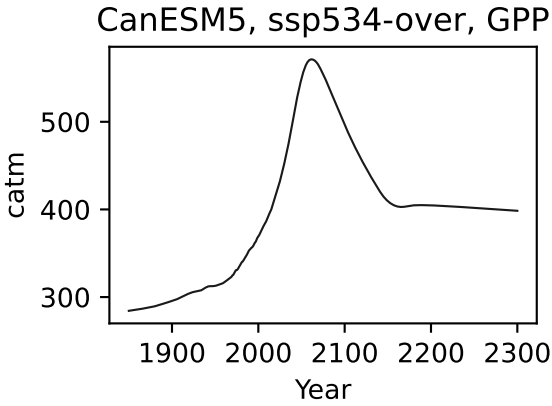
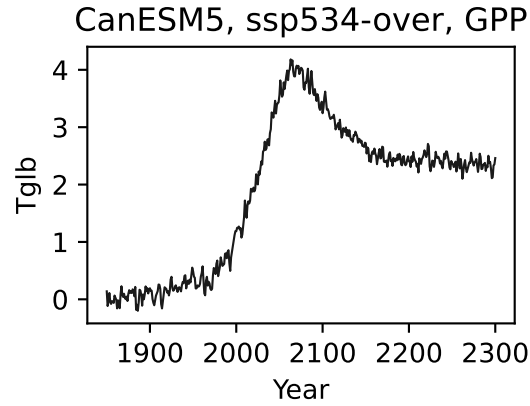

CanESM5, ssp534-over, GPP
catm
500
400
300
1900
2000
2100
2200
2300
Year


CanESM5, ssp534-over, GPP
Tglb
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2
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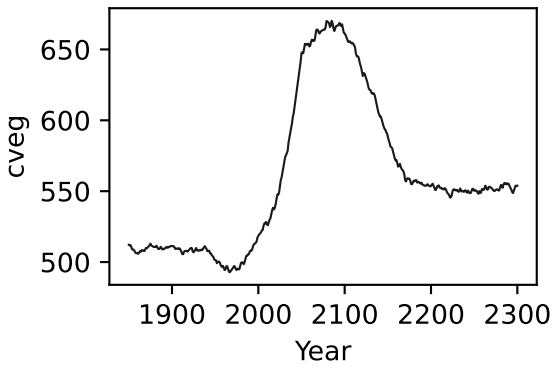
1900
2000
2100
2200
2300
Year


cveg
650
600
550
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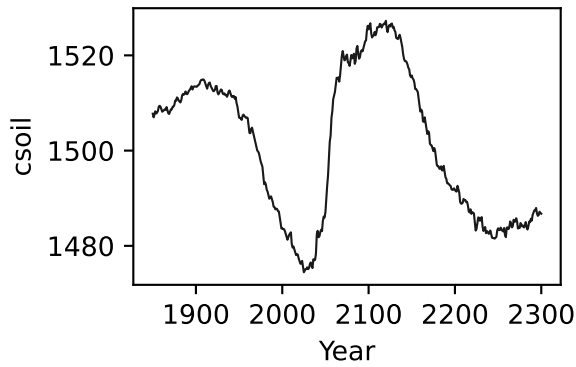
1900
2000
2100
2200
2300
Year


csoil
1520
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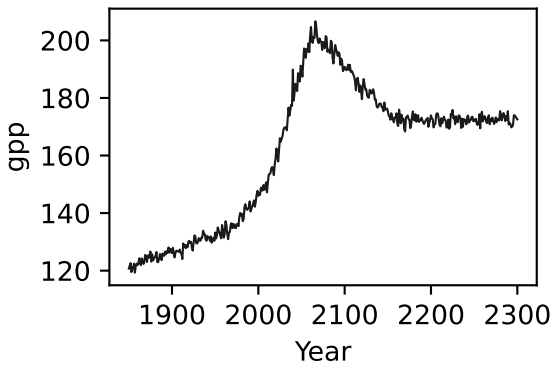
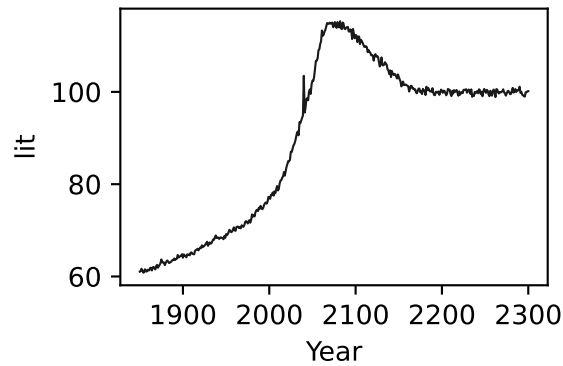
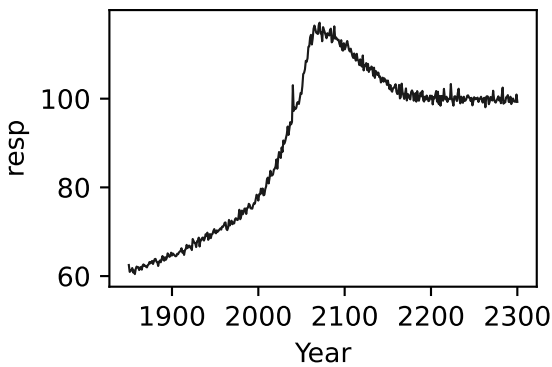
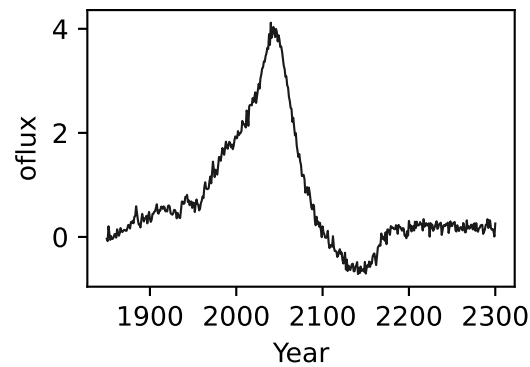
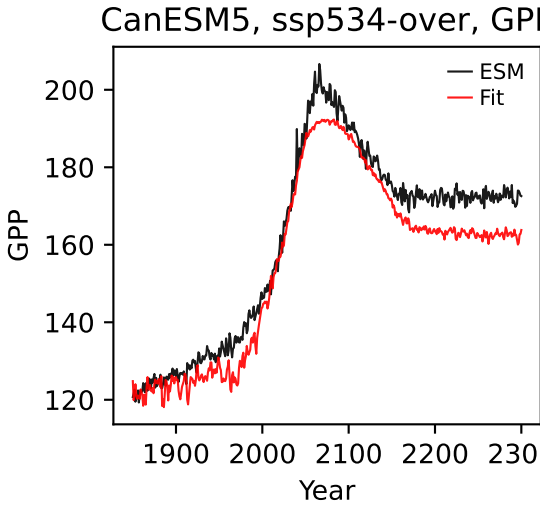
1480
1900
2000
2100
2200
2300
Year

