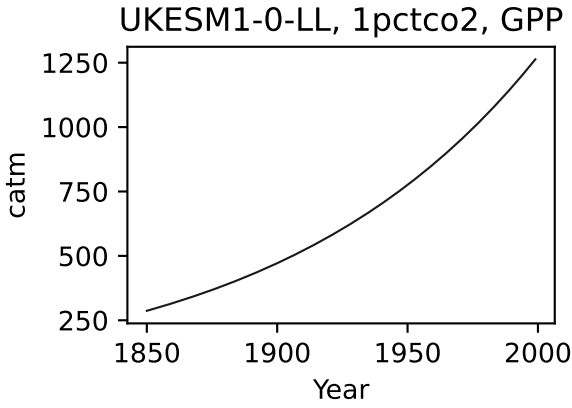
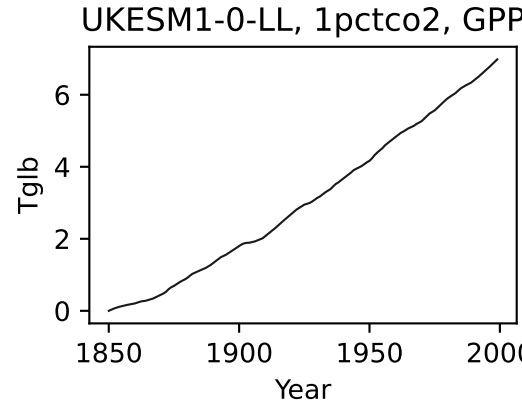
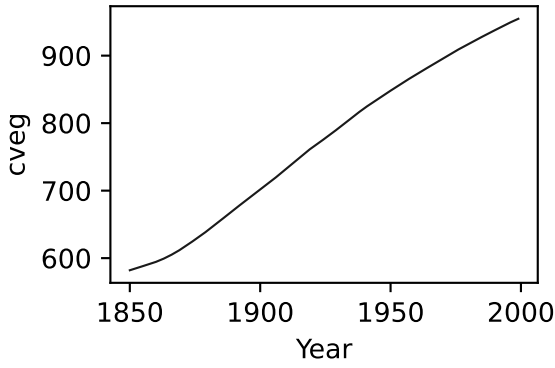
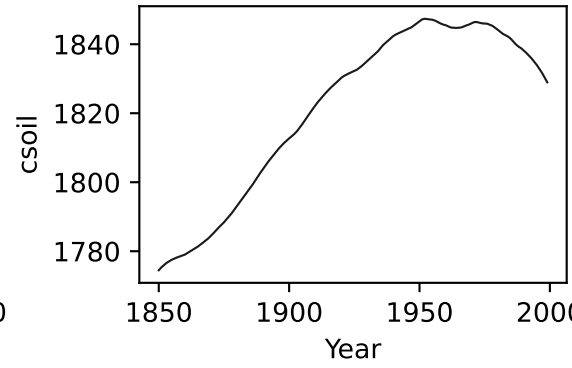
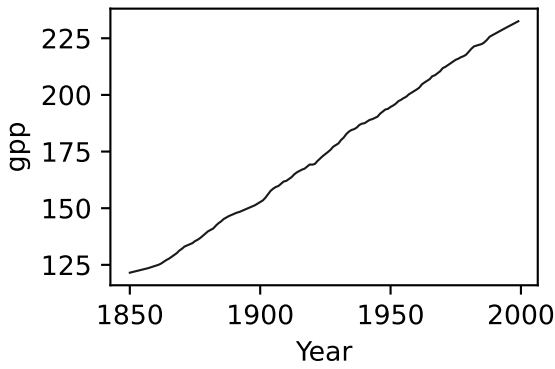
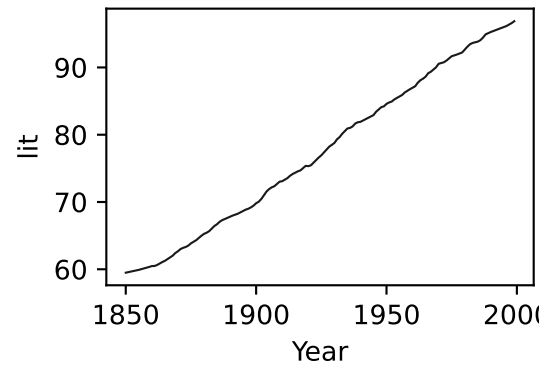

