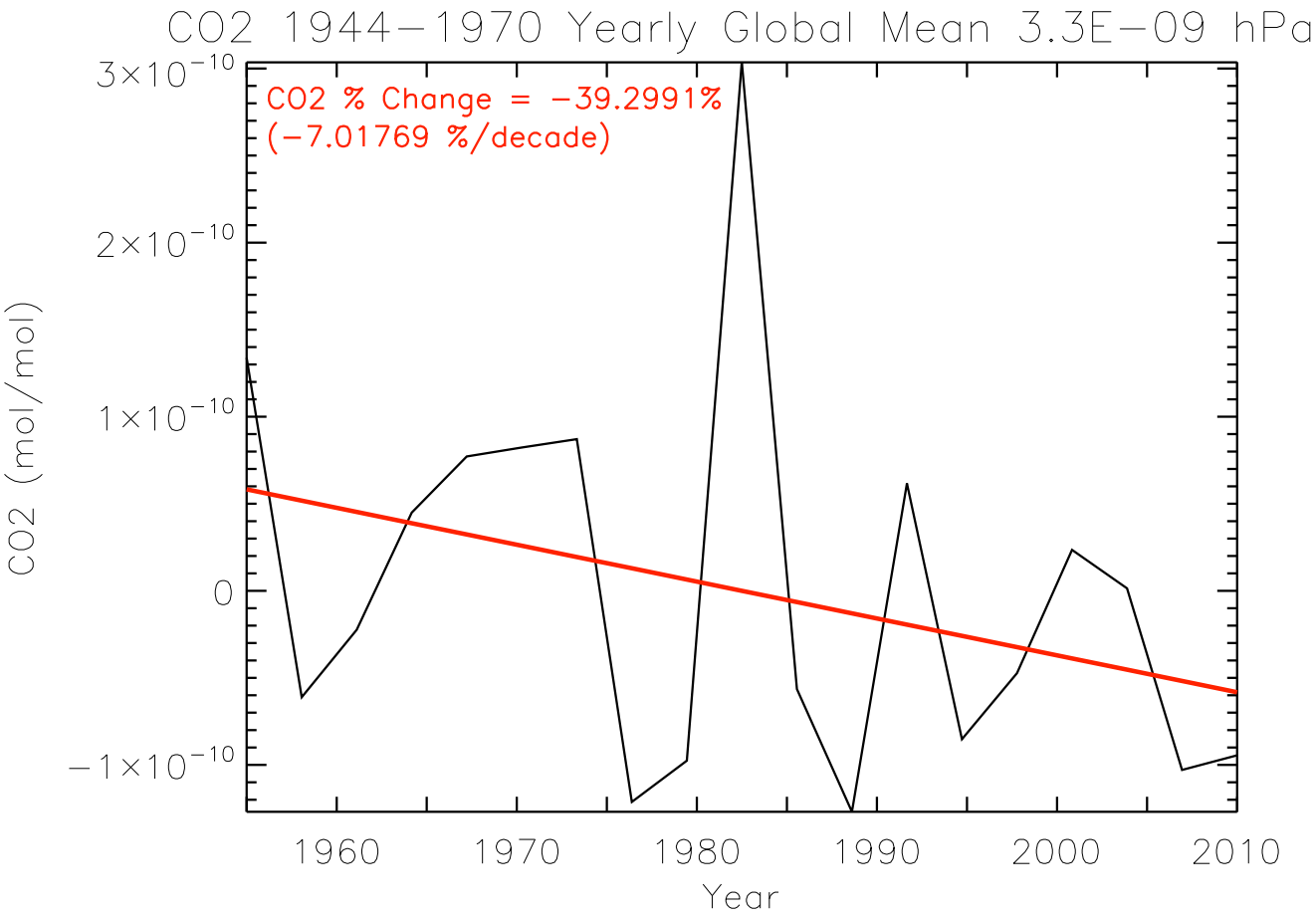
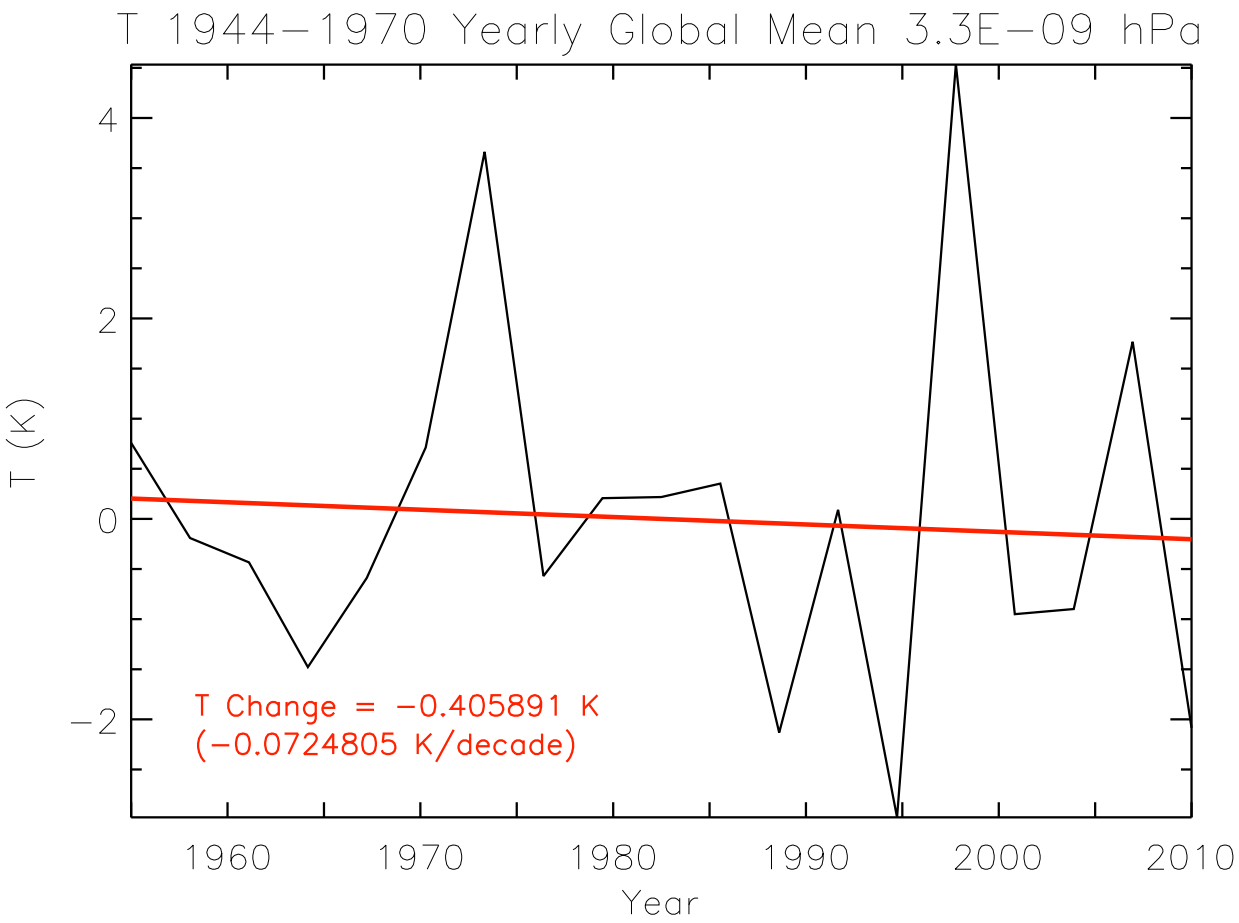
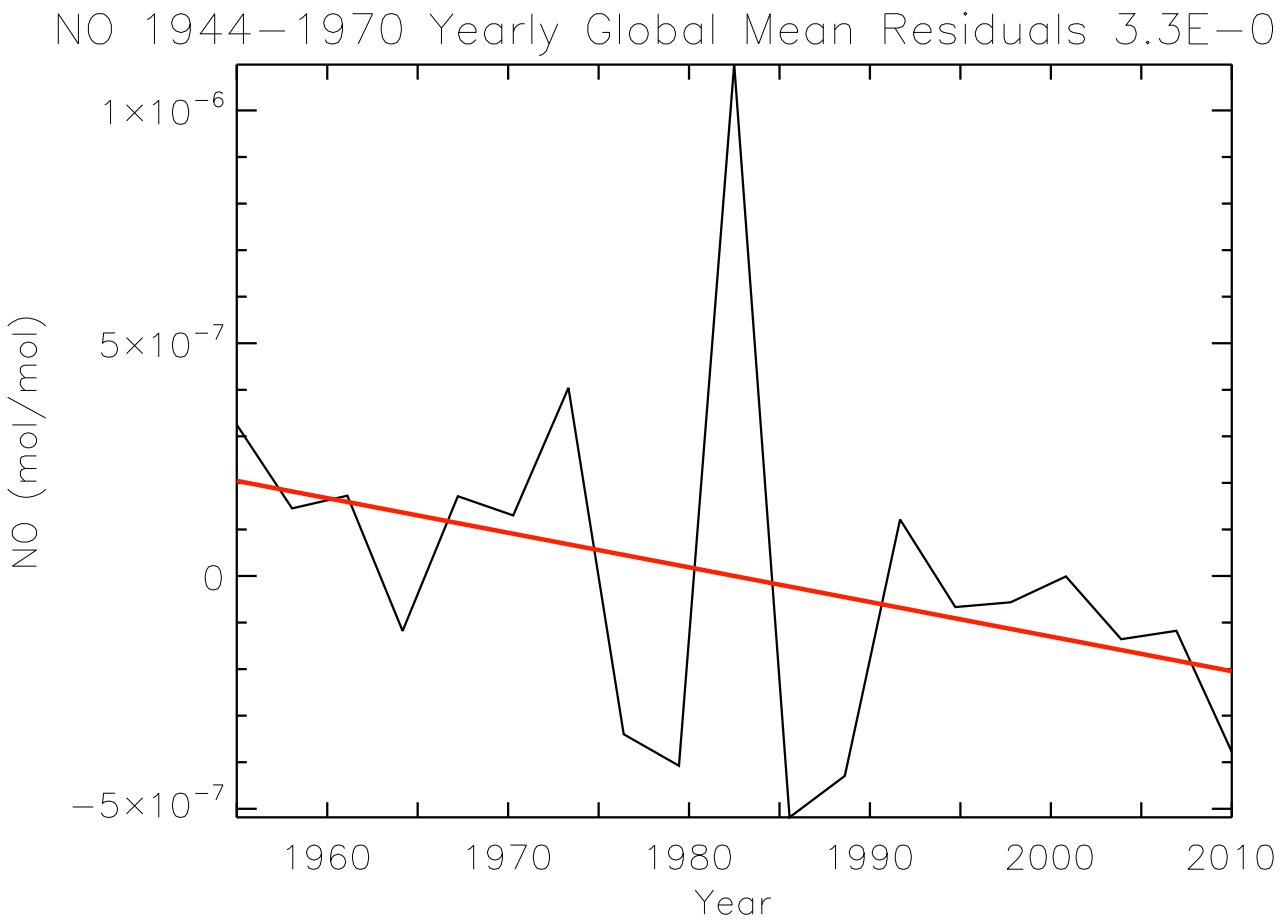
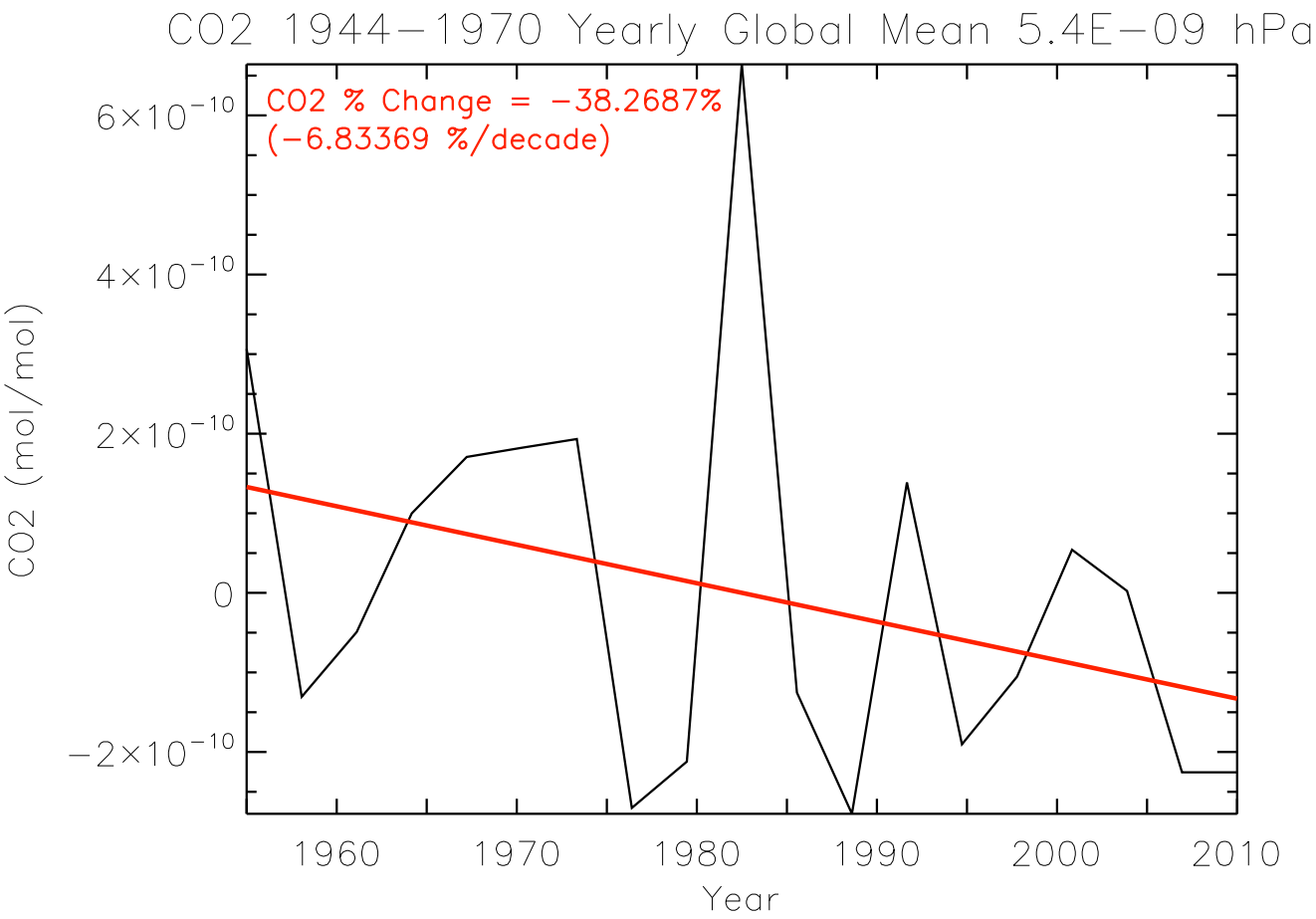
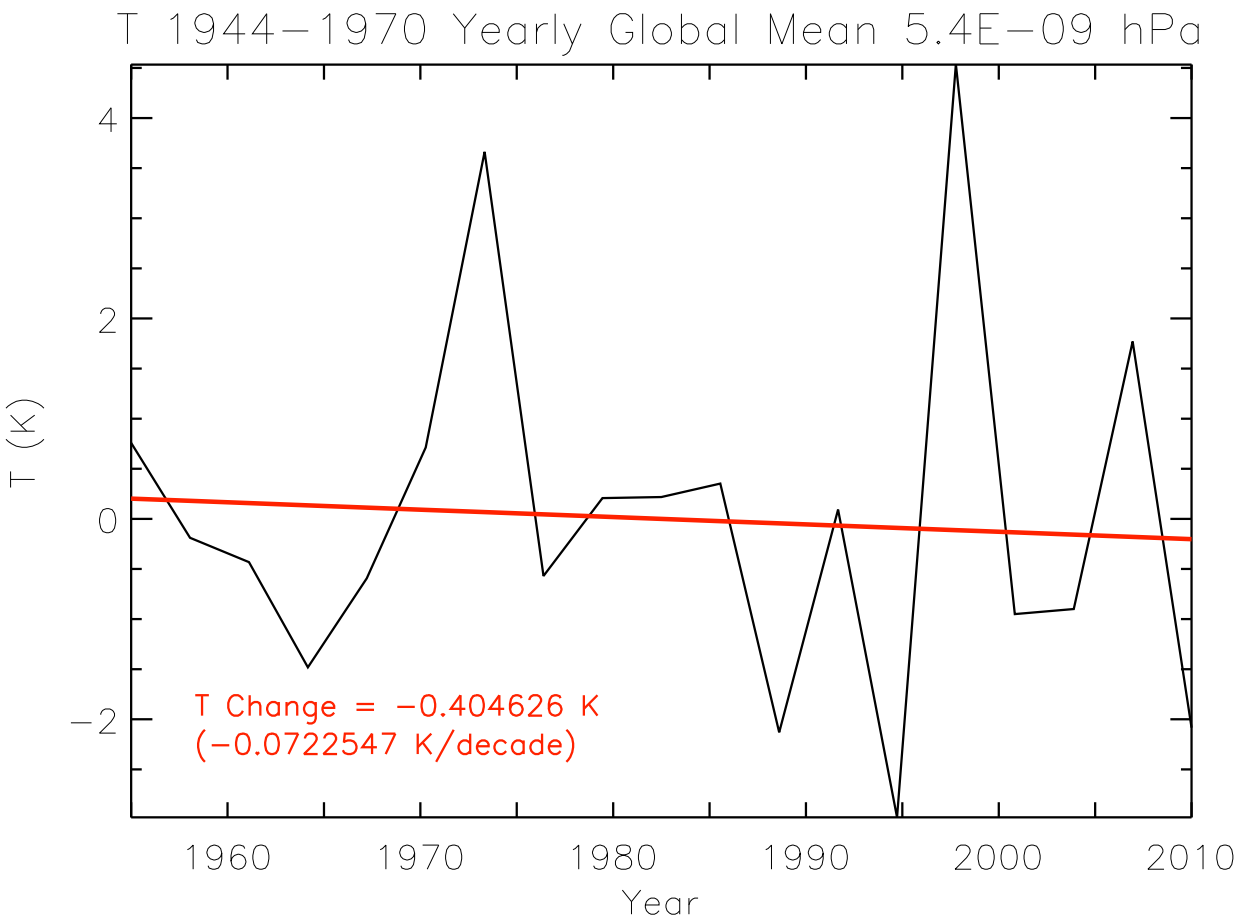