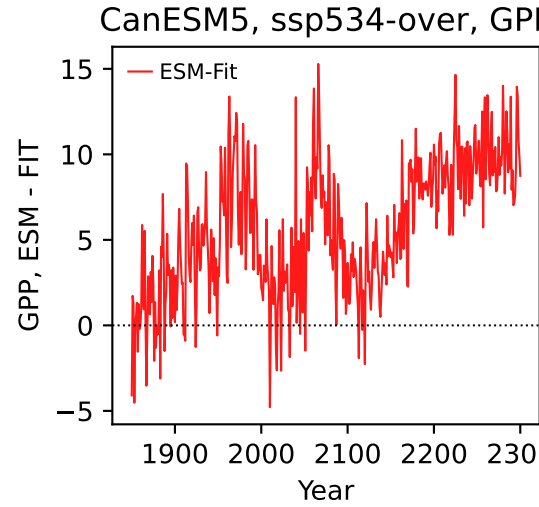

gpp
200
180
160
140
120
1900
2000
2100
2200
2300
Year

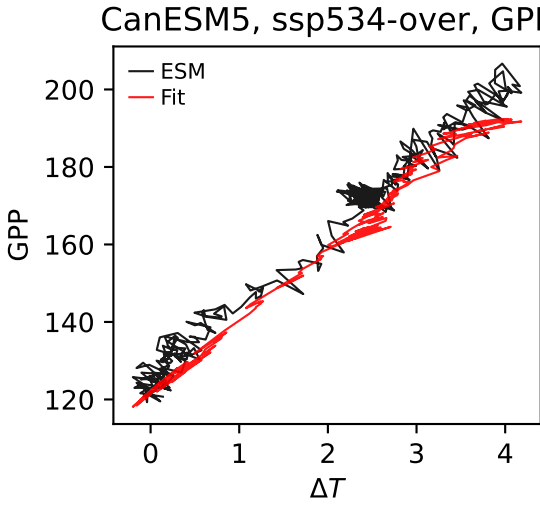

lit
100
80
60
1900
2000
2100
2200
2300
Year

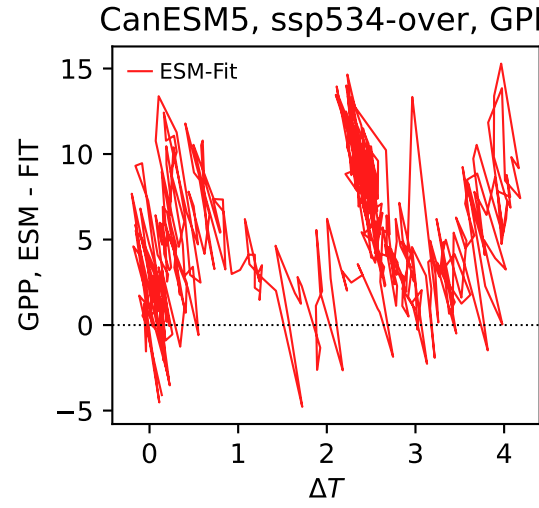

resp
100
80
60
1900
2000
2100
2200
2300
Year

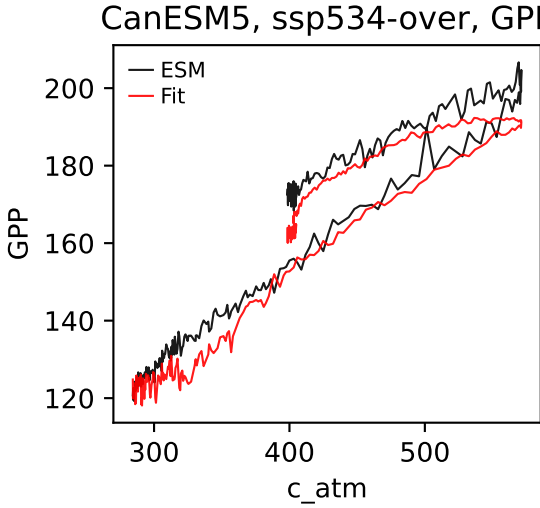

oflux
4
2
0
1900
2000
2100
2200
2300
Year

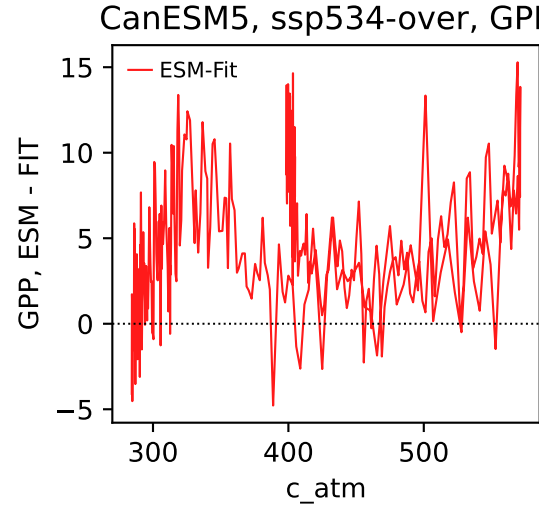

CanESM5, ssp534-over, GPP
ESM
Fit
GPP
Year

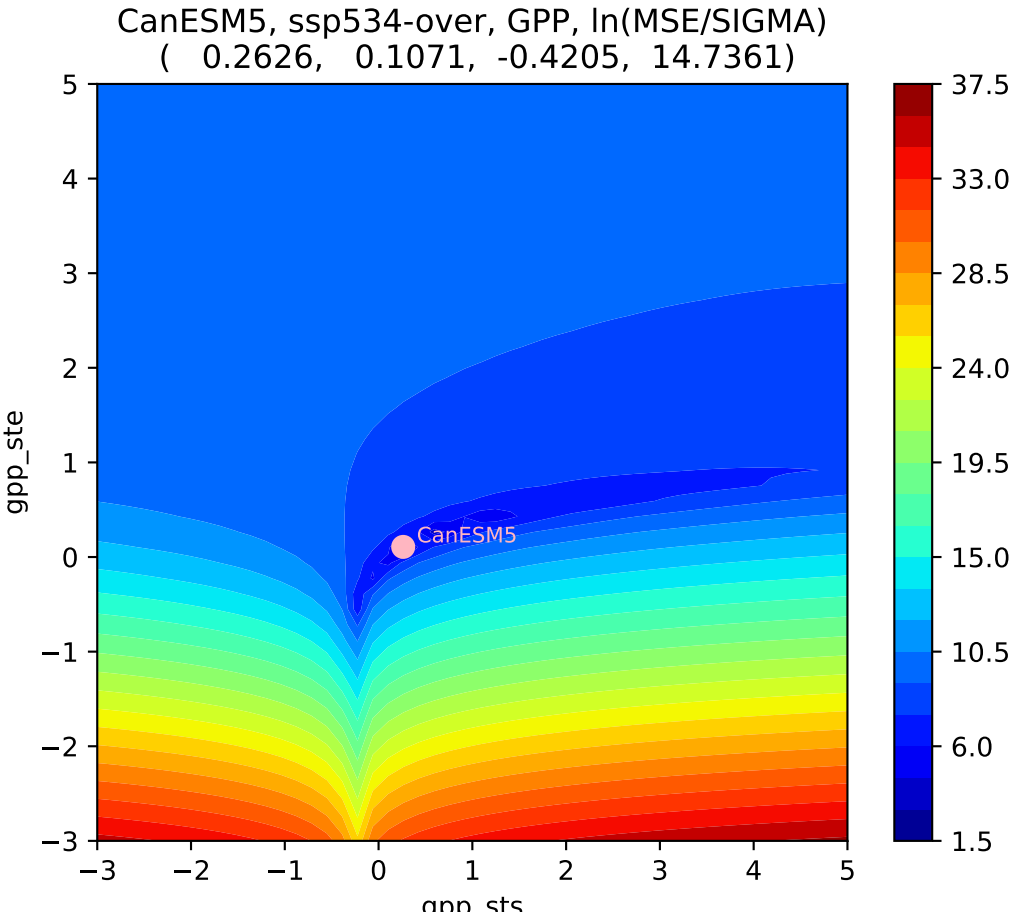

CanESM5, ssp534-over, GPP
ESM-Fit
GPP, ESM - FIT
Year

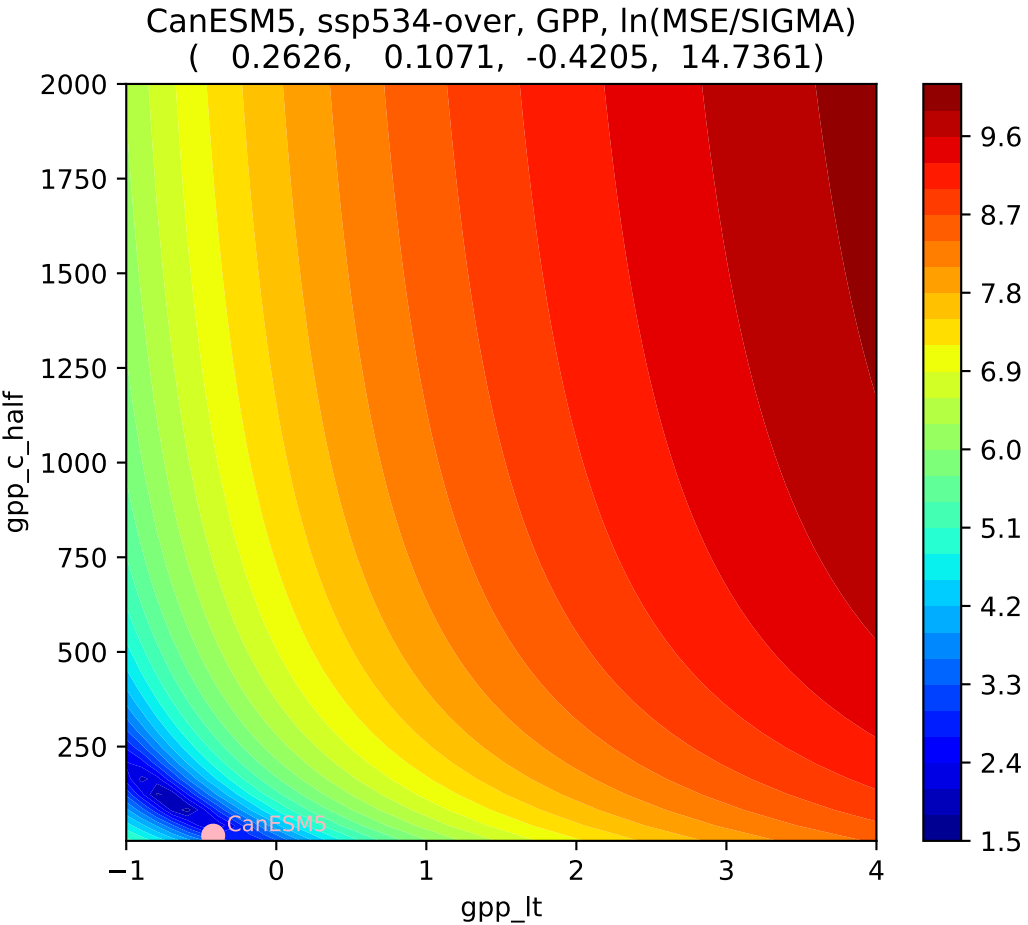

CanESM5, ssp534-over, GPP
ESM
Fit
GPP
ΔT

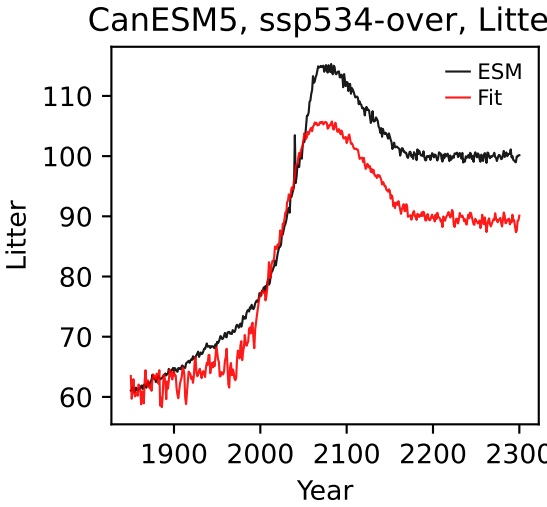

CanESM5, ssp534-over, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

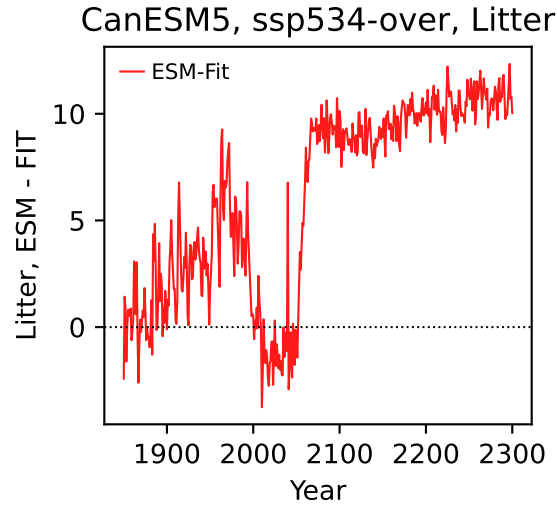

CanESM5, ssp534-over, GPP
ESM
Fit
GPP
c_atm

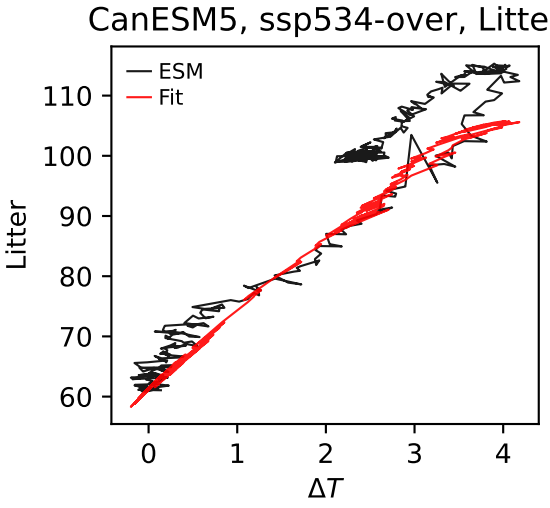

CanESM5, ssp534-over, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

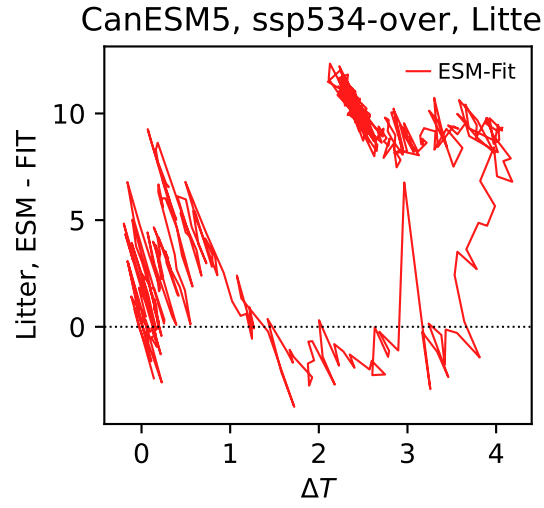

CanESM5, ssp534-over, GPP, ln(MSE/SIGMA)
(0.2626, 0.1071, -0.4205, 14.7361)
gpp_ste
gpp_sts
CanESM5
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
37.5
33.0
28.5
24.0
19.5
15.0
10.5
6.0
1.5

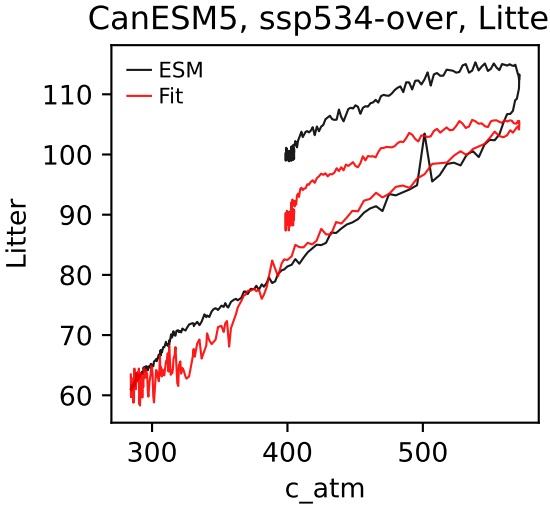

CanESM5, ssp534-over, GPP, ln(MSE/SIGMA)
(0.2626, 0.1071, -0.4205, 14.7361)
gpp_c_half
gpp_lt
CanESM5
2000
1750
1500
1250
1000
750
500
250
−1
0
1
2
3
4
9.6
8.7
7.8
6.9
6.0
5.1
4.2
3.3
2.4
1.5