UKESM1-0-LL, 1pctco2, GPP
catm
1250
1000
750
500
250
1850
1900
1950
2000
Year

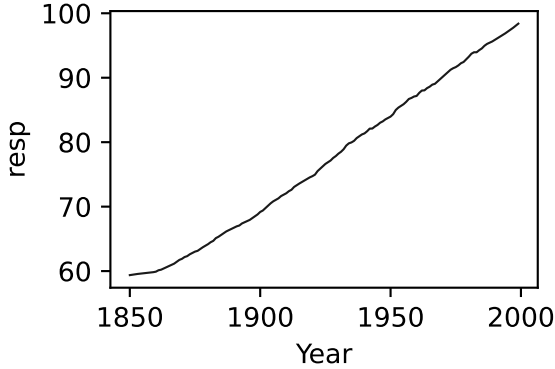

UKESM1-0-LL, 1pctco2, GPP
Tglb
6
4
2
0
1850
1900
1950
2000
Year

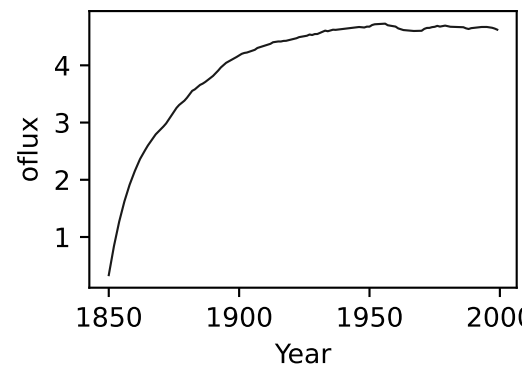

cveg
900
800
700
600
1850
1900
1950
2000
Year

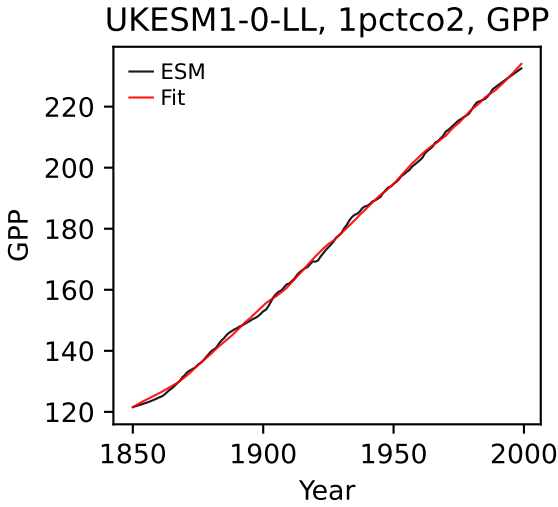

csoil
1840
1820
1800
1780
1850
1900
1950
2000
Year

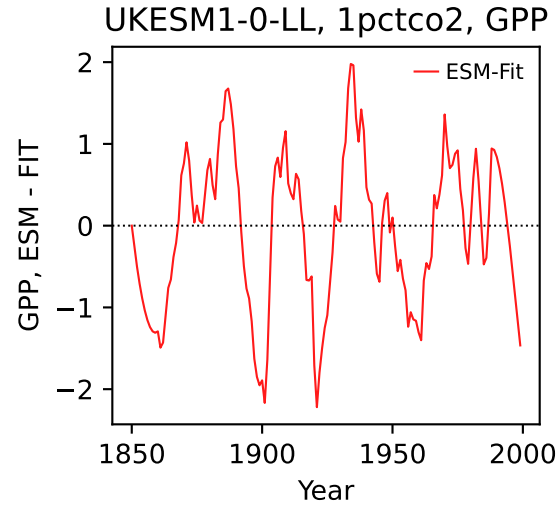

gpp
225
200
175
150
125
1850
1900
1950
2000
Year

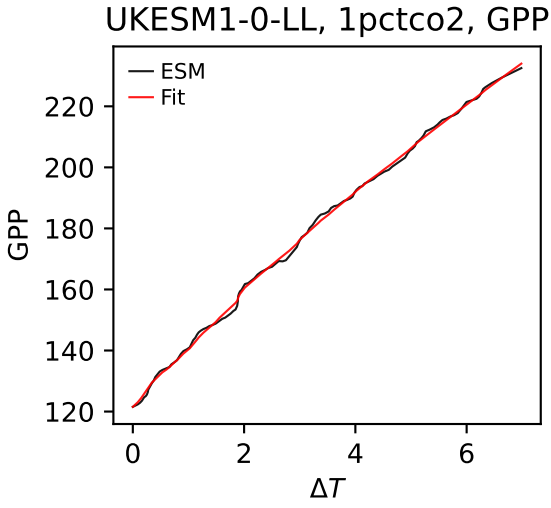

lit
90
80
70
60
1850
1900
1950
2000
Year

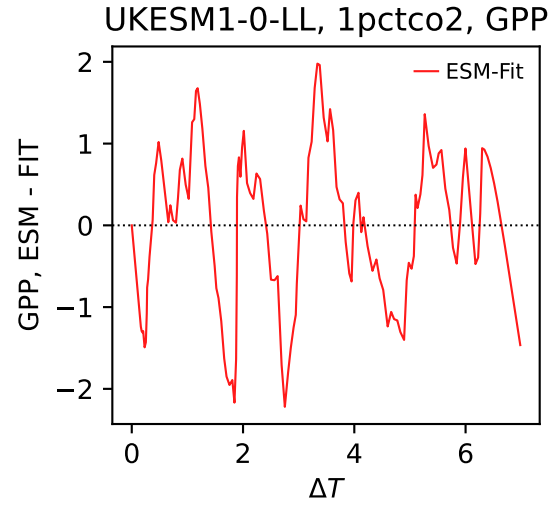

resp
100
90
80
70
60
1850
1900
1950
2000
Year

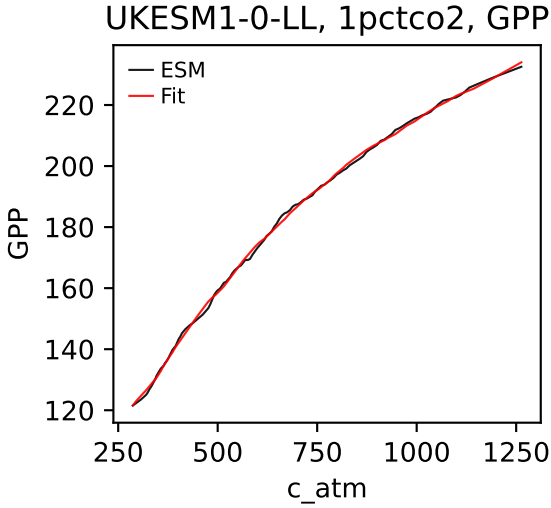

oflux
4
3
2
1
1850
1900
1950
2000
Year

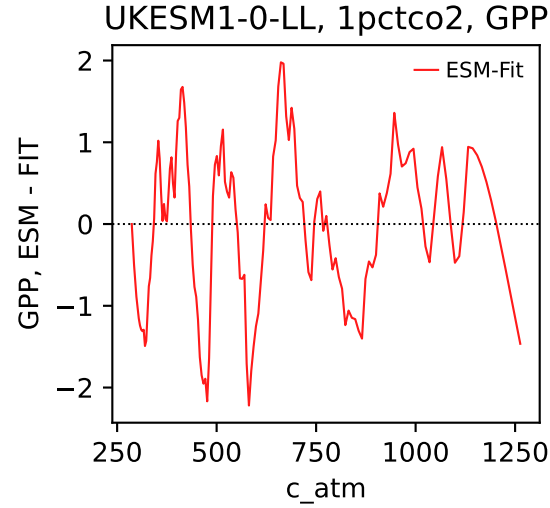

UKESM1-0-LL, 1pctco2, GPP
ESM
Fit
GPP
Year

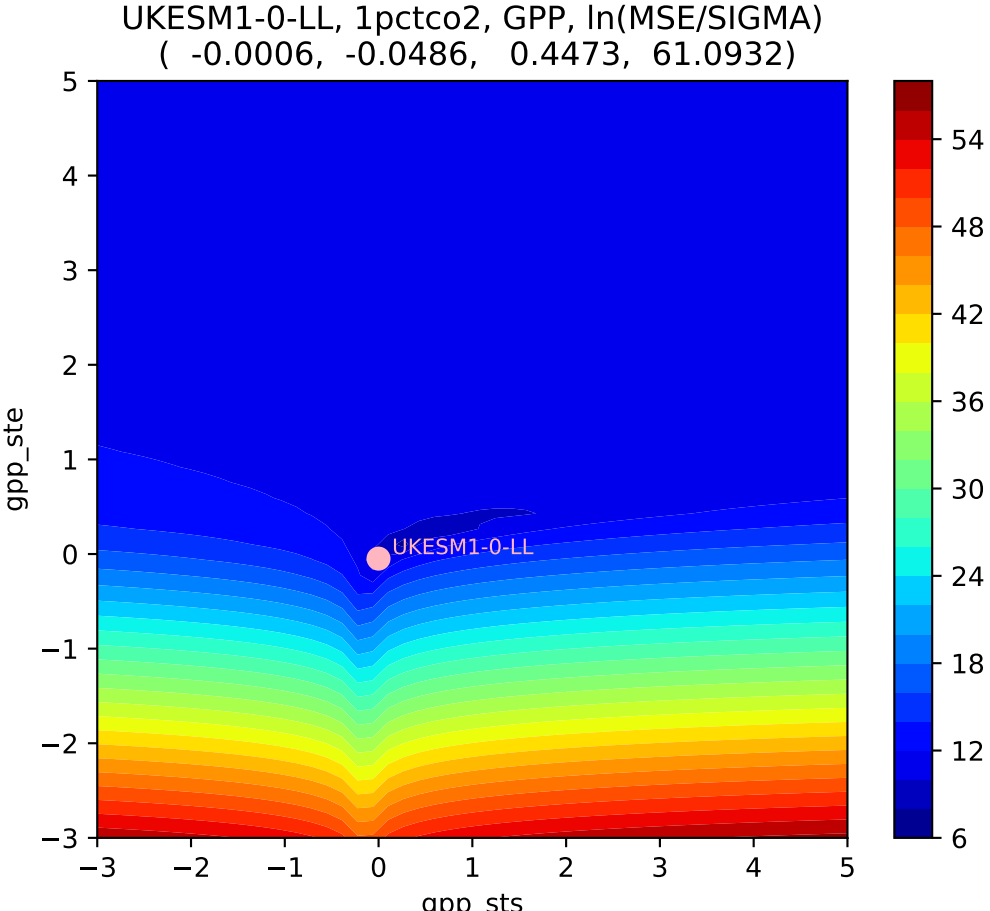

UKESM1-0-LL, 1pctco2, GPP
ESM-Fit
GPP, ESM - FIT
Year

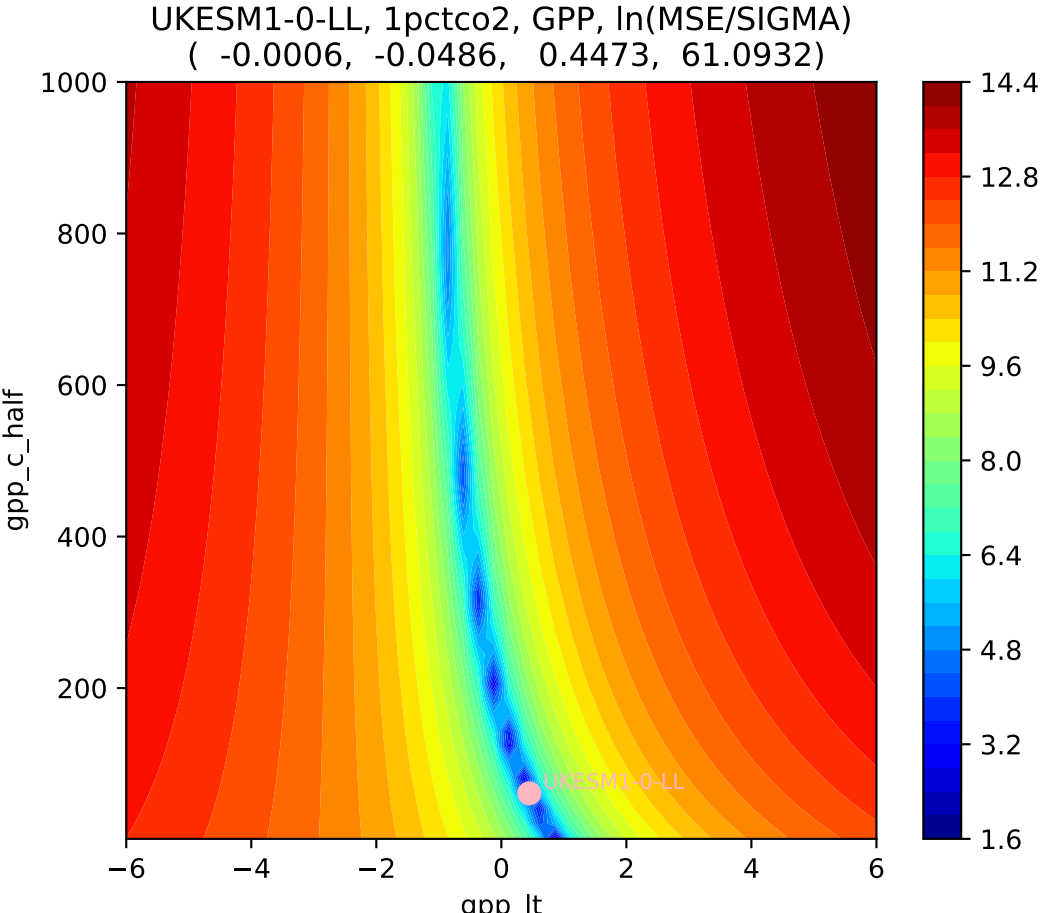

UKESM1-0-LL, 1pctco2, GPP
ESM
Fit
GPP
ΔT

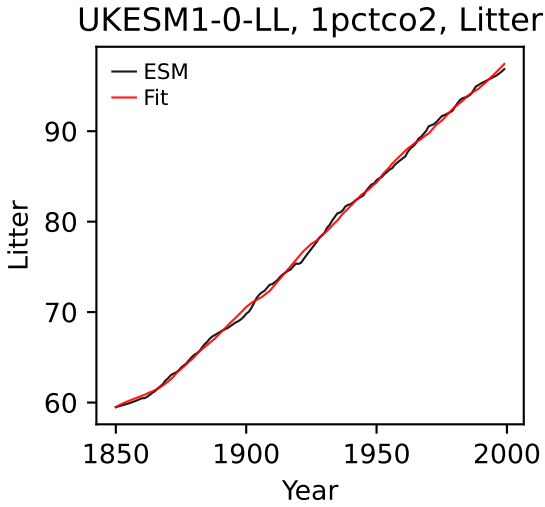

UKESM1-0-LL, 1pctco2, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

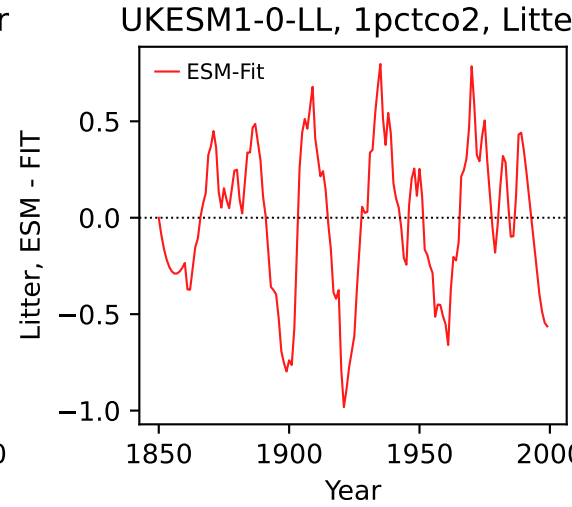

UKESM1-0-LL, 1pctco2, GPP
ESM
Fit
GPP
c_atm

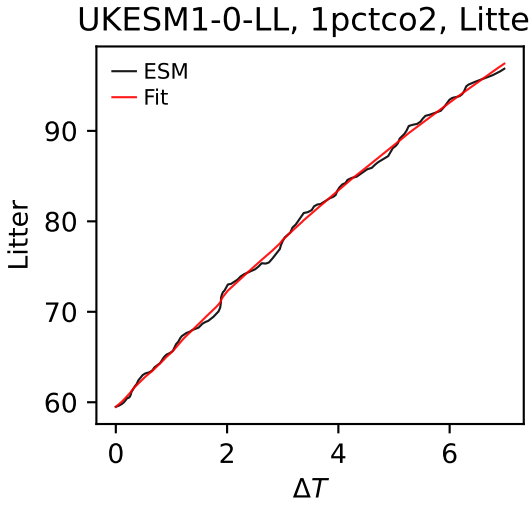

UKESM1-0-LL, 1pctco2, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

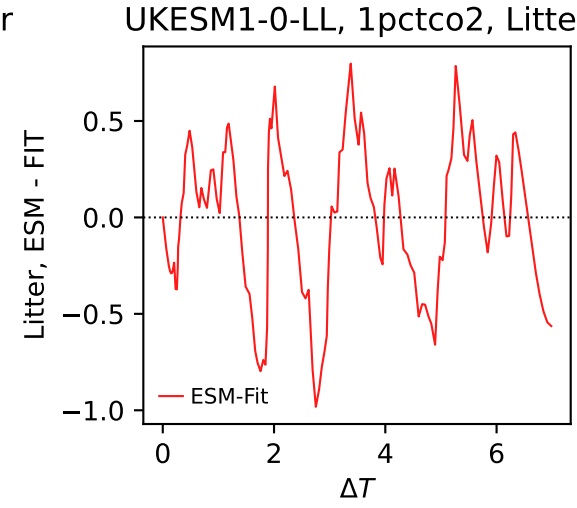

UKESM1-0-LL, 1pctco2, GPP, ln(MSE/SIGMA)
(-0.0006, -0.0486, 0.4473, 61.0932)
gpp_ste
gpp_sts
UKESM1-0-LL
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
54
48
42
36
30
24
18
12
6

