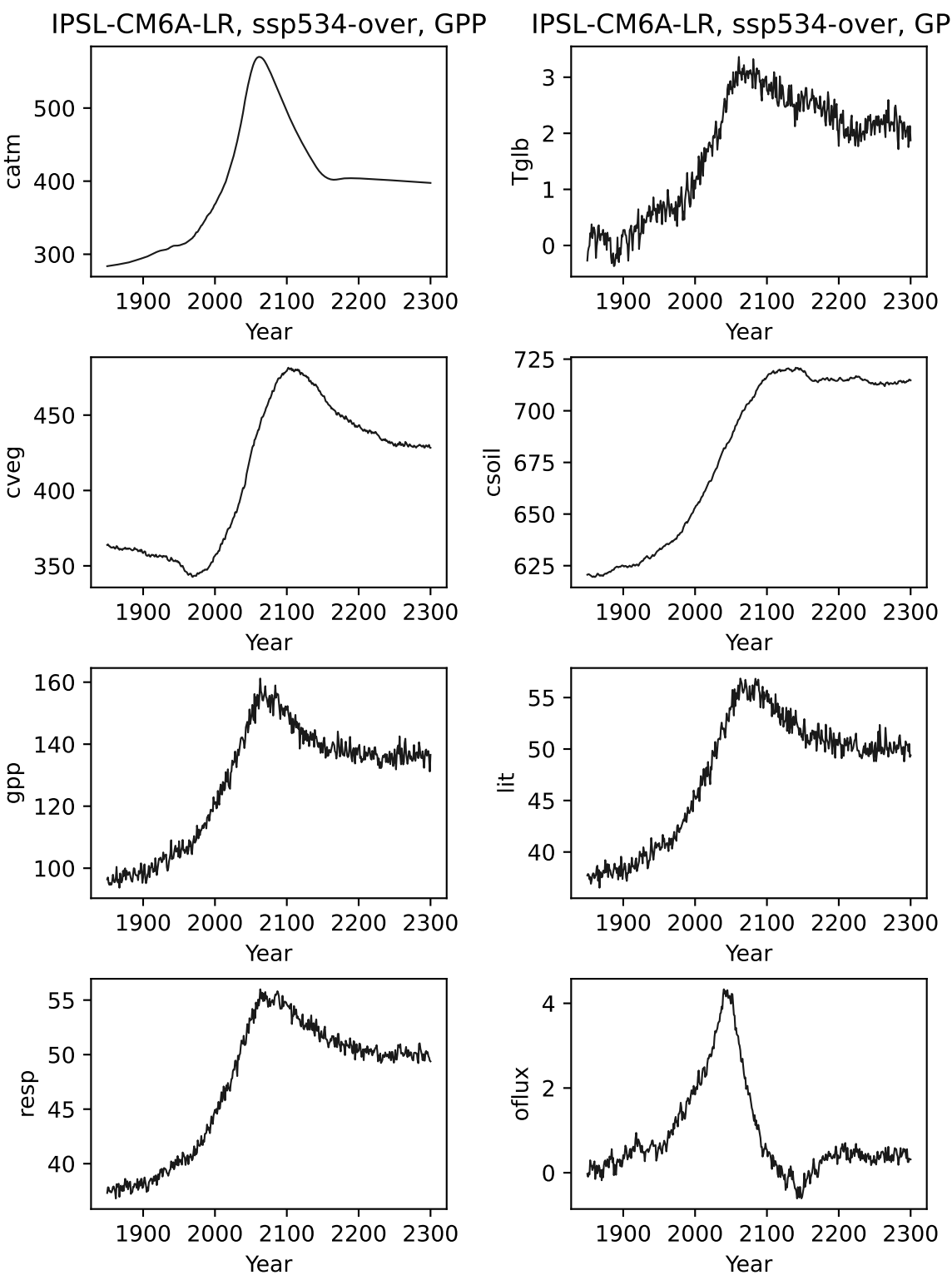
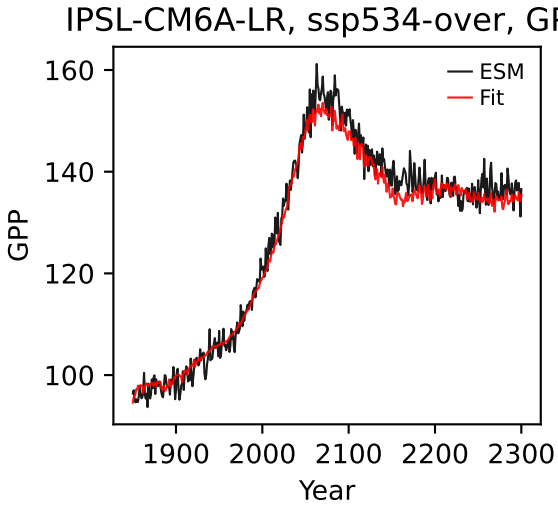
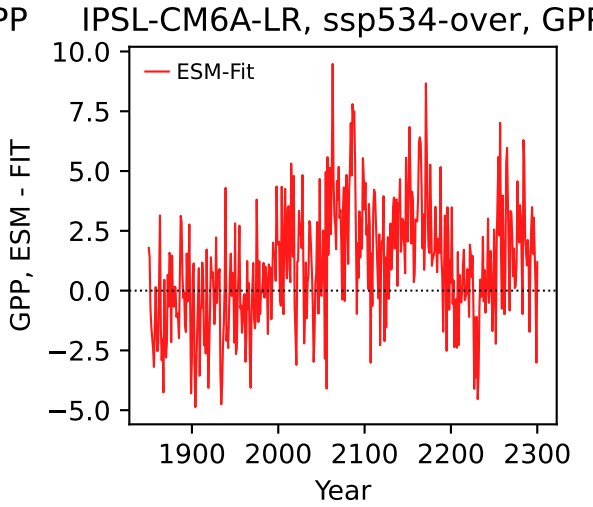
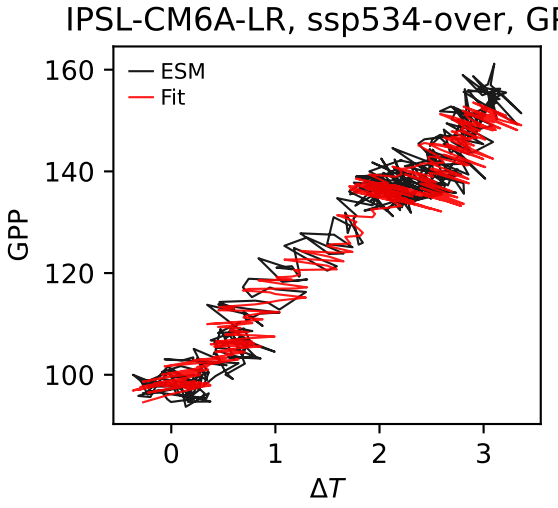
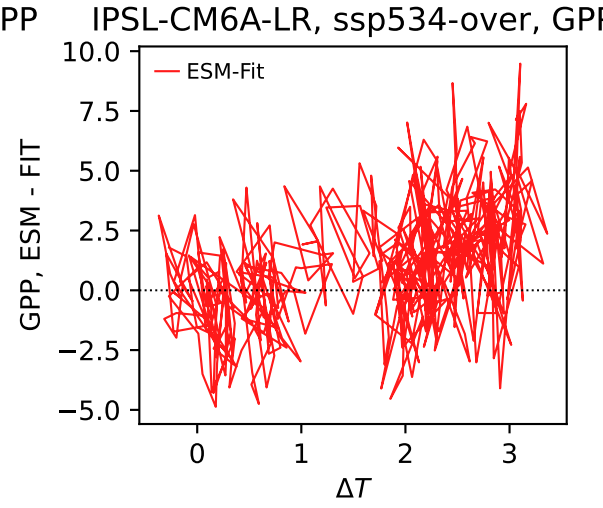
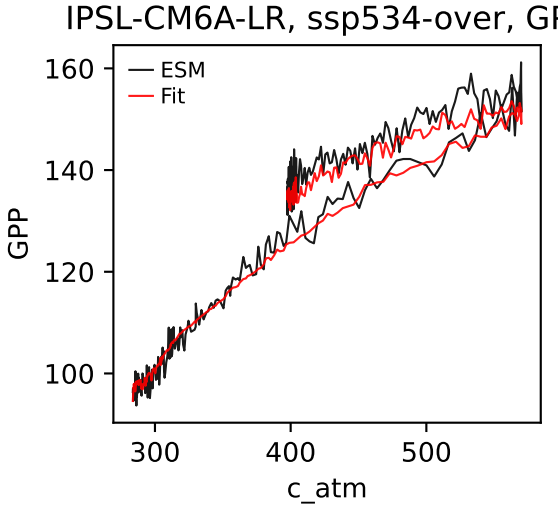

IPSL-CM6A-LR, ssp534-over, GPP
IPSL-CM6A-LR, ssp534-over, GPP
catm
Tglb
cveg
csoil
gpp
lit
resp
oflux
Year
1900
2000
2100
2200
2300