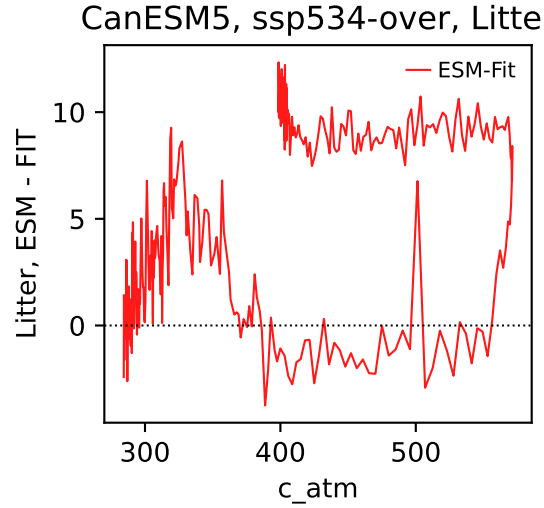

CanESM5, ssp534-over, Litter
ESM
Fit
Litter
Year

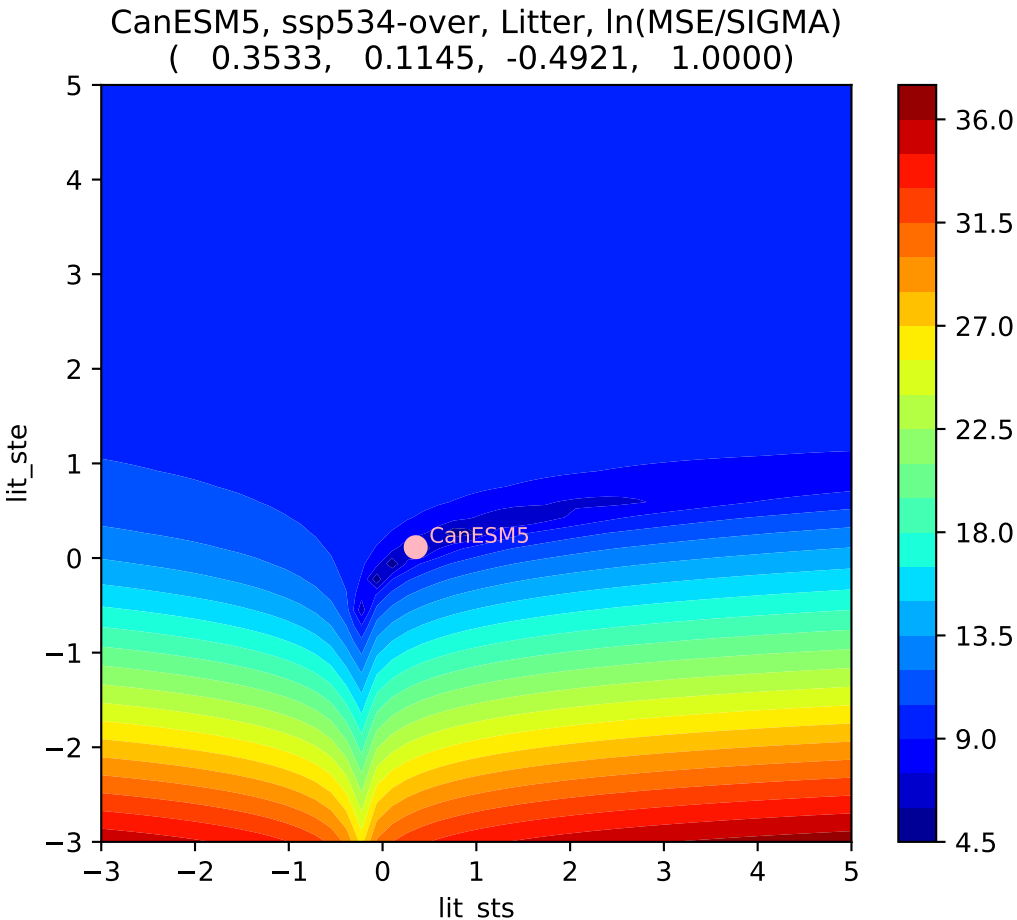

CanESM5, ssp534-over, Litter
ESM-Fit
Litter, ESM - FIT
Year

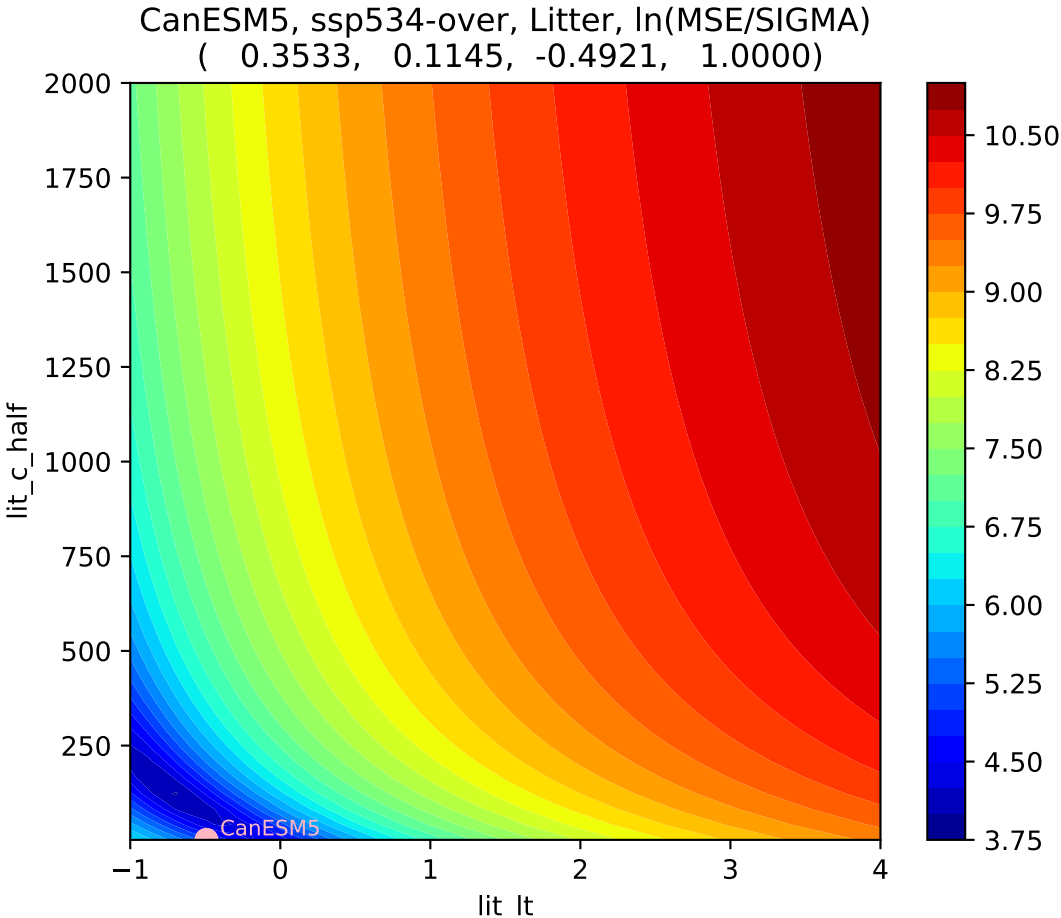

CanESM5, ssp534-over, Litter
ESM
Fit
Litter
ΔT

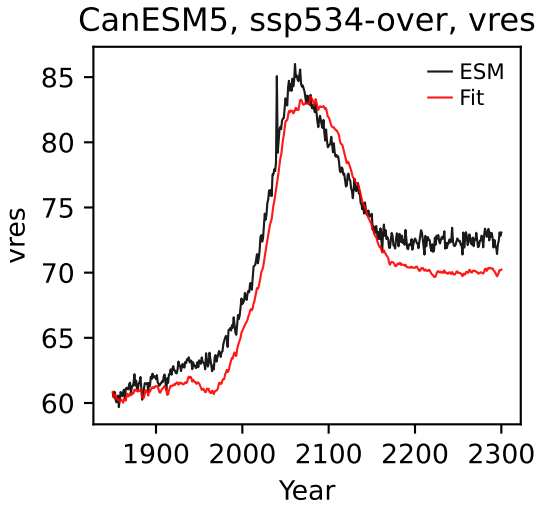

CanESM5, ssp534-over, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

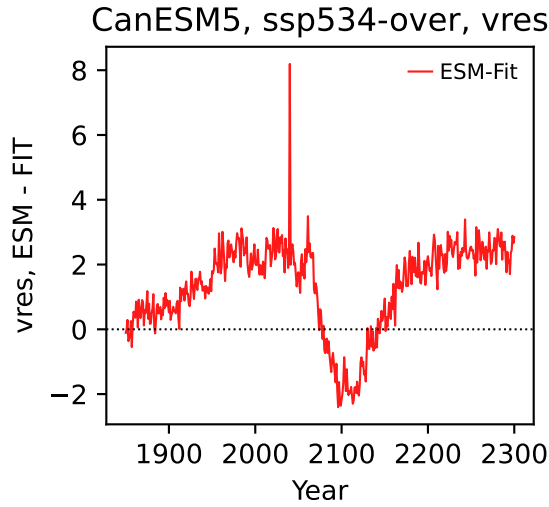

CanESM5, ssp534-over, Litter
ESM
Fit
Litter
c_atm

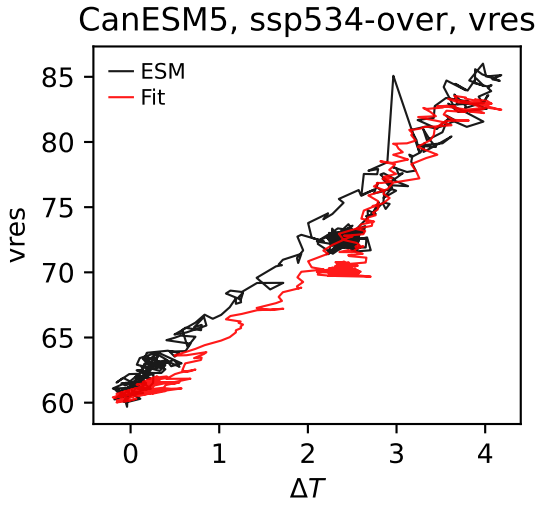

CanESM5, ssp534-over, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

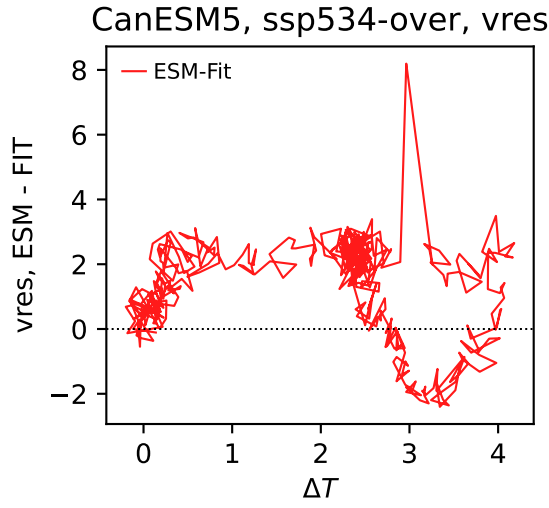

CanESM5, ssp534-over, Litter, ln(MSE/SIGMA)
(0.3533, 0.1145, -0.4921, 1.0000)
lit_ste
lit_sts
CanESM5
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
36.0
31.5
27.0
22.5
18.0
13.5
9.0
4.5

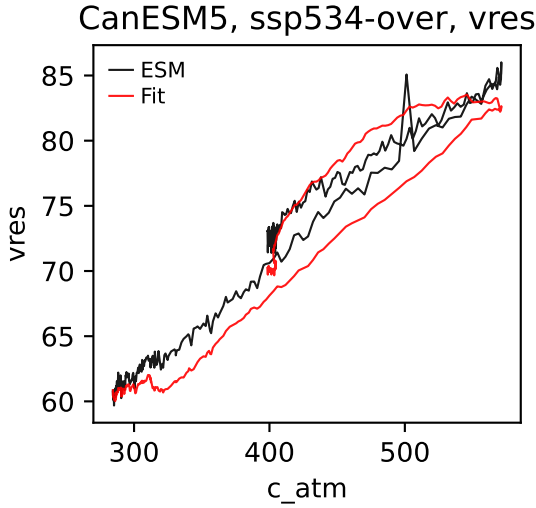

CanESM5, ssp534-over, Litter, ln(MSE/SIGMA)
(0.3533, 0.1145, -0.4921, 1.0000)
2000
1750
1500
1250
1000
750
500
250
lit_c_half
CanESM5
−1
0
1
2
3
4
lit_lt
10.50
9.75
9.00
8.25
7.50
6.75
6.00
5.25
4.50
3.75

