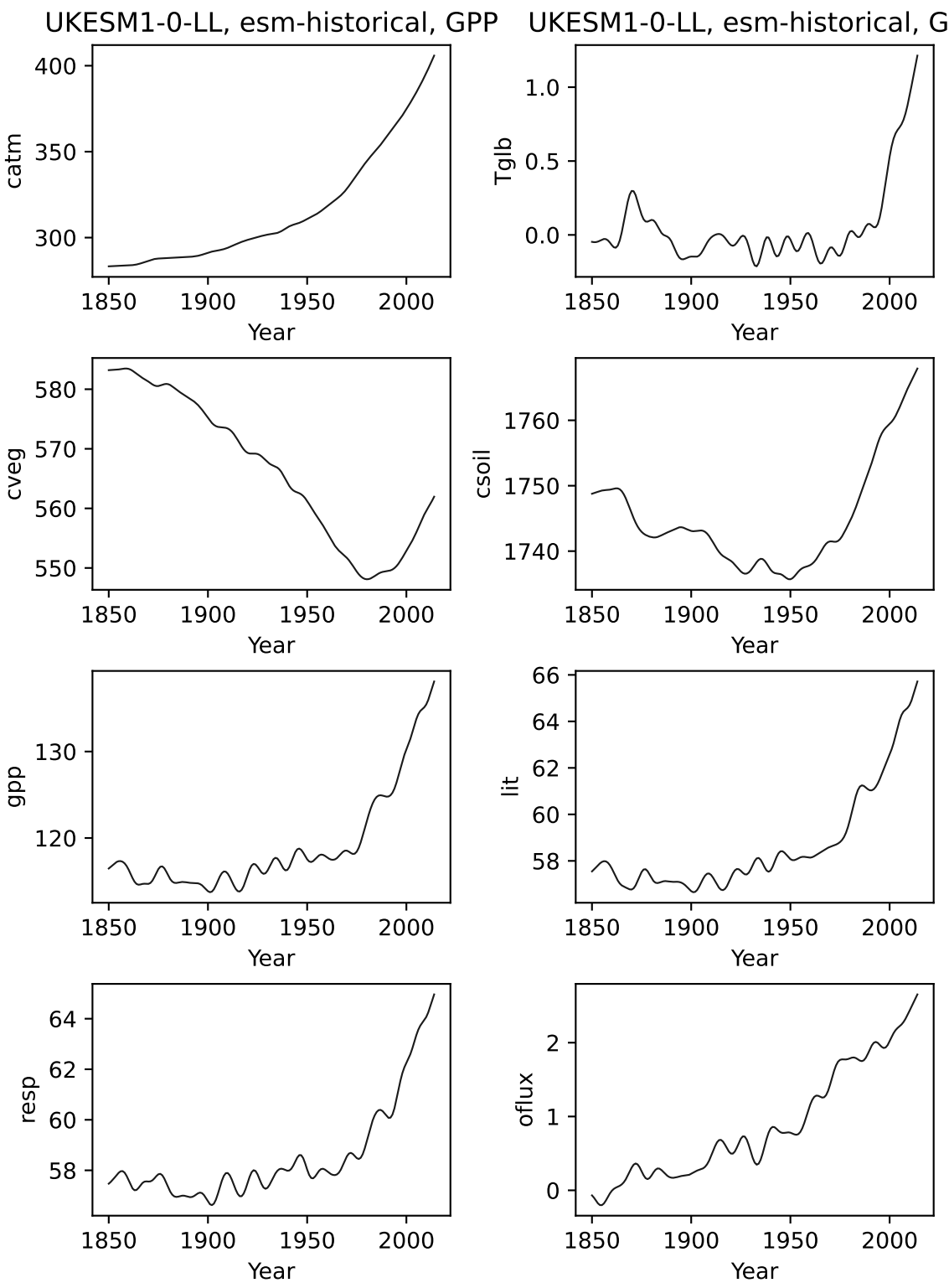
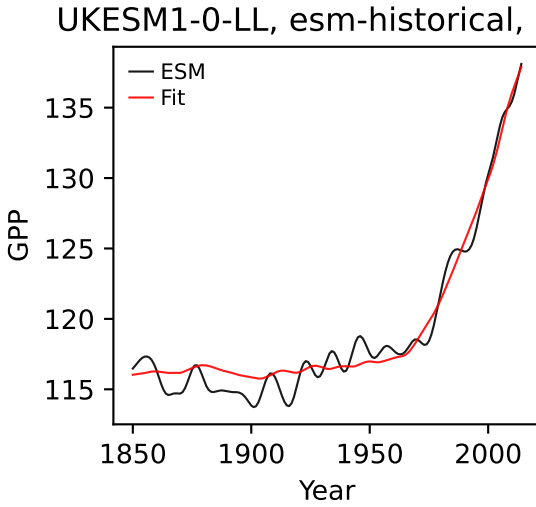
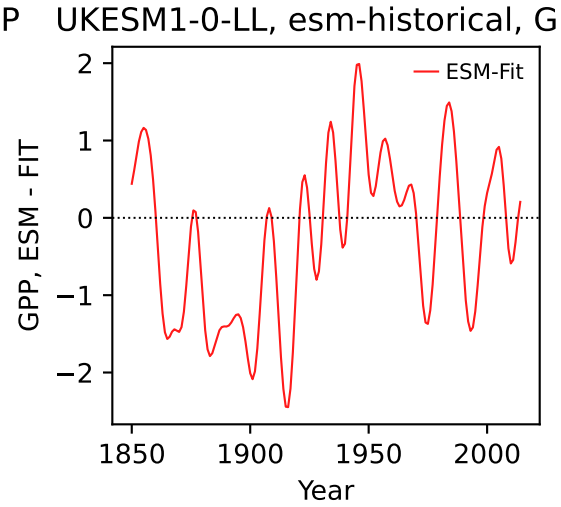
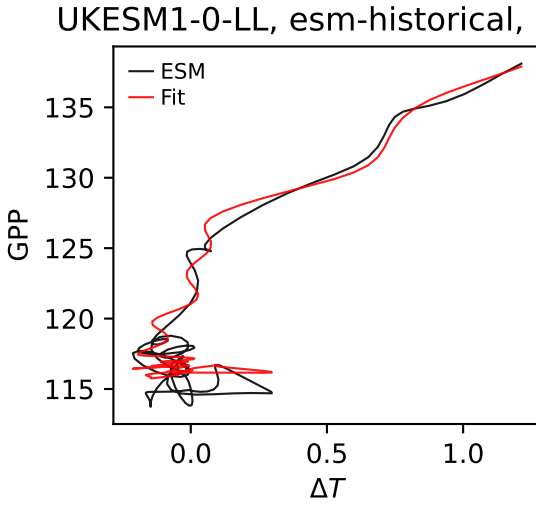
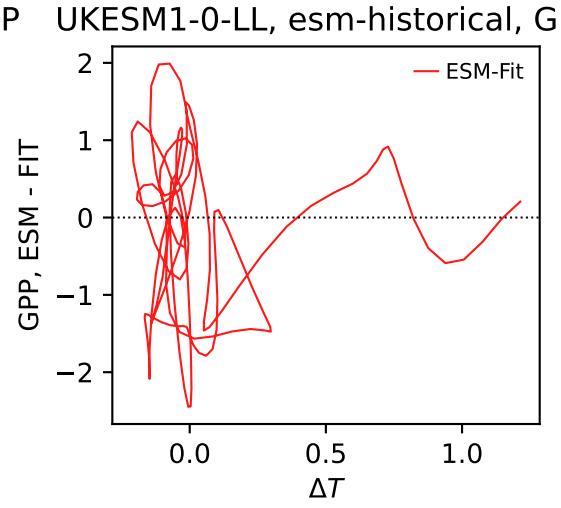
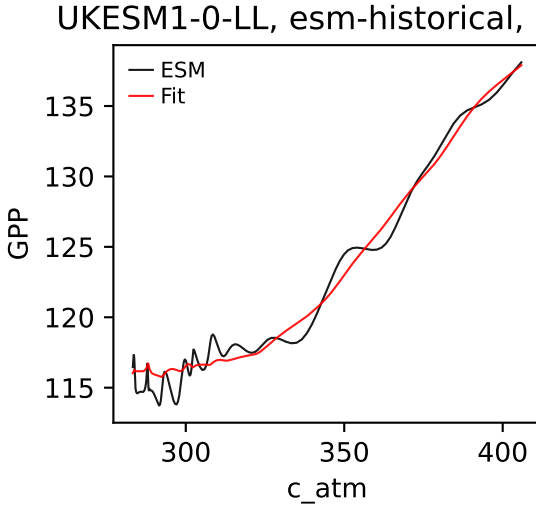

UKESM1-0-LL, esm-historical, GPP
UKESM1-0-LL, esm-historical, GP
catm
Tglb
cveg
csoil
gpp
lit
resp
oflux
Year