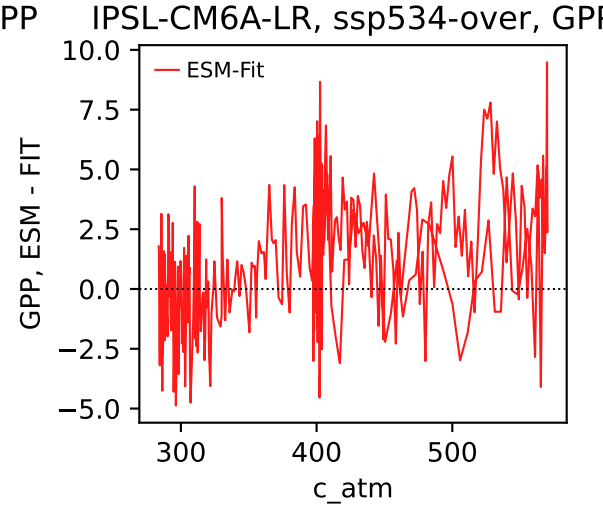

IPSL-CM6A-LR, ssp534-over, GPP
ESM
Fit
GPP
Year

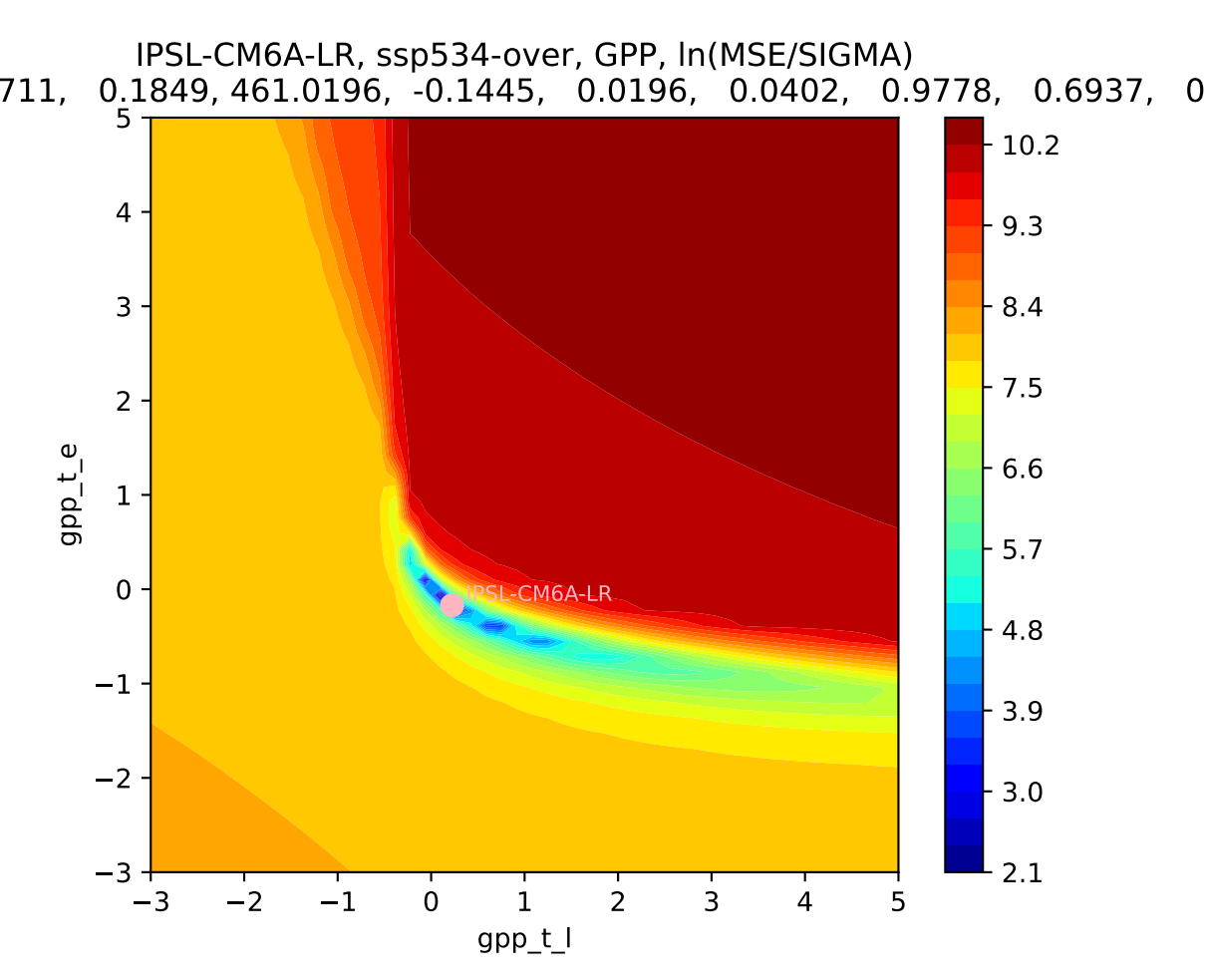

IPSL-CM6A-LR, ssp534-over, GPP
ESM-Fit
GPP, ESM - FIT
Year

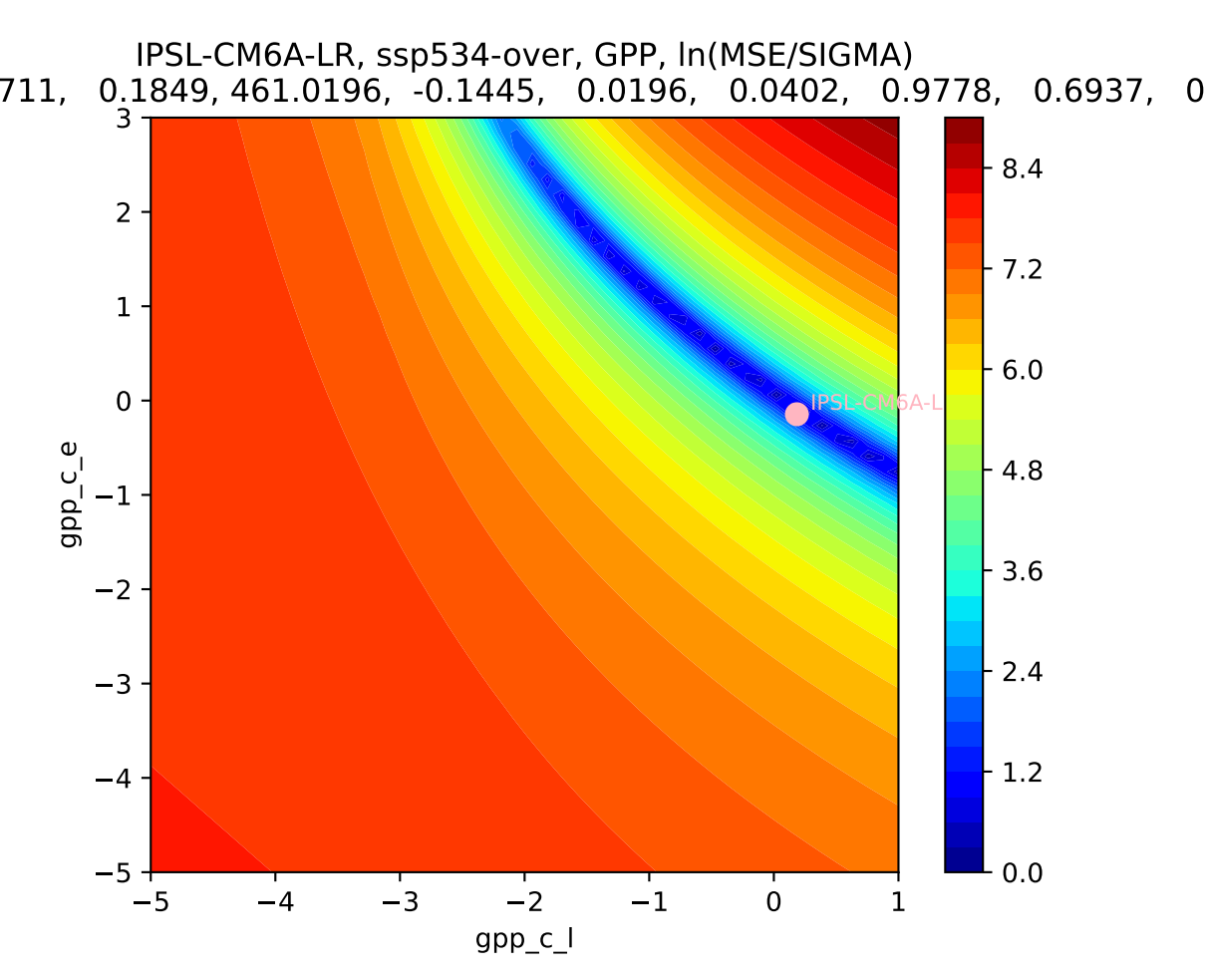

IPSL-CM6A-LR, ssp534-over, GPP
ESM
Fit
GPP
ΔT

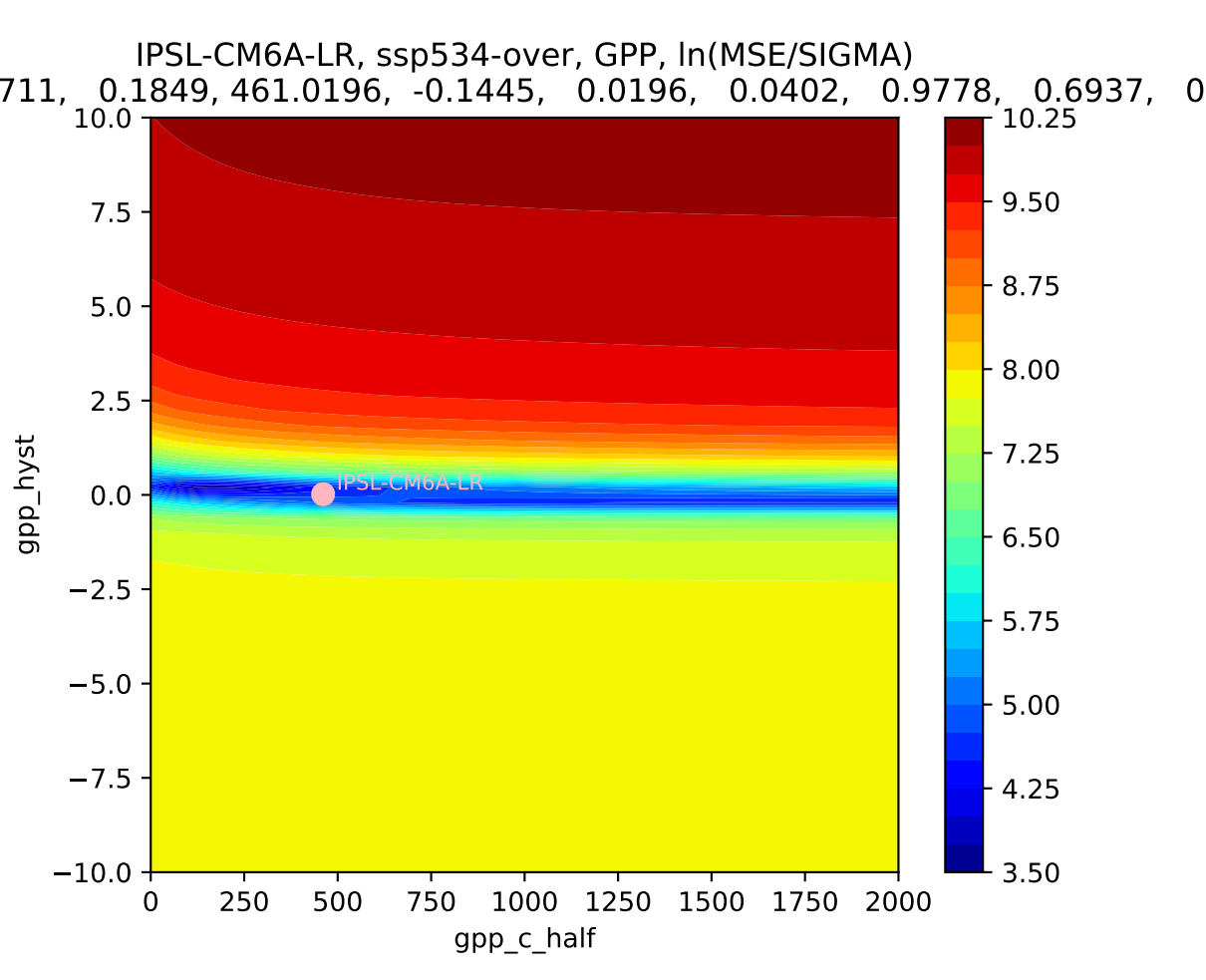

IPSL-CM6A-LR, ssp534-over, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

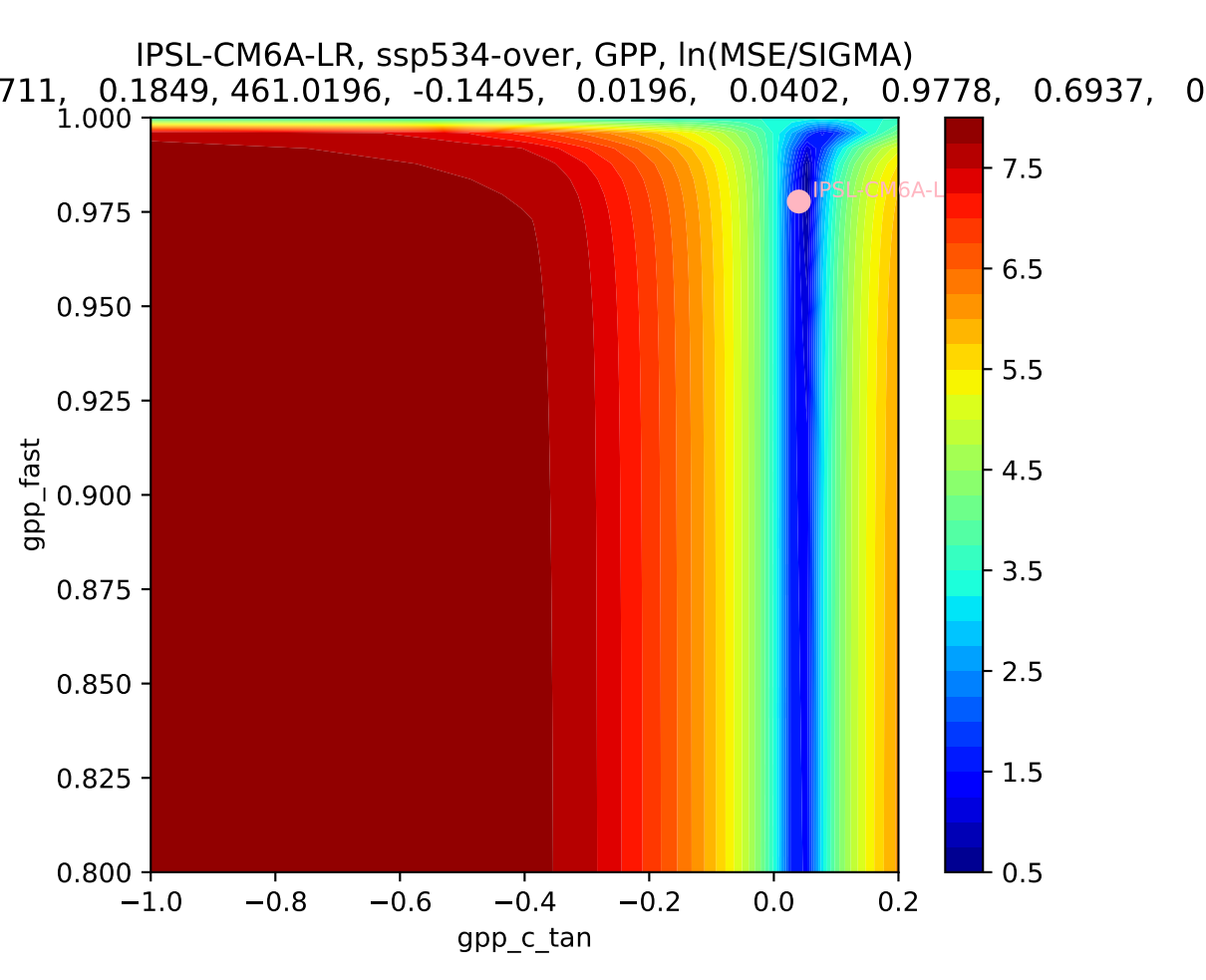

IPSL-CM6A-LR, ssp534-over, GPP
ESM
Fit
GPP
c_atm

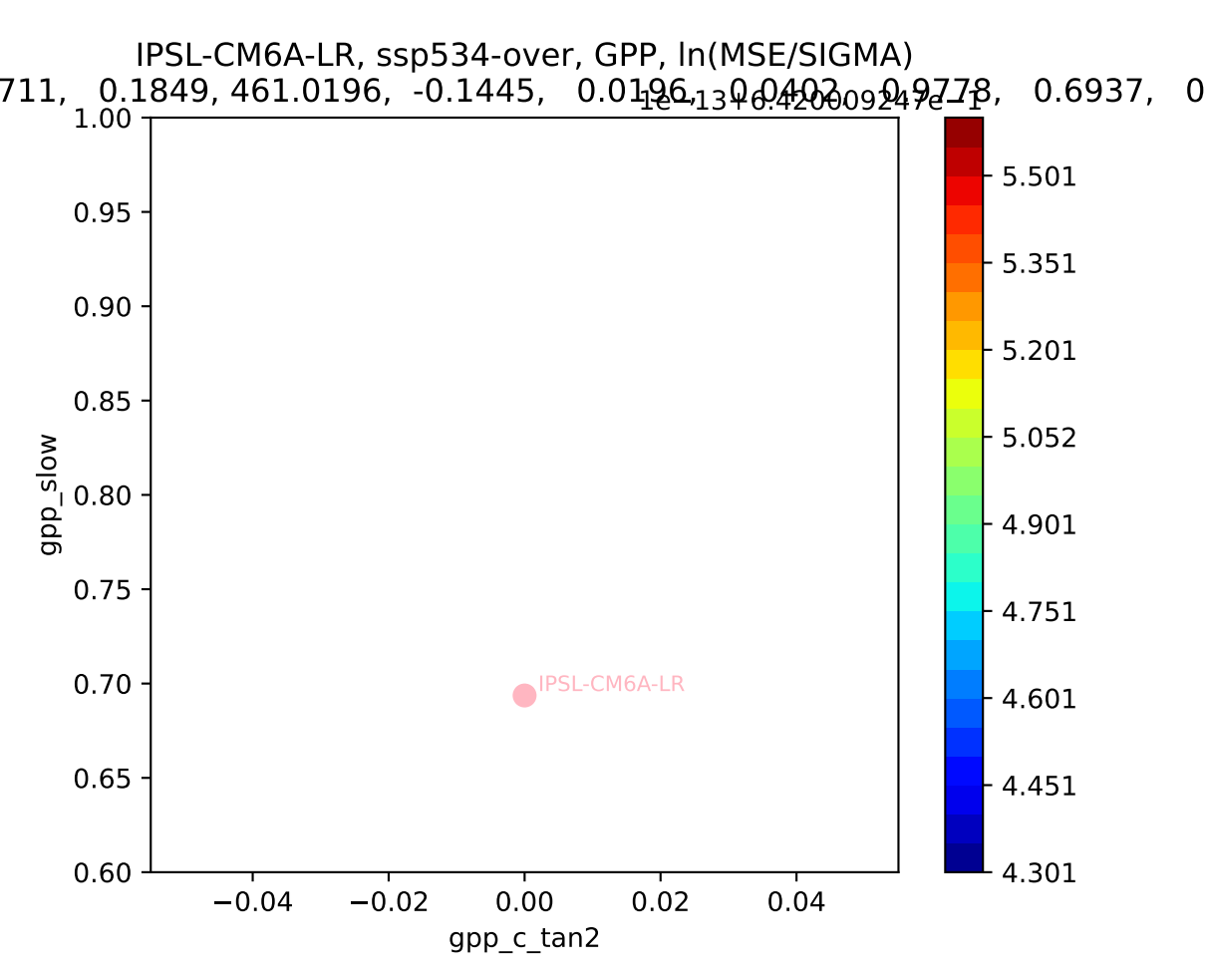

IPSL-CM6A-LR, ssp534-over, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

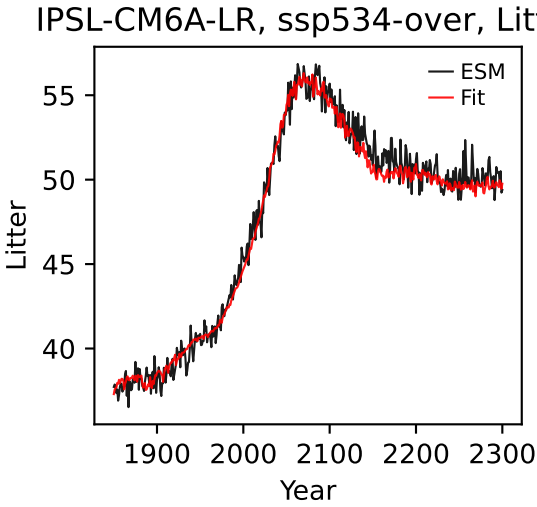

IPSL-CM6A-LR, ssp534-over, GPP, ln(MSE/SIGMA)
711, 0.1849, 461.0196, -0.1445, 0.0196, 0.0402, 0.9778, 0.6937, 0
IPSL-CM6A-LR
gpp_t_e
gpp_t_l
10.2
9.3
8.4
7.5
6.6
5.7
4.8
3.9
3.0
2.1

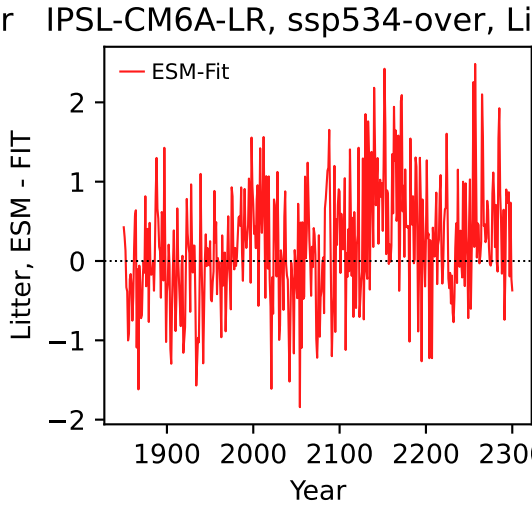

IPSL-CM6A-LR, ssp534-over, GPP, ln(MSE/SIGMA)
711, 0.1849, 461.0196, -0.1445, 0.0196, 0.0402, 0.9778, 0.6937, 0
IPSL-CM6A-L
gpp_c_e
gpp_c_l
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

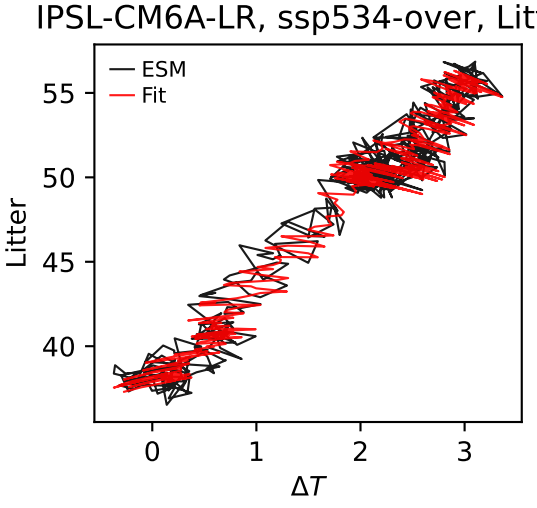

IPSL-CM6A-LR, ssp534-over, GPP, ln(MSE/SIGMA)
711, 0.1849, 461.0196, -0.1445, 0.0196, 0.0402, 0.9778, 0.6937, 0
IPSL-CM6A-LR
gpp_hyst
gpp_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.25
9.50
8.75
8.00
7.25
6.50
5.75
5.00
4.25
3.50

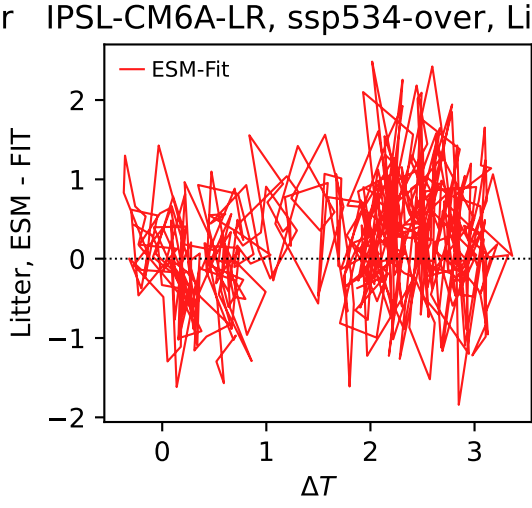

IPSL-CM6A-LR, ssp534-over, GPP, ln(MSE/SIGMA)
711, 0.1849, 461.0196, -0.1445, 0.0196, 0.0402, 0.9778, 0.6937, 0
IPSL-CM6A-L
gpp_fast
gpp_c_tan
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
7.5
6.5
5.5
4.5
3.5
2.5
1.5
0.5

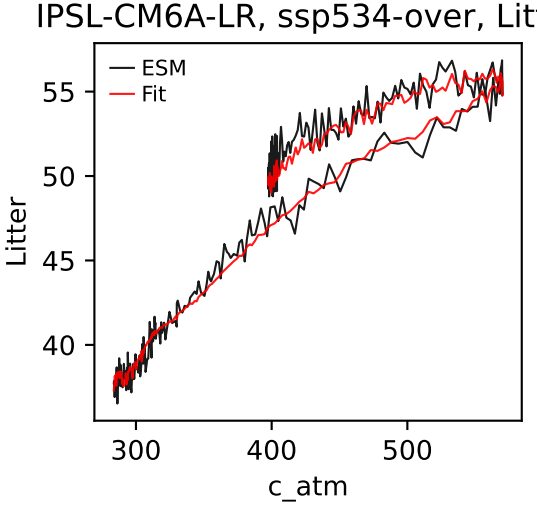

IPSL-CM6A-LR, ssp534-over, GPP, ln(MSE/SIGMA)
711, 0.1849, 461.0196, -0.1445, 0.0196, 0.0402, 0.9778, 0.6937, 0
1e−13+6.420009247e−1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
gpp_slow
IPSL-CM6A-LR
−0.04
−0.02
0.00
0.02
0.04
gpp_c_tan2
5.501
5.351
5.201
5.052
4.901
4.751
4.601
4.451
4.301