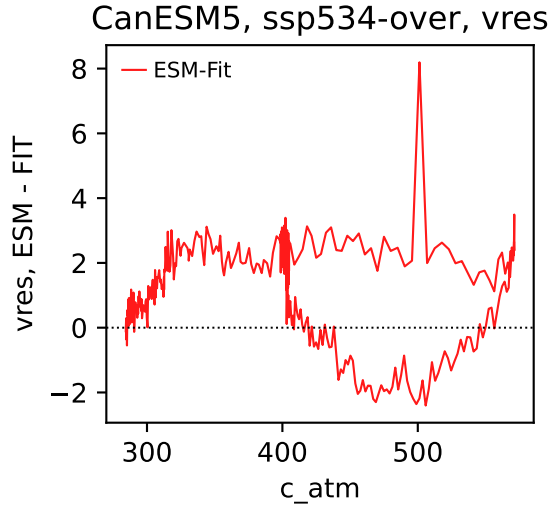

CanESM5, ssp534-over, vres
ESM
Fit
vres
Year

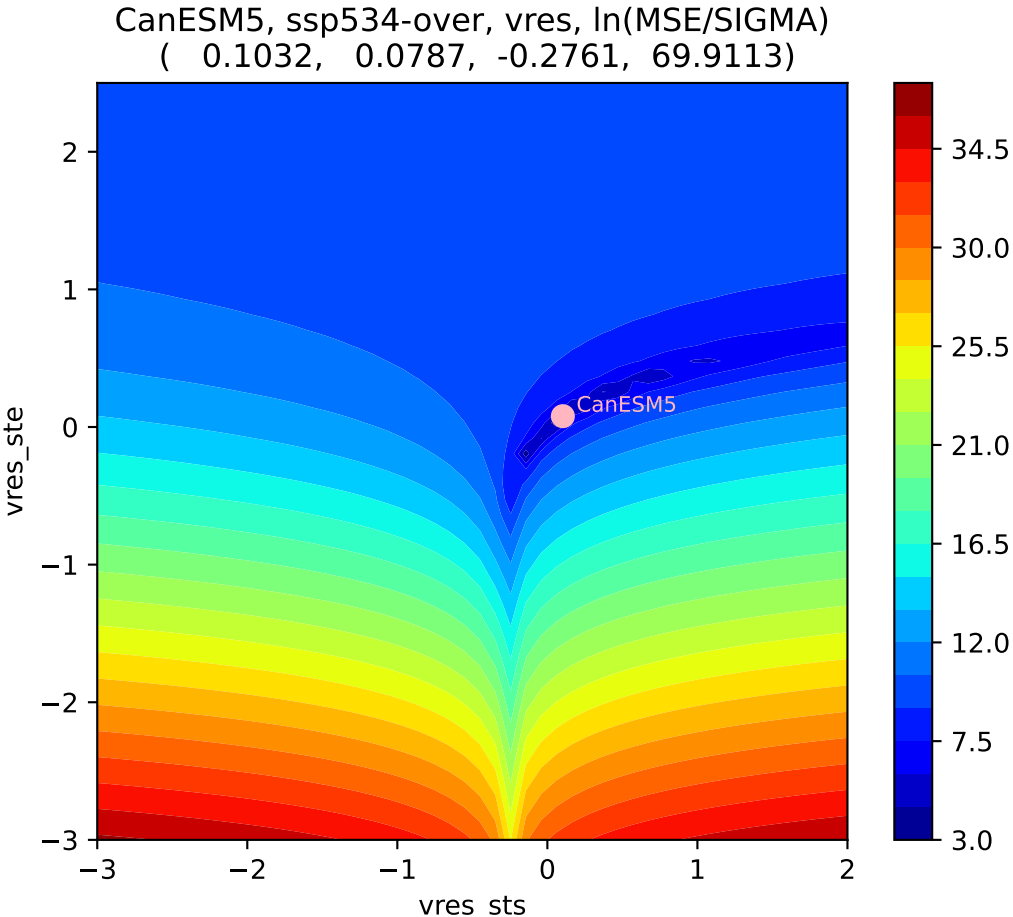

CanESM5, ssp534-over, vres
ESM-Fit
vres, ESM - FIT
Year

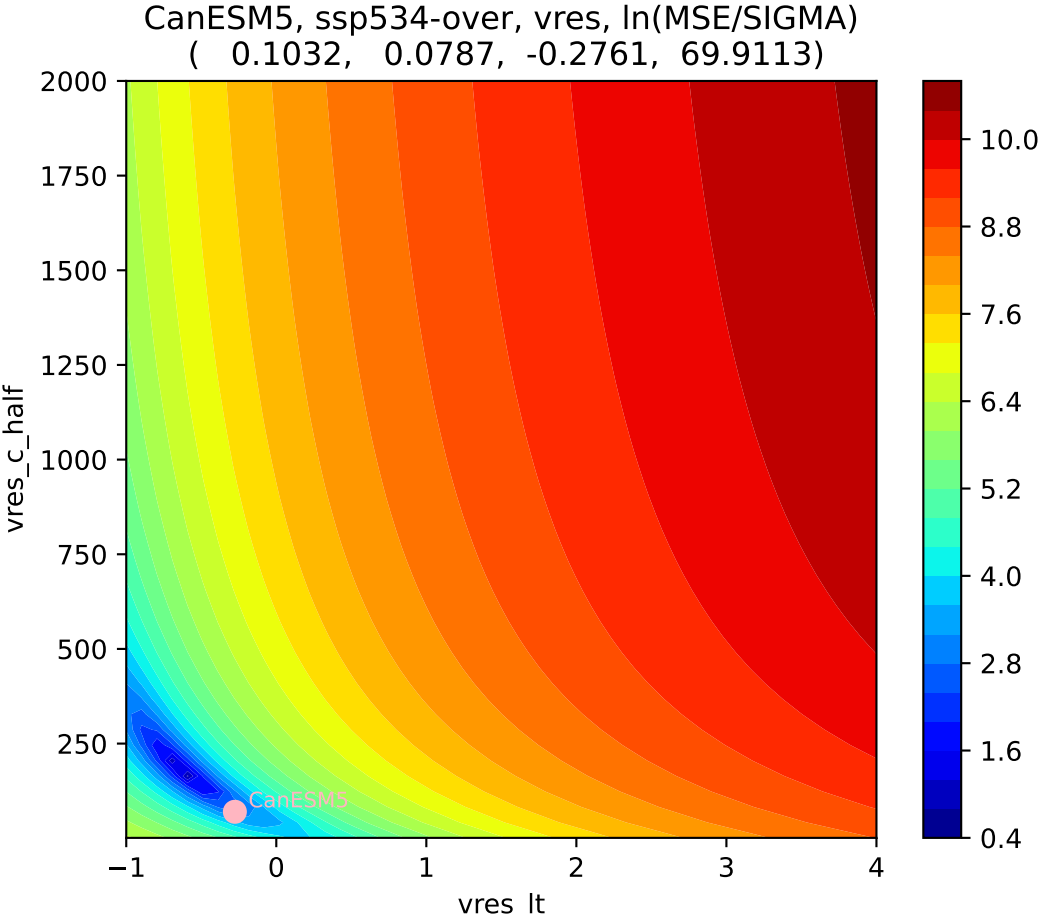

CanESM5, ssp534-over, vres
ESM
Fit
vres
ΔT

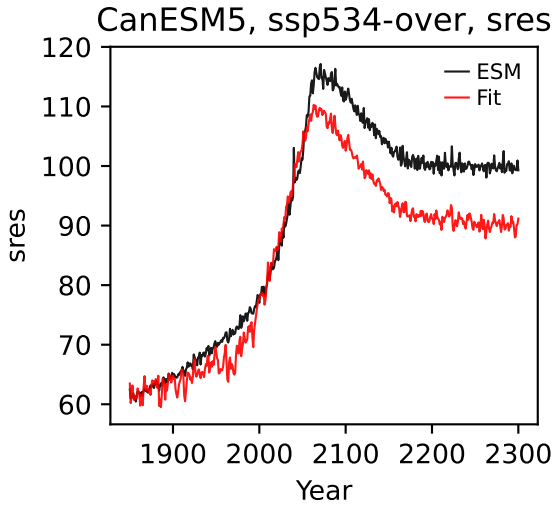

CanESM5, ssp534-over, vres
ESM-Fit
vres, ESM - FIT
ΔT

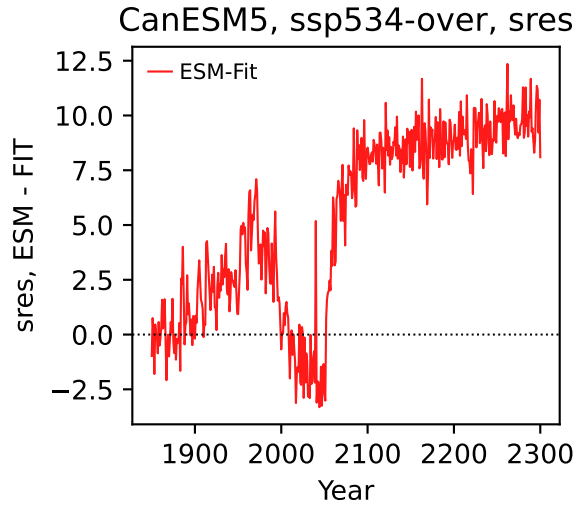

CanESM5, ssp534-over, vres
ESM
Fit
vres
c_atm

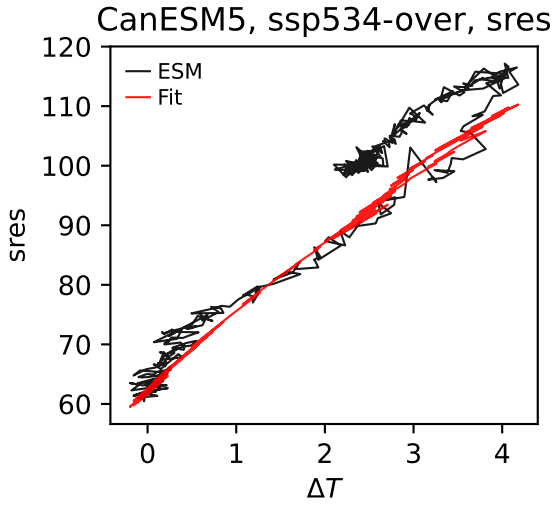

CanESM5, ssp534-over, vres
ESM-Fit
vres, ESM - FIT
c_atm

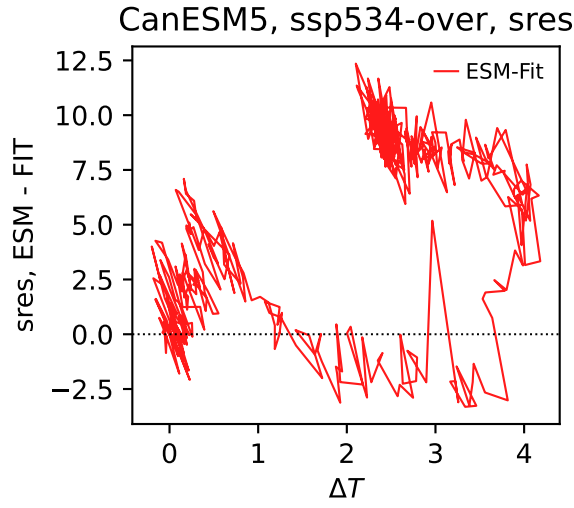

CanESM5, ssp534-over, vres, ln(MSE/SIGMA)
(0.1032, 0.0787, -0.2761, 69.9113)
CanESM5
vres_ste
vres_sts
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
34.5
30.0
25.5
21.0
16.5
12.0
7.5
3.0

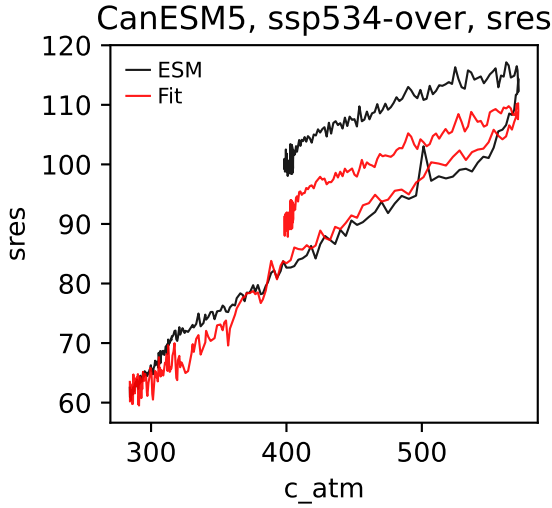

CanESM5, ssp534-over, vres, ln(MSE/SIGMA)
(0.1032, 0.0787, -0.2761, 69.9113)
2000
1750
1500
1250
1000
750
500
250
vres_c_half
CanESM5
−1
0
1
2
3
4
vres_lt
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
0.4