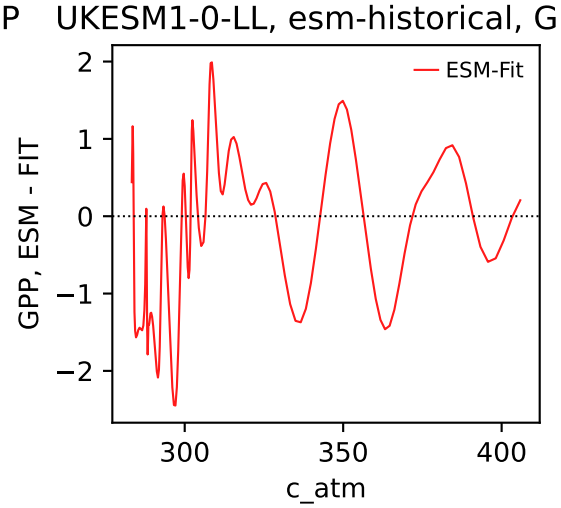

UKESM1-0-LL, esm-historical, GPP
ESM
Fit
GPP
Year

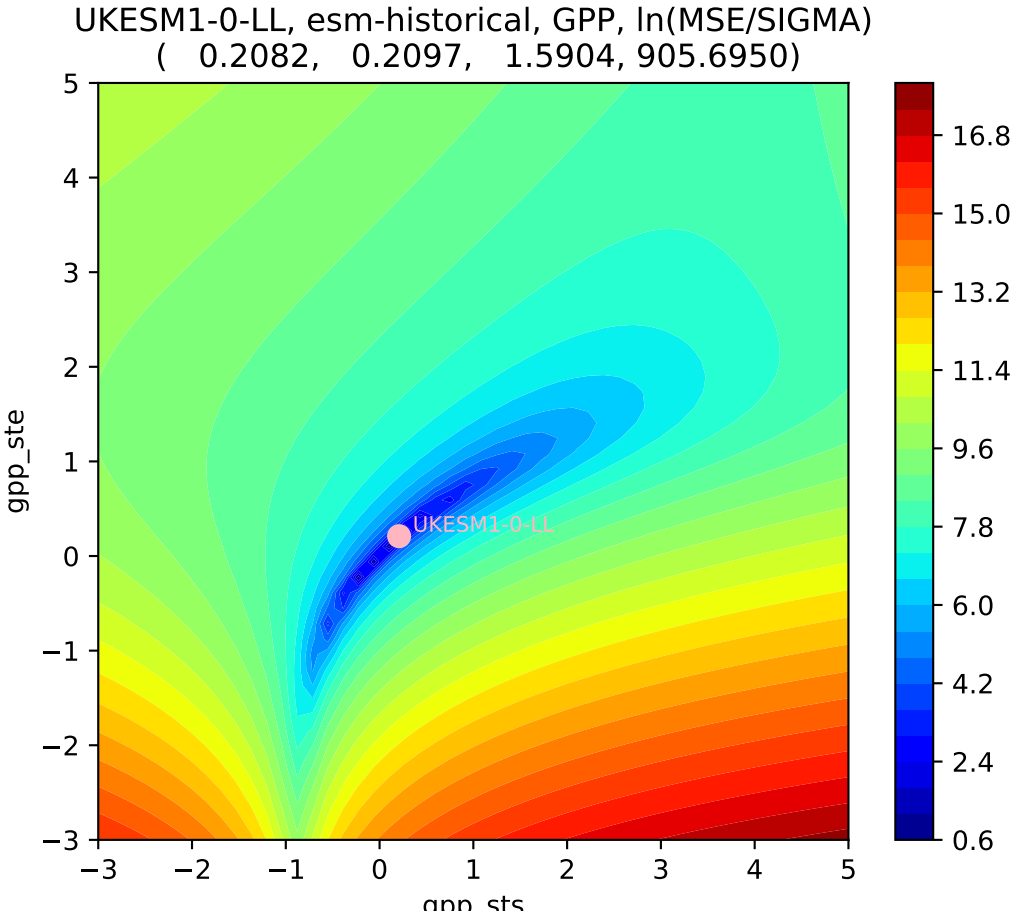

UKESM1-0-LL, esm-historical, GP
ESM-Fit
GPP, ESM - FIT
Year

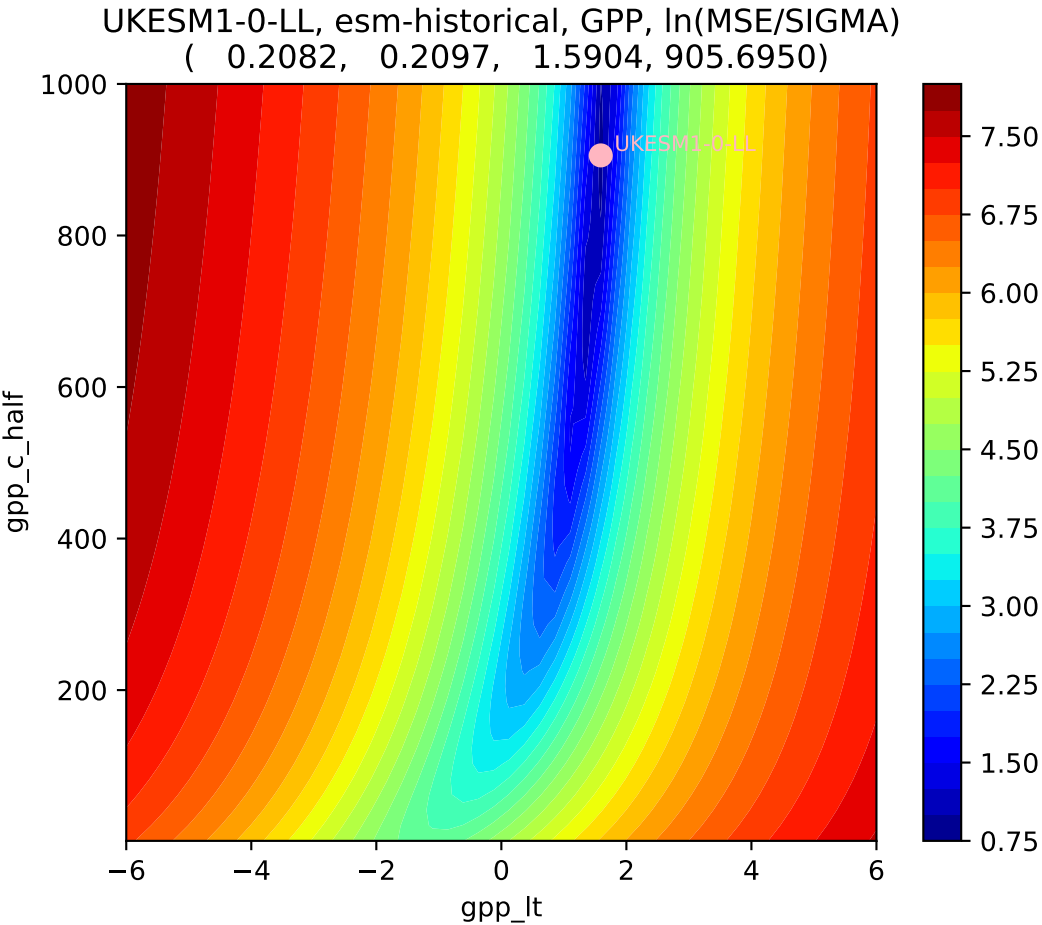

UKESM1-0-LL, esm-historical, GPP
ESM
Fit
GPP
ΔT

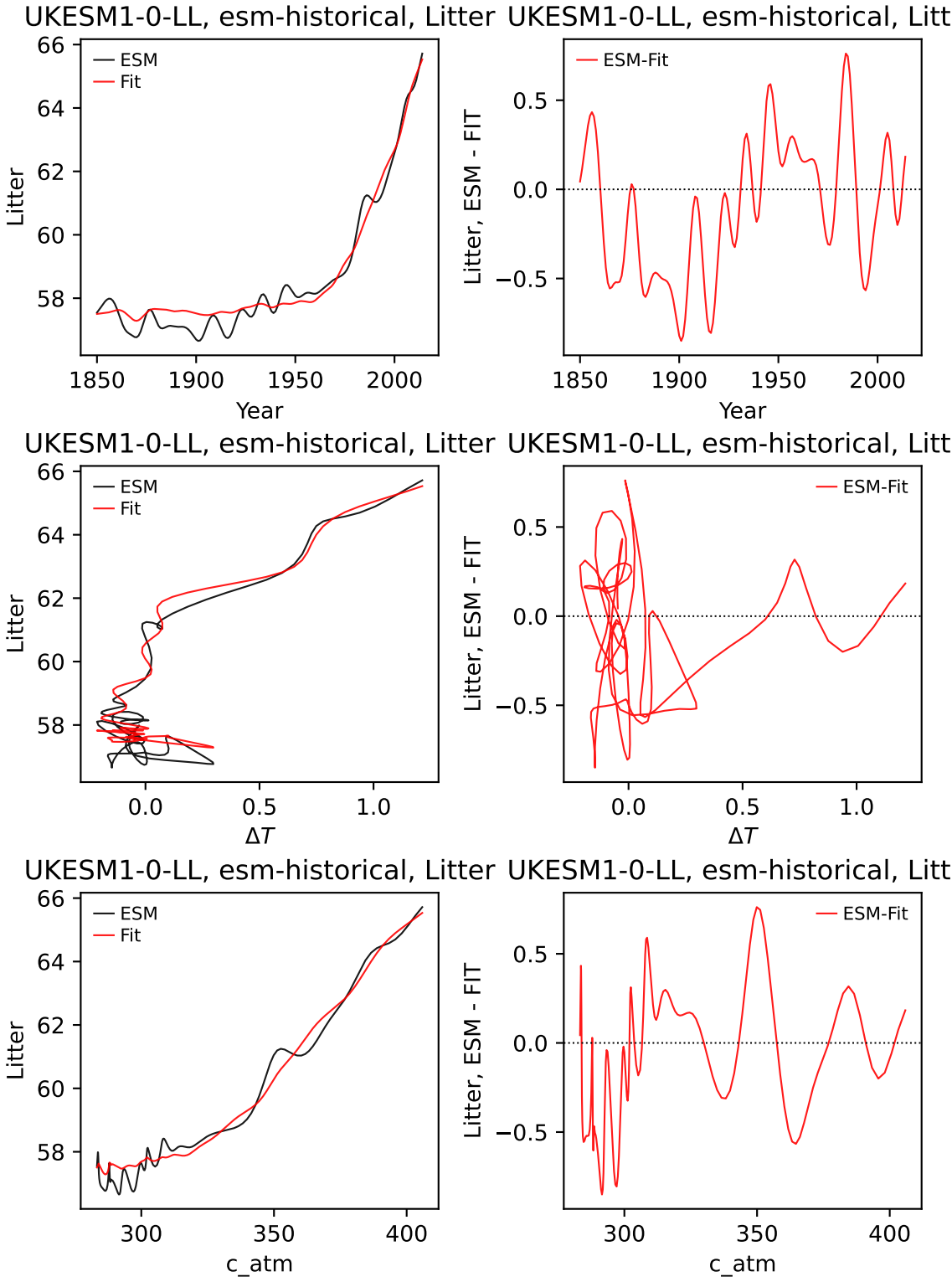

UKESM1-0-LL, esm-historical, GP
ESM-Fit
GPP, ESM - FIT
ΔT

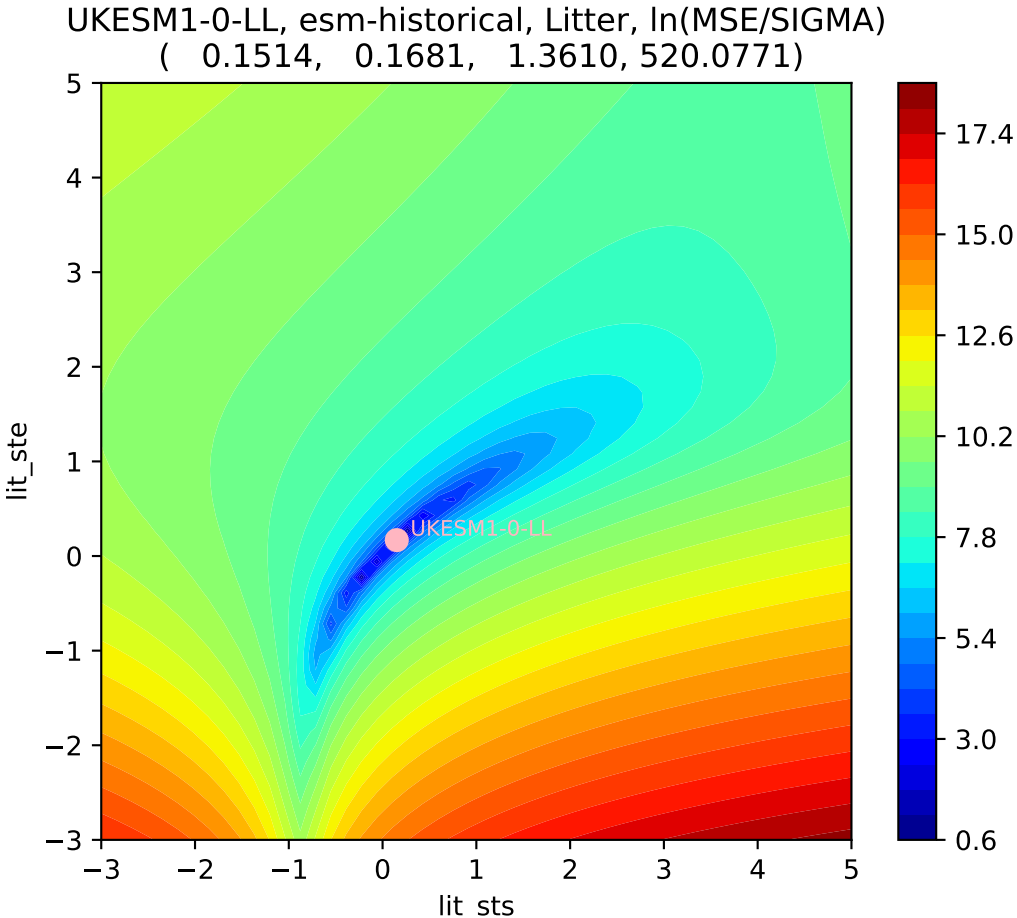

UKESM1-0-LL, esm-historical, GPP
ESM
Fit
GPP
c_atm

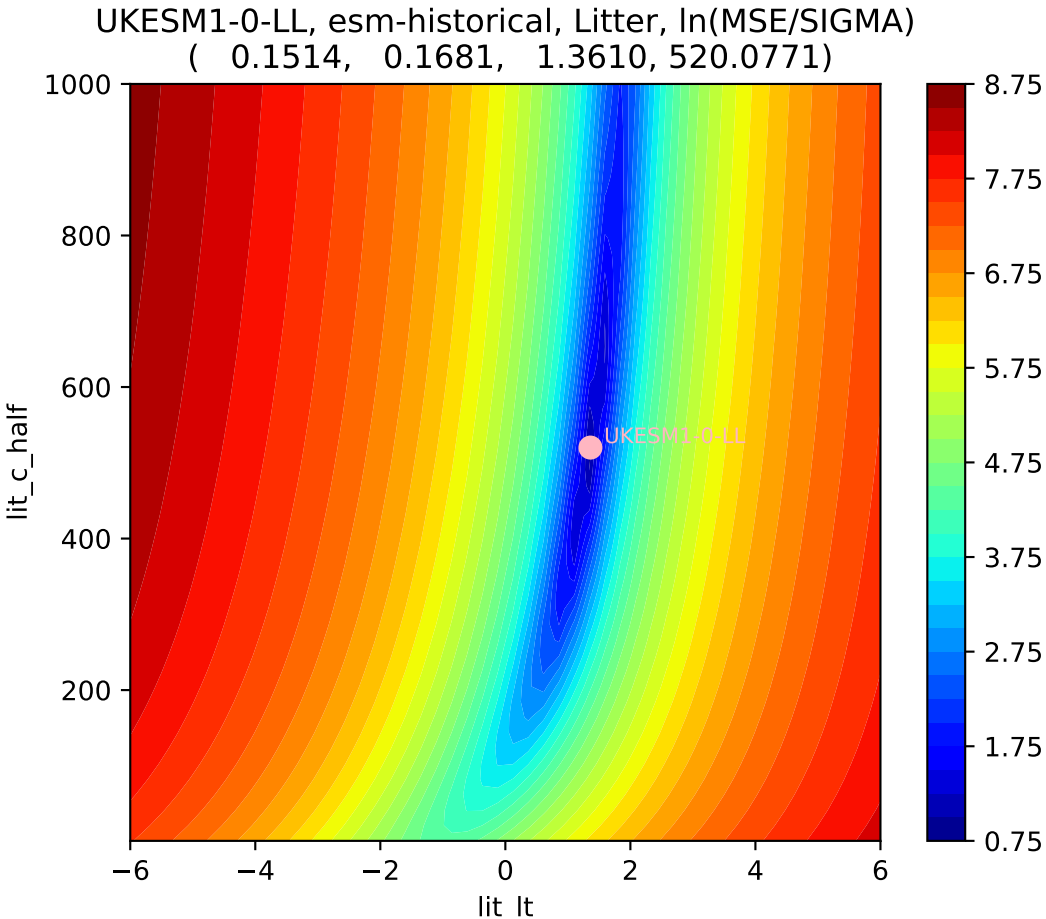

UKESM1-0-LL, esm-historical, GP
ESM-Fit
GPP, ESM - FIT
c_atm

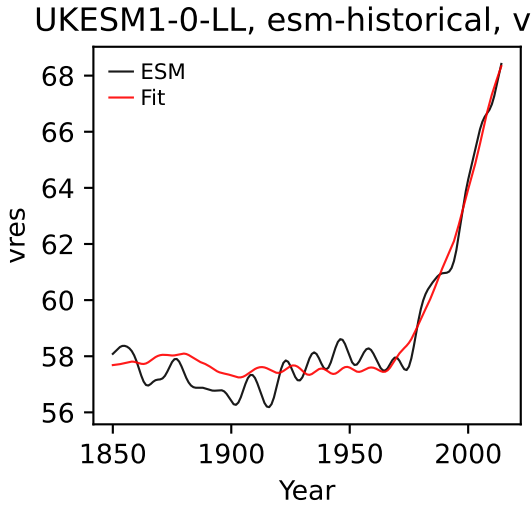

UKESM1-0-LL, esm-historical, GPP, ln(MSE/SIGMA)
(0.2082, 0.2097, 1.5904, 905.6950)
UKESM1-0-LL
gpp_ste
gpp_sts