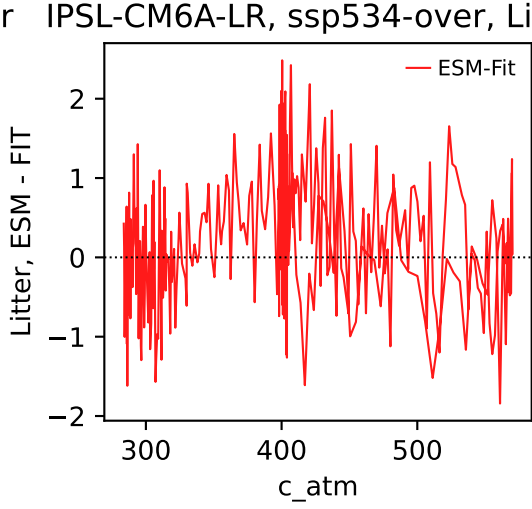

IPSL-CM6A-LR, ssp534-over, Litter
ESM
Fit
Litter
Year

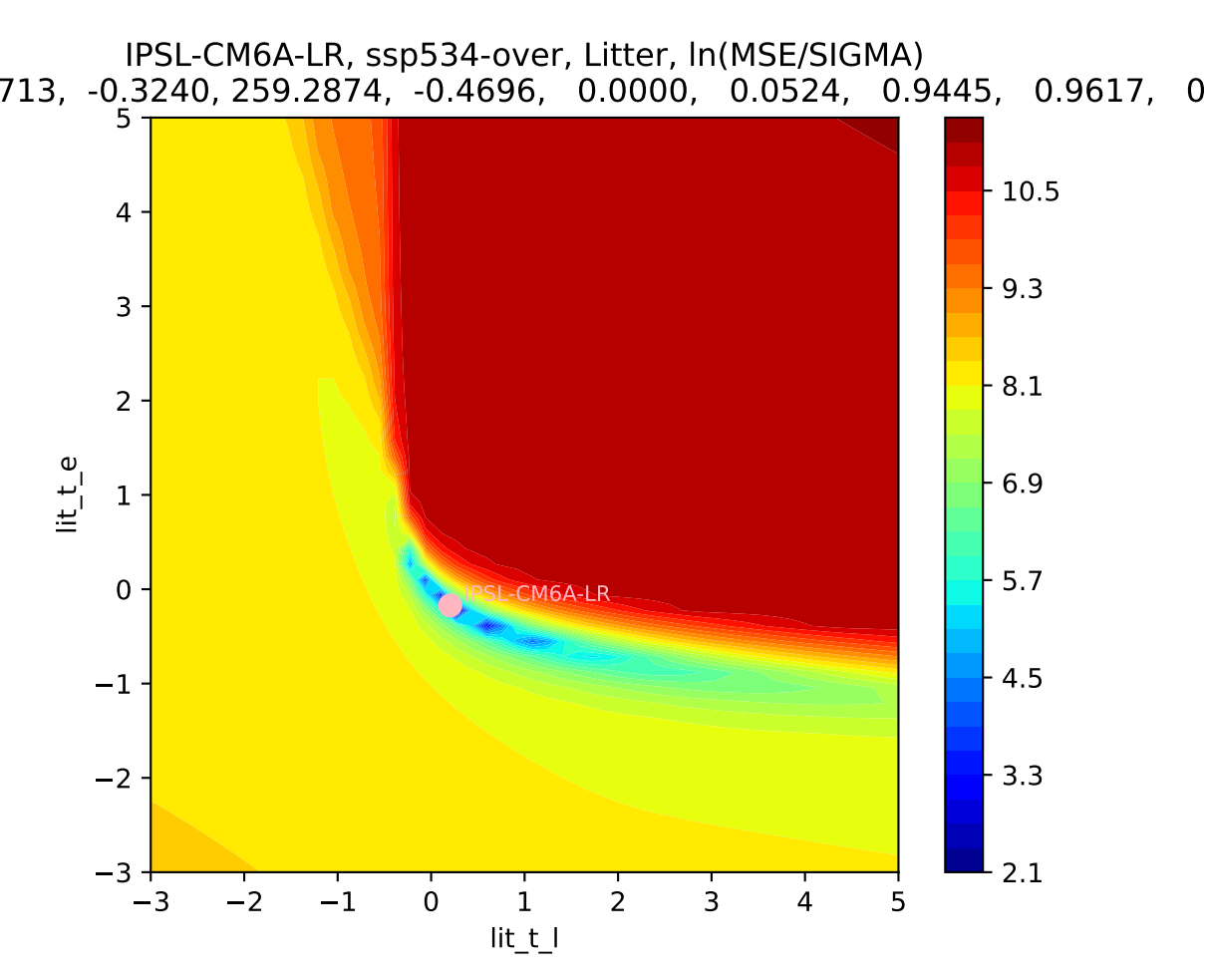

IPSL-CM6A-LR, ssp534-over, Litte
ESM-Fit
Litter, ESM - FIT
Year

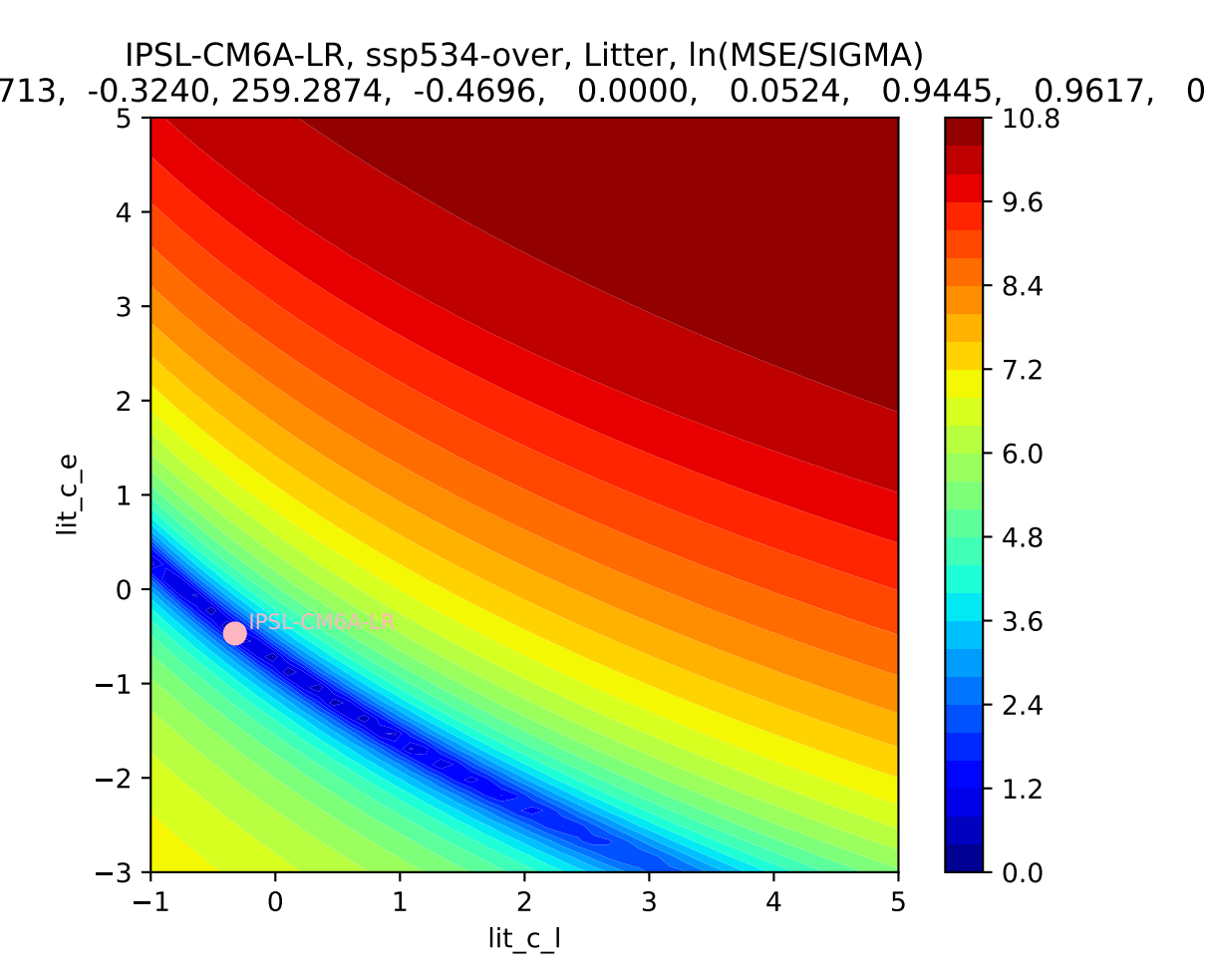

IPSL-CM6A-LR, ssp534-over, Litter
ESM
Fit
Litter
ΔT

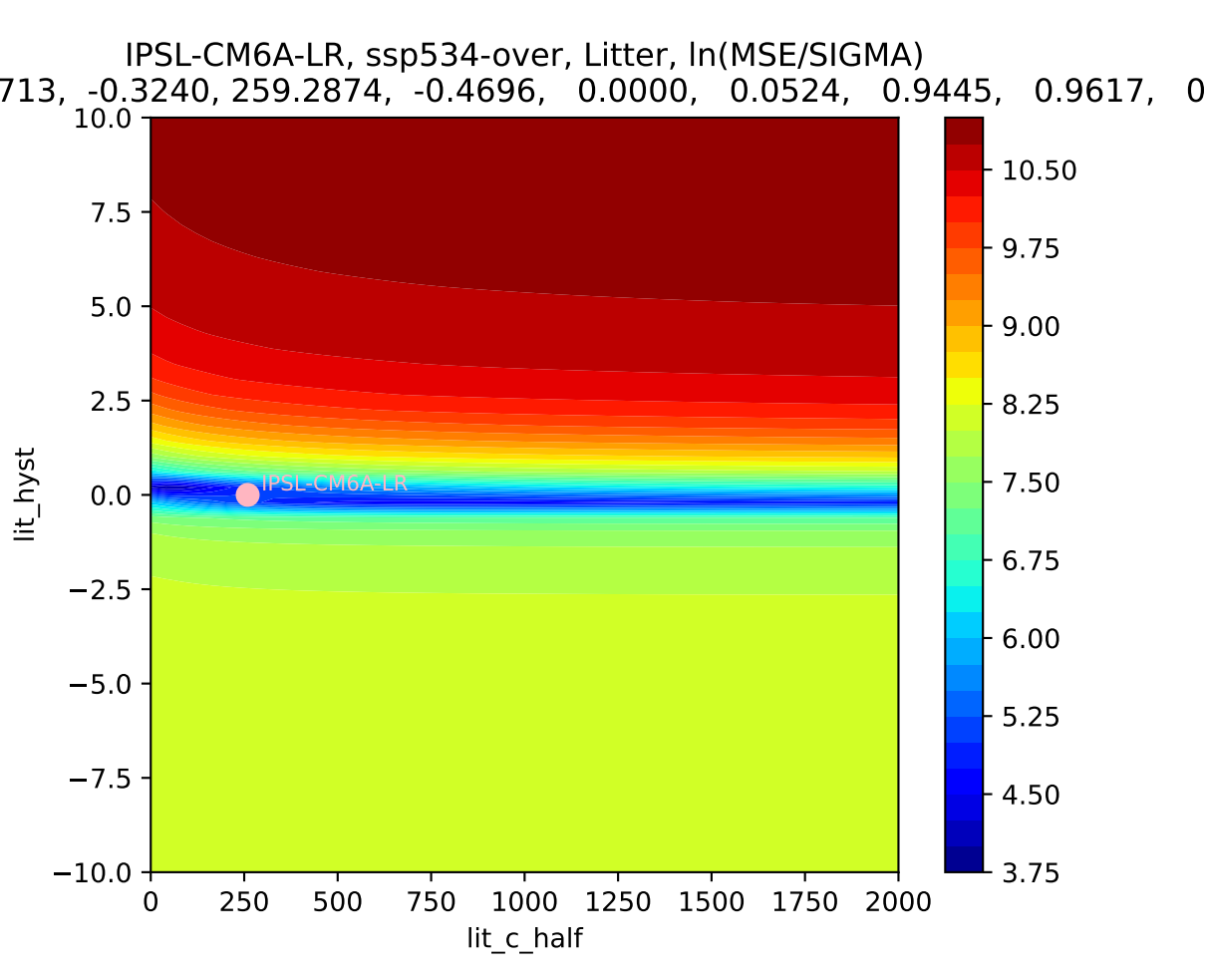

IPSL-CM6A-LR, ssp534-over, Litte
ESM-Fit
Litter, ESM - FIT
ΔT

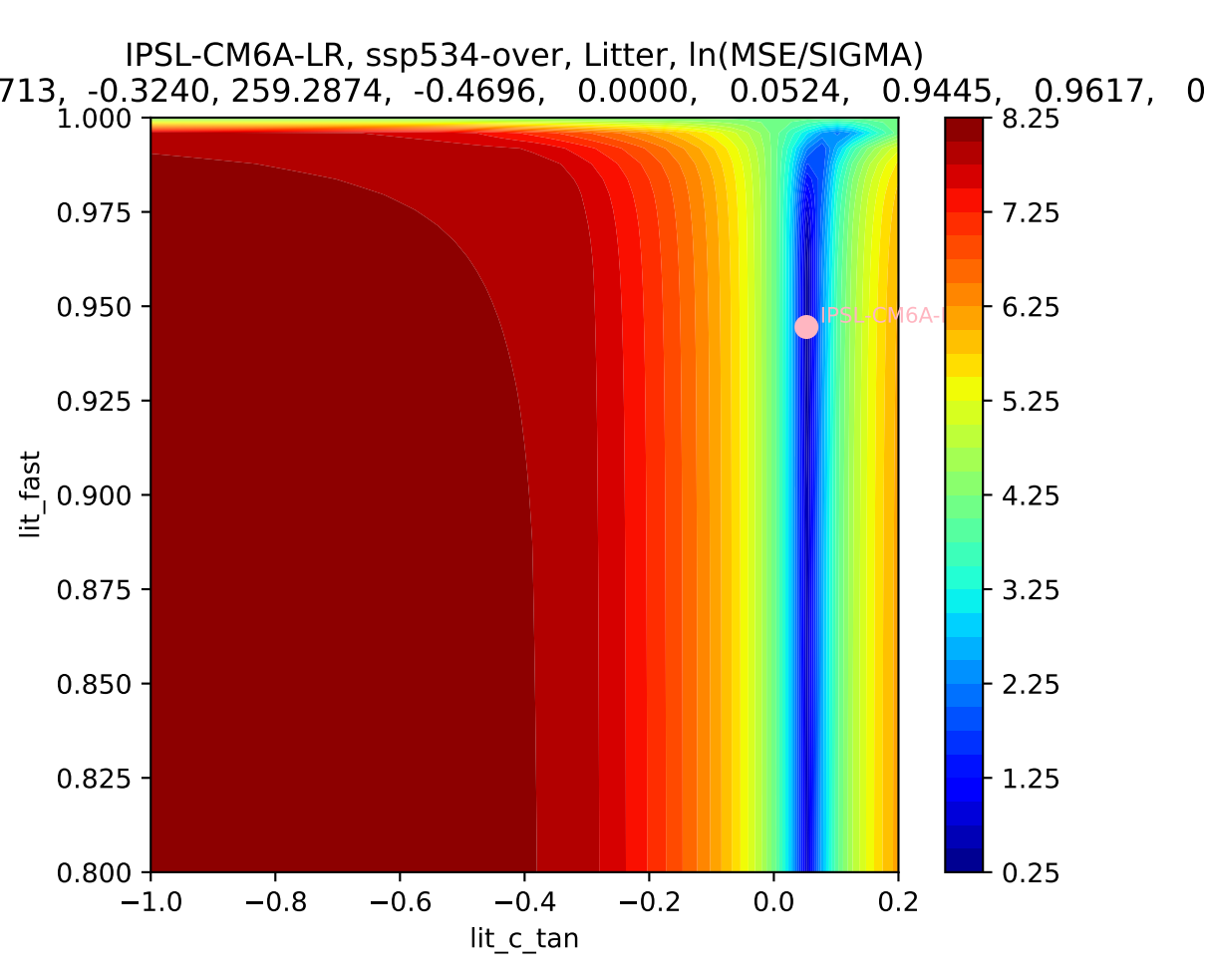

IPSL-CM6A-LR, ssp534-over, Litter
ESM
Fit
Litter
c_atm

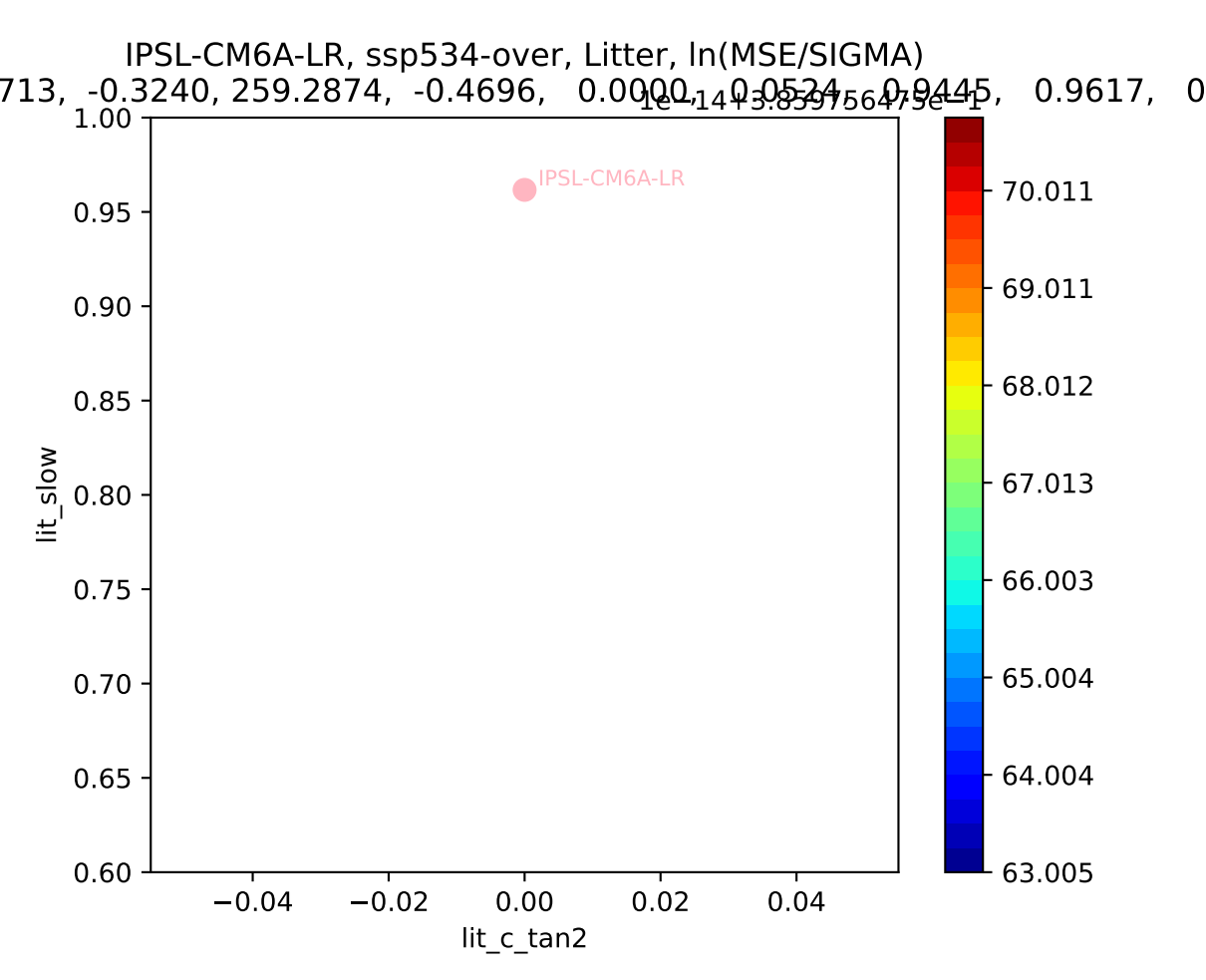

IPSL-CM6A-LR, ssp534-over, Litte
ESM-Fit
Litter, ESM - FIT
c_atm

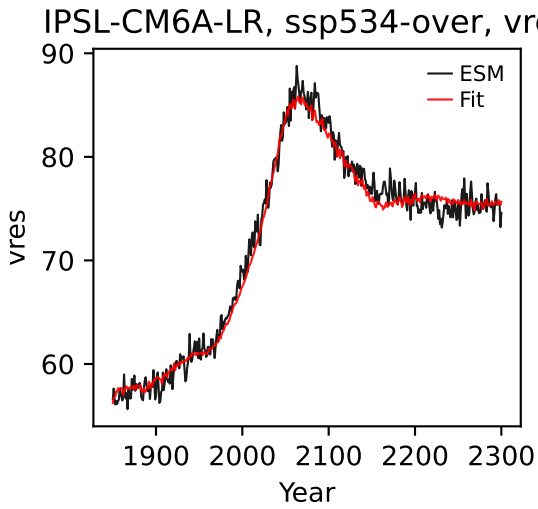

IPSL-CM6A-LR, ssp534-over, Litter, ln(MSE/SIGMA)
713, -0.3240, 259.2874, -0.4696, 0.0000, 0.0524, 0.9445, 0.9617, 0
IPSL-CM6A-LR
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
10.5
9.3
8.1
6.9
5.7
4.5
3.3
2.1