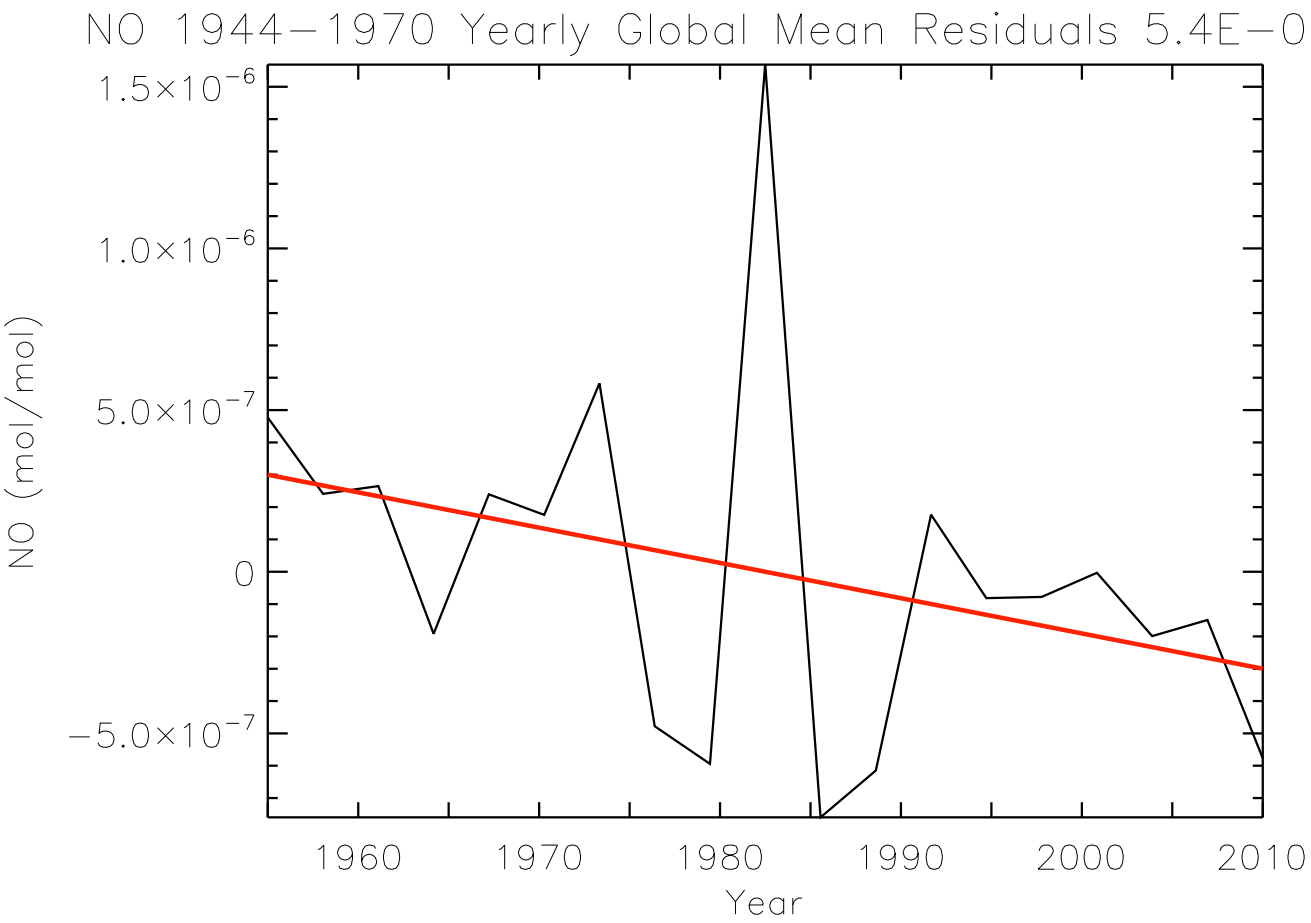

CO2 1944–1970 Yearly Global Mean 3.3E–09 hPa
CO2 % Change = –39.2991%
(–7.01769 %/decade)
3×10⁻¹⁰
2×10⁻¹⁰
1×10⁻¹⁰
0
–1×10⁻¹⁰