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
16.8
15.0
13.2
11.4
9.6
7.8
6.0
4.2
2.4
0.6

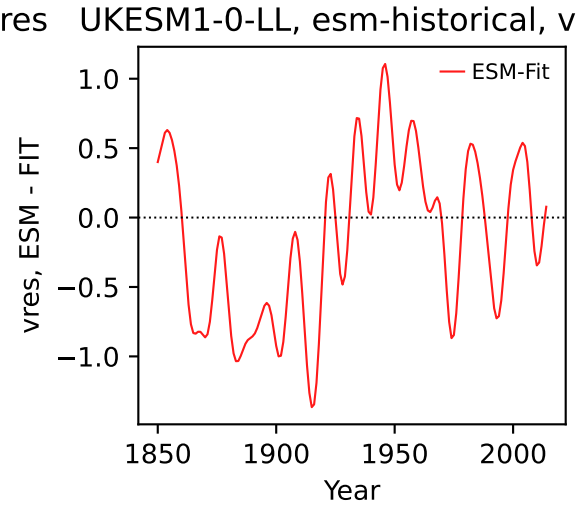

UKESM1-0-LL, esm-historical, GPP, ln(MSE/SIGMA)
(0.2082, 0.2097, 1.5904, 905.6950)
UKESM1-0-LL
1000
800
600
400
200
gpp_c_half
−6
−4
−2
0
2
4
6
gpp_lt
7.50
6.75
6.00
5.25
4.50
3.75
3.00
2.25
1.50
0.75

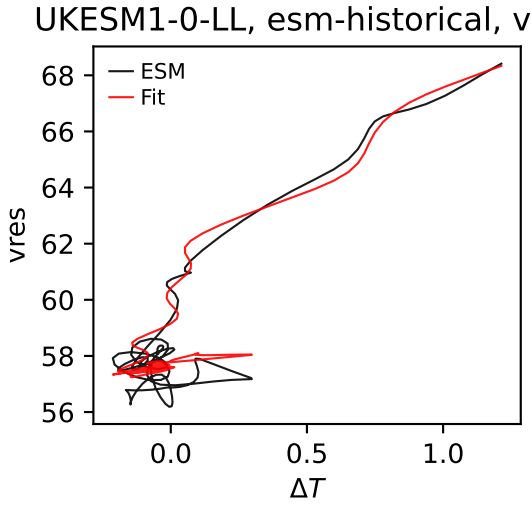

UKESM1-0-LL, esm-historical, Litter
ESM
Fit
Litter
Year
UKESM1-0-LL, esm-historical, Litt
ESM-Fit
Litter, ESM - FIT
Year
UKESM1-0-LL, esm-historical, Litter
ESM
Fit
Litter
ΔT
UKESM1-0-LL, esm-historical, Litt
ESM-Fit
Litter, ESM - FIT
ΔT
UKESM1-0-LL, esm-historical, Litter
ESM
Fit
Litter
c_atm
UKESM1-0-LL, esm-historical, Litt
ESM-Fit
Litter, ESM - FIT
c_atm