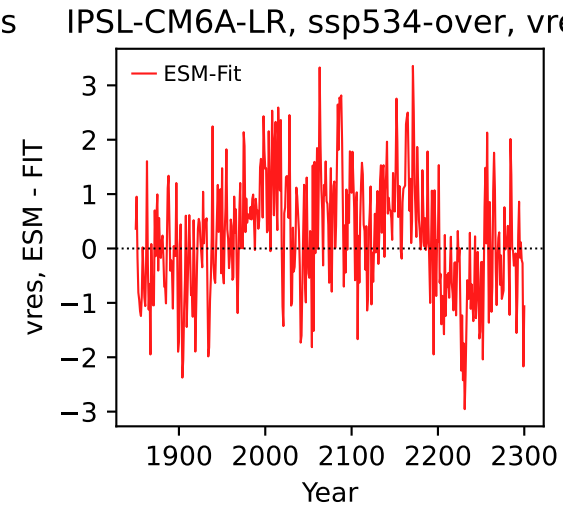

IPSL-CM6A-LR, ssp534-over, Litter, ln(MSE/SIGMA)
713, -0.3240, 259.2874, -0.4696, 0.0000, 0.0524, 0.9445, 0.9617, 0
IPSL-CM6A-LR
lit_c_e
lit_c_l
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

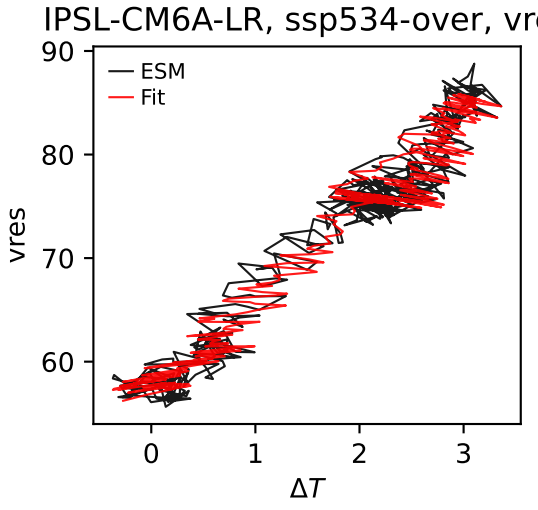

IPSL-CM6A-LR, ssp534-over, Litter, ln(MSE/SIGMA)
713, -0.3240, 259.2874, -0.4696, 0.0000, 0.0524, 0.9445, 0.9617, 0
IPSL-CM6A-LR
lit_hyst
lit_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
10.50
9.75
9.00
8.25
7.50
6.75
6.00
5.25
4.50
3.75

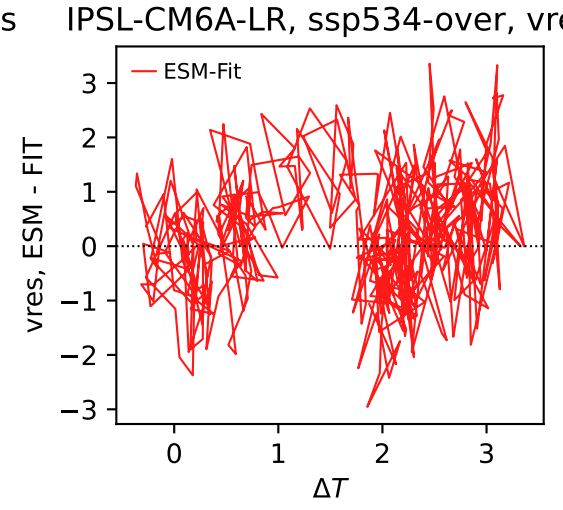

IPSL-CM6A-LR, ssp534-over, Litter, ln(MSE/SIGMA)
713, -0.3240, 259.2874, -0.4696, 0.0000, 0.0524, 0.9445, 0.9617, 0
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
lit_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
lit_c_tan
8.25
7.25
6.25
5.25
4.25
3.25
2.25
1.25
0.25

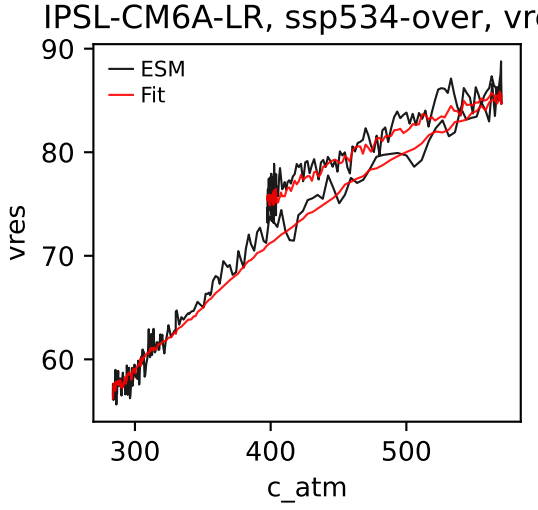

IPSL-CM6A-LR, ssp534-over, Litter, ln(MSE/SIGMA)
713, -0.3240, 259.2874, -0.4696, 0.0000, 0.0524, 0.9445, 0.9617, 0
1e−14+3.8597564759e−1
IPSL-CM6A-LR
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
lit_slow
−0.04
−0.02
0.00
0.02
0.04
lit_c_tan2
70.011
69.011
68.012
67.013
66.003
65.004
64.004
63.005