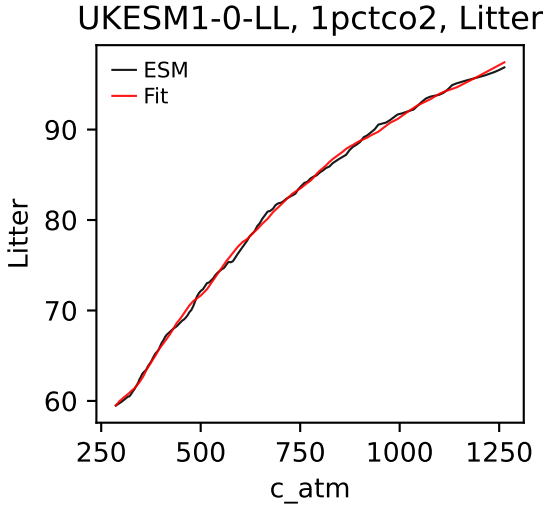

UKESM1-0-LL, 1pctco2, GPP, ln(MSE/SIGMA)
(-0.0006, -0.0486, 0.4473, 61.0932)
1000
800
600
400
200
gpp_c_half
−6
−4
−2
0
2
4
6
gpp_lt
UKESM1-0-LL
14.4
12.8
11.2
9.6
8.0
6.4
4.8
3.2
1.6