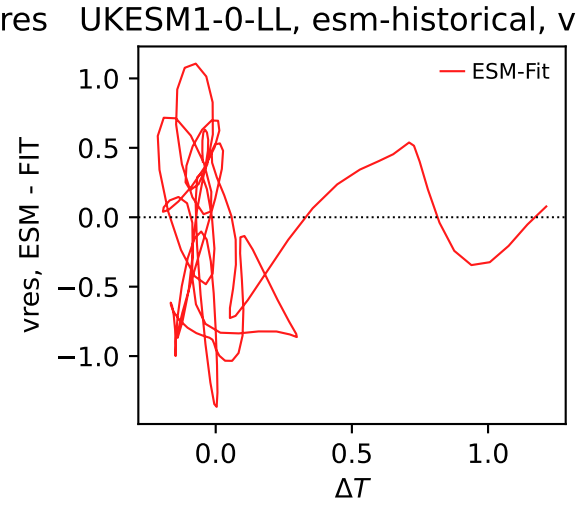

UKESM1-0-LL, esm-historical, Litter, ln(MSE/SIGMA)
(0.1514, 0.1681, 1.3610, 520.0771)
lit_ste
lit_sts
UKESM1-0-LL
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
17.4
15.0
12.6
10.2
7.8
5.4
3.0
0.6

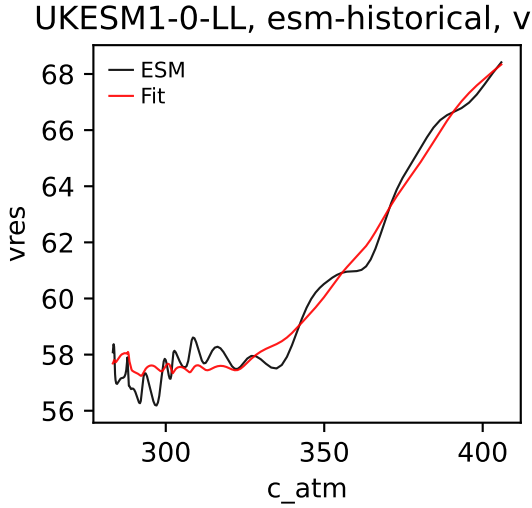

UKESM1-0-LL, esm-historical, Litter, ln(MSE/SIGMA)
(0.1514, 0.1681, 1.3610, 520.0771)
1000
800
600
400
200
lit_c_half
−6
−4
−2
0
2
4
6
lit_lt
UKESM1-0-LL
8.75
7.75
6.75
5.75
4.75
3.75
2.75
1.75
0.75