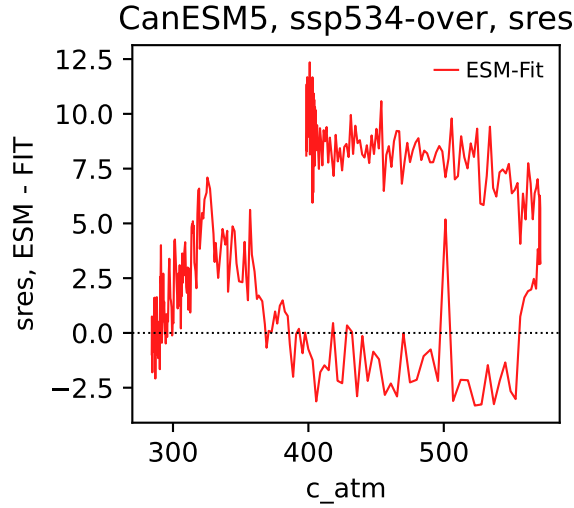

CanESM5, ssp534-over, sres
ESM
Fit
sres
Year

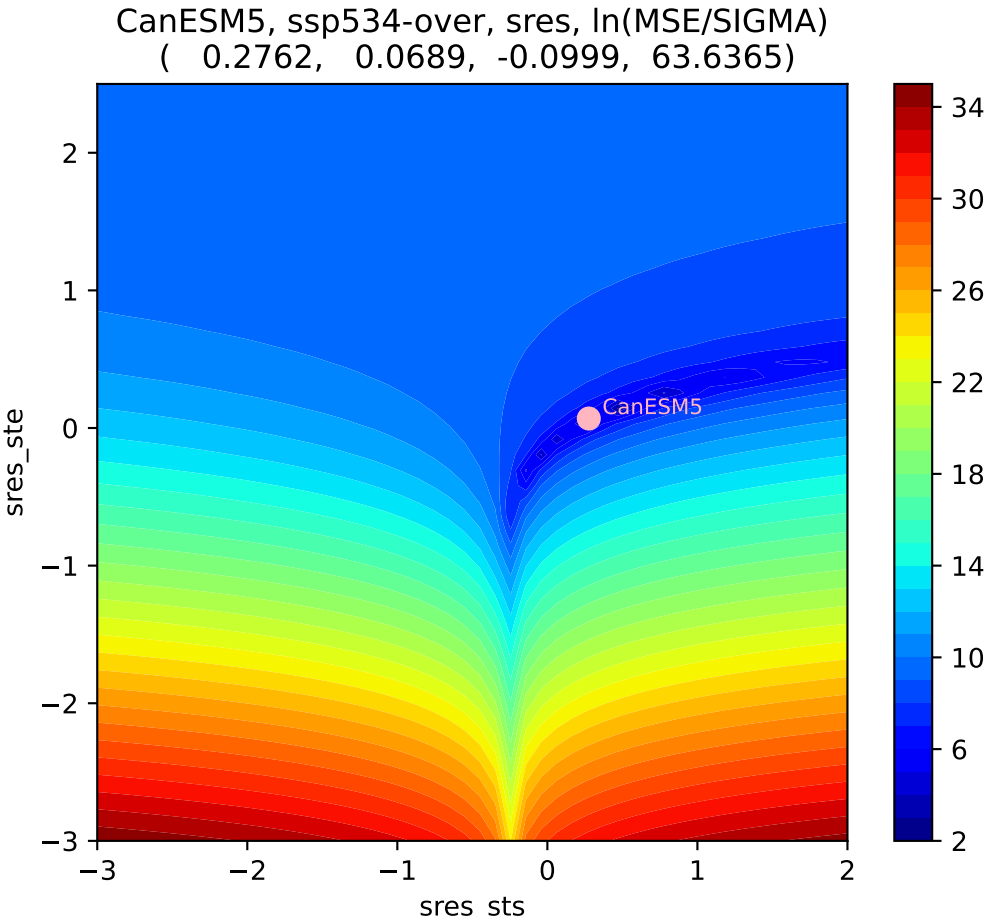

CanESM5, ssp534-over, sres
ESM-Fit
sres, ESM - FIT
Year

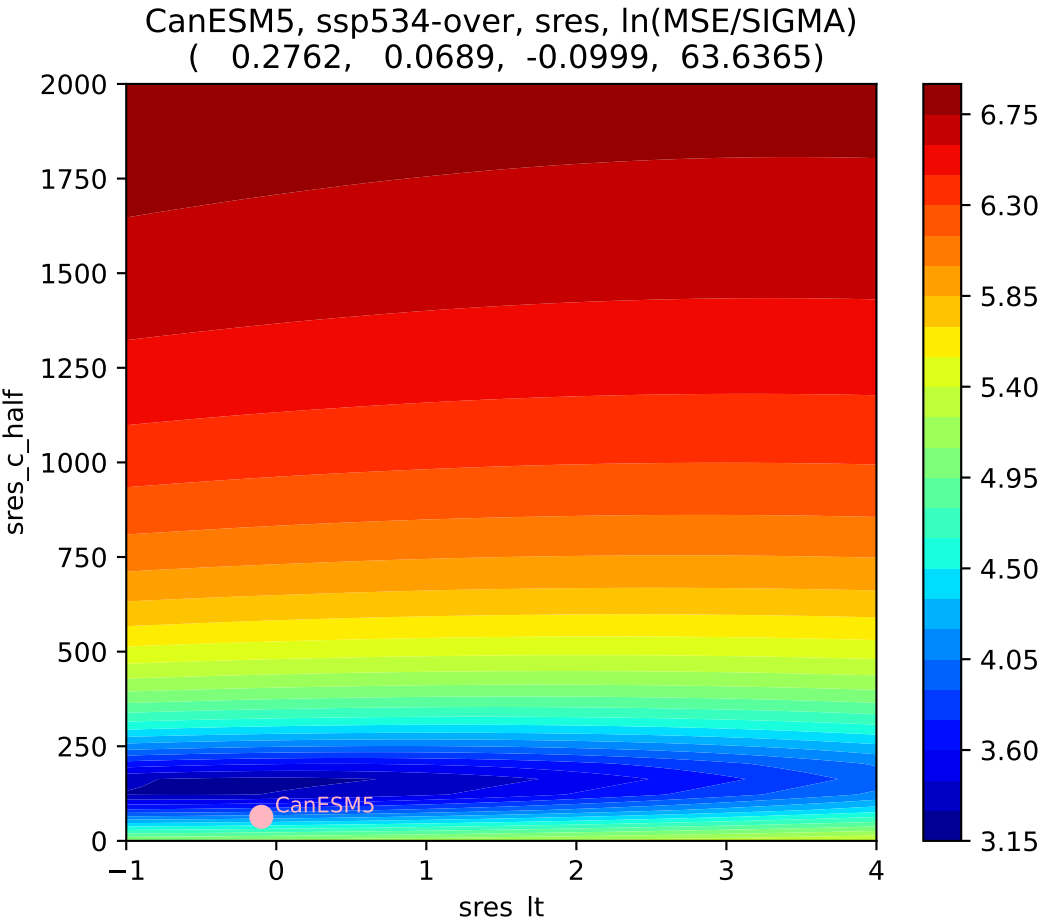

CanESM5, ssp534-over, sres
ESM
Fit
sres
ΔT

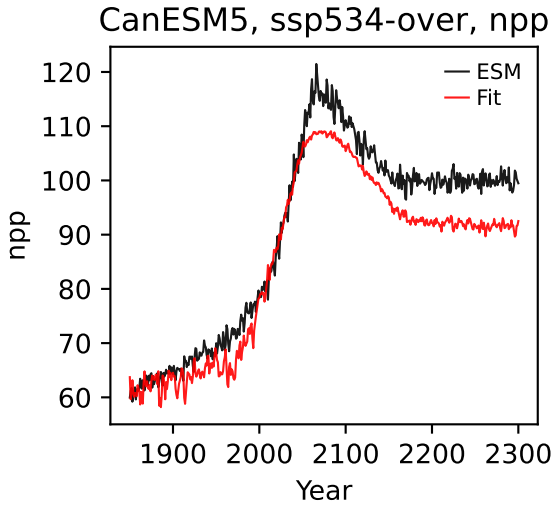

CanESM5, ssp534-over, sres
ESM-Fit
sres, ESM - FIT
ΔT

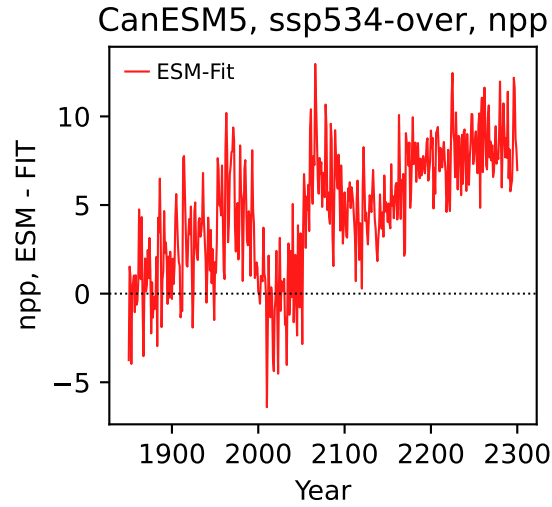

CanESM5, ssp534-over, sres
ESM
Fit
sres
c_atm

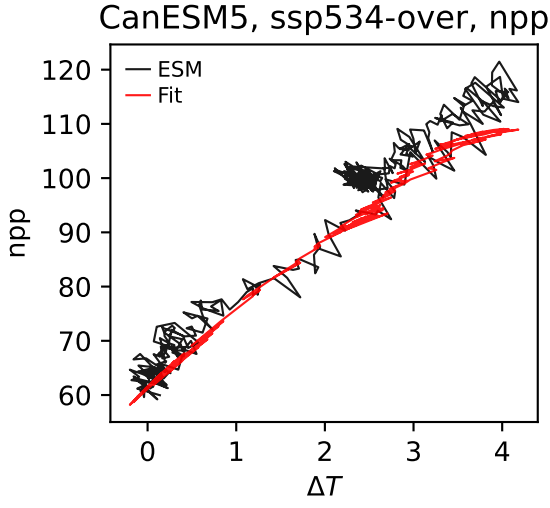

CanESM5, ssp534-over, sres
ESM-Fit
sres, ESM - FIT
c_atm

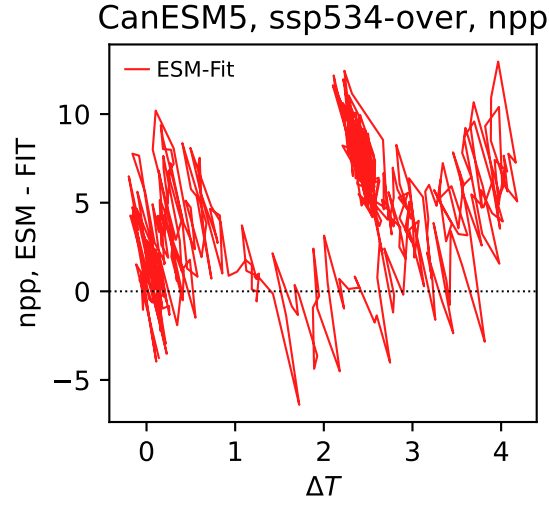

CanESM5, ssp534-over, sres, ln(MSE/SIGMA)
(0.2762, 0.0689, -0.0999, 63.6365)
CanESM5
sres_ste
sres_sts
2
1
0
−1
−2
−3
34
30
26
22
18
14
10
6
2