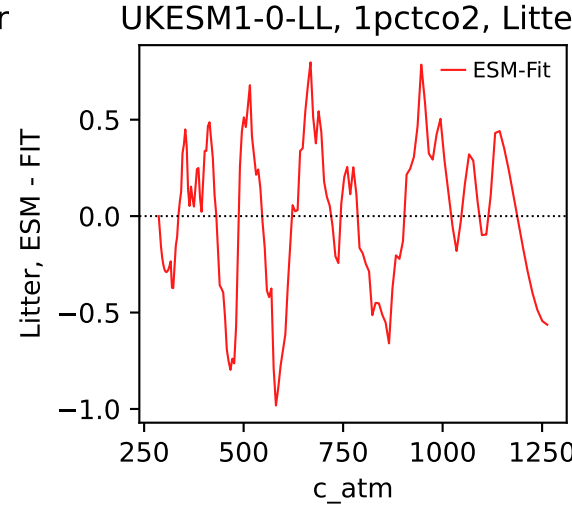

UKESM1-0-LL, 1pctco2, Litter
ESM
Fit
Litter
Year

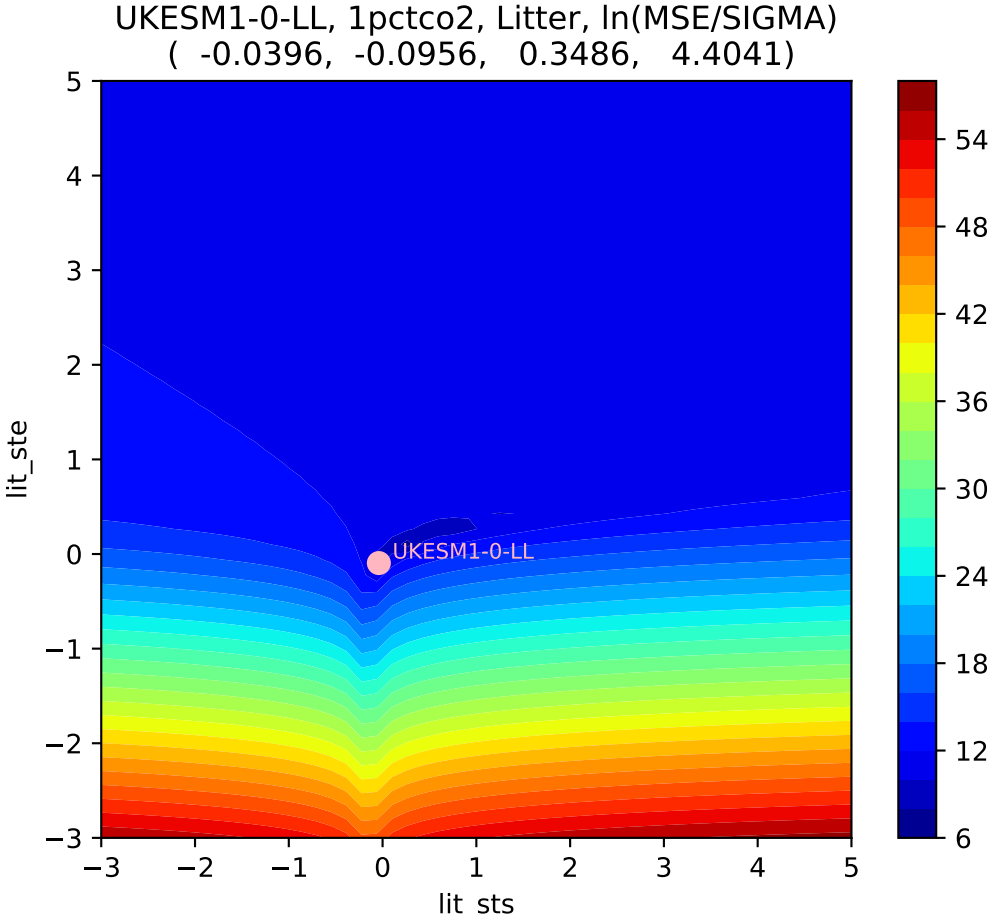

UKESM1-0-LL, 1pctco2, Litter
ESM-Fit
Litter, ESM - FIT
Year

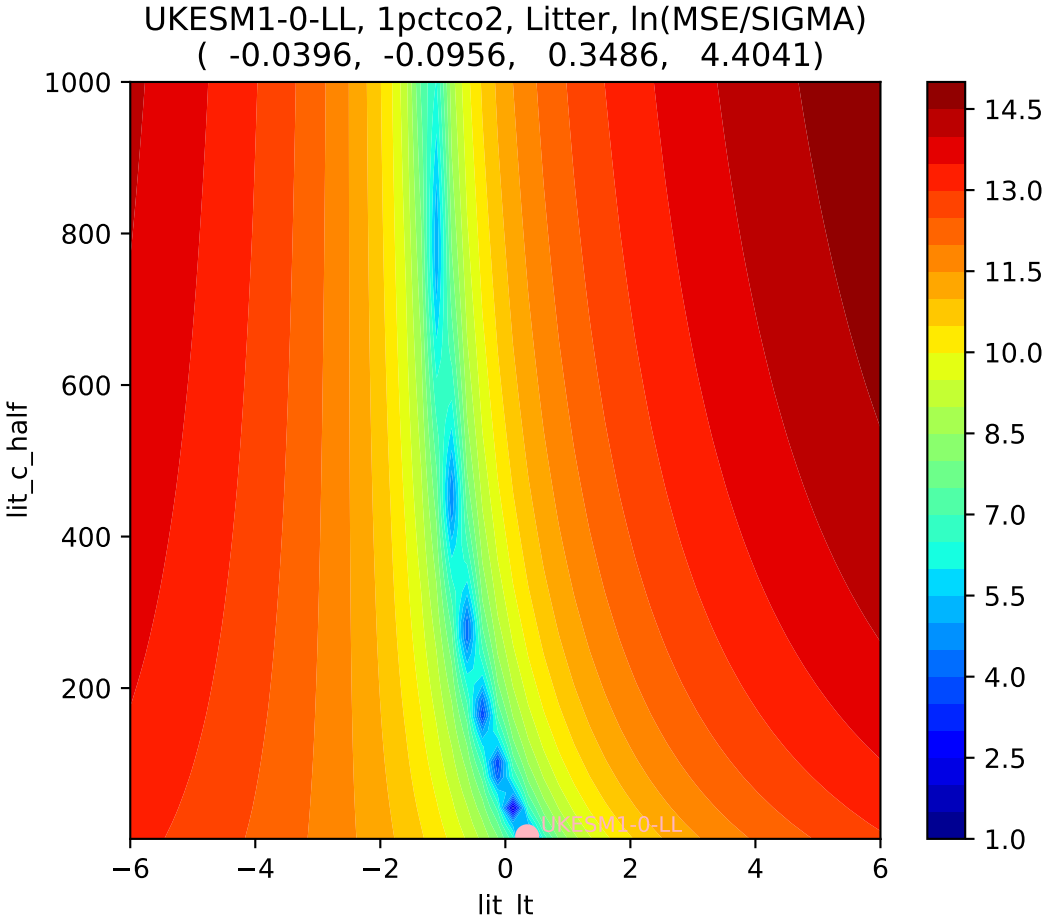

UKESM1-0-LL, 1pctco2, Litter
ESM
Fit
Litter
ΔT

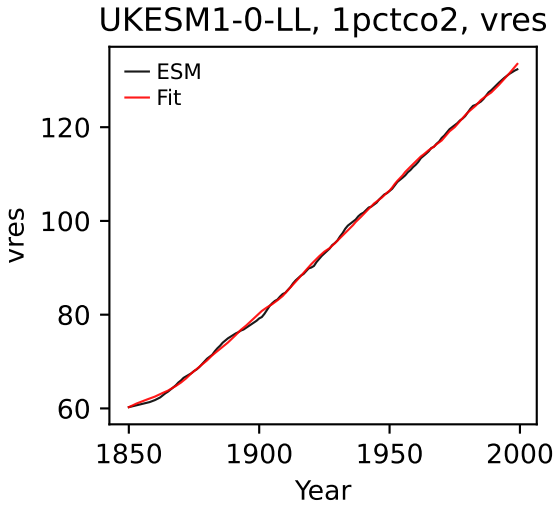

UKESM1-0-LL, 1pctco2, Litter
ESM-Fit
Litter, ESM - FIT
ΔT

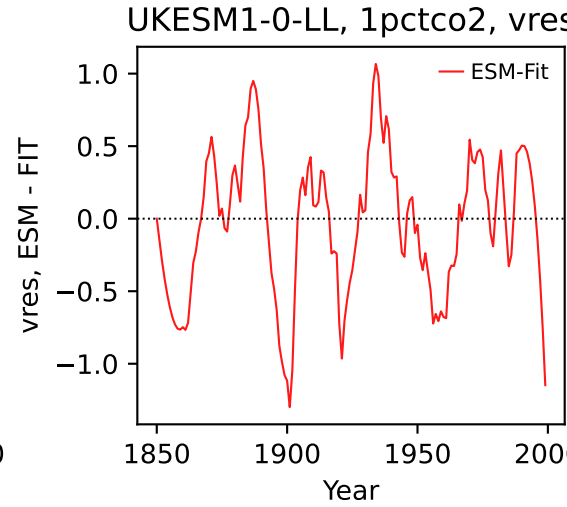

UKESM1-0-LL, 1pctco2, Litter
ESM
Fit
Litter
c_atm

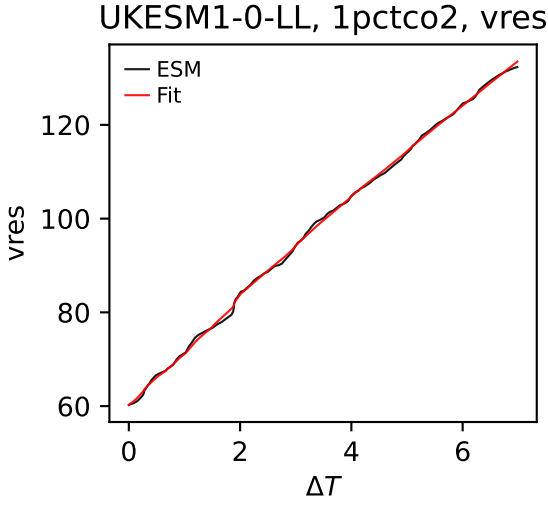

UKESM1-0-LL, 1pctco2, Litter
ESM-Fit
Litter, ESM - FIT
c_atm

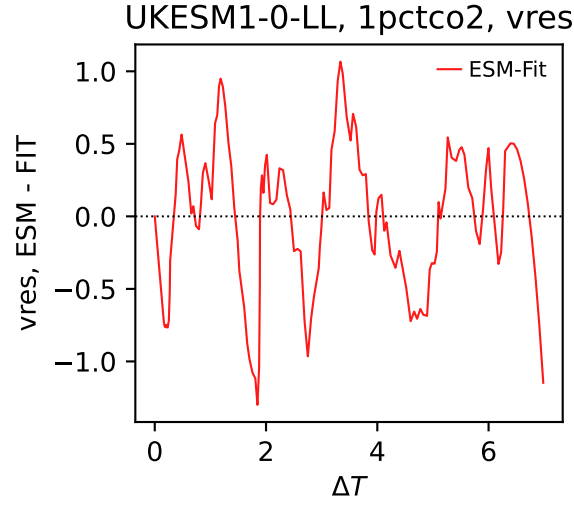

UKESM1-0-LL, 1pctco2, Litter, ln(MSE/SIGMA)
(-0.0396, -0.0956, 0.3486, 4.4041)
UKESM1-0-LL
lit_ste
lit_sts
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
54
48
42
36
30
24
18
12
6

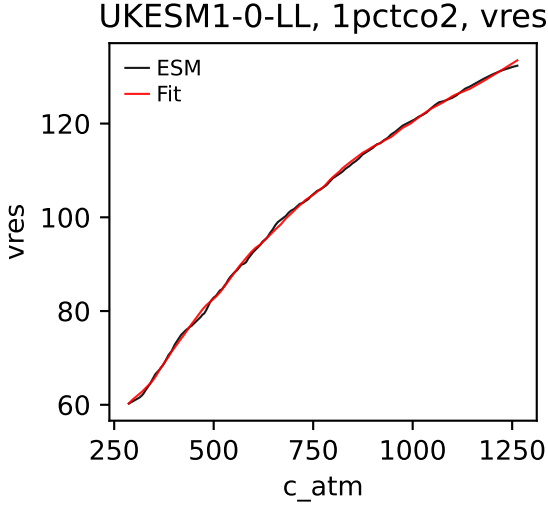

UKESM1-0-LL, 1pctco2, Litter, ln(MSE/SIGMA)
(-0.0396, -0.0956, 0.3486, 4.4041)
1000
800
600
400
200
lit_c_half
−6
−4
−2
0
2
4
6
lit_lt
UKESM1-0-LL
14.5
13.0
11.5
10.0
8.5
7.0
5.5
4.0
2.5
1.0