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

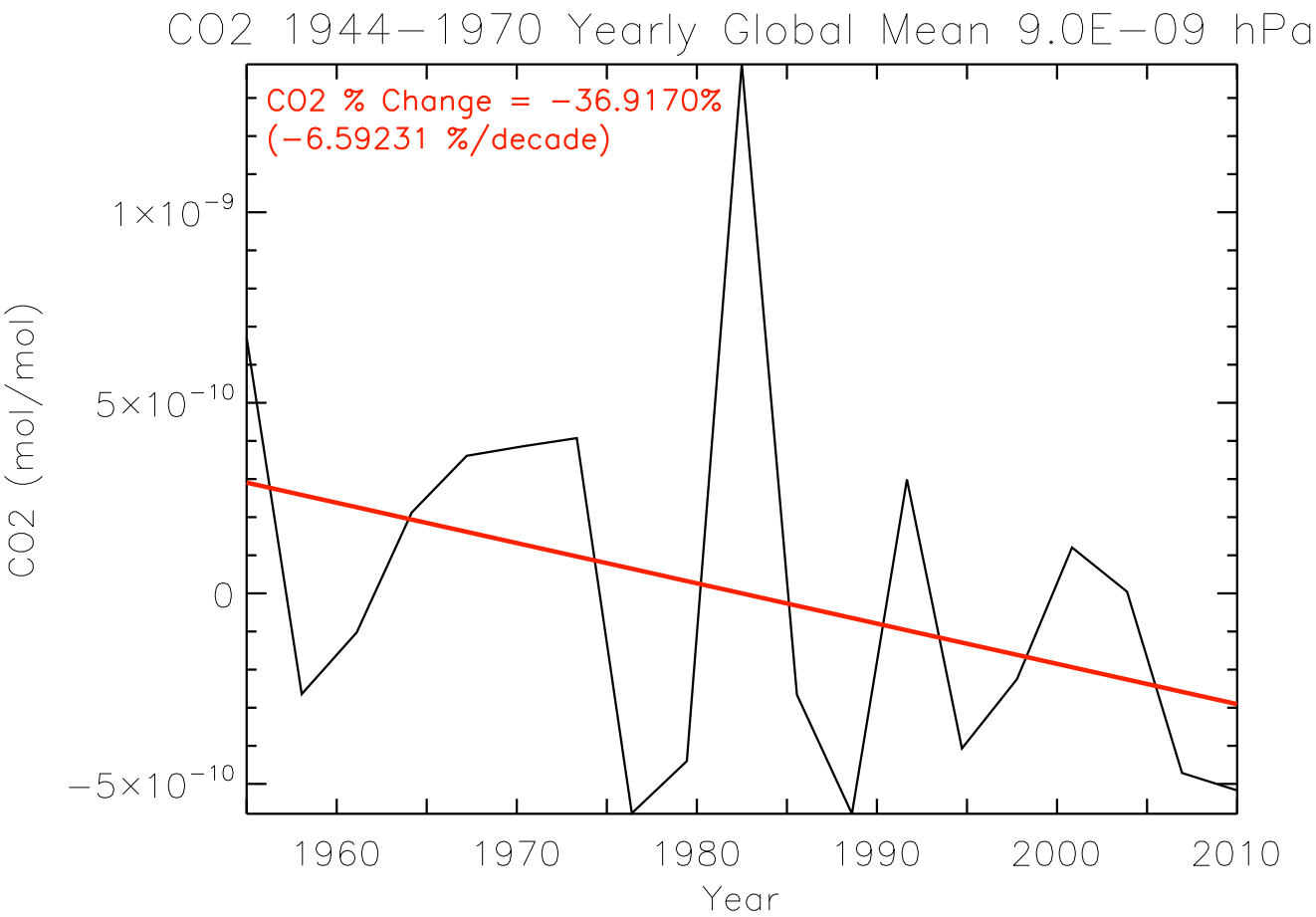

T 1944–1970 Yearly Global Mean 3.3E–09 hPa
T (K)
4
2
0
–2
T Change = –0.405891 K
(–0.0724805 K/decade)
1960
1970
1980
1990
2000