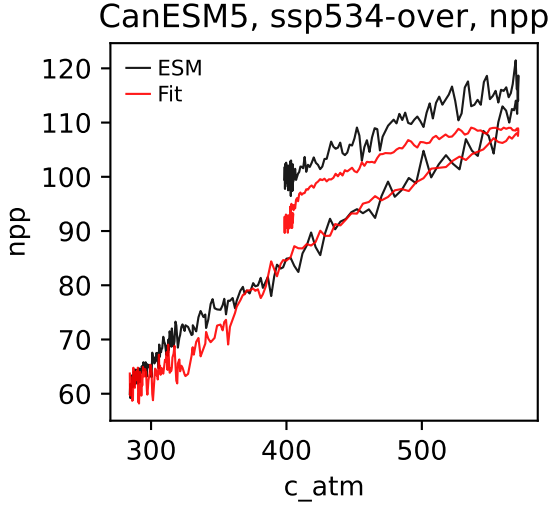

CanESM5, ssp534-over, sres, ln(MSE/SIGMA)
(0.2762, 0.0689, -0.0999, 63.6365)
2000
1750
1500
1250
1000
750
500
250
0
sres_c_half
−1
0
1
2
3
4
sres_lt
CanESM5
6.75
6.30
5.85
5.40
4.95
4.50
4.05
3.60
3.15