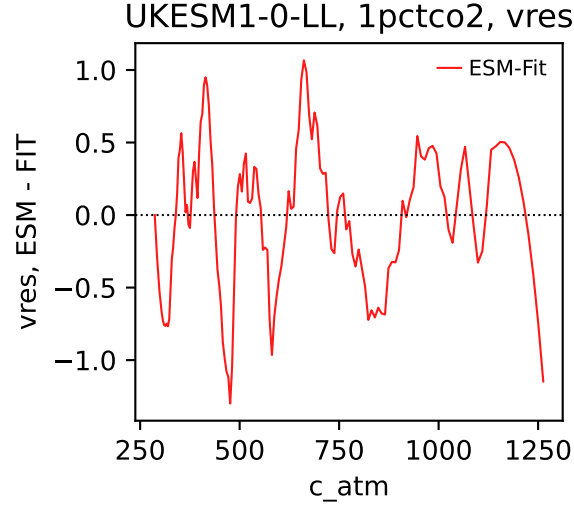

UKESM1-0-LL, 1pctco2, vres
ESM
Fit
vres
Year

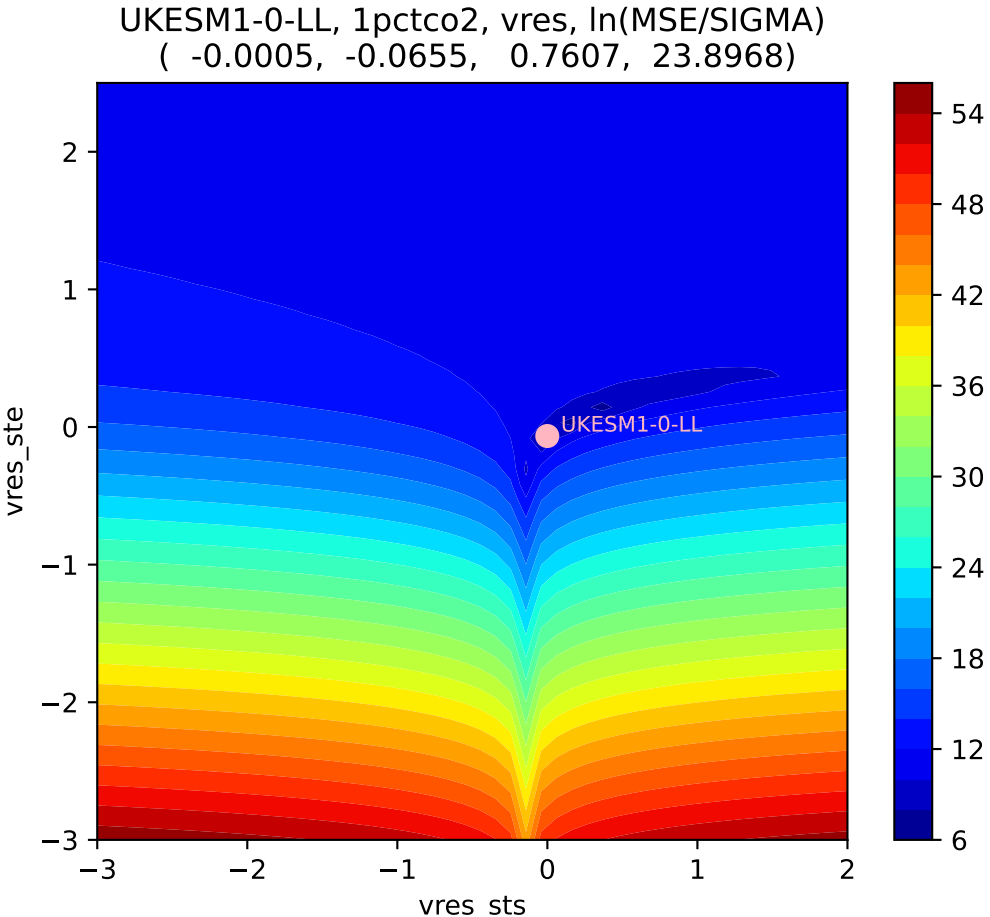

UKESM1-0-LL, 1pctco2, vres
ESM-Fit
vres, ESM - FIT
Year

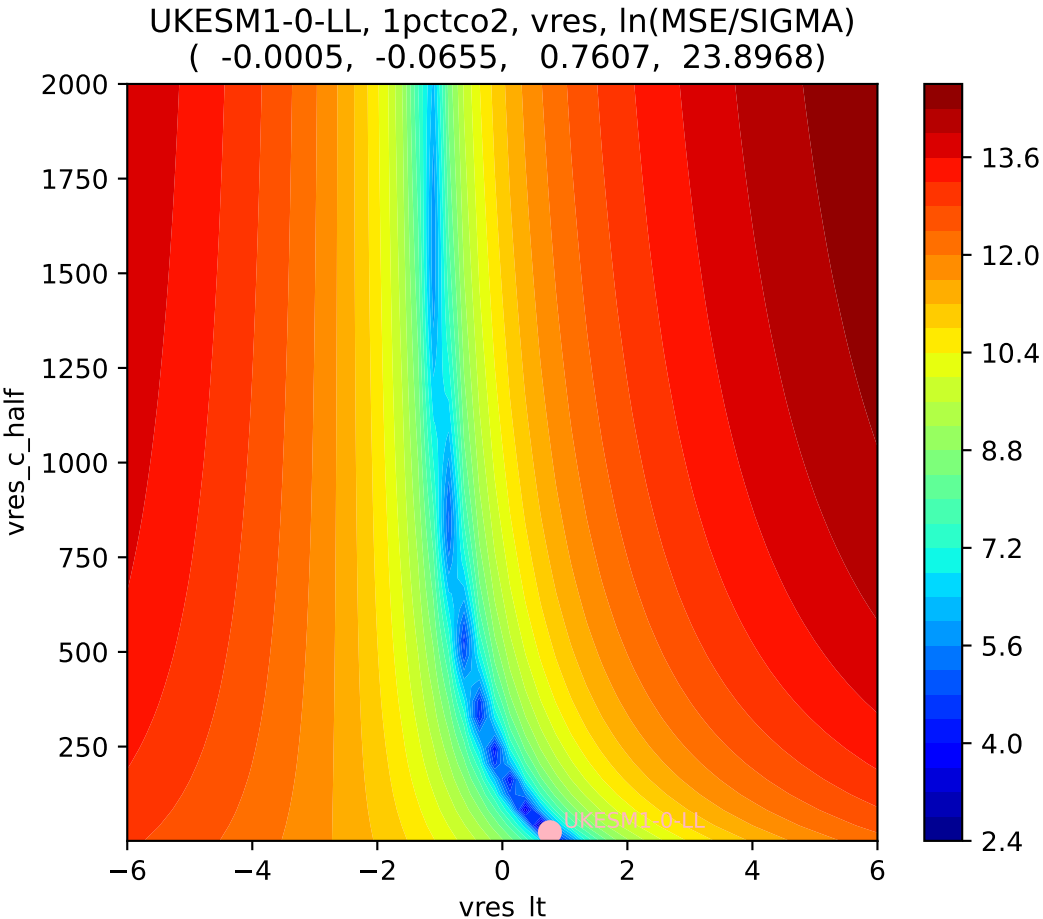

UKESM1-0-LL, 1pctco2, vres
ESM
Fit
vres
ΔT

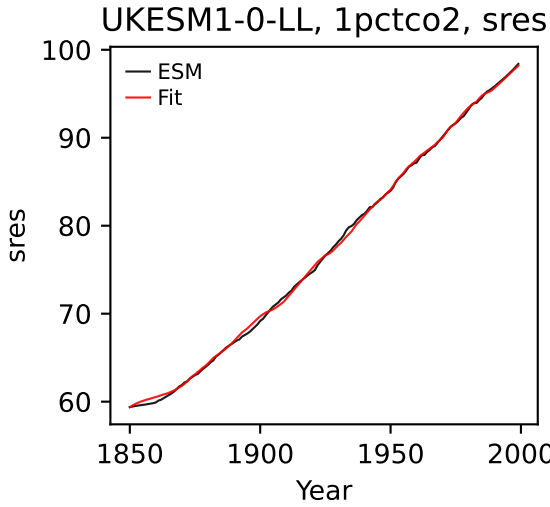

UKESM1-0-LL, 1pctco2, vres
ESM-Fit
vres, ESM - FIT
ΔT

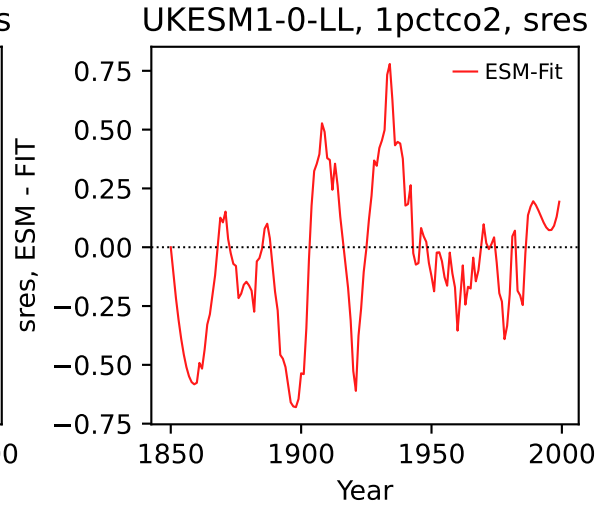

UKESM1-0-LL, 1pctco2, vres
ESM
Fit
vres
c_atm

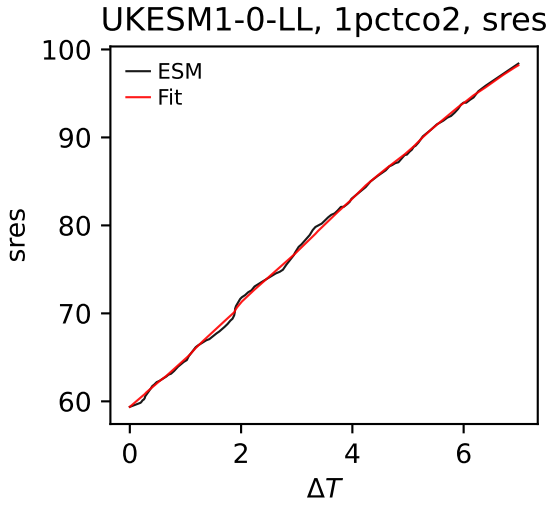

UKESM1-0-LL, 1pctco2, vres
ESM-Fit
vres, ESM - FIT
c_atm

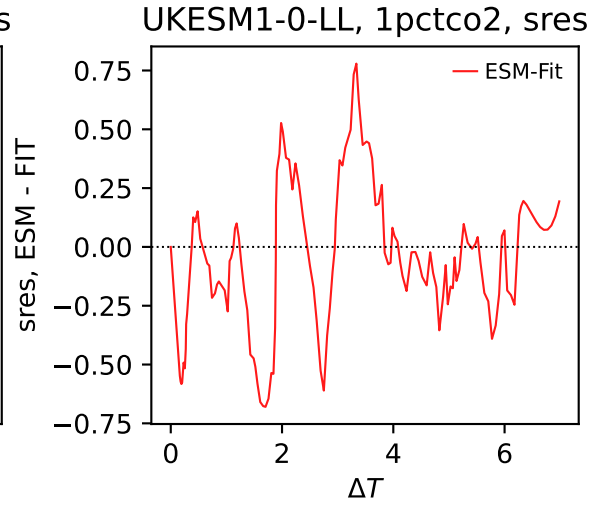

UKESM1-0-LL, 1pctco2, vres, ln(MSE/SIGMA)
(-0.0005, -0.0655, 0.7607, 23.8968)
UKESM1-0-LL
vres_ste
vres_sts
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
54
48
42
36
30
24
18
12
6

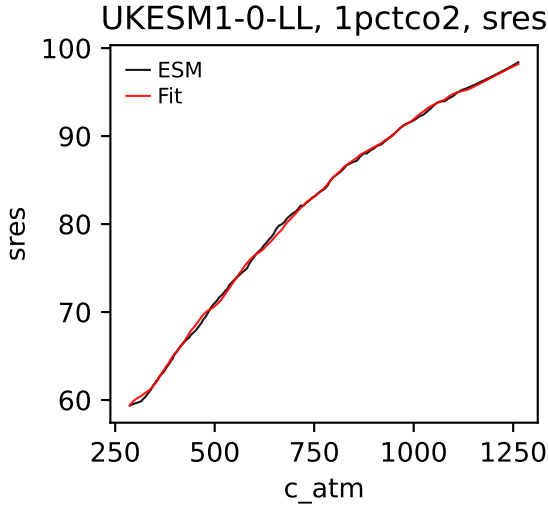

UKESM1-0-LL, 1pctco2, vres, ln(MSE/SIGMA)
(-0.0005, -0.0655, 0.7607, 23.8968)
2000
1750
1500
1250
1000
750
500
250
vres_c_half
−6
−4
−2
0
2
4
6
vres_lt
13.6
12.0
10.4
8.8
7.2
5.6
4.0
2.4
UKESM1-0-LL