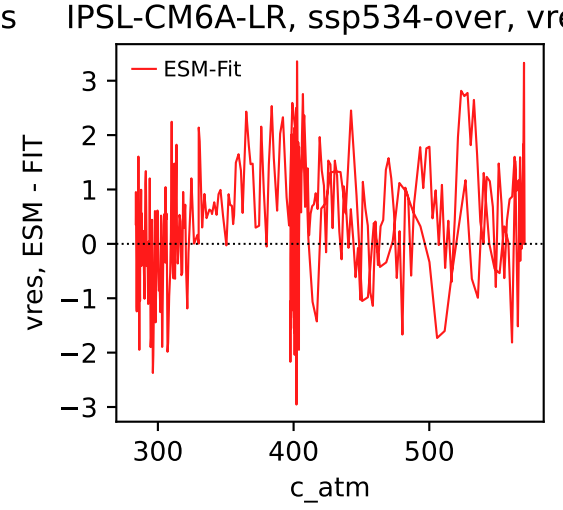

IPSL-CM6A-LR, ssp534-over, vres
ESM
Fit
vres
Year

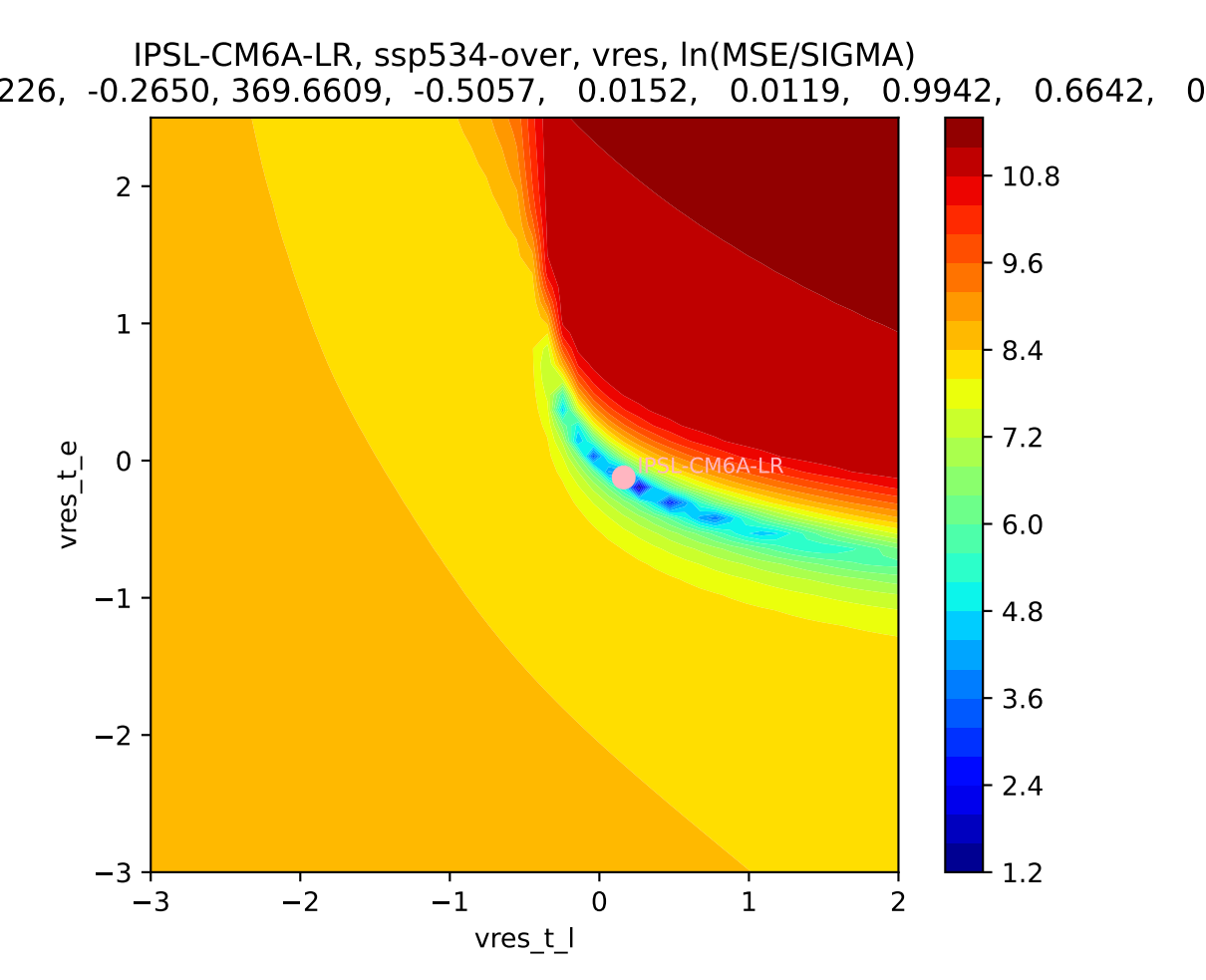

IPSL-CM6A-LR, ssp534-over, vres
ESM-Fit
vres, ESM - FIT
Year

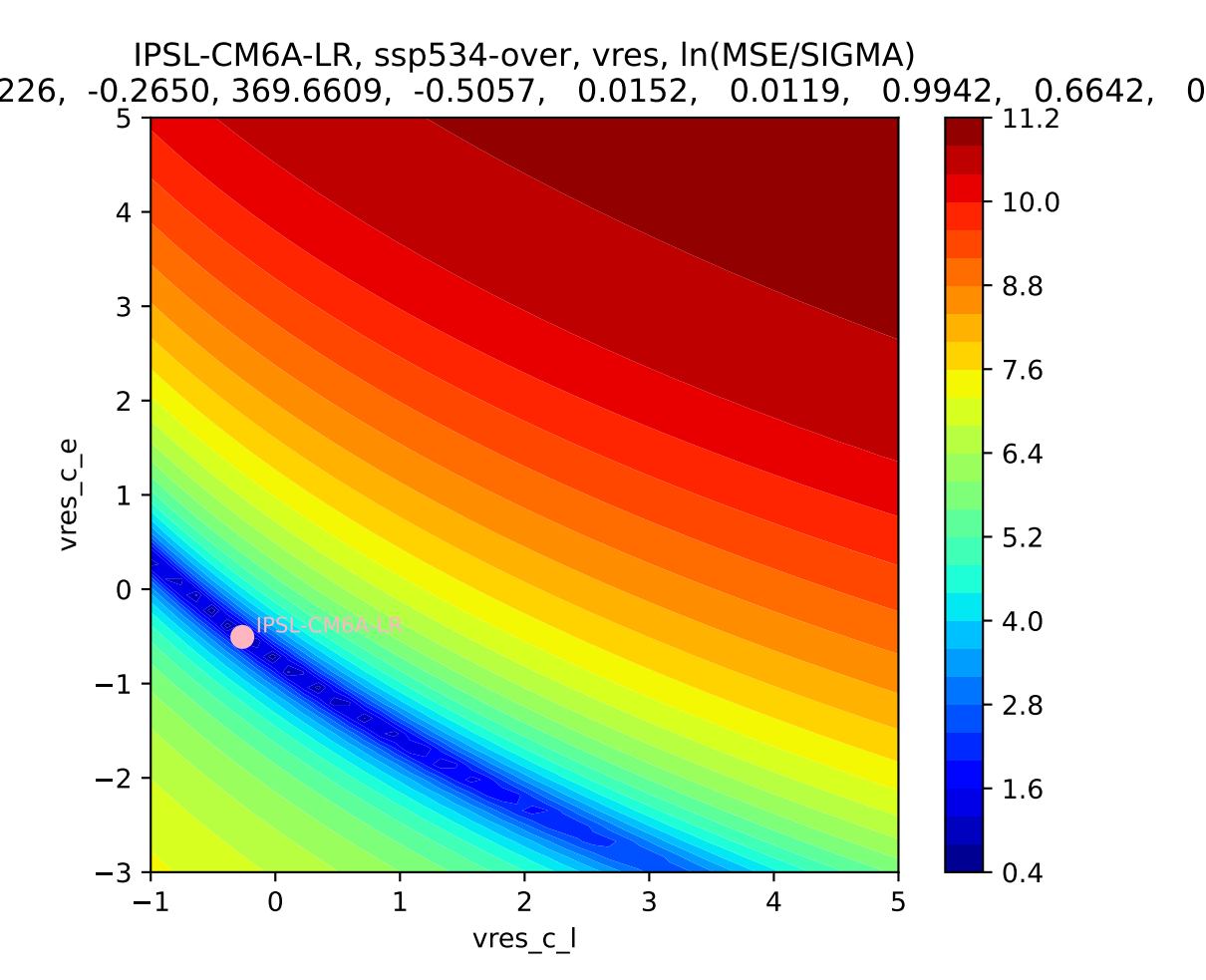

IPSL-CM6A-LR, ssp534-over, vres
ESM
Fit
vres
ΔT

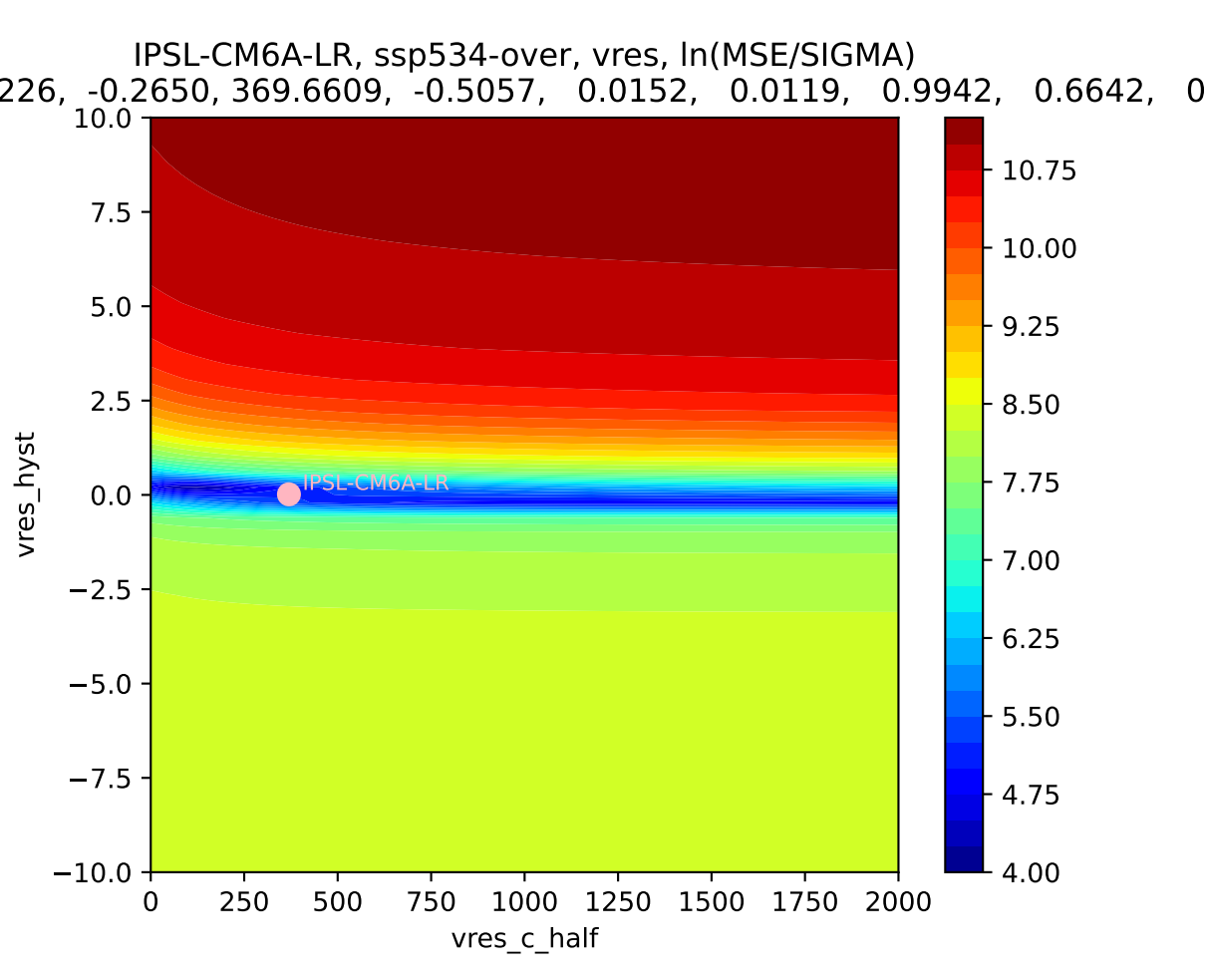

IPSL-CM6A-LR, ssp534-over, vres
ESM-Fit
vres, ESM - FIT
ΔT

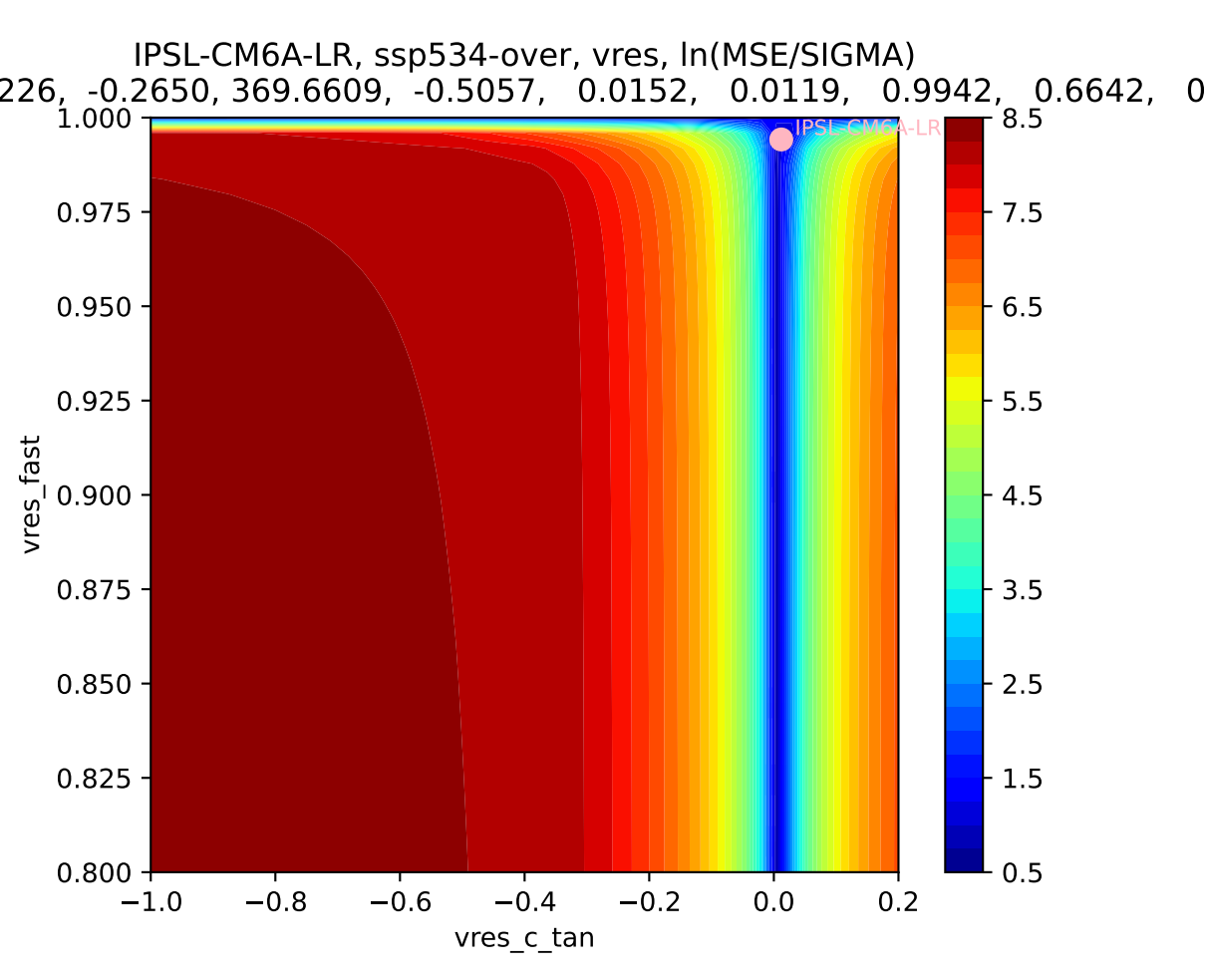

IPSL-CM6A-LR, ssp534-over, vres
ESM
Fit
vres
c_atm

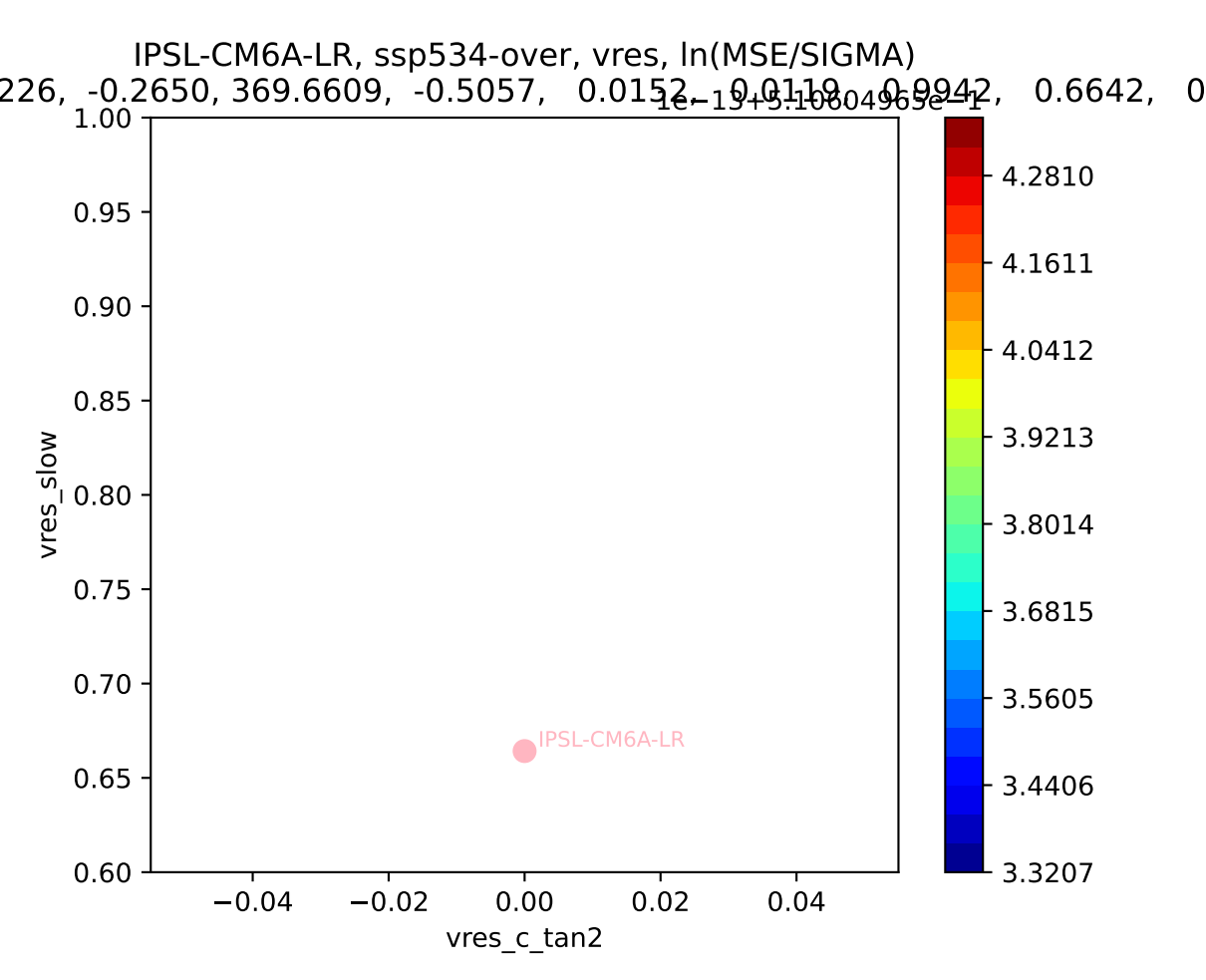

IPSL-CM6A-LR, ssp534-over, vres
ESM-Fit
vres, ESM - FIT
c_atm

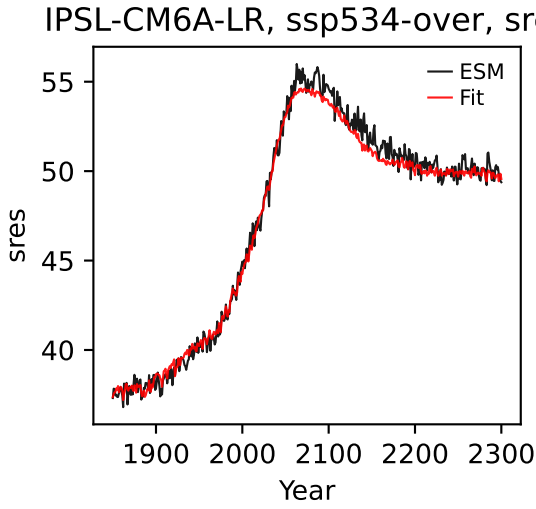

IPSL-CM6A-LR, ssp534-over, vres, ln(MSE/SIGMA)
226, -0.2650, 369.6609, -0.5057, 0.0152, 0.0119, 0.9942, 0.6642, 0
IPSL-CM6A-LR
vres_t_e
vres_t_l
2
1
0
−1
−2
−3
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2

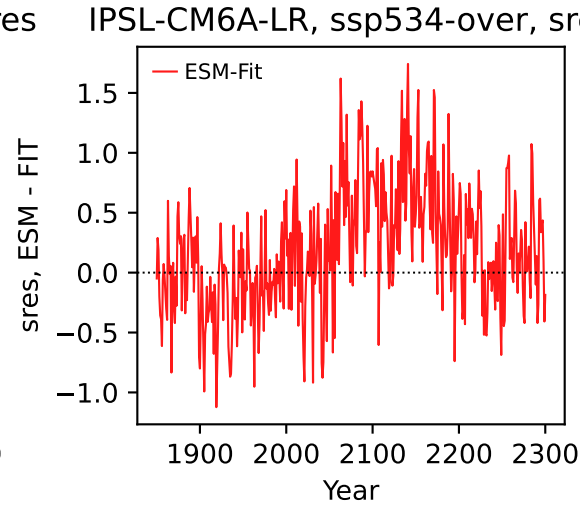

IPSL-CM6A-LR, ssp534-over, vres, ln(MSE/SIGMA)
226, -0.2650, 369.6609, -0.5057, 0.0152, 0.0119, 0.9942, 0.6642, 0
vres_c_e
vres_c_l
IPSL-CM6A-LR
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

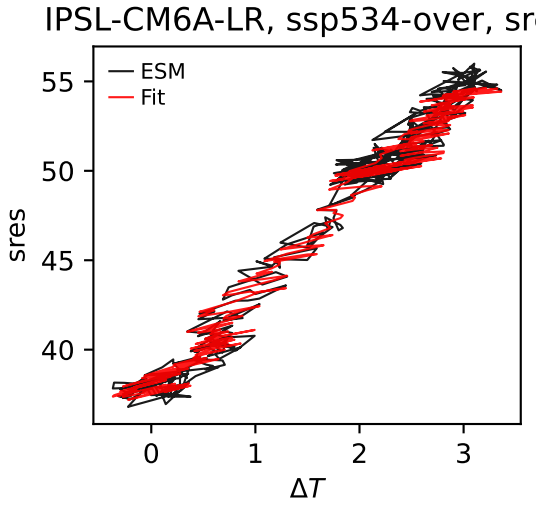

IPSL-CM6A-LR, ssp534-over, vres, ln(MSE/SIGMA)
226, -0.2650, 369.6609, -0.5057, 0.0152, 0.0119, 0.9942, 0.6642, 0
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
vres_hyst
IPSL-CM6A-LR
0
250
500
750
1000
1250
1500
1750
2000
vres_c_half
10.75
10.00
9.25
8.50
7.75
7.00
6.25
5.50
4.75
4.00

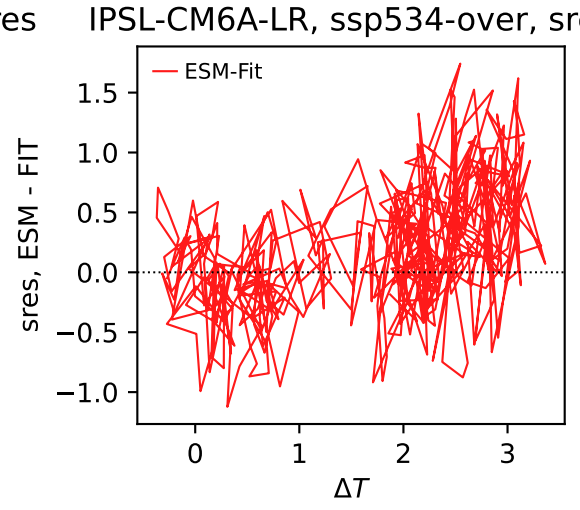

IPSL-CM6A-LR, ssp534-over, vres, ln(MSE/SIGMA)
226, -0.2650, 369.6609, -0.5057, 0.0152, 0.0119, 0.9942, 0.6642, 0
IPSL-CM6A-LR
vres_fast
vres_c_tan
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
8.5
7.5
6.5
5.5
4.5
3.5
2.5
1.5
0.5

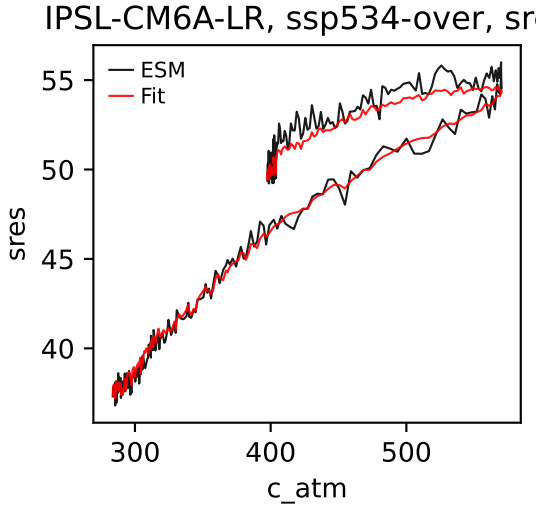

IPSL-CM6A-LR, ssp534-over, vres, ln(MSE/SIGMA)
226, -0.2650, 369.6609, -0.5057, 0.0152, 0.0119, 0.9942, 0.6642, 0
1e−13+5.1e04965e−1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
vres_slow
−0.04
−0.02
0.00
0.02
0.04
vres_c_tan2
IPSL-CM6A-LR
4.2810
4.1611
4.0412
3.9213
3.8014
3.6815
3.5605
3.4406
3.3207