2010
Year

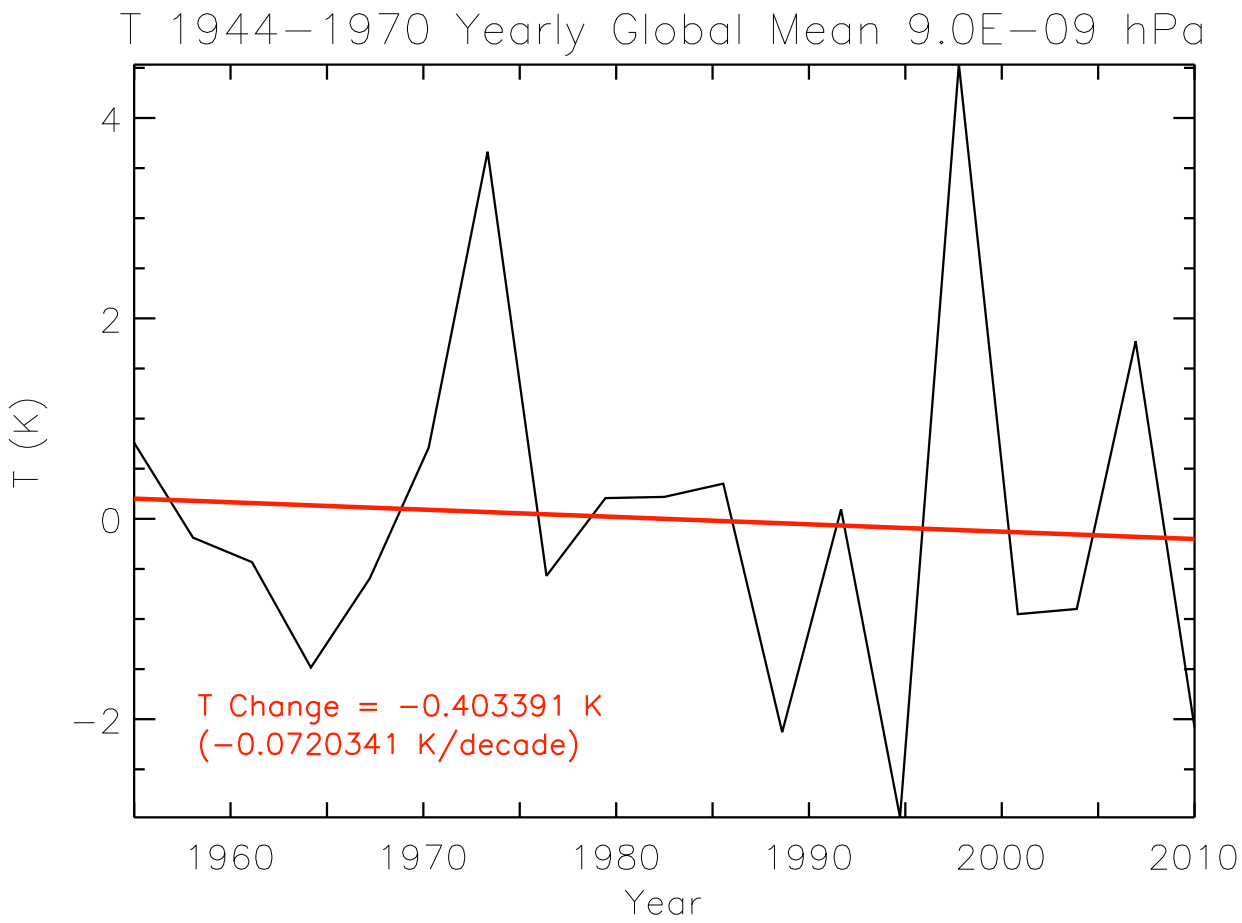

NO 1944–1970 Yearly Global Mean Residuals 3.3E–09 hPa
1×10⁻⁶
5×10⁻⁷
0
−5×10⁻⁷
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