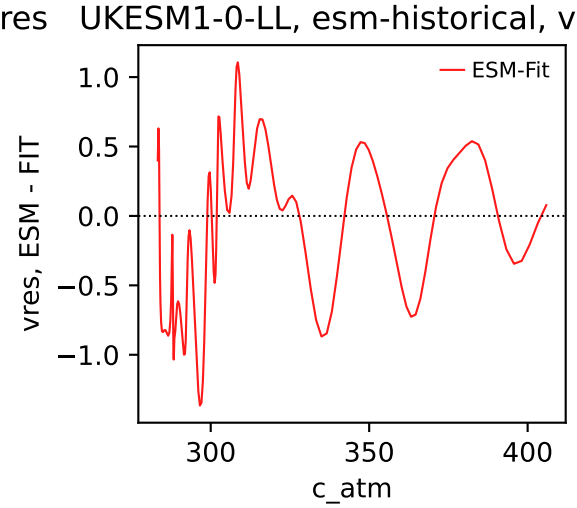

UKESM1-0-LL, esm-historical, vres
ESM
Fit
vres
Year

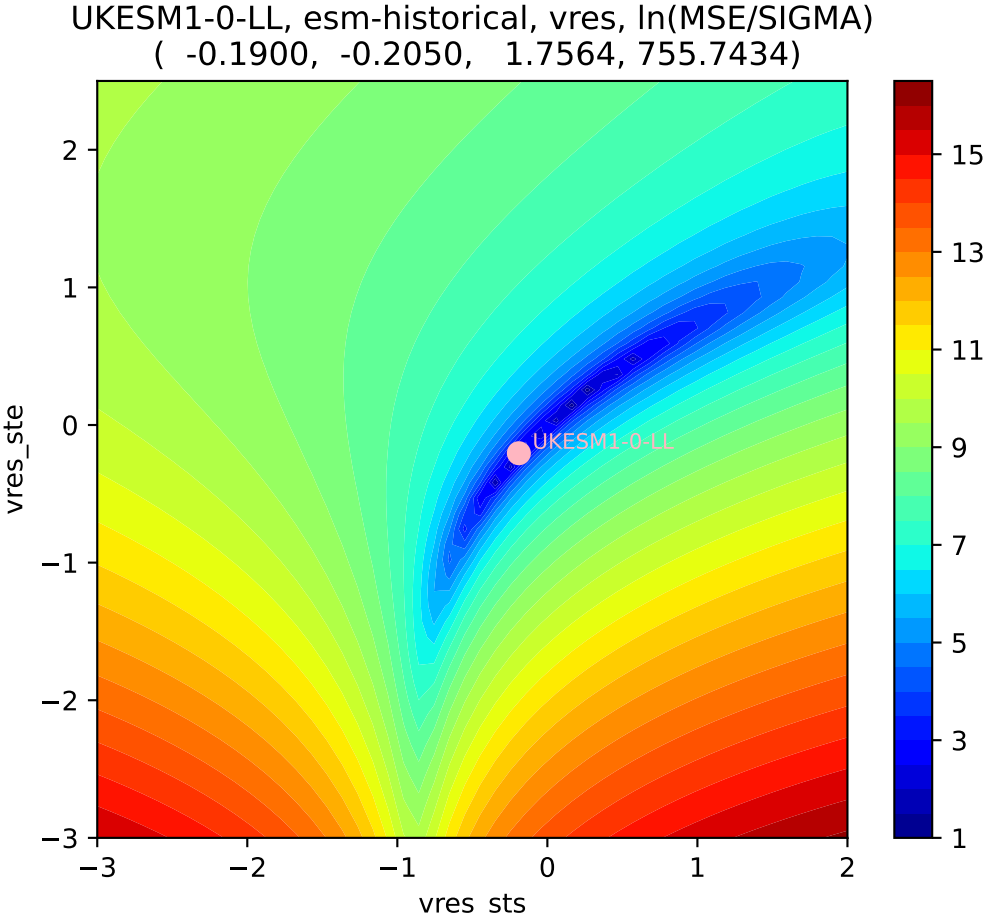

UKESM1-0-LL, esm-historical, vre
ESM-Fit
vres, ESM - FIT
Year

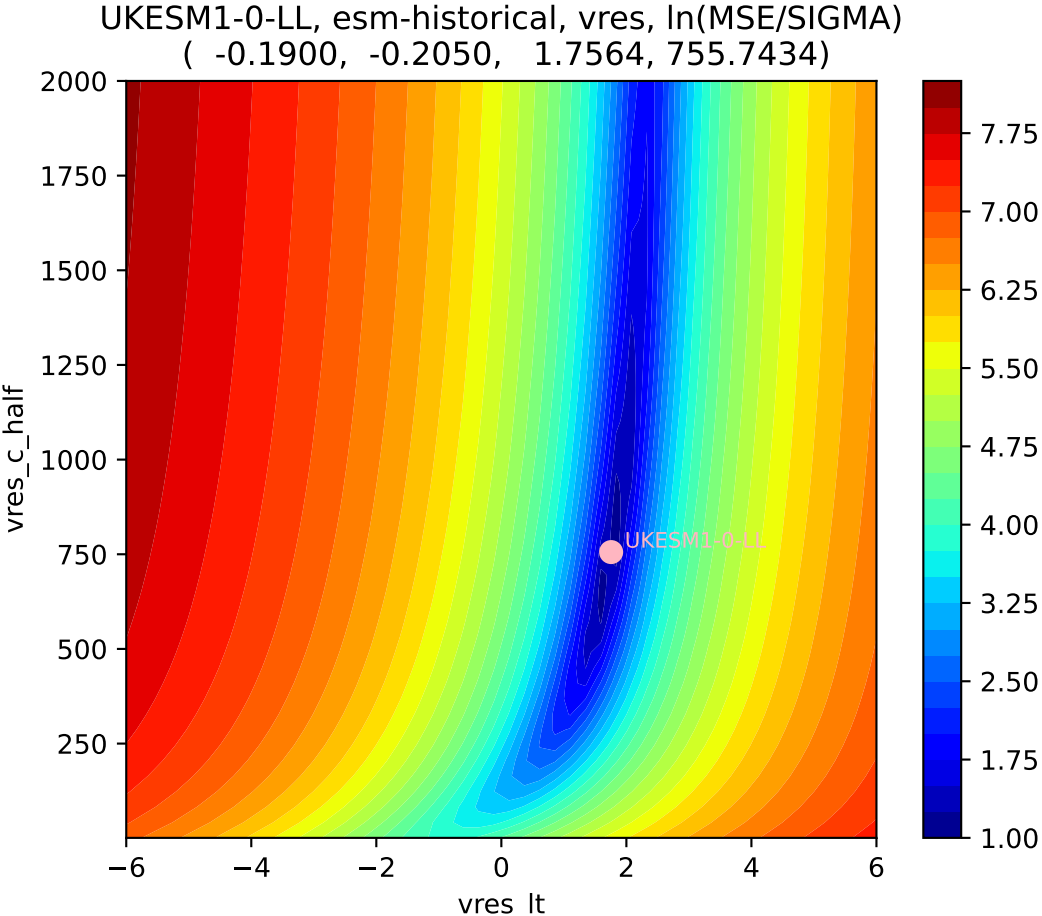

UKESM1-0-LL, esm-historical, vres
ESM
Fit
vres
ΔT

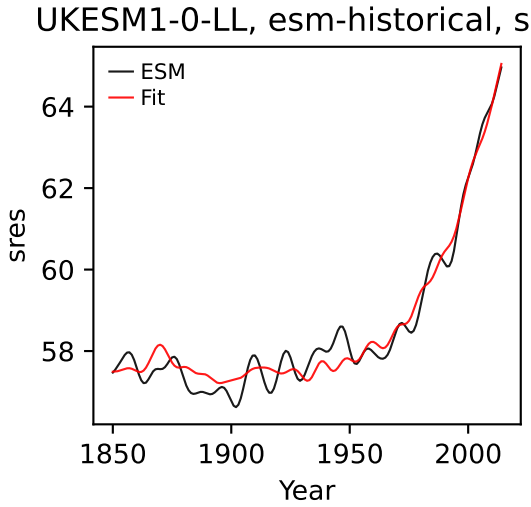

UKESM1-0-LL, esm-historical, vre
ESM-Fit
vres, ESM - FIT
ΔT

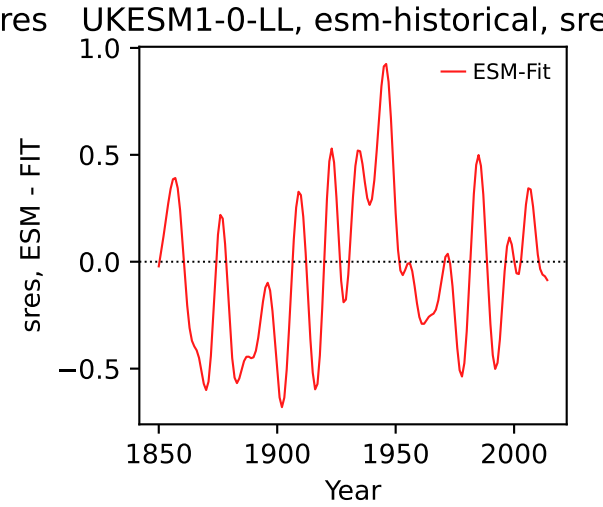

UKESM1-0-LL, esm-historical, vres
ESM
Fit
vres
c_atm

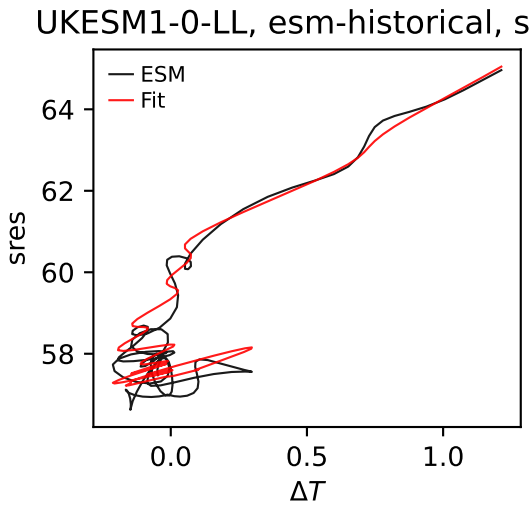

UKESM1-0-LL, esm-historical, vre
ESM-Fit
vres, ESM - FIT
c_atm

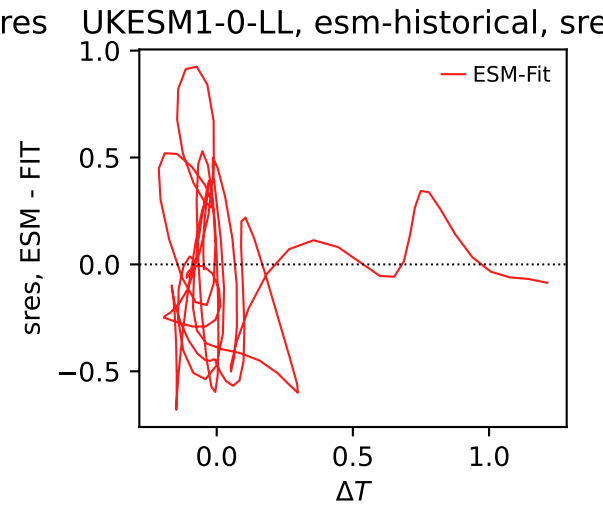

UKESM1-0-LL, esm-historical, vres, ln(MSE/SIGMA)
(-0.1900, -0.2050, 1.7564, 755.7434)
UKESM1-0-LL
vres_ste
vres_sts
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
15
13
11
9
7
5
3
1

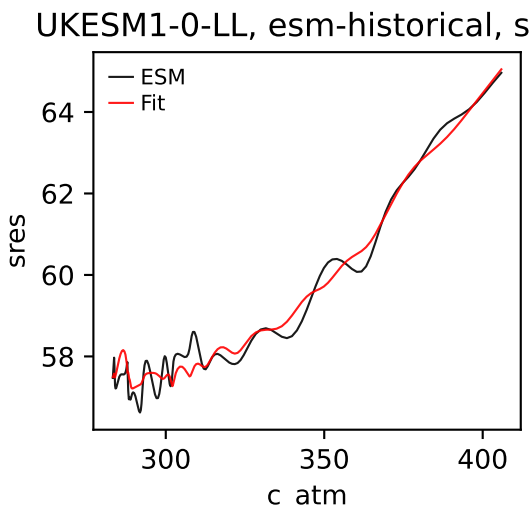

UKESM1-0-LL, esm-historical, vres, ln(MSE/SIGMA)
(-0.1900, -0.2050, 1.7564, 755.7434)
2000
1750
1500
1250
1000
750
500
250
vres_c_half
UKESM1-0-LL
−6
−4
−2
0
2
4
6
vres_lt
7.75
7.00
6.25
5.50
4.75
4.00
3.25
2.50
1.75
1.00

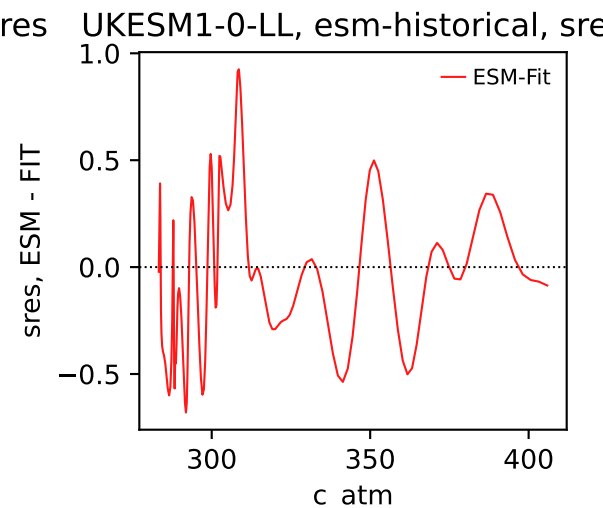

UKESM1-0-LL, esm-historical, sres
ESM
Fit
sres
64
62
60
58
1850
1900
1950
2000
Year

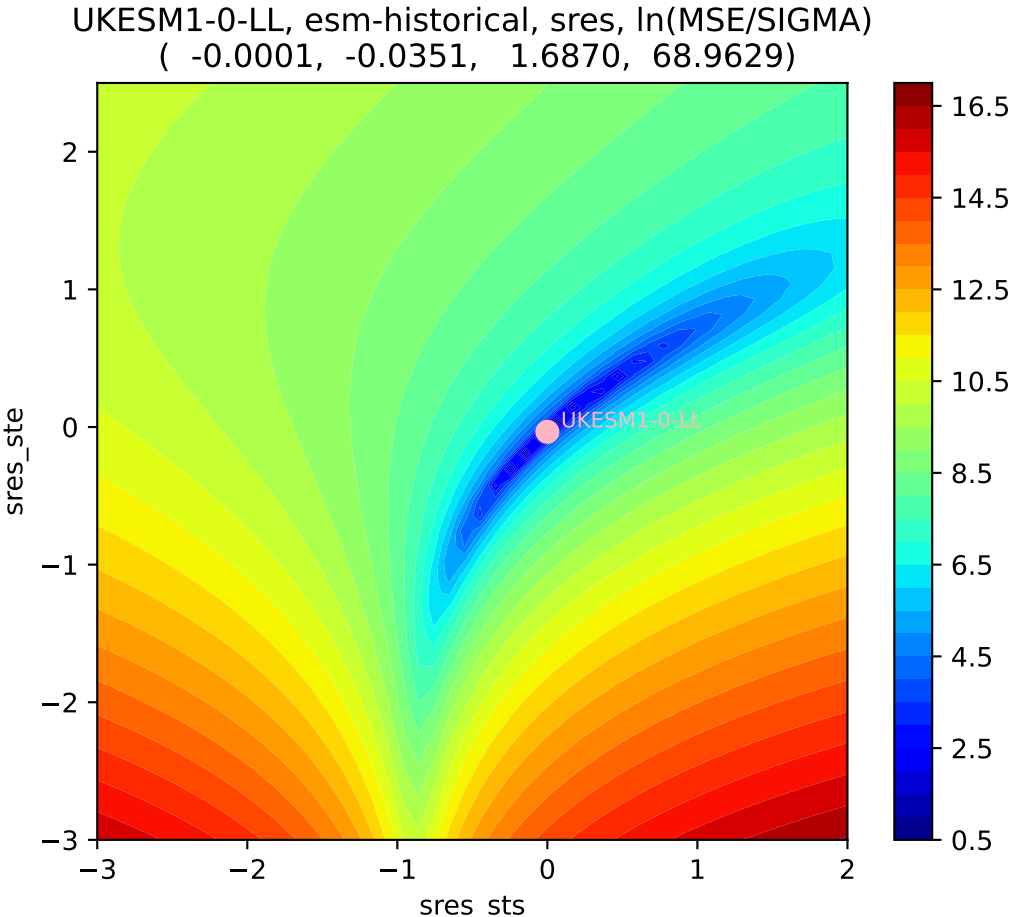

UKESM1-0-LL, esm-historical, sre
ESM-Fit
sres, ESM - FIT
1.0
0.5
0.0
−0.5
1850
1900
1950
2000
Year