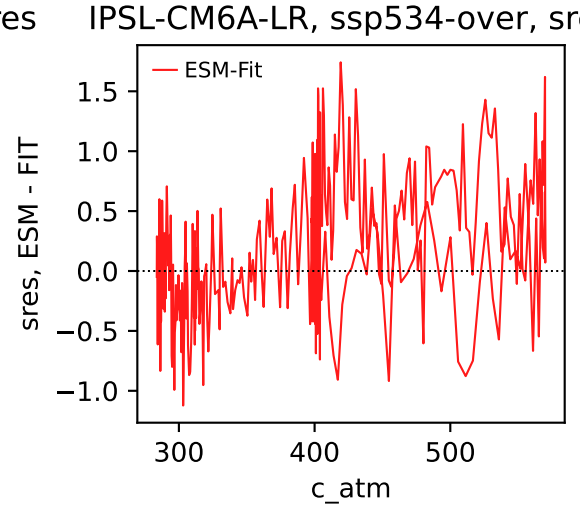

IPSL-CM6A-LR, ssp534-over, sres
ESM
Fit
sres
Year

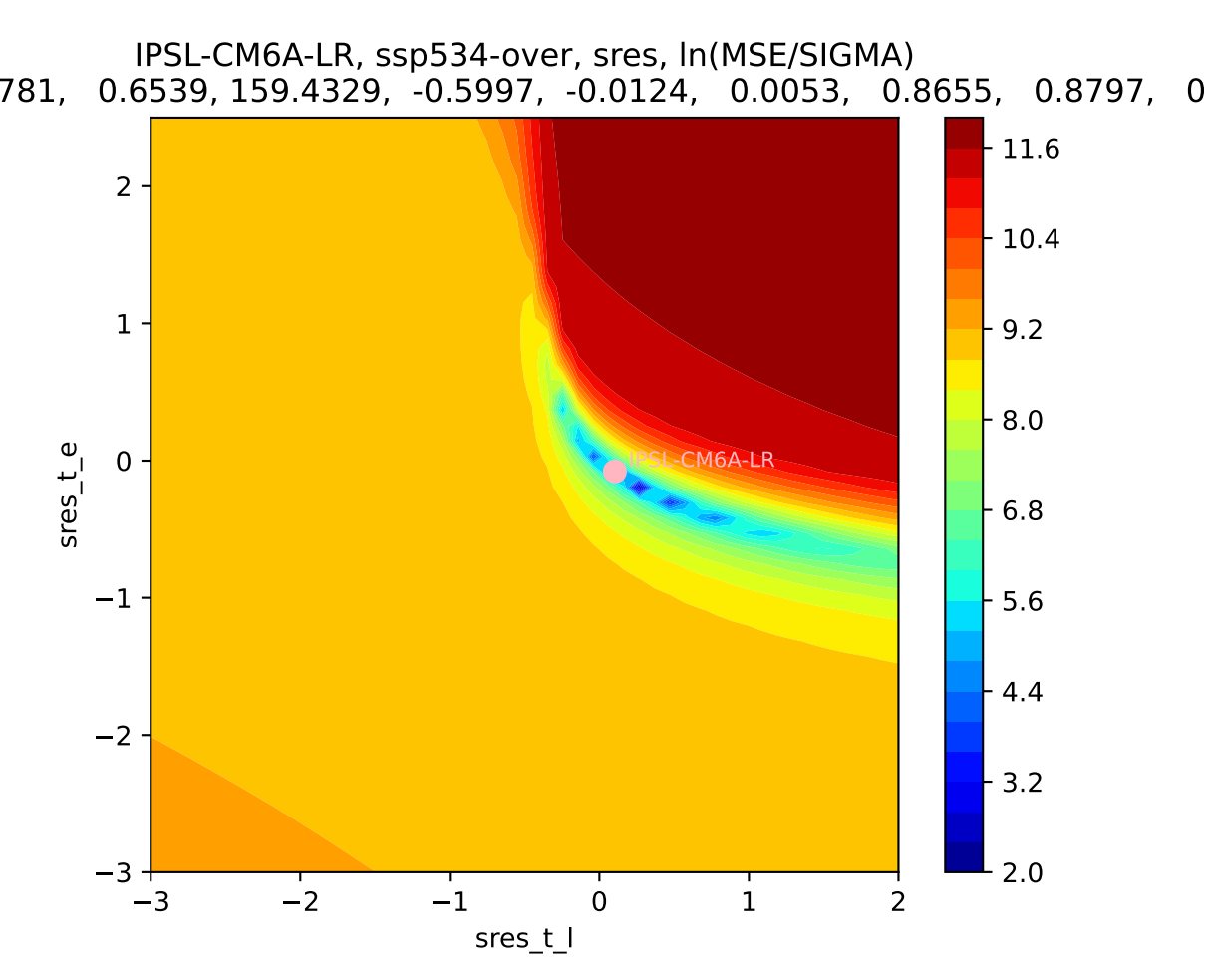

IPSL-CM6A-LR, ssp534-over, sres
ESM-Fit
sres, ESM - FIT
Year

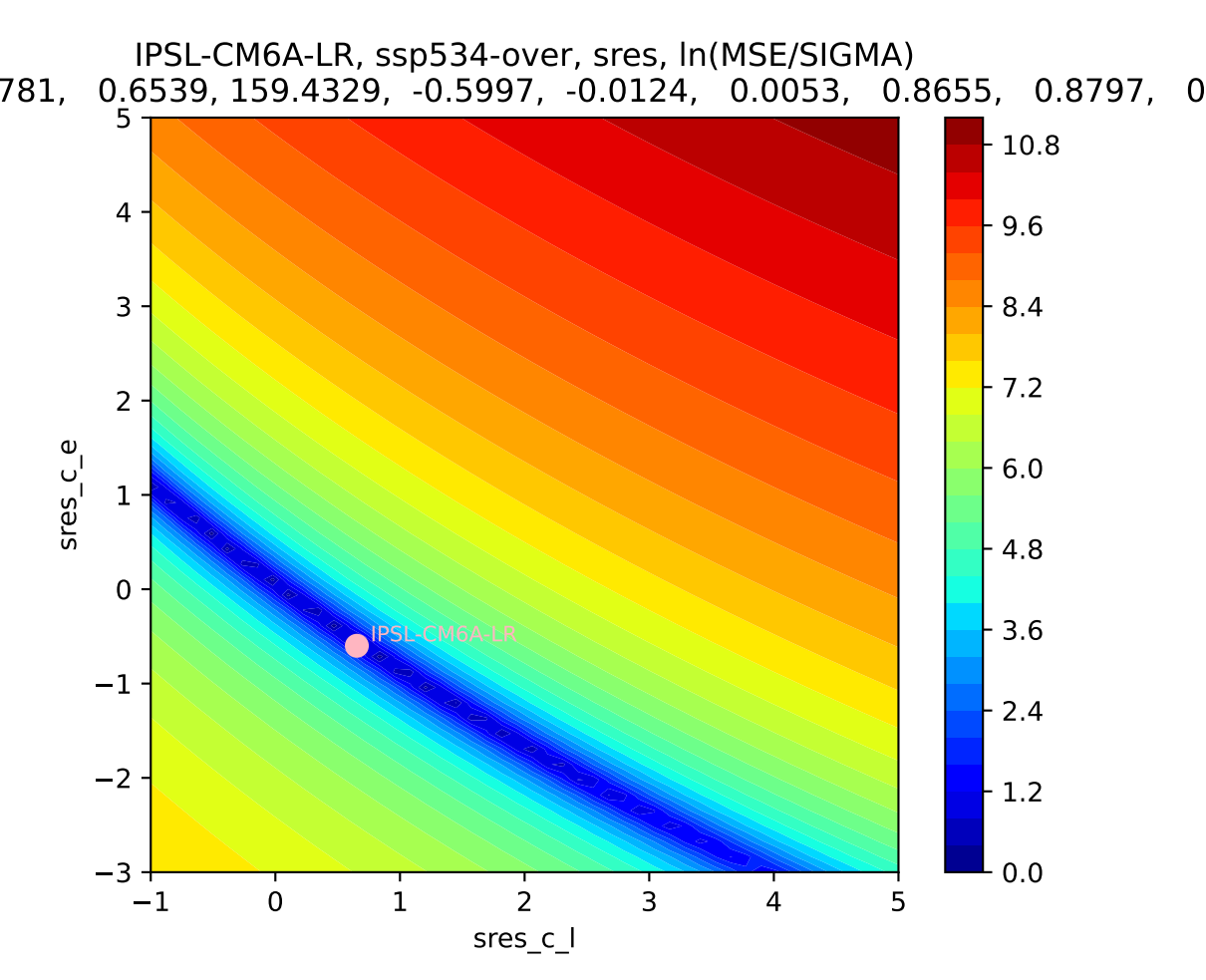

IPSL-CM6A-LR, ssp534-over, sres
ESM
Fit
sres
ΔT

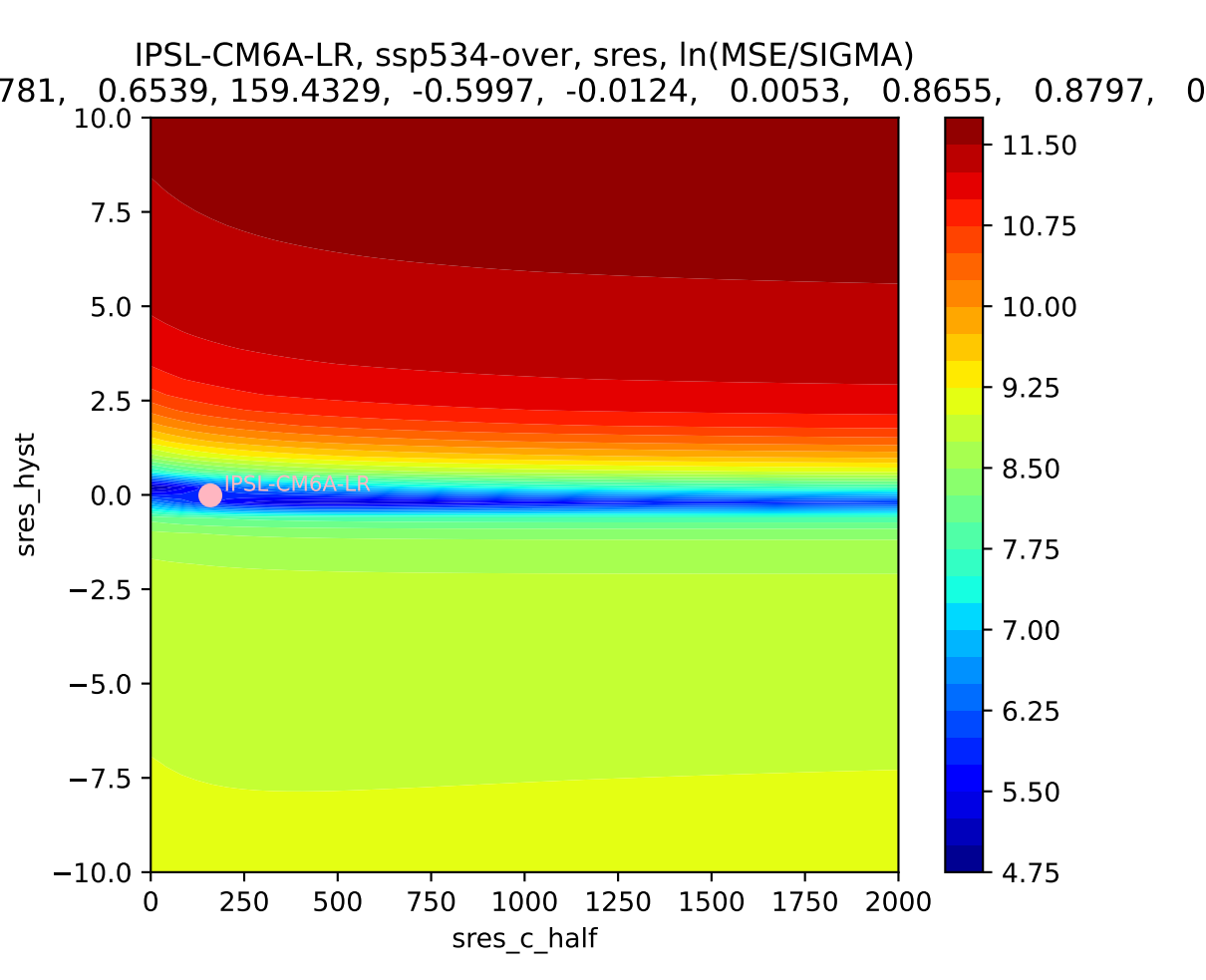

IPSL-CM6A-LR, ssp534-over, sres
ESM-Fit
sres, ESM - FIT
ΔT

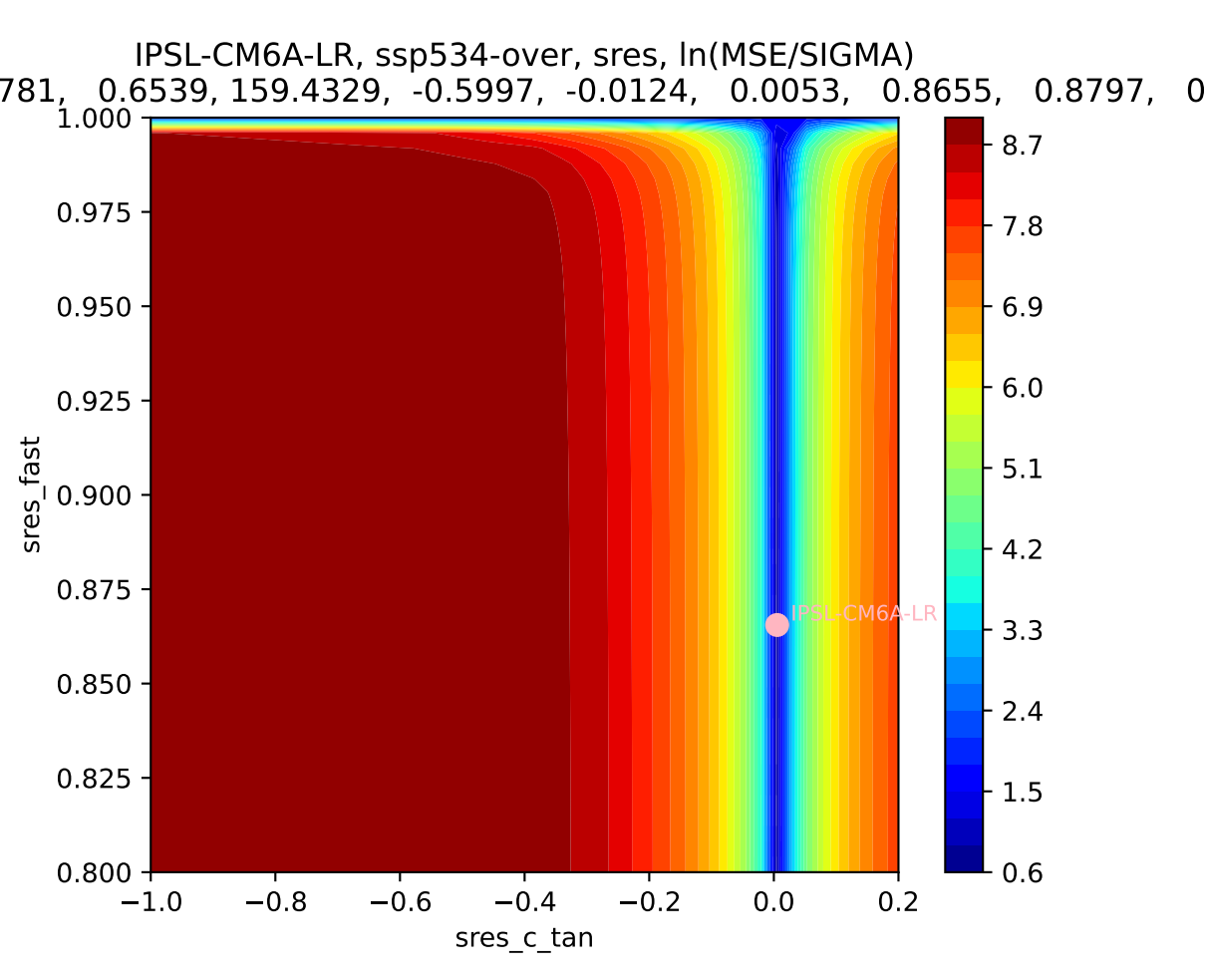

IPSL-CM6A-LR, ssp534-over, sres
ESM
Fit
sres
c_atm

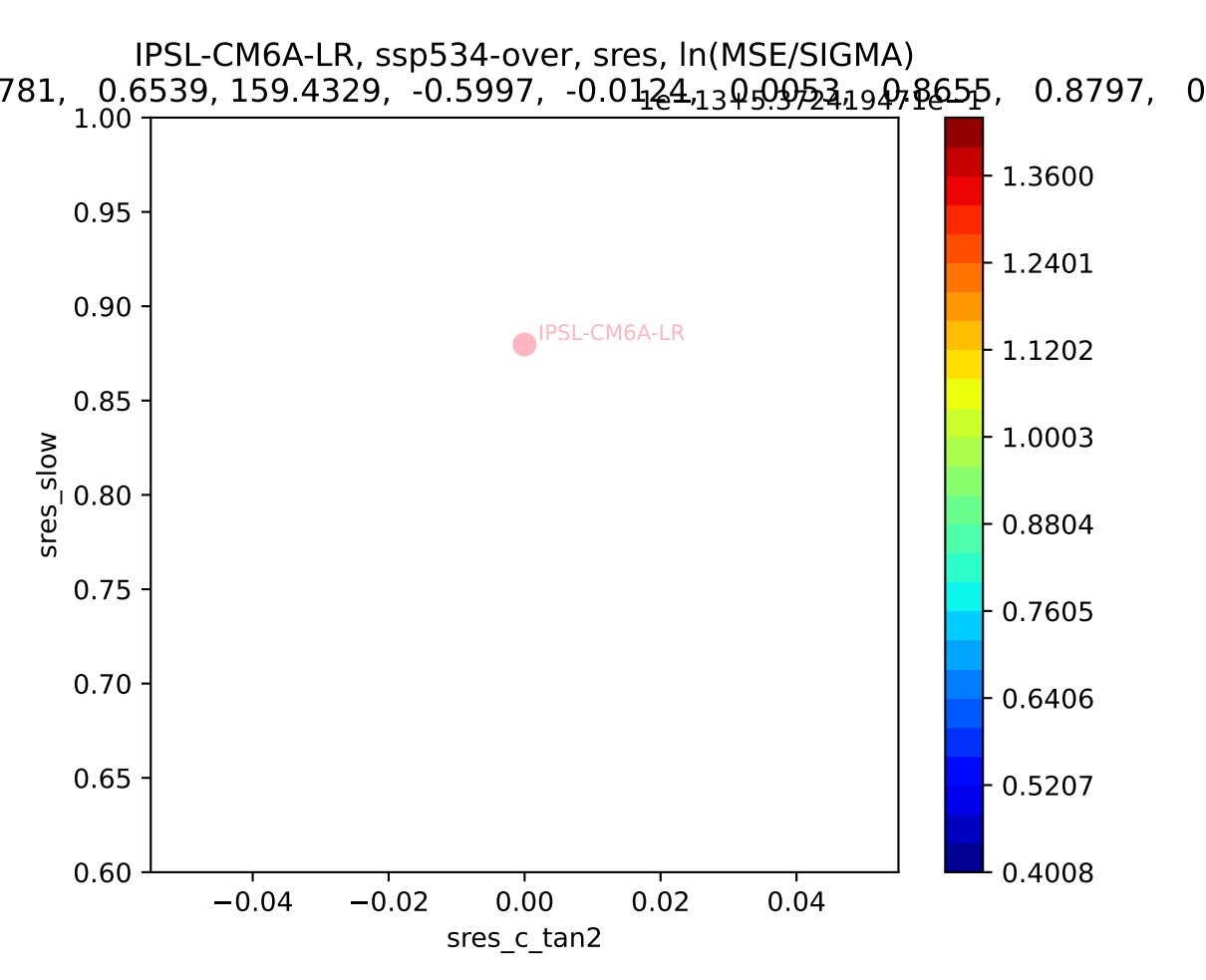

IPSL-CM6A-LR, ssp534-over, sres
ESM-Fit
sres, ESM - FIT
c_atm

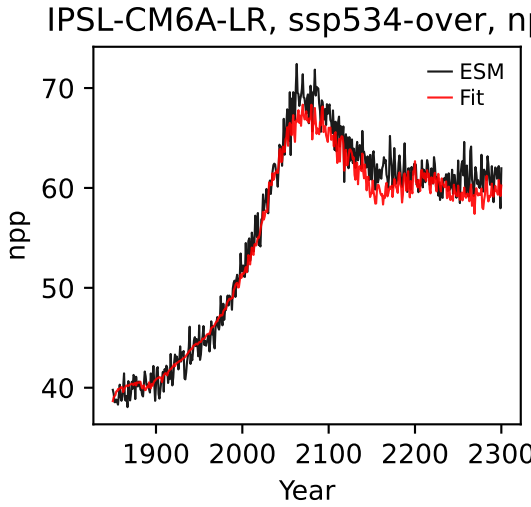

IPSL-CM6A-LR, ssp534-over, sres, ln(MSE/SIGMA)
781, 0.6539, 159.4329, -0.5997, -0.0124, 0.0053, 0.8655, 0.8797, 0
IPSL-CM6A-LR
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
11.6
10.4
9.2
8.0
6.8
5.6
4.4
3.2
2.0

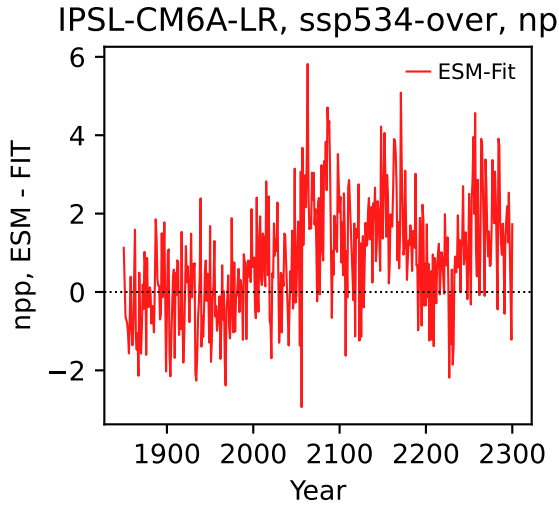

IPSL-CM6A-LR, ssp534-over, sres, ln(MSE/SIGMA)
781, 0.6539, 159.4329, -0.5997, -0.0124, 0.0053, 0.8655, 0.8797, 0
IPSL-CM6A-LR
sres_c_e
sres_c_l
5
4
3
2
1
0
−1
−2
−3
−1
0
1
2
3
4
5
10.8
9.6
8.4
7.2
6.0
4.8
3.6
2.4
1.2
0.0

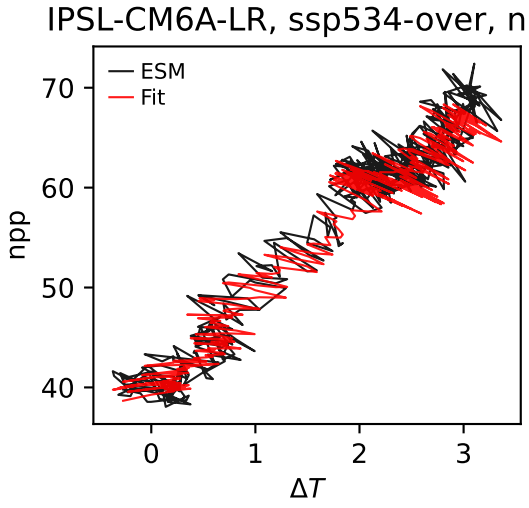

IPSL-CM6A-LR, ssp534-over, sres, ln(MSE/SIGMA)
781, 0.6539, 159.4329, -0.5997, -0.0124, 0.0053, 0.8655, 0.8797, 0
IPSL-CM6A-LR
sres_hyst
sres_c_half
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
0
250
500
750
1000
1250
1500
1750
2000
11.50
10.75
10.00
9.25
8.50
7.75
7.00
6.25
5.50
4.75