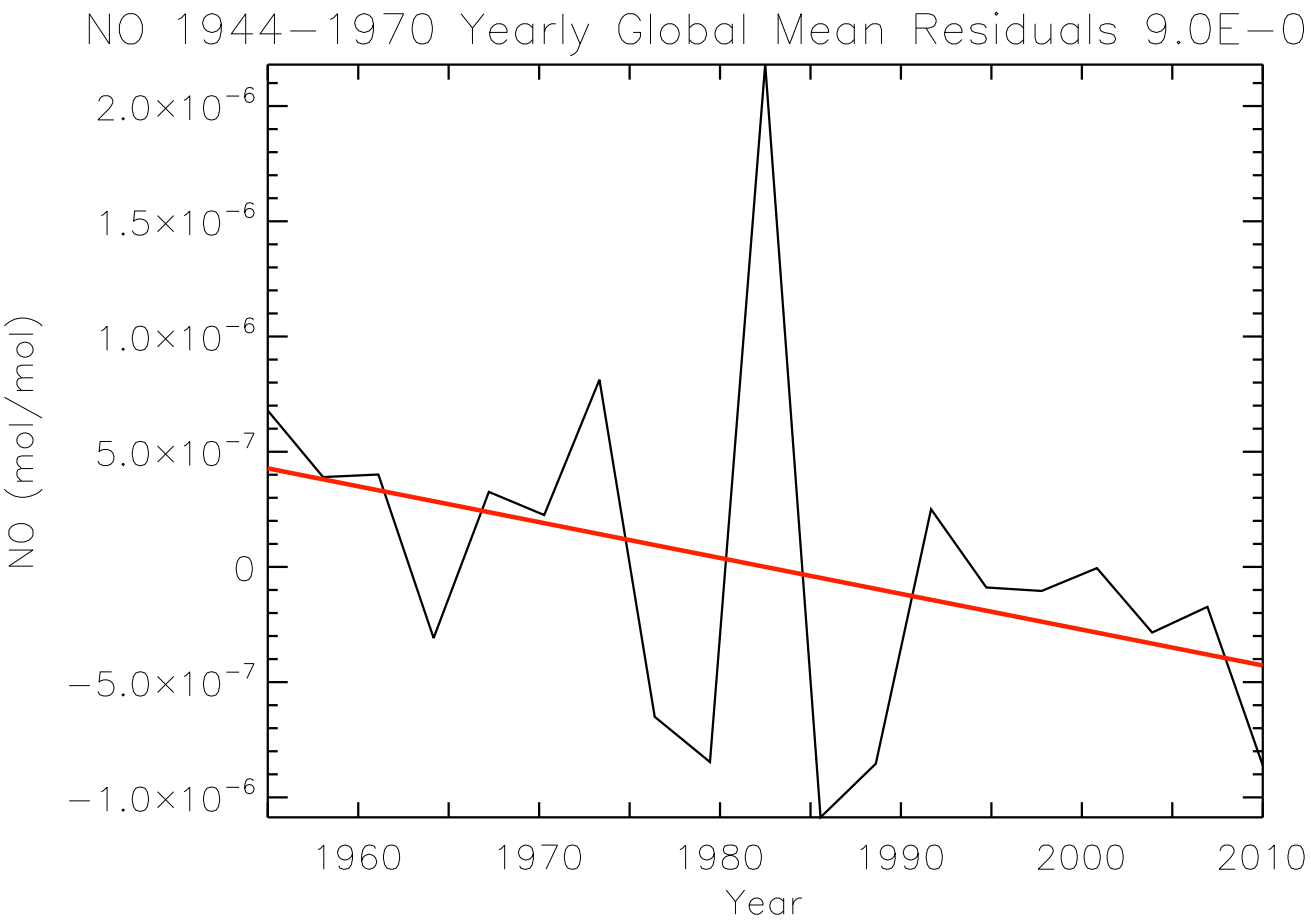

CO2 1944–1970 Yearly Global Mean 5.4E–09 hPa
CO2 % Change = –38.2687%
(–6.83369 %/decade)
6×10⁻¹⁰
4×10⁻¹⁰
2×10⁻¹⁰
0
–2×10⁻¹⁰
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