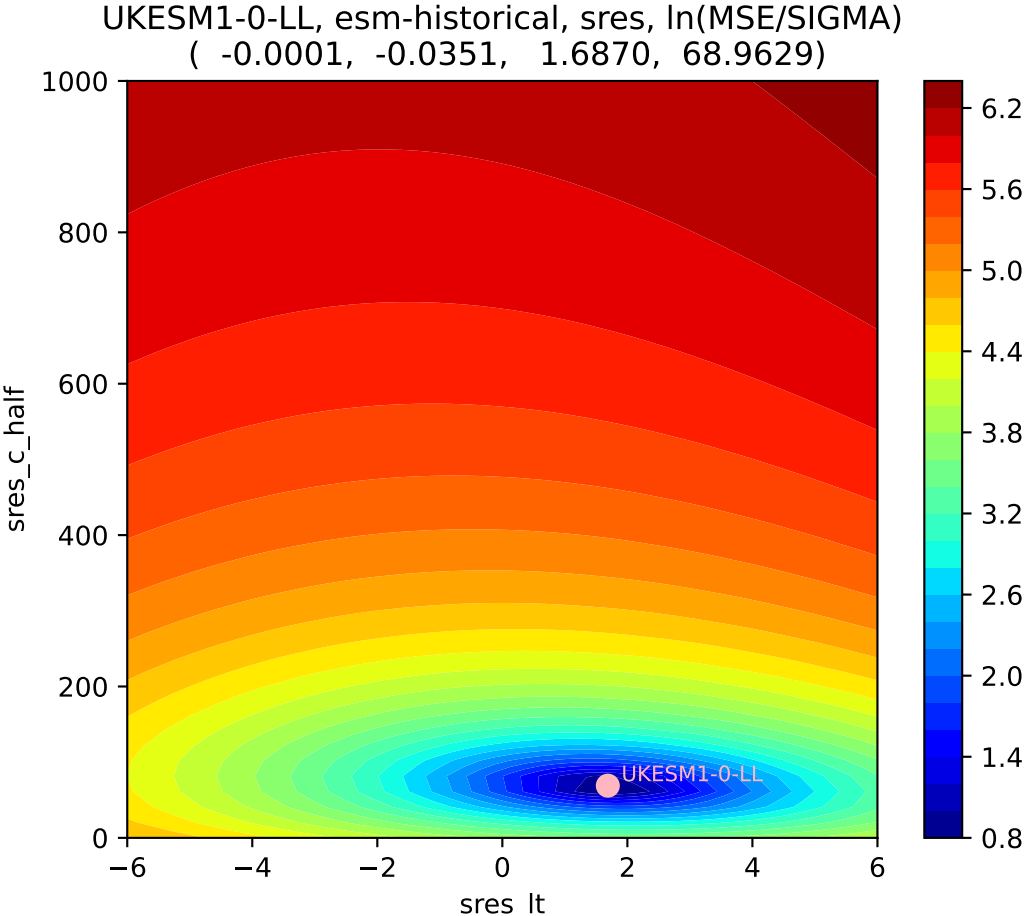

UKESM1-0-LL, esm-historical, sres
ESM
Fit
sres
64
62
60
58
0.0
0.5
1.0
ΔT

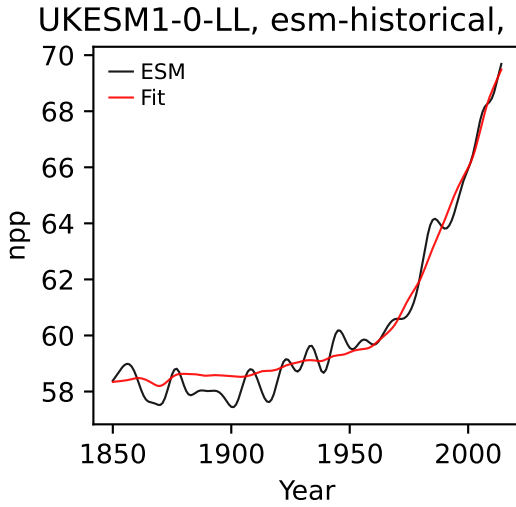

UKESM1-0-LL, esm-historical, sre
ESM-Fit
sres, ESM - FIT
1.0
0.5
0.0
−0.5
0.0
0.5
1.0
ΔT

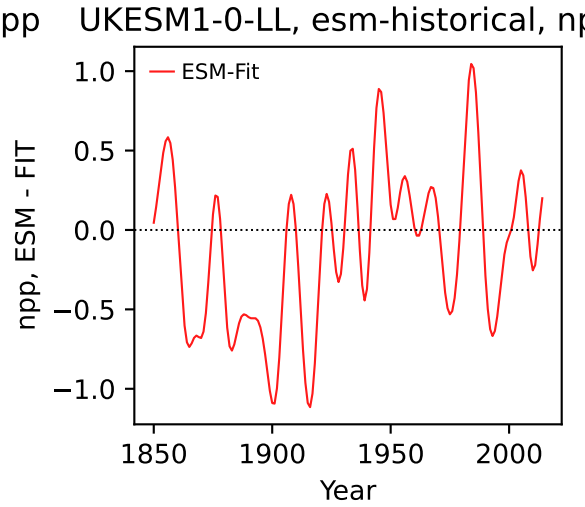

UKESM1-0-LL, esm-historical, sres
ESM
Fit
sres
64
62
60
58
300
350
400
c_atm

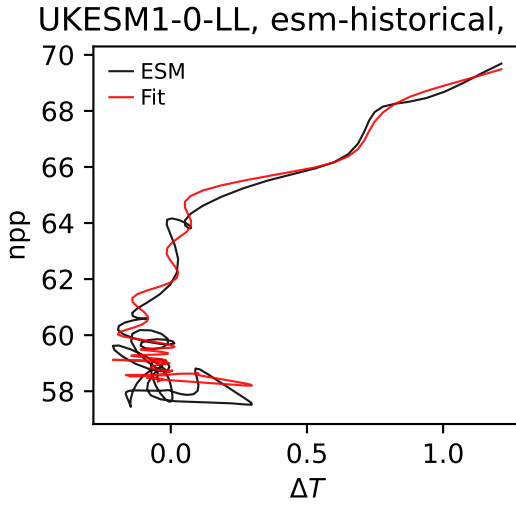

UKESM1-0-LL, esm-historical, sre
ESM-Fit
sres, ESM - FIT
1.0
0.5
0.0
−0.5
300
350
400
c_atm

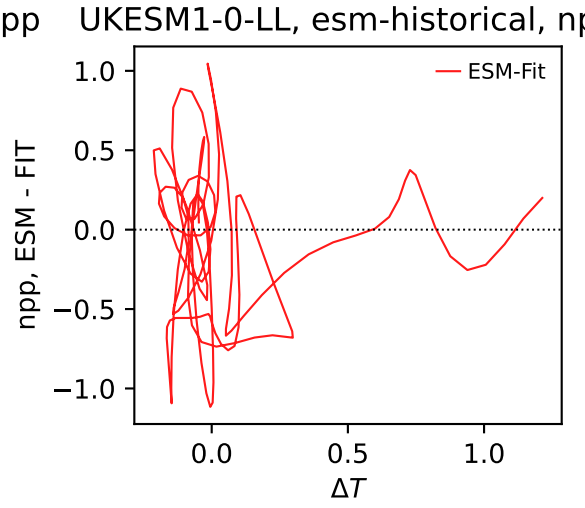

UKESM1-0-LL, esm-historical, sres, ln(MSE/SIGMA)
(-0.0001, -0.0351, 1.6870, 68.9629)
UKESM1-0-LL
sres_ste
sres_sts
2
1
0
−1
−2
−3
16.5
14.5
12.5
10.5
8.5
6.5
4.5
2.5
0.5

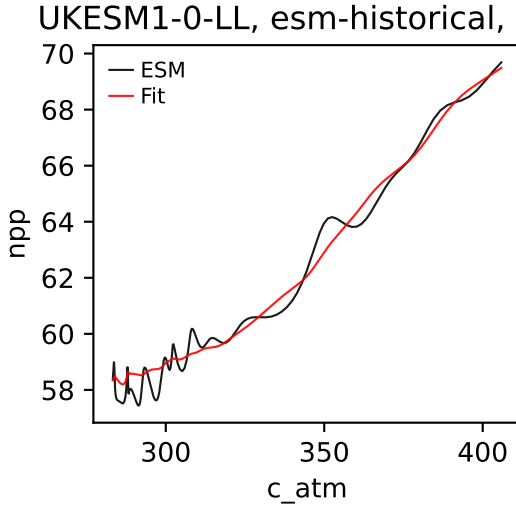

UKESM1-0-LL, esm-historical, sres, ln(MSE/SIGMA)
(-0.0001, -0.0351, 1.6870, 68.9629)
1000
800
600
400
200
0
sres_c_half
−6
−4
−2
0
2
4
6
sres_lt
UKESM1-0-LL
6.2
5.6
5.0
4.4
3.8
3.2
2.6
2.0
1.4
0.8