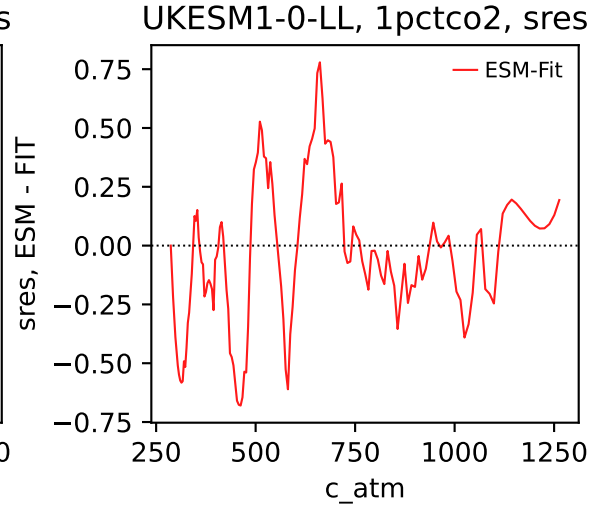

UKESM1-0-LL, 1pctco2, sres
ESM
Fit
sres
Year

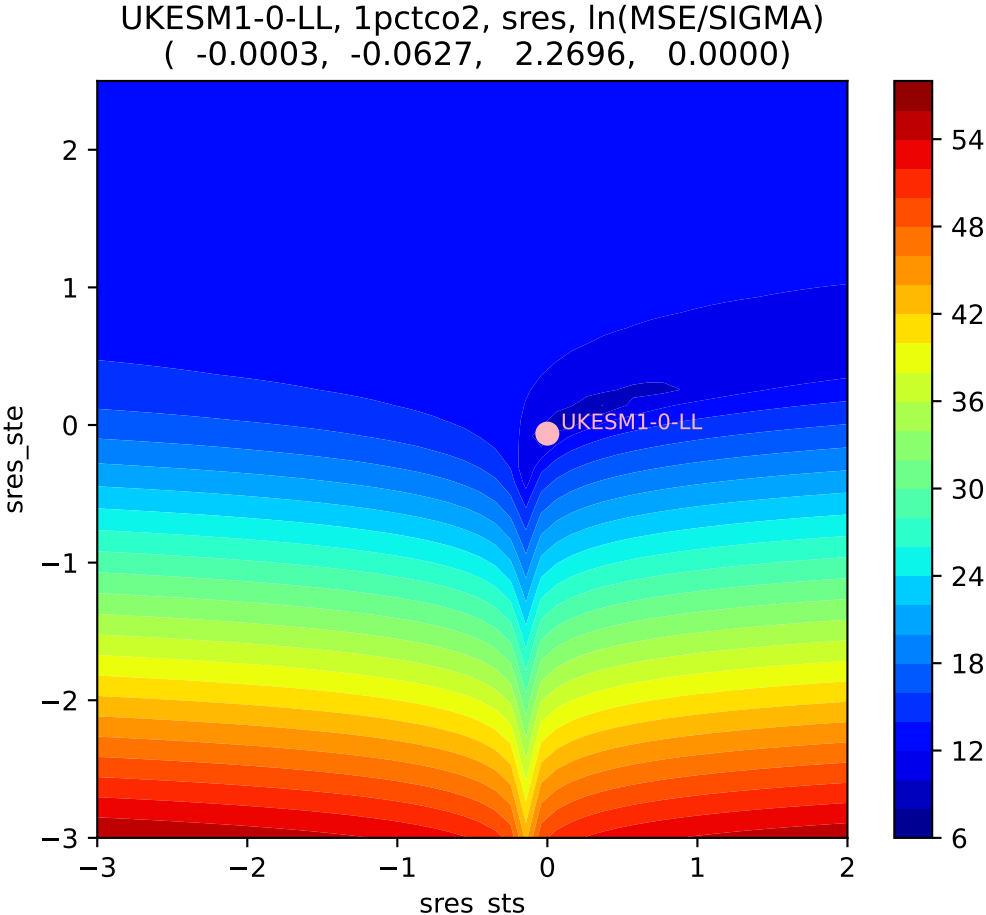

UKESM1-0-LL, 1pctco2, sres
ESM-Fit
sres, ESM - FIT
Year

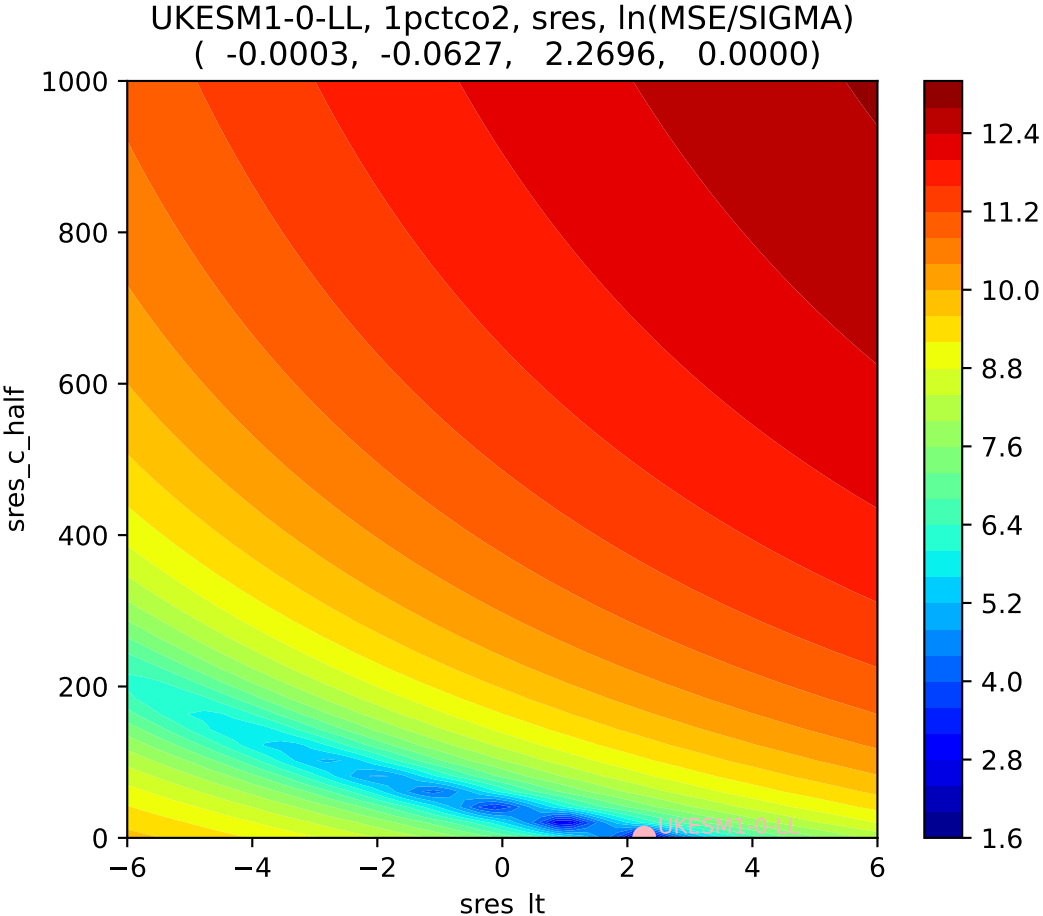

UKESM1-0-LL, 1pctco2, sres
ESM
Fit
sres
ΔT

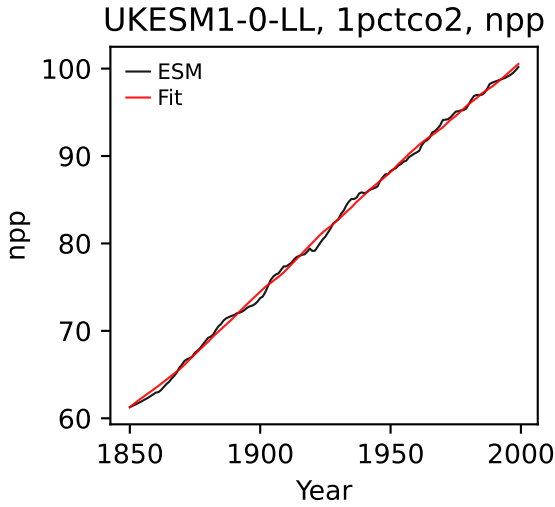

UKESM1-0-LL, 1pctco2, sres
ESM-Fit
sres, ESM - FIT
ΔT

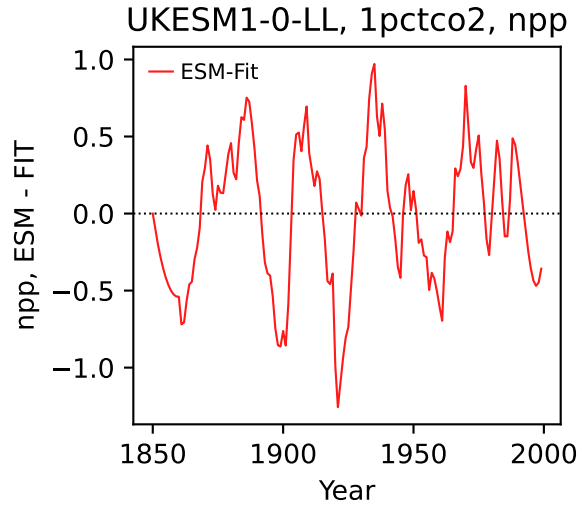

UKESM1-0-LL, 1pctco2, sres
ESM
Fit
sres
c_atm

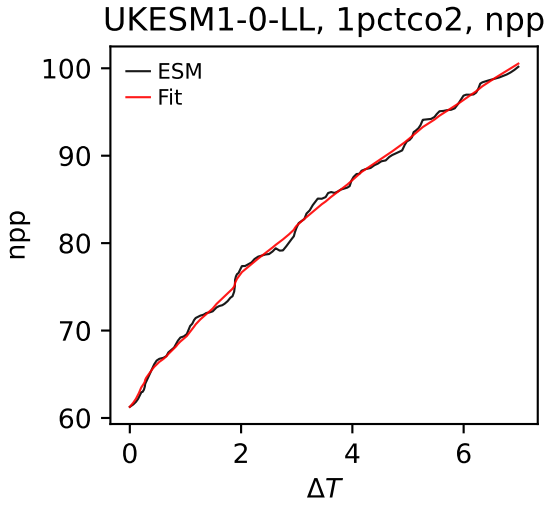

UKESM1-0-LL, 1pctco2, sres
ESM-Fit
sres, ESM - FIT
c_atm

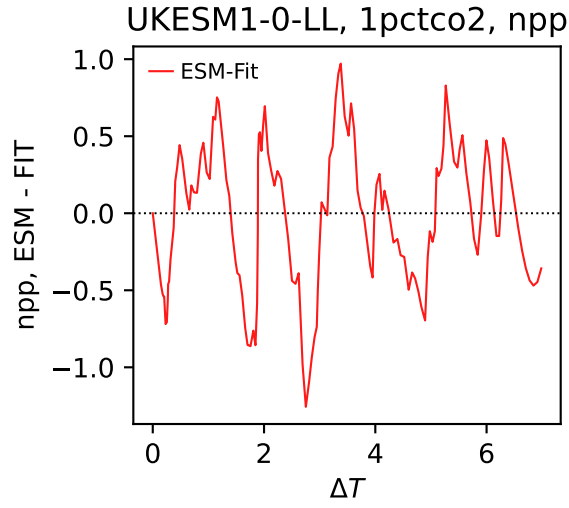

UKESM1-0-LL, 1pctco2, sres, ln(MSE/SIGMA)
(-0.0003, -0.0627, 2.2696, 0.0000)
UKESM1-0-LL
sres_ste
sres_sts
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
54
48
42
36
30
24
18
12
6

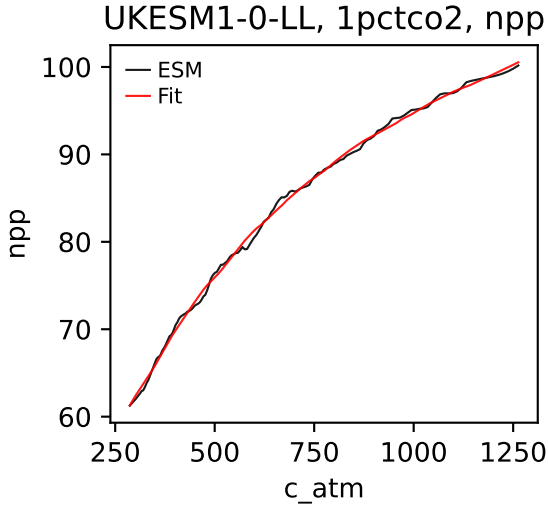

UKESM1-0-LL, 1pctco2, sres, ln(MSE/SIGMA)
(-0.0003, -0.0627, 2.2696, 0.0000)
1000
800
600
400
200
0
sres_c_half
−6
−4
−2
0
2
4
6
sres_lt
12.4
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6
UKESM1-0-LL