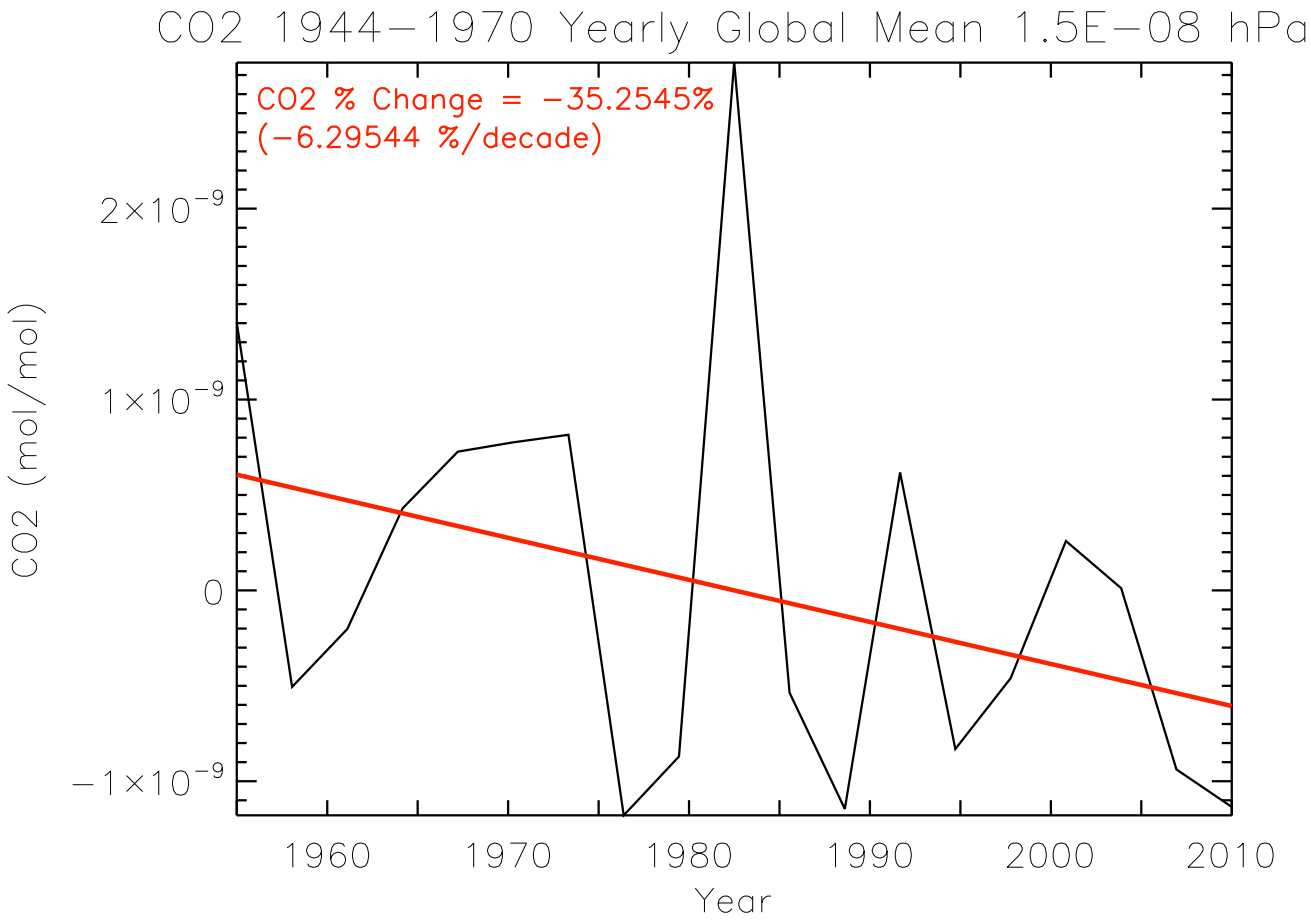

T 1944–1970 Yearly Global Mean 5.4E–09 hPa
T (K)
4
2
0
–2
T Change = –0.404626 K
(–0.0722547 K/decade)
1960
1970
1980
1990
2000
2010
Year