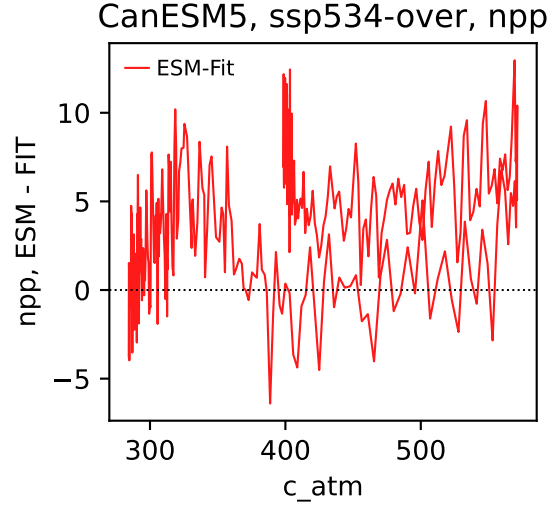

CanESM5, ssp534-over, npp
ESM
Fit
npp
Year

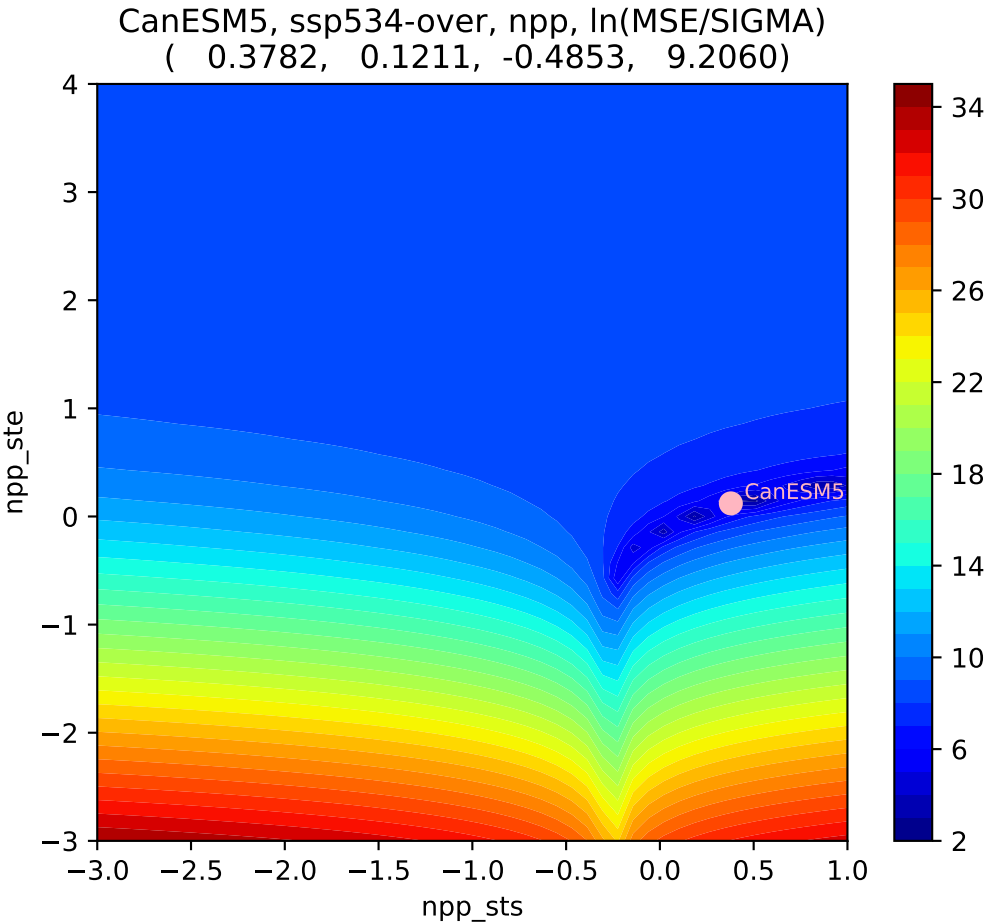

CanESM5, ssp534-over, npp
ESM-Fit
npp, ESM - FIT
Year

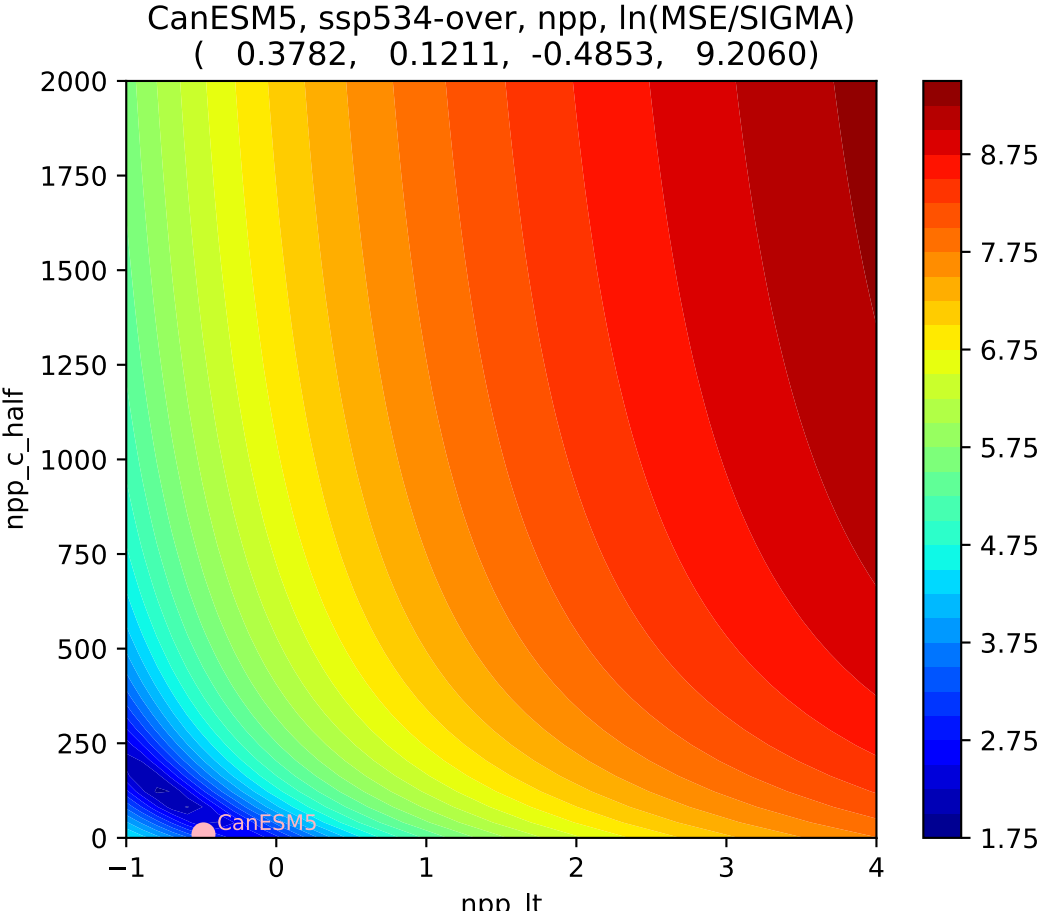

CanESM5, ssp534-over, npp
ESM
Fit
npp
ΔT

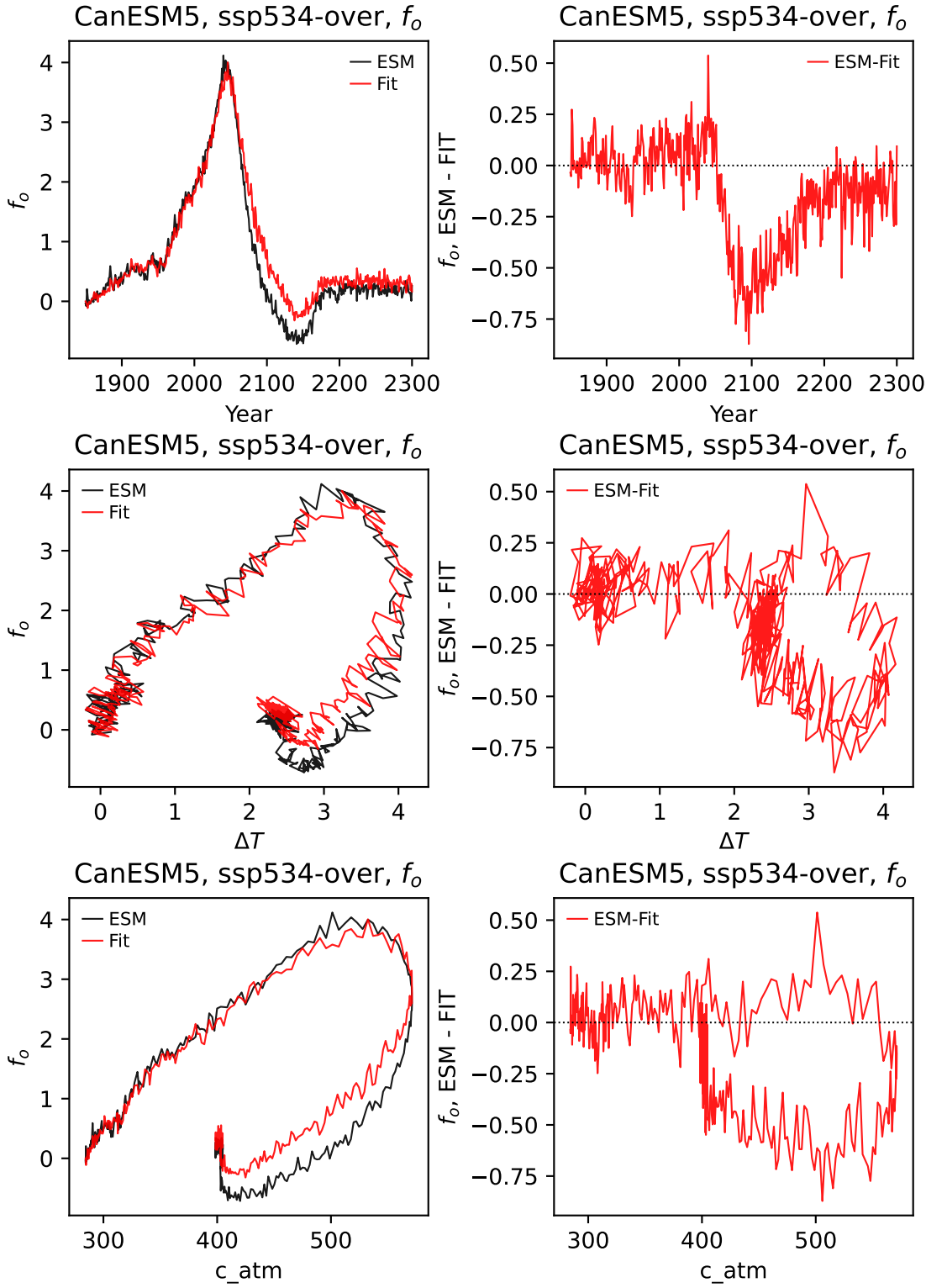

CanESM5, ssp534-over, npp
ESM-Fit
npp, ESM - FIT
ΔT

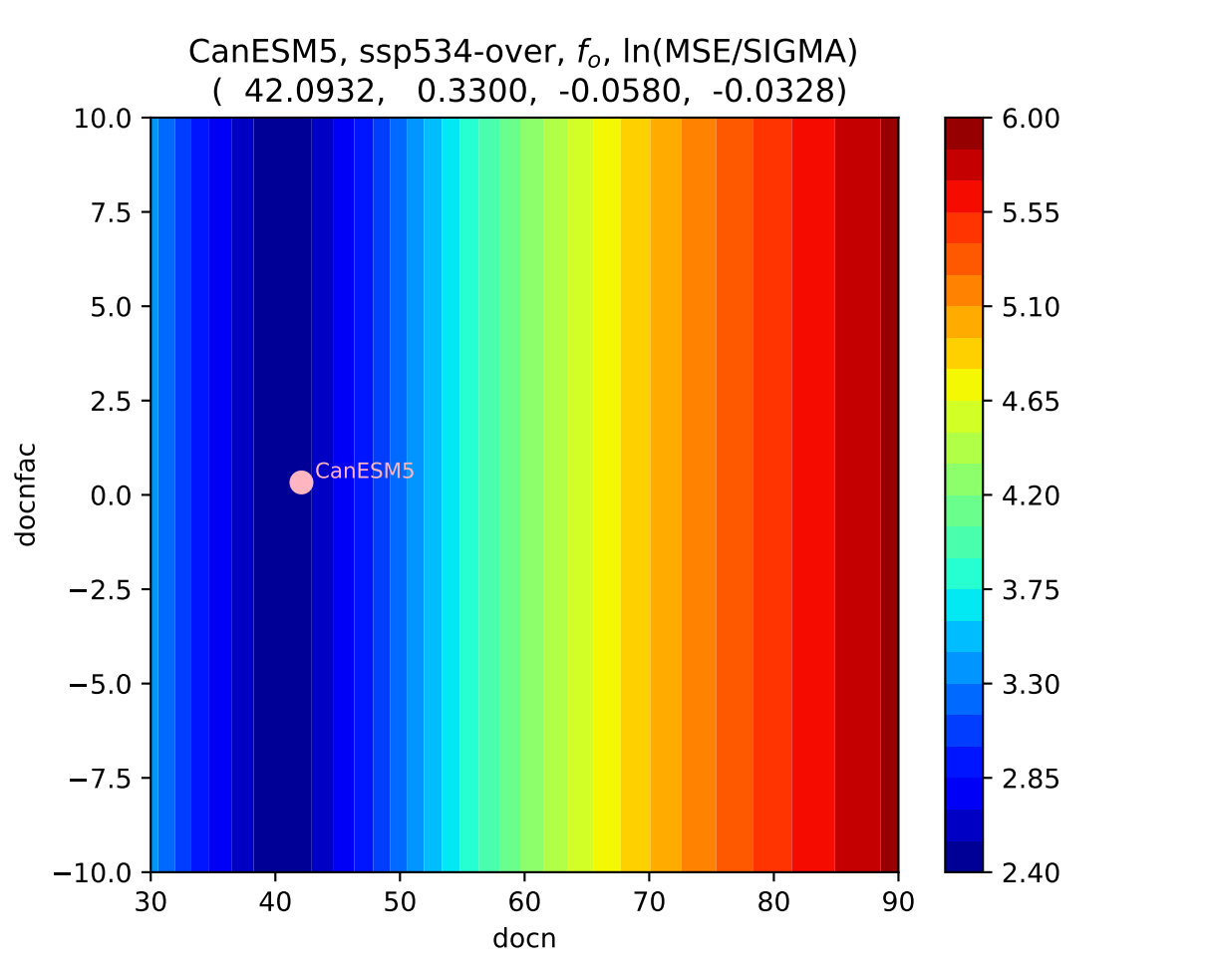

CanESM5, ssp534-over, npp
ESM
Fit
npp
c_atm

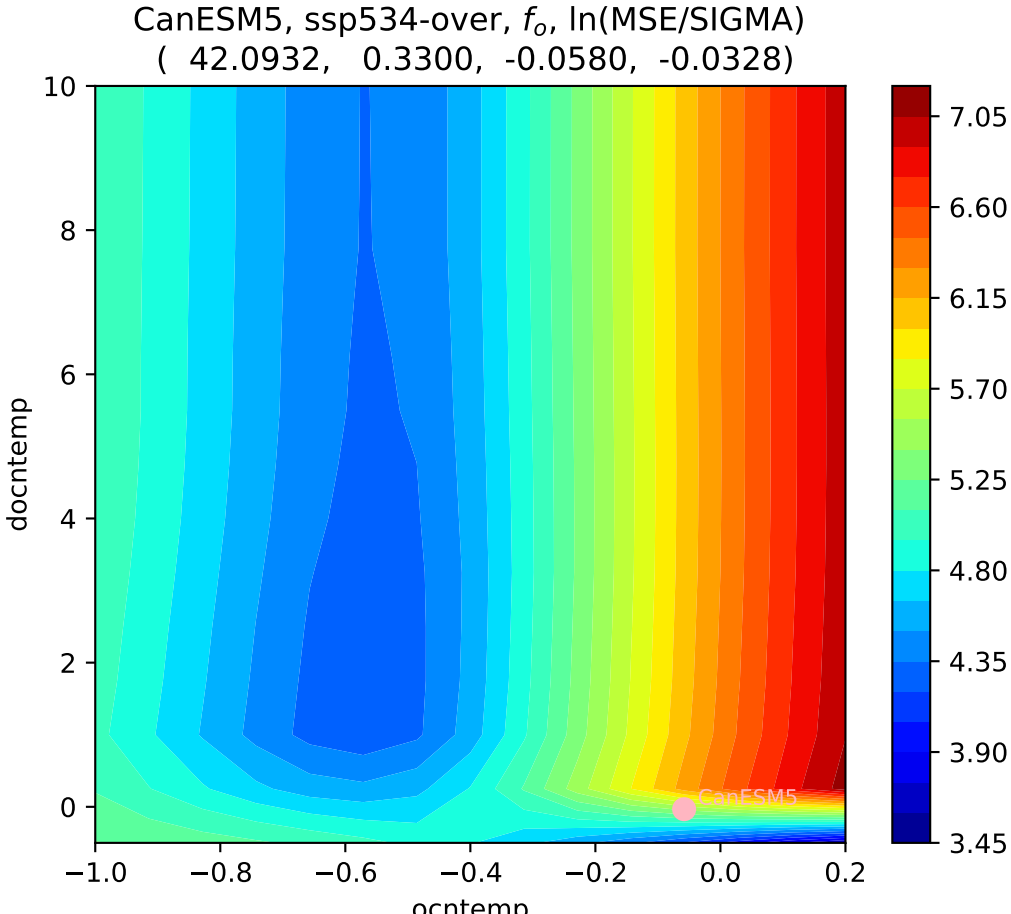

CanESM5, ssp534-over, npp
ESM-Fit
npp, ESM - FIT
c_atm


CanESM5, ssp534-over, npp, ln(MSE/SIGMA)
(0.3782, 0.1211, -0.4853, 9.2060)
CanESM5
npp_ste
npp_sts
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
34
30
26
22
18
14
10
6
2


CanESM5, ssp534-over, npp, ln(MSE/SIGMA)
(0.3782, 0.1211, -0.4853, 9.2060)
2000
1750
1500
1250
1000
750
500
250
0
npp_c_half
−1
0
1
2
3
4
npp_lt
CanESM5
8.75
7.75
6.75
5.75
4.75
3.75
2.75
1.75


CanESM5, ssp534-over, f_o
ESM
Fit
f_o
Year
CanESM5, ssp534-over, f_o
ESM-Fit
f_o, ESM - FIT
Year
CanESM5, ssp534-over, f_o
ESM
Fit
f_o
ΔT
CanESM5, ssp534-over, f_o
ESM-Fit
f_o, ESM - FIT
ΔT
CanESM5, ssp534-over, f_o
ESM
Fit
f_o
c_atm
CanESM5, ssp534-over, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


CanESM5, ssp534-over, f_o, ln(MSE/SIGMA)
(42.0932, 0.3300, -0.0580, -0.0328)
CanESM5
docnfac
docn
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
30
40
50
60
70
80
90
6.00
5.55
5.10
4.65
4.20
3.75
3.30
2.85
2.40


CanESM5, ssp534-over, f_o, ln(MSE/SIGMA)
(42.0932, 0.3300, -0.0580, -0.0328)
10
8
6
4
2
0
docntemp
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
ocntemp
CanESM5
7.05
6.60
6.15
5.70
5.25
4.80
4.35
3.90
3.45