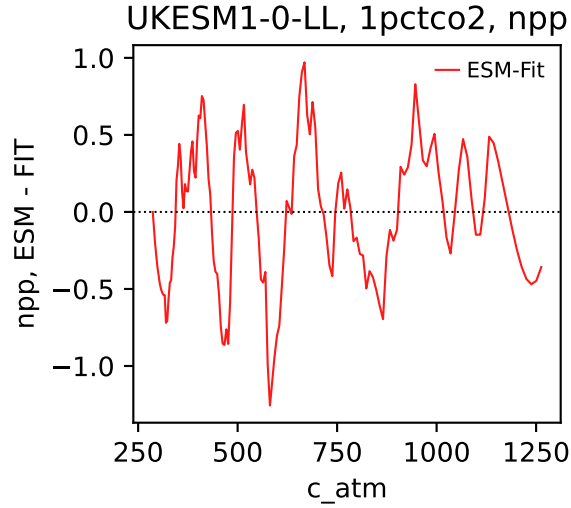

UKESM1-0-LL, 1pctco2, npp
ESM
Fit
npp
Year

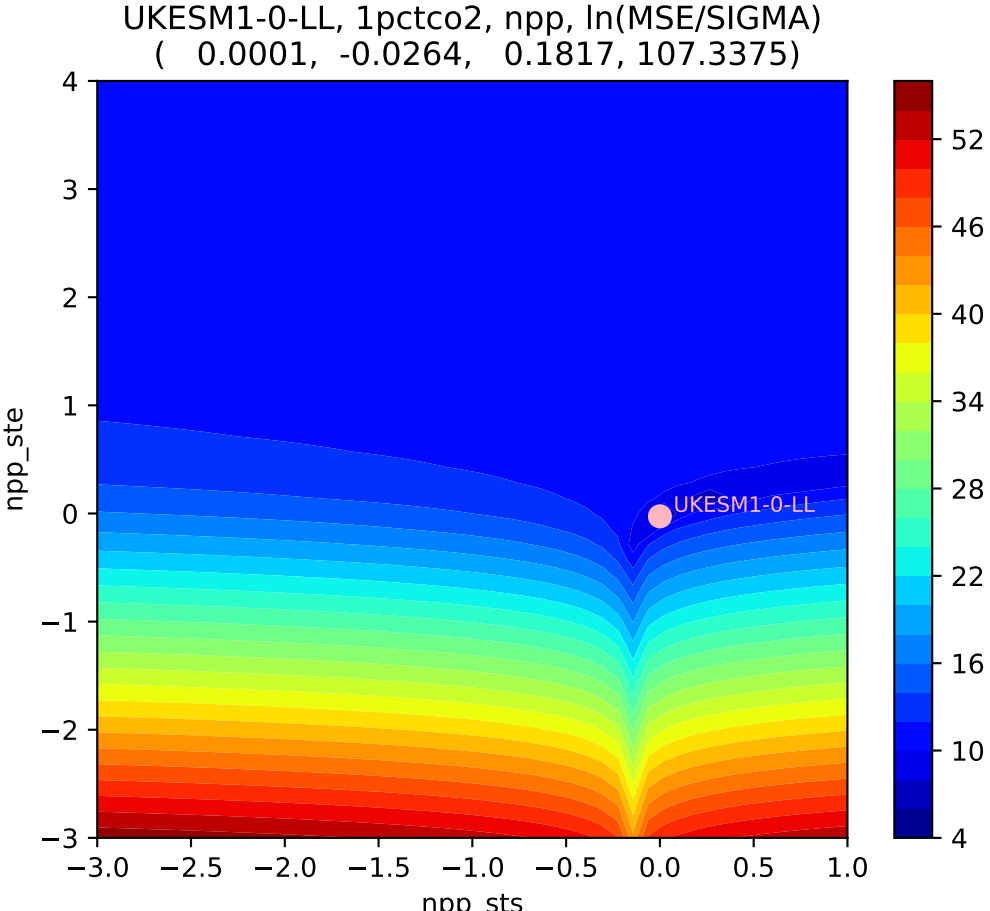

UKESM1-0-LL, 1pctco2, npp
ESM-Fit
npp, ESM - FIT
Year

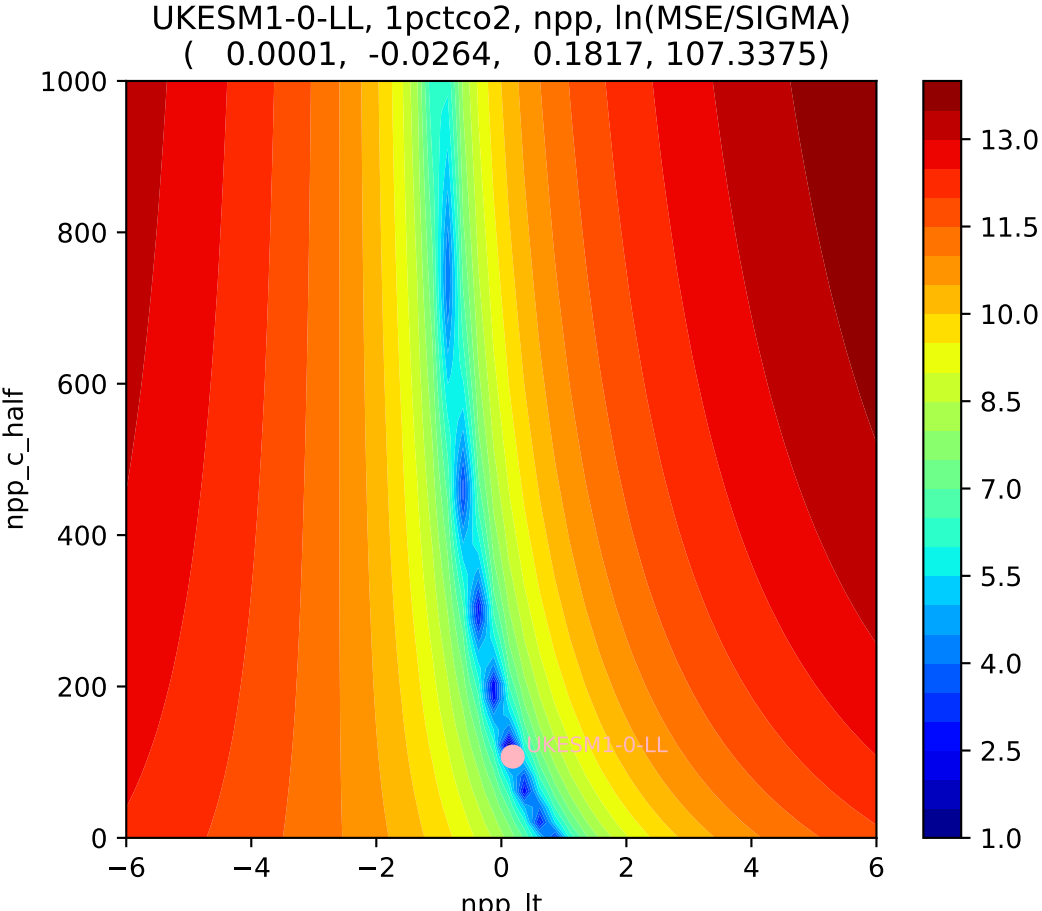

UKESM1-0-LL, 1pctco2, npp
ESM
Fit
npp
ΔT

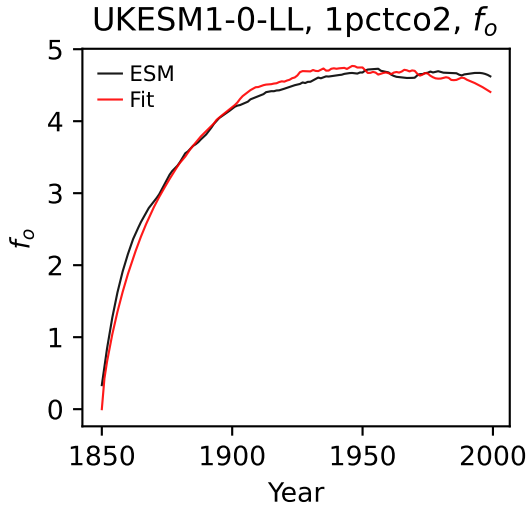

UKESM1-0-LL, 1pctco2, npp
ESM-Fit
npp, ESM - FIT
ΔT

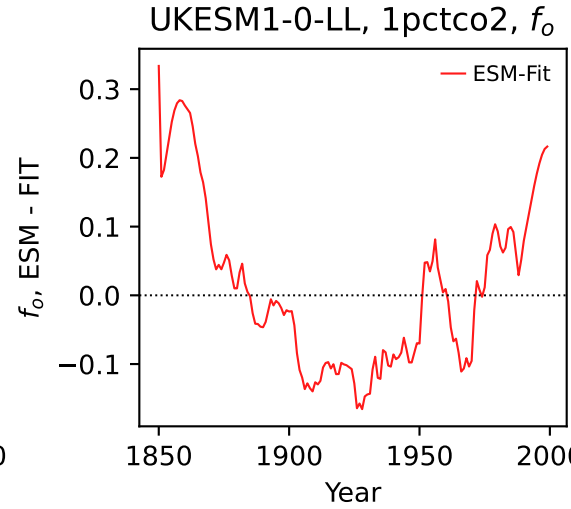

UKESM1-0-LL, 1pctco2, npp
ESM
Fit
npp
c_atm

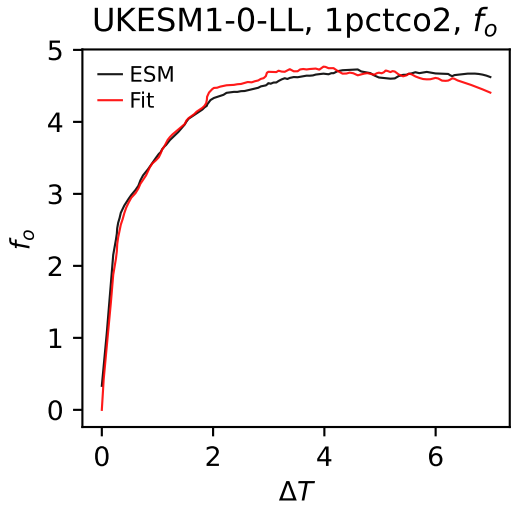

UKESM1-0-LL, 1pctco2, npp
ESM-Fit
npp, ESM - FIT
c_atm

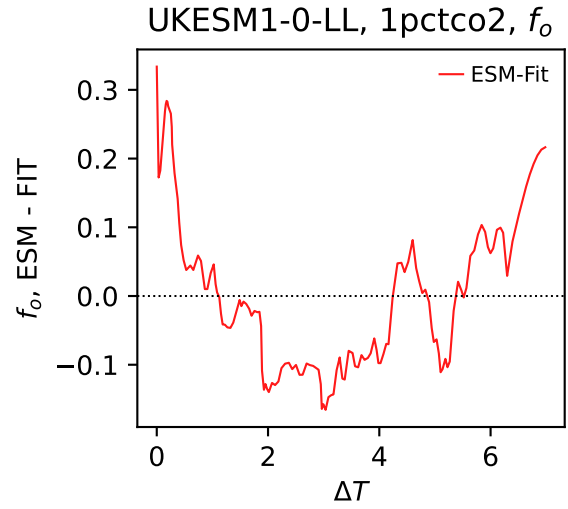

UKESM1-0-LL, 1pctco2, npp, ln(MSE/SIGMA)
(0.0001, -0.0264, 0.1817, 107.3375)
UKESM1-0-LL
npp_ste
npp_sts
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
52
46
40
34
28
22
16
10
4