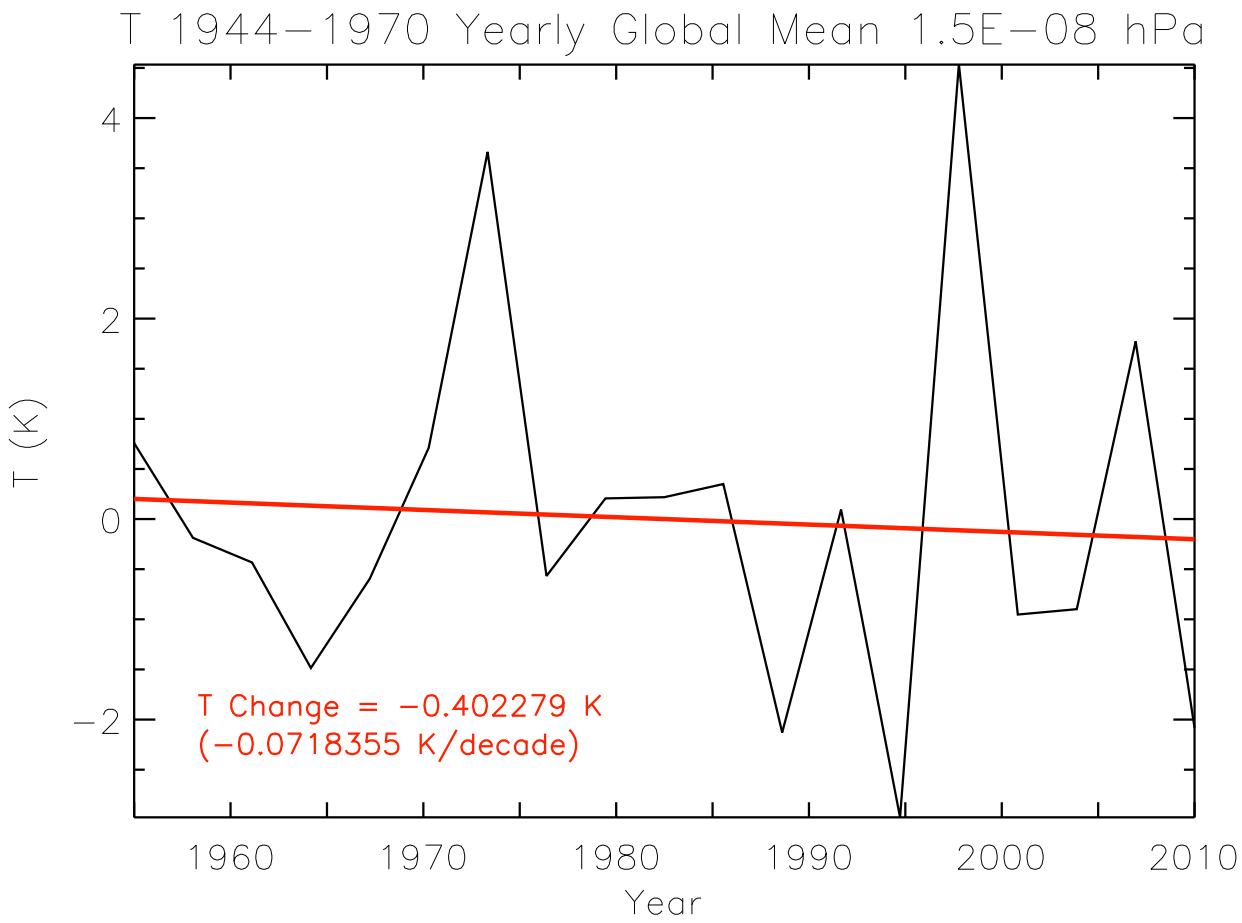

NO 1944–1970 Yearly Global Mean Residuals 5.4E–09 hPa
1.5×10⁻⁶
1.0×10⁻⁶
5.0×10⁻⁷
0
−5.0×10⁻⁷
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