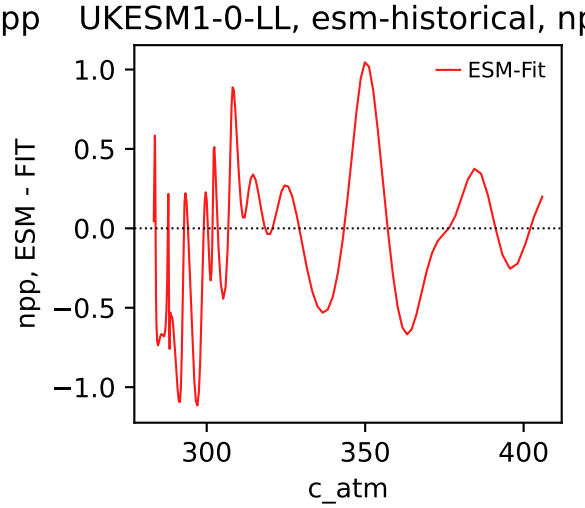

UKESM1-0-LL, esm-historical, npp
ESM
Fit
npp
Year

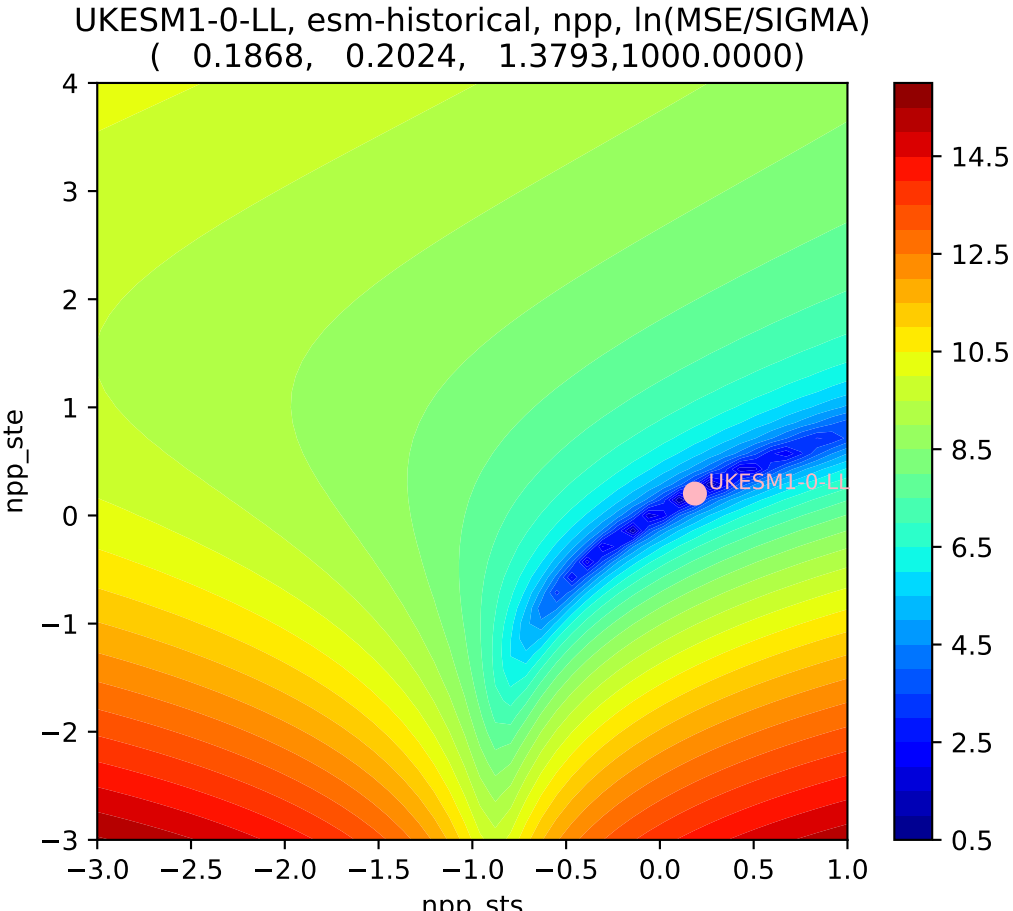

UKESM1-0-LL, esm-historical, np
ESM-Fit
npp, ESM - FIT
Year

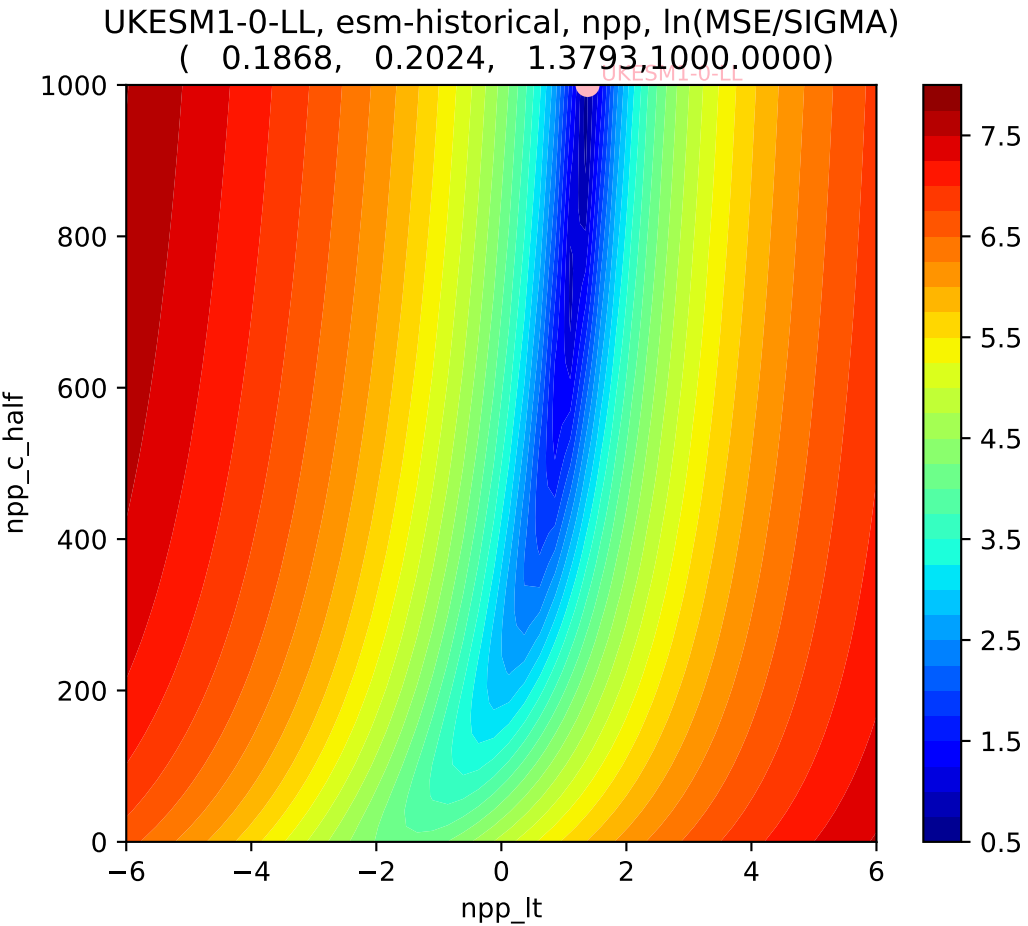

UKESM1-0-LL, esm-historical, npp
ESM
Fit
npp
ΔT

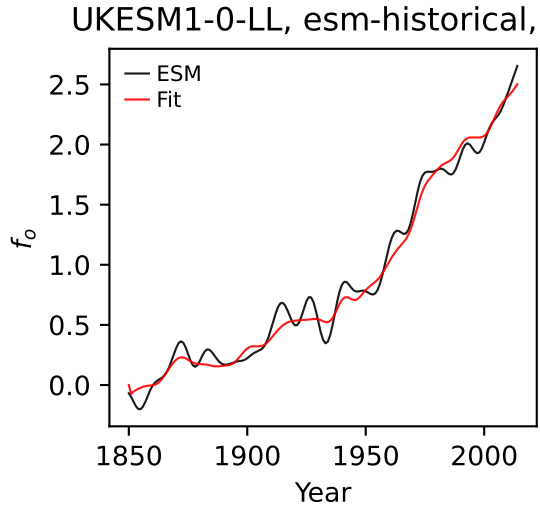

UKESM1-0-LL, esm-historical, np
ESM-Fit
npp, ESM - FIT
ΔT

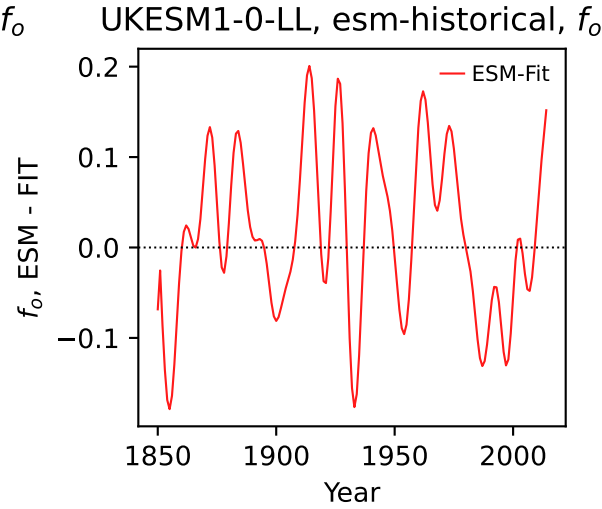

UKESM1-0-LL, esm-historical, npp
ESM
Fit
npp
c_atm

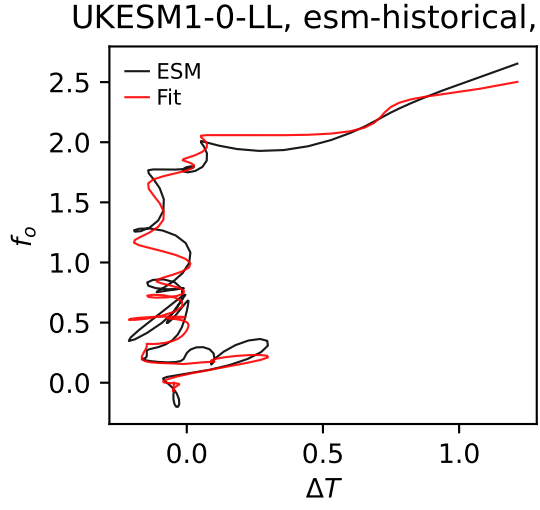

UKESM1-0-LL, esm-historical, np
ESM-Fit
npp, ESM - FIT
c_atm

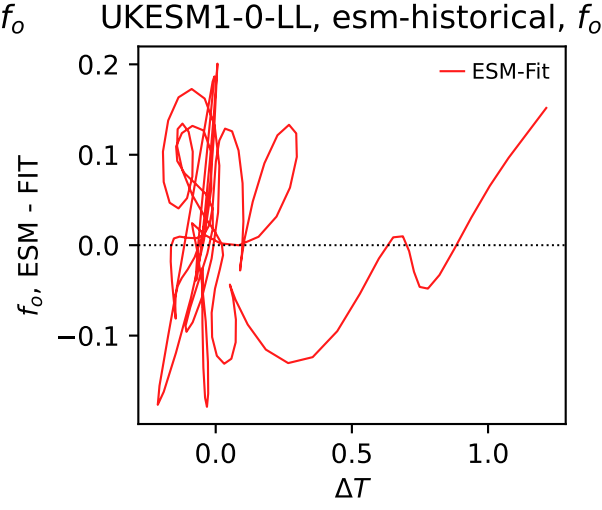

UKESM1-0-LL, esm-historical, npp, ln(MSE/SIGMA)
(0.1868, 0.2024, 1.3793,1000.0000)
UKESM1-0-LL
npp_ste
npp_sts
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
14.5
12.5
10.5
8.5
6.5
4.5
2.5
0.5