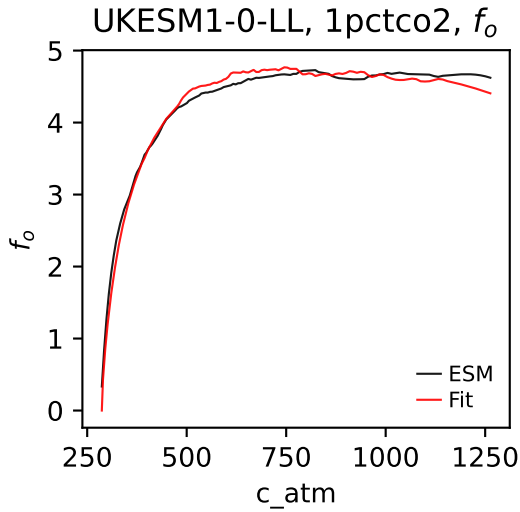

UKESM1-0-LL, 1pctco2, npp, ln(MSE/SIGMA)
(0.0001, -0.0264, 0.1817, 107.3375)
1000
800
600
400
200
0
npp_c_half
−6
−4
−2
0
2
4
6
npp_lt
UKESM1-0-LL
13.0
11.5
10.0
8.5
7.0
5.5
4.0
2.5
1.0

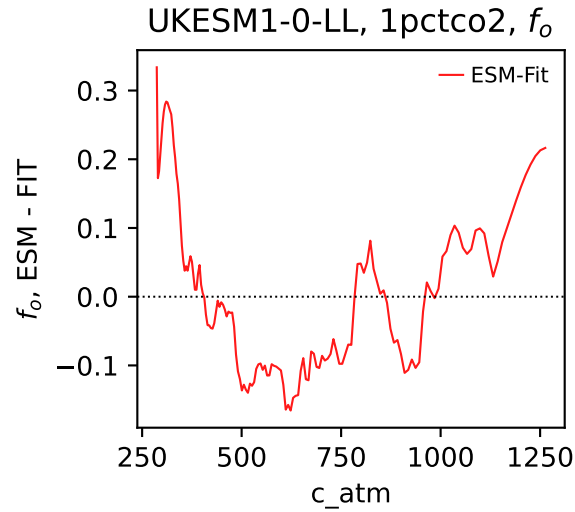

UKESM1-0-LL, 1pctco2, f_o
ESM
Fit
f_o
Year

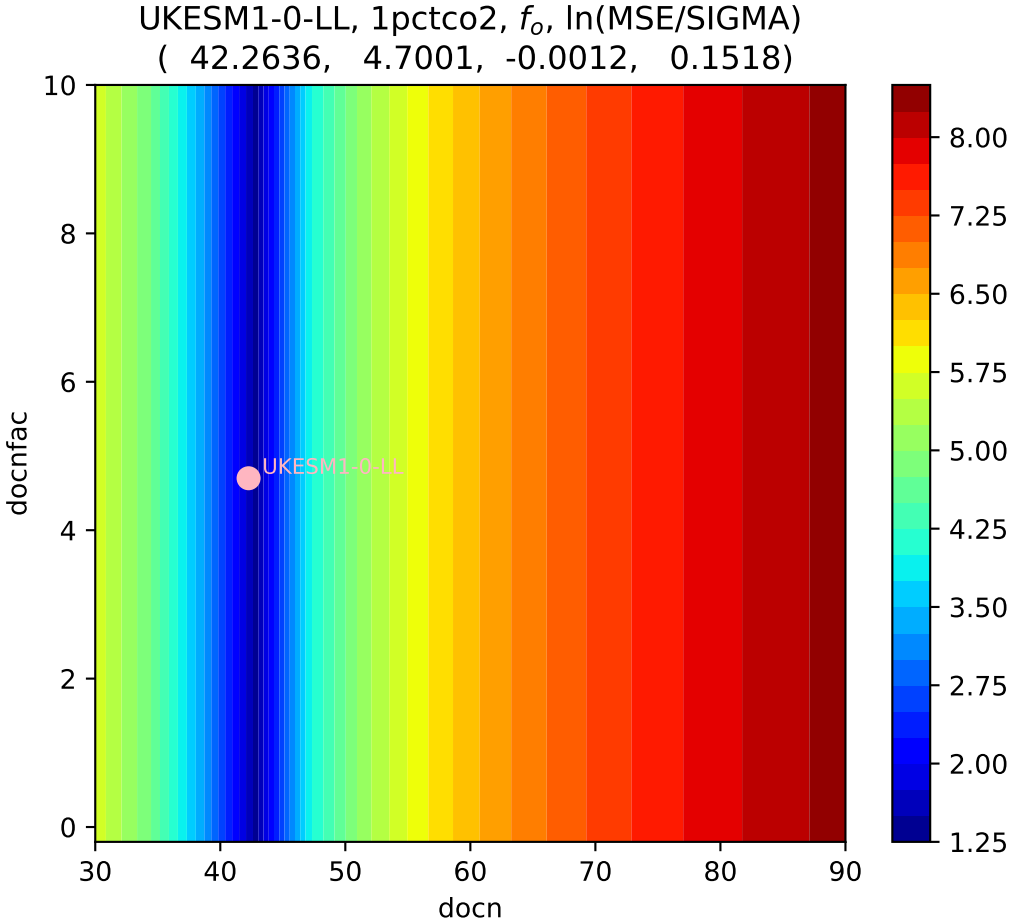

UKESM1-0-LL, 1pctco2, f_o
ESM-Fit
f_o, ESM - FIT
Year

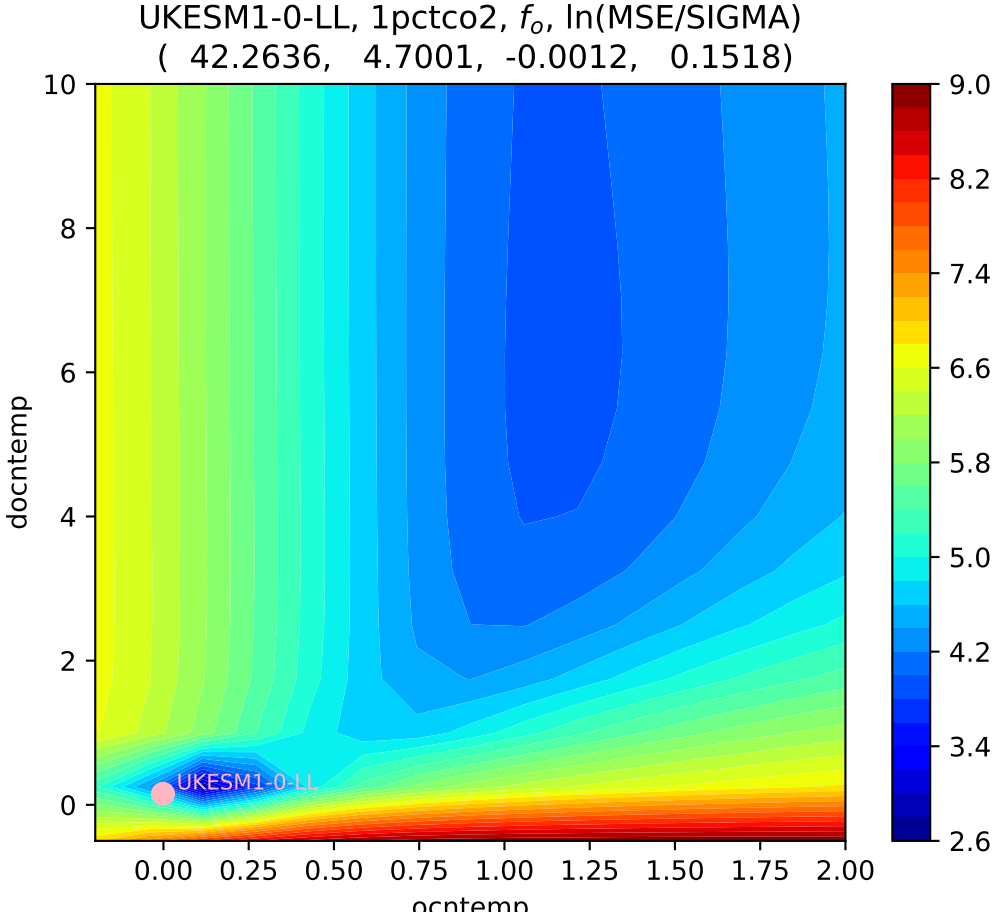

UKESM1-0-LL, 1pctco2, f_o
ESM
Fit
f_o
ΔT


UKESM1-0-LL, 1pctco2, f_o
ESM-Fit
f_o, ESM - FIT
ΔT


UKESM1-0-LL, 1pctco2, f_o
ESM
Fit
f_o
c_atm


UKESM1-0-LL, 1pctco2, f_o
ESM-Fit
f_o, ESM - FIT
c_atm


UKESM1-0-LL, 1pctco2, f_o, ln(MSE/SIGMA)
(42.2636, 4.7001, -0.0012, 0.1518)
UKESM1-0-LL
docnfac
docn
0
2
4
6
8
10
30
40
50
60
70
80
90
8.00
7.25
6.50
5.75
5.00
4.25
3.50
2.75
2.00
1.25


UKESM1-0-LL, 1pctco2, f_o, ln(MSE/SIGMA)
(42.2636, 4.7001, -0.0012, 0.1518)
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
9.0
8.2
7.4
6.6
5.8
5.0
4.2
3.4
2.6