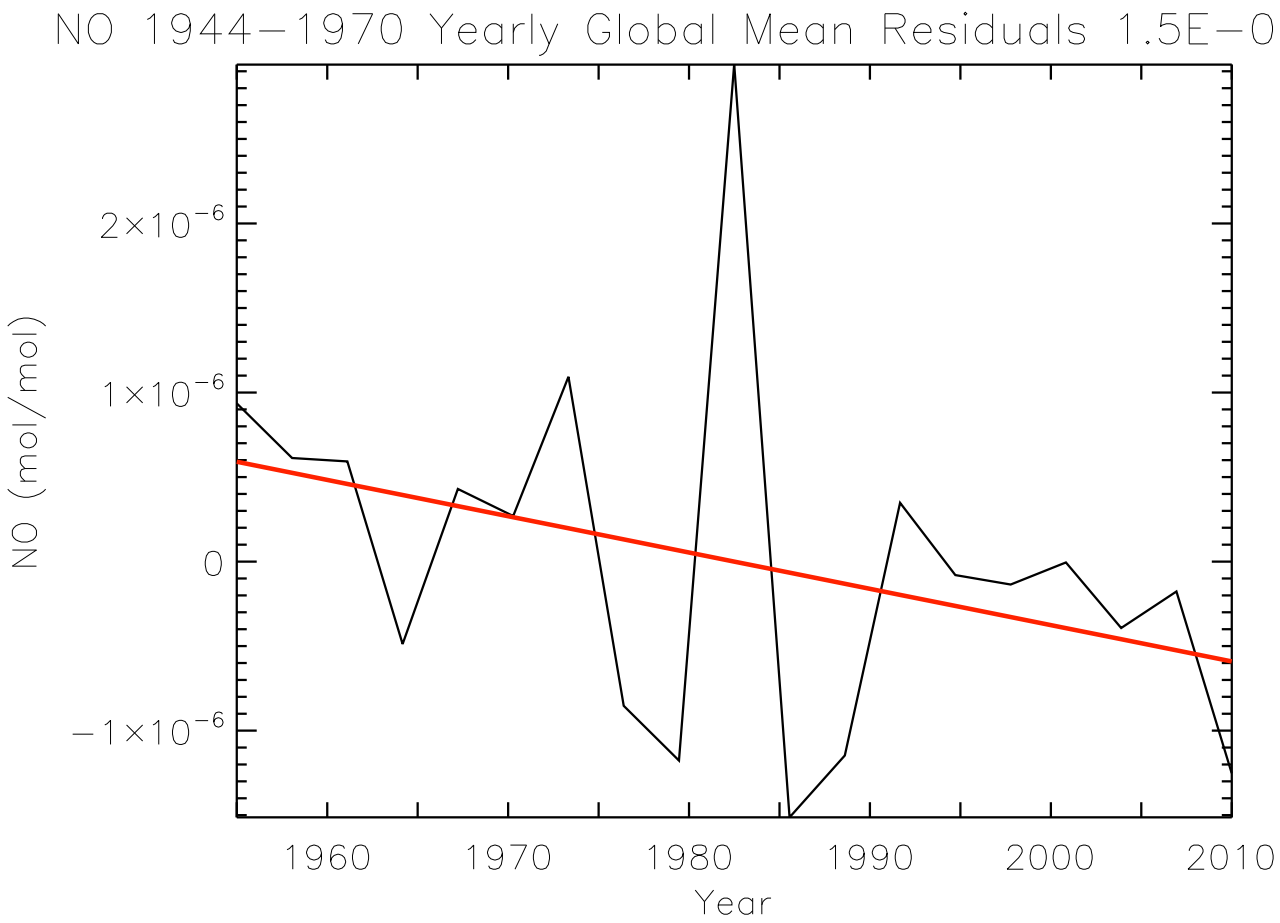

CO2 1944–1970 Yearly Global Mean 9.0E–09 hPa
CO2 % Change = –36.9170%
(–6.59231 %/decade)
1×10⁻⁹
5×10⁻¹⁰
0
–5×10⁻¹⁰
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