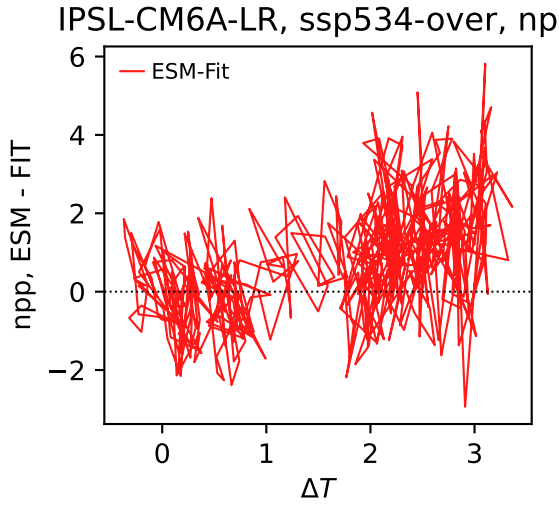

IPSL-CM6A-LR, ssp534-over, sres, ln(MSE/SIGMA)
781, 0.6539, 159.4329, -0.5997, -0.0124, 0.0053, 0.8655, 0.8797, 0
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
sres_fast
IPSL-CM6A-LR
8.7
7.8
6.9
6.0
5.1
4.2
3.3
2.4
1.5
0.6
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
sres_c_tan

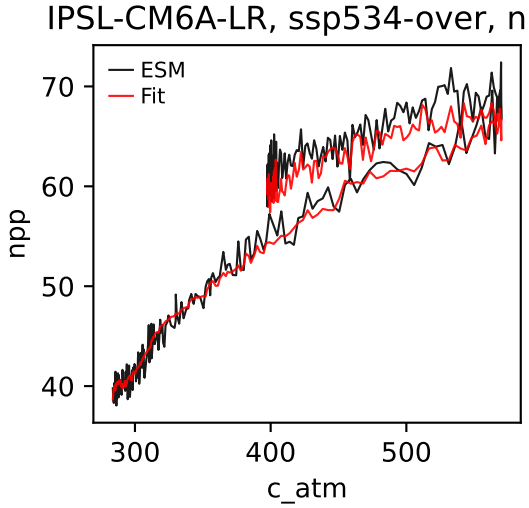

IPSL-CM6A-LR, ssp534-over, sres, ln(MSE/SIGMA)
781, 0.6539, 159.4329, -0.5997, -0.0124, 0.0053, 0.8655, 0.8797, 0
1e−1 3+5.372419471e−1
IPSL-CM6A-LR
sres_slow
sres_c_tan2
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
−0.04
−0.02
0.00
0.02
0.04
1.3600
1.2401
1.1202
1.0003
0.8804
0.7605
0.6406
0.5207
0.4008