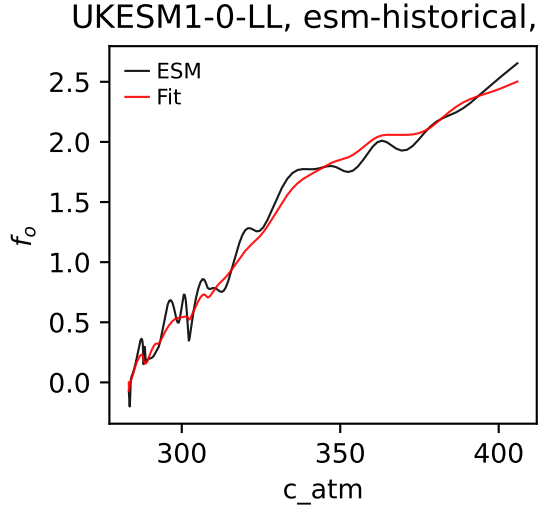

UKESM1-0-LL, esm-historical, npp, ln(MSE/SIGMA)
(0.1868, 0.2024, 1.3793,1000.0000)
UKESM1-0-LL
1000
800
600
400
200
0
npp_c_half
−6
−4
−2
0
2
4
6
npp_lt
7.5
6.5
5.5
4.5
3.5
2.5
1.5
0.5

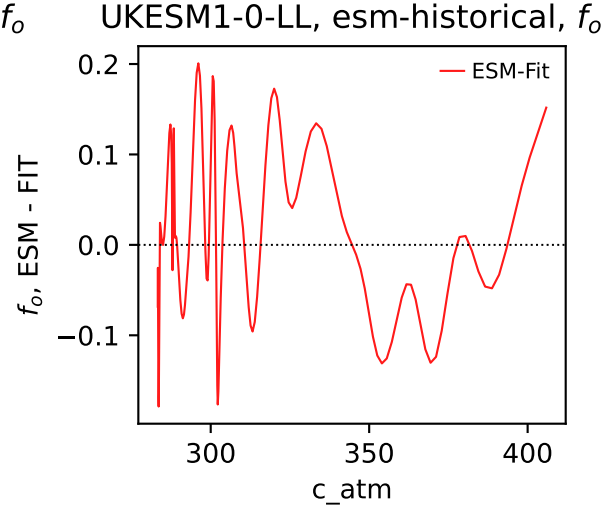

UKESM1-0-LL, esm-historical, f_o
ESM
Fit
f_o
Year

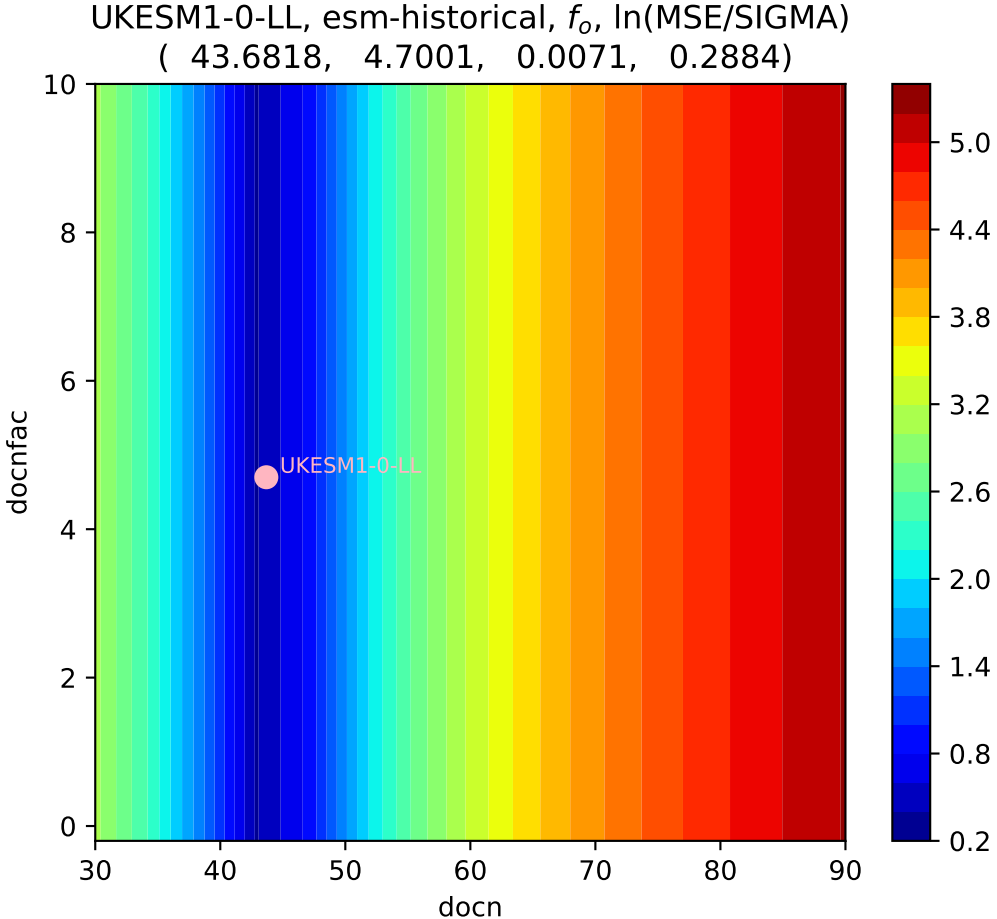

UKESM1-0-LL, esm-historical, f_o
ESM-Fit
f_o, ESM - FIT
Year

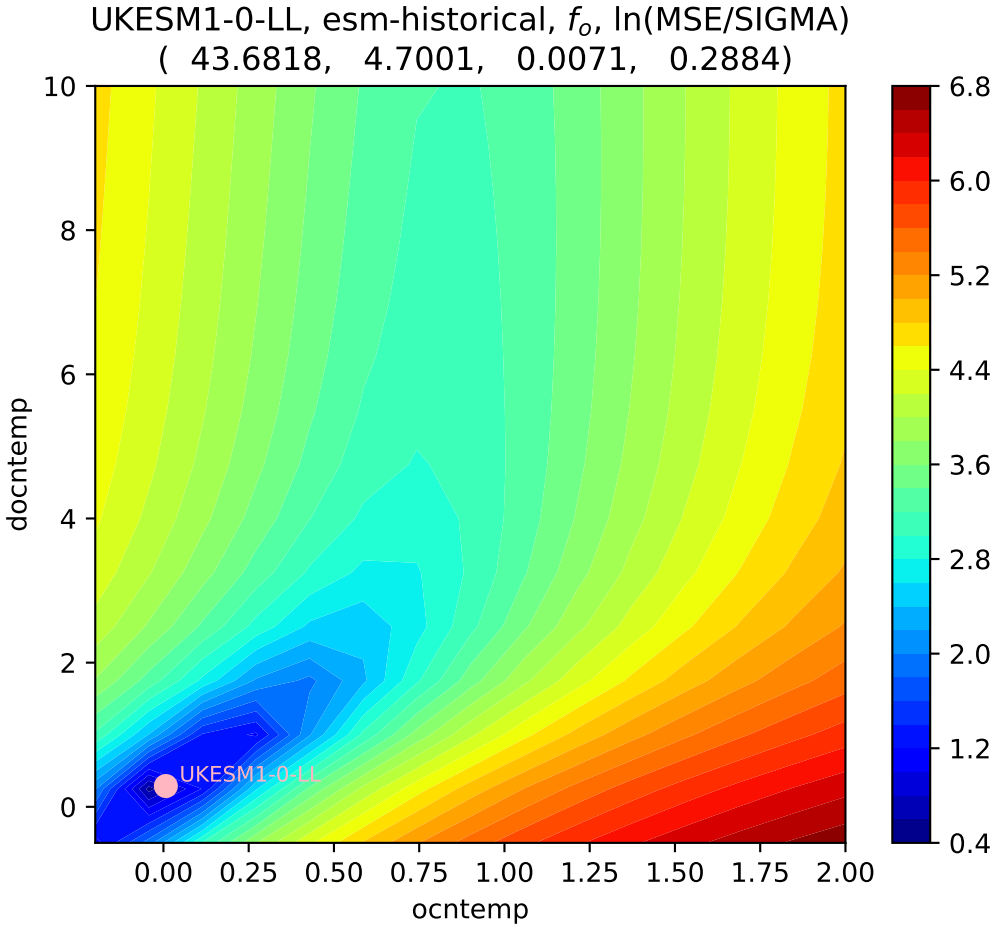

UKESM1-0-LL, esm-historical, f_o
ESM
Fit
f_o
ΔT


UKESM1-0-LL, esm-historical, f_o
ESM-Fit
f_o, ESM - FIT
ΔT


UKESM1-0-LL, esm-historical, f_o
ESM
Fit
f_o
c_atm


UKESM1-0-LL, esm-historical, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


UKESM1-0-LL, esm-historical, f_o, ln(MSE/SIGMA)
(43.6818, 4.7001, 0.0071, 0.2884)
UKESM1-0-LL
docnfac
docn
0
2
4
6
8
10
30
40
50
60
70
80
90
0.2
0.8
1.4
2.0
2.6
3.2
3.8
4.4
5.0


UKESM1-0-LL, esm-historical, f_o, ln(MSE/SIGMA)
(43.6818, 4.7001, 0.0071, 0.2884)
docntemp
ocntemp
UKESM1-0-LL
0
2
4
6
8
10
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
0.4
1.2
2.0
2.8
3.6
4.4
5.2
6.0
6.8