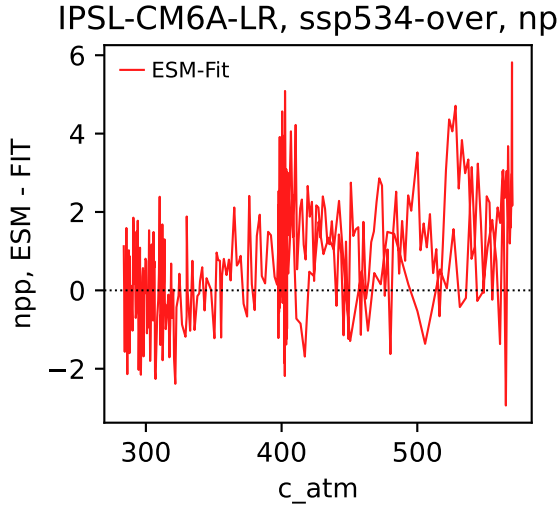

IPSL-CM6A-LR, ssp534-over, npp
ESM
Fit
npp
Year

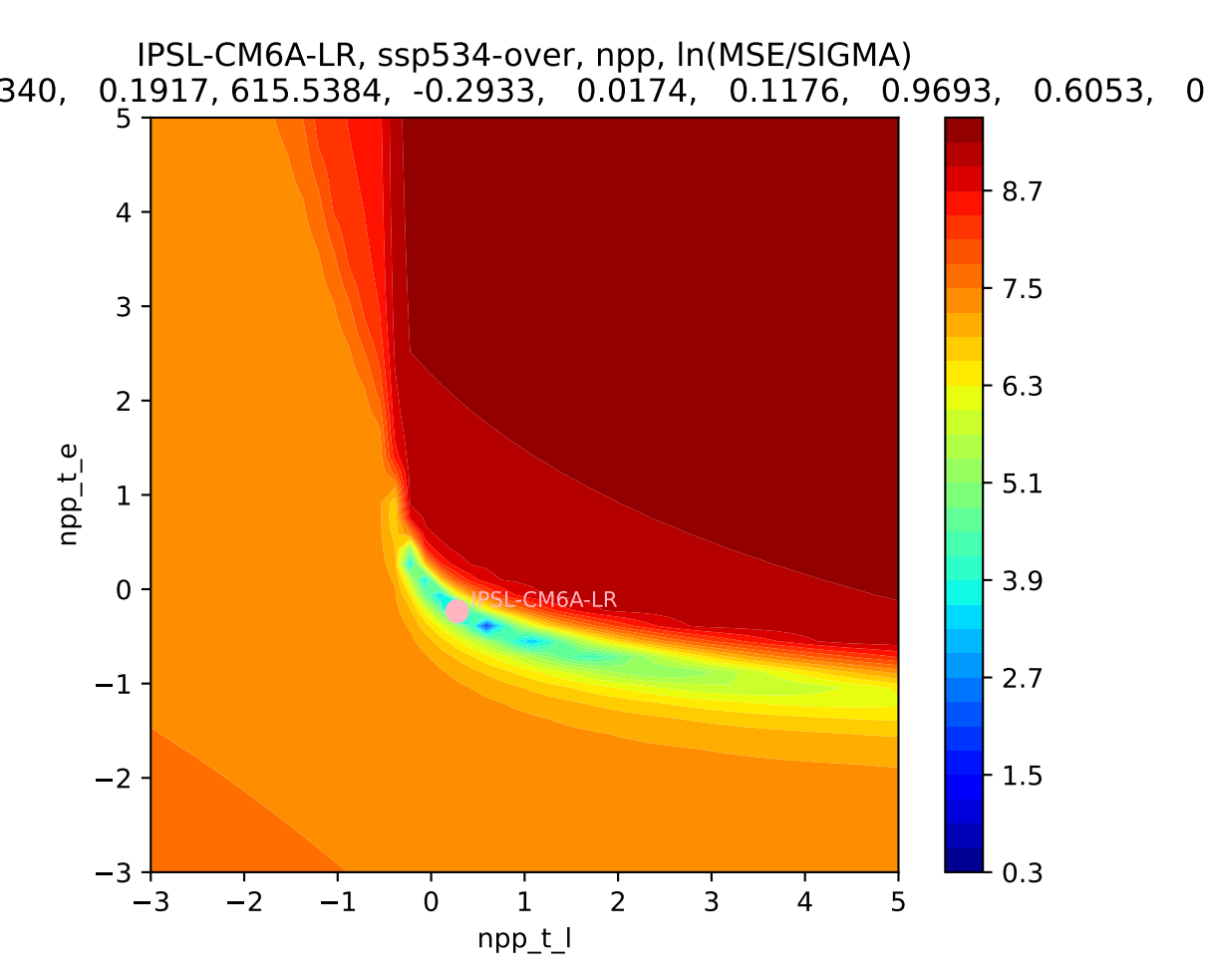

IPSL-CM6A-LR, ssp534-over, npp
ESM-Fit
npp, ESM - FIT
Year

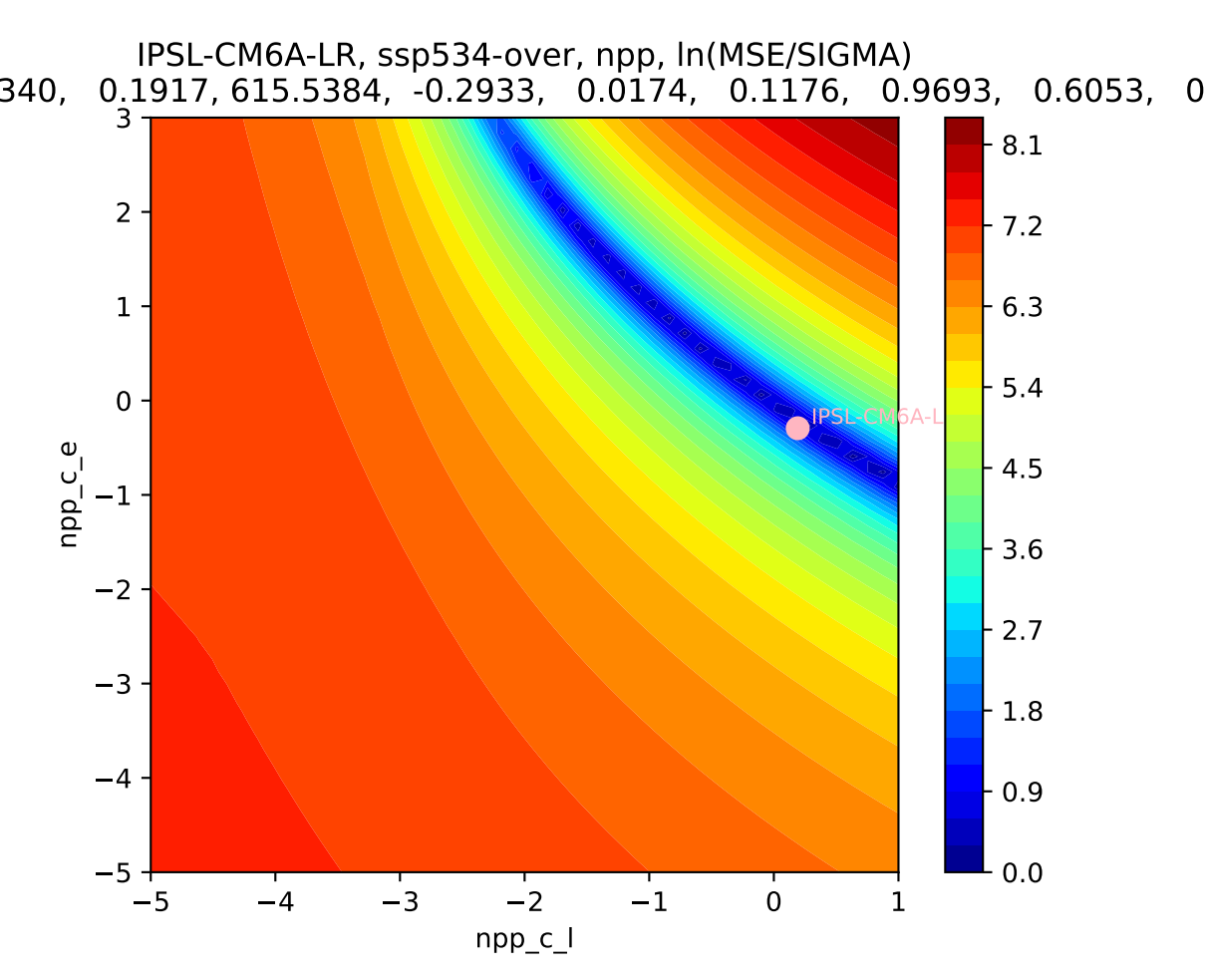

IPSL-CM6A-LR, ssp534-over, npp
ESM
Fit
npp
ΔT

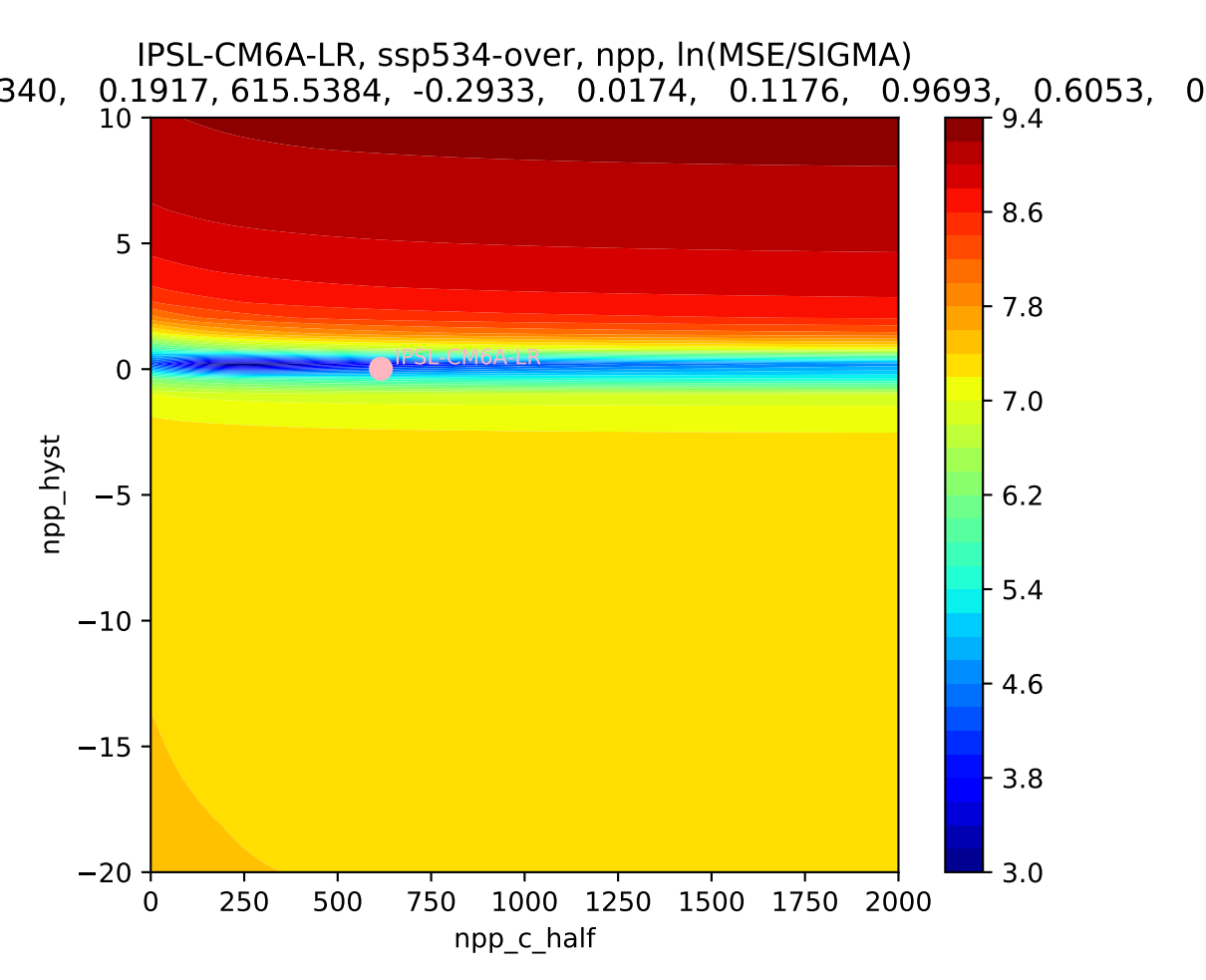

IPSL-CM6A-LR, ssp534-over, npp
ESM-Fit
npp, ESM - FIT
ΔT

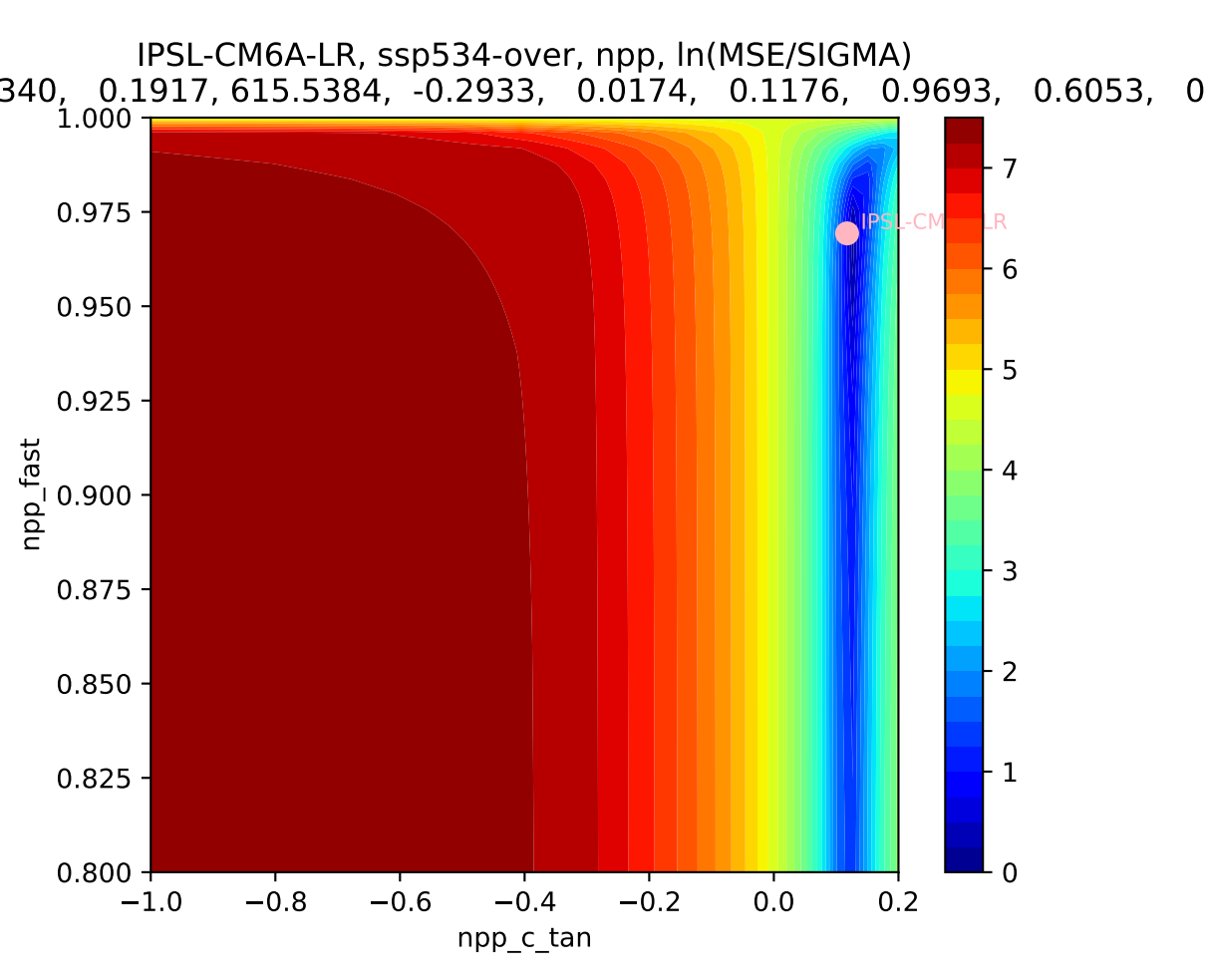

IPSL-CM6A-LR, ssp534-over, npp
ESM
Fit
npp
c_atm

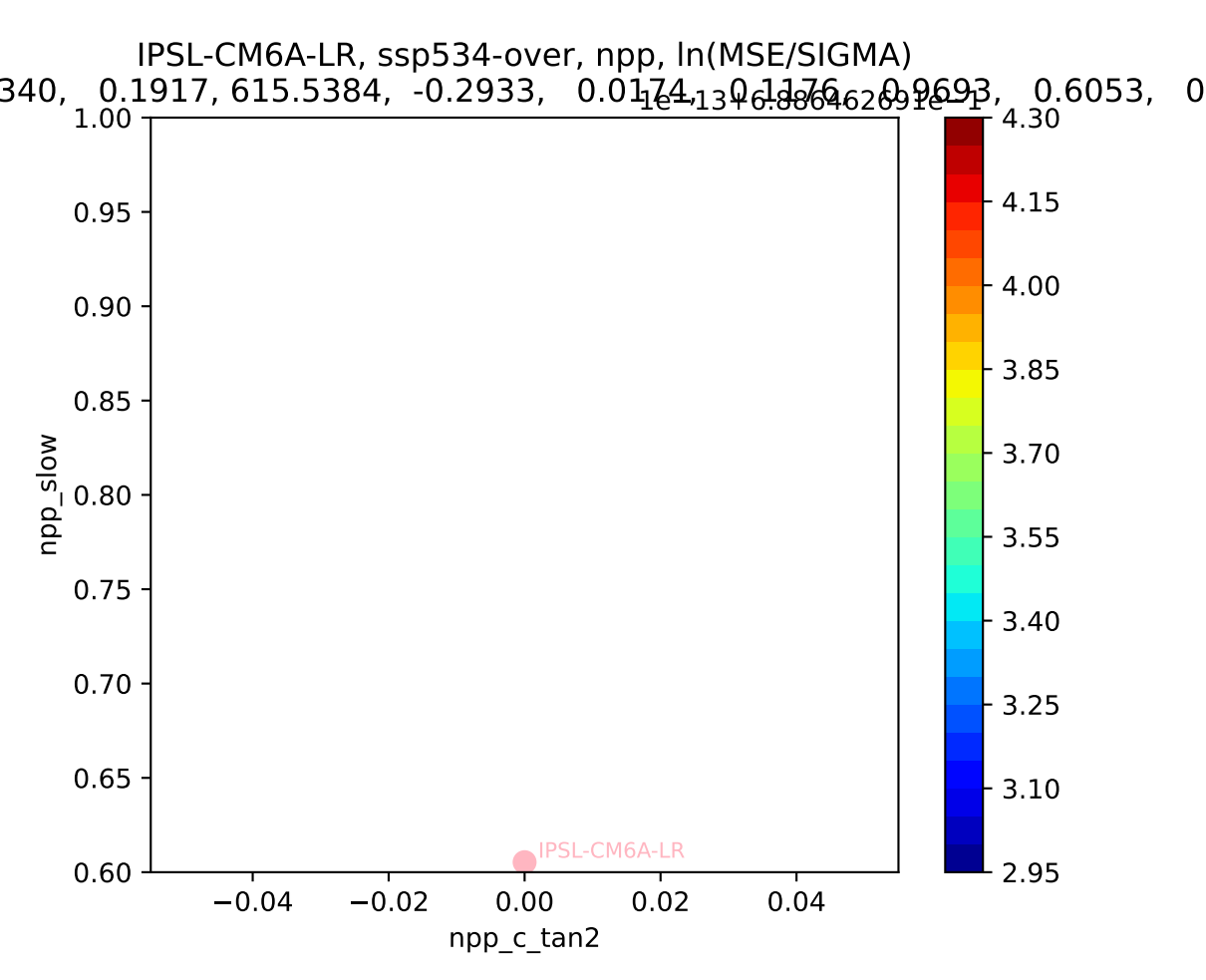

IPSL-CM6A-LR, ssp534-over, npp
ESM-Fit
npp, ESM - FIT
c_atm

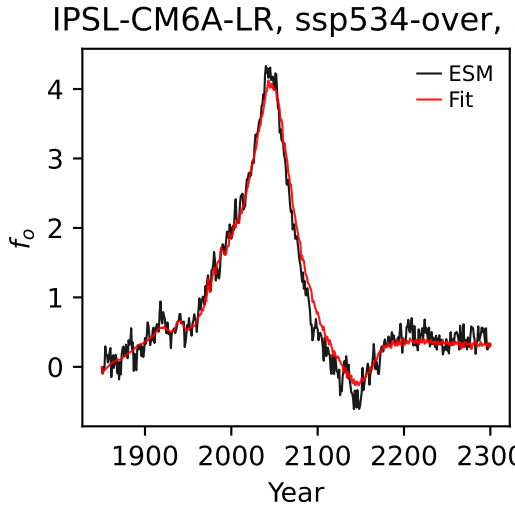

IPSL-CM6A-LR, ssp534-over, npp, ln(MSE/SIGMA)
340, 0.1917, 615.5384, -0.2933, 0.0174, 0.1176, 0.9693, 0.6053, 0
IPSL-CM6A-LR
npp_t_e
npp_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
8.7
7.5
6.3
5.1
3.9
2.7
1.5
0.3

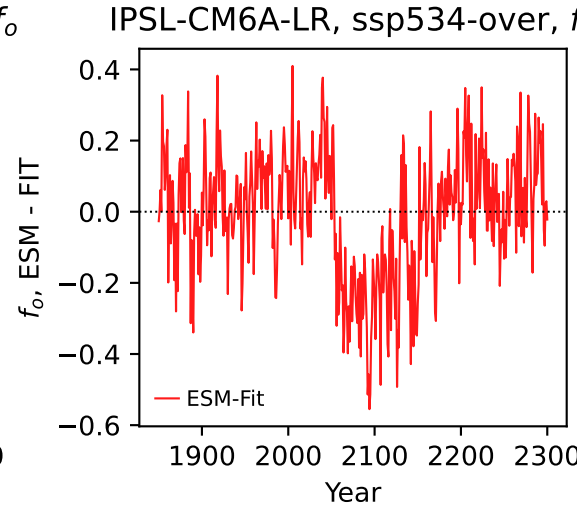

IPSL-CM6A-LR, ssp534-over, npp, ln(MSE/SIGMA)
340, 0.1917, 615.5384, -0.2933, 0.0174, 0.1176, 0.9693, 0.6053, 0
IPSL-CM6A-L
npp_c_e
npp_c_l
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
8.1
7.2
6.3
5.4
4.5
3.6
2.7
1.8
0.9
0.0

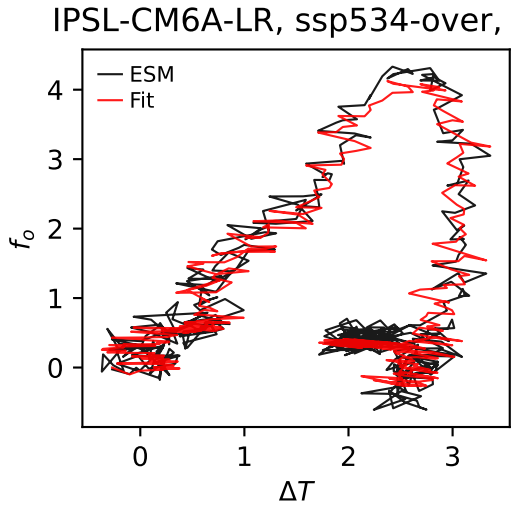

IPSL-CM6A-LR, ssp534-over, npp, ln(MSE/SIGMA)
340, 0.1917, 615.5384, -0.2933, 0.0174, 0.1176, 0.9693, 0.6053, 0
IPSL-CM6A-LR
npp_hyst
npp_c_half
10
5
0
−5
−10
−15
−20
0
250
500
750
1000
1250
1500
1750
2000
9.4
8.6
7.8
7.0
6.2
5.4
4.6
3.8
3.0

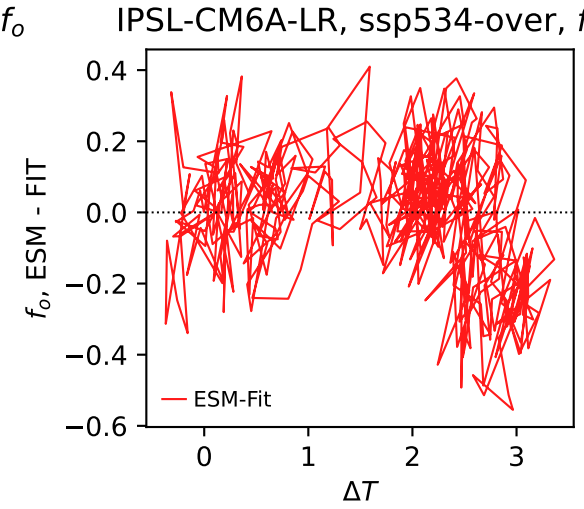

IPSL-CM6A-LR, ssp534-over, npp, ln(MSE/SIGMA)
340, 0.1917, 615.5384, -0.2933, 0.0174, 0.1176, 0.9693, 0.6053, 0
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
npp_fast
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
npp_c_tan
7
6
5
4
3
2
1
0

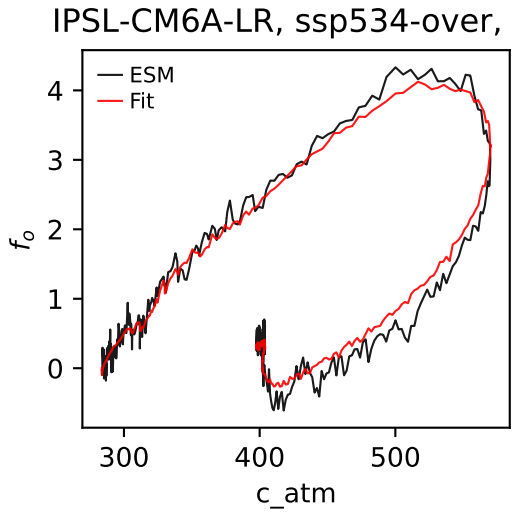

IPSL-CM6A-LR, ssp534-over, npp, ln(MSE/SIGMA)
340, 0.1917, 615.5384, -0.2933, 0.0174, 0.1176, 0.9693, 0.6053, 0
1e−13+6.886462691e−1
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60
npp_slow
−0.04
−0.02
0.00
0.02
0.04
npp_c_tan2
IPSL-CM6A-LR
4.30
4.15
4.00
3.85
3.70
3.55
3.40
3.25
3.10
2.95

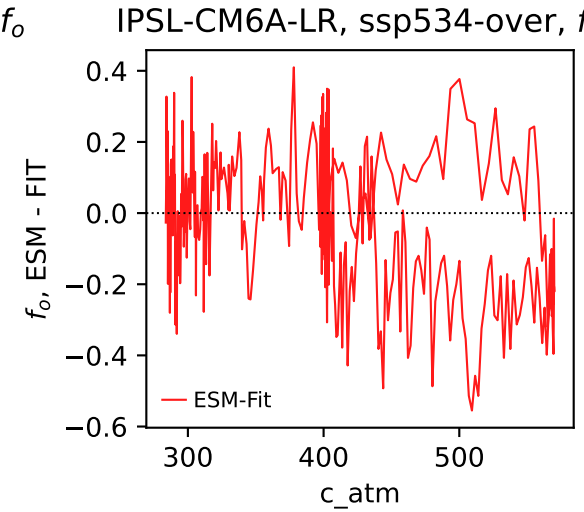

IPSL-CM6A-LR, ssp534-over, f_o
ESM
Fit
f_o
Year

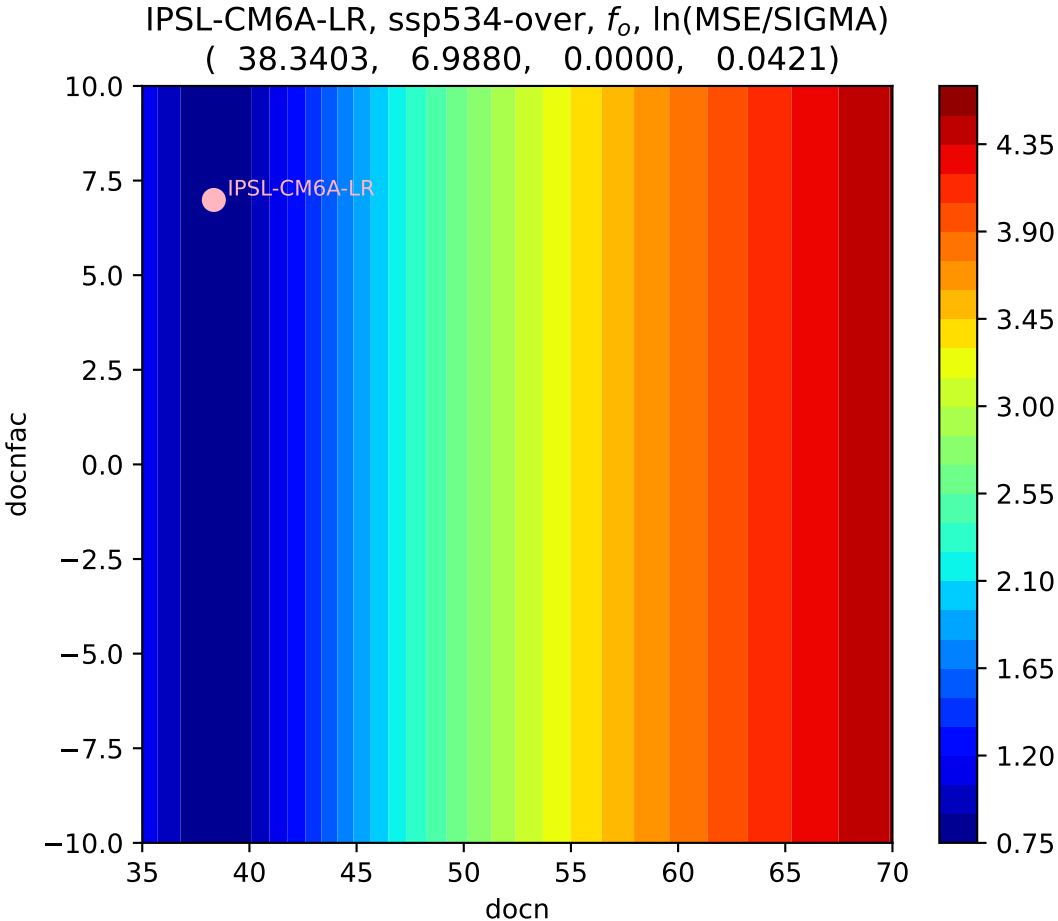

IPSL-CM6A-LR, ssp534-over, f_o
f_o, ESM - FIT
ESM-Fit
Year

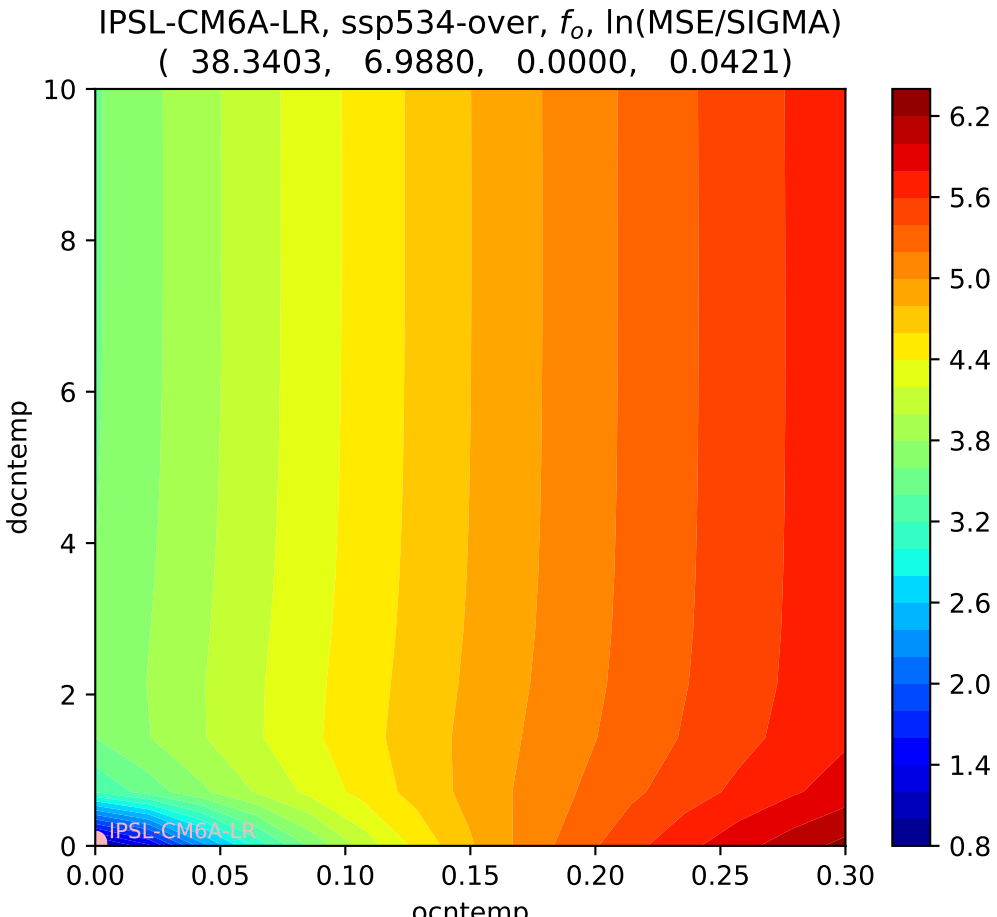

IPSL-CM6A-LR, ssp534-over, f_o
ESM
Fit
f_o
ΔT


IPSL-CM6A-LR, ssp534-over, f_o
f_o, ESM - FIT
ESM-Fit
ΔT


IPSL-CM6A-LR, ssp534-over, f_o
ESM
Fit
f_o
c_atm


IPSL-CM6A-LR, ssp534-over, f_o
f_o, ESM - FIT
ESM-Fit
c_atm


IPSL-CM6A-LR, ssp534-over, f_o, ln(MSE/SIGMA)
(38.3403, 6.9880, 0.0000, 0.0421)
IPSL-CM6A-LR
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
docnfac
35
40
45
50
55
60
65
70
docn
4.35
3.90
3.45
3.00
2.55
2.10
1.65
1.20
0.75


IPSL-CM6A-LR, ssp534-over, f_o, ln(MSE/SIGMA)
(38.3403, 6.9880, 0.0000, 0.0421)
docntemp
ocntemp
IPSL-CM6A-LR
0
2
4
6
8
10
0.00
0.05
0.10
0.15
0.20
0.25
0.30
6.2
5.6
5.0
4.4
3.8
3.2
2.6
2.0
1.4
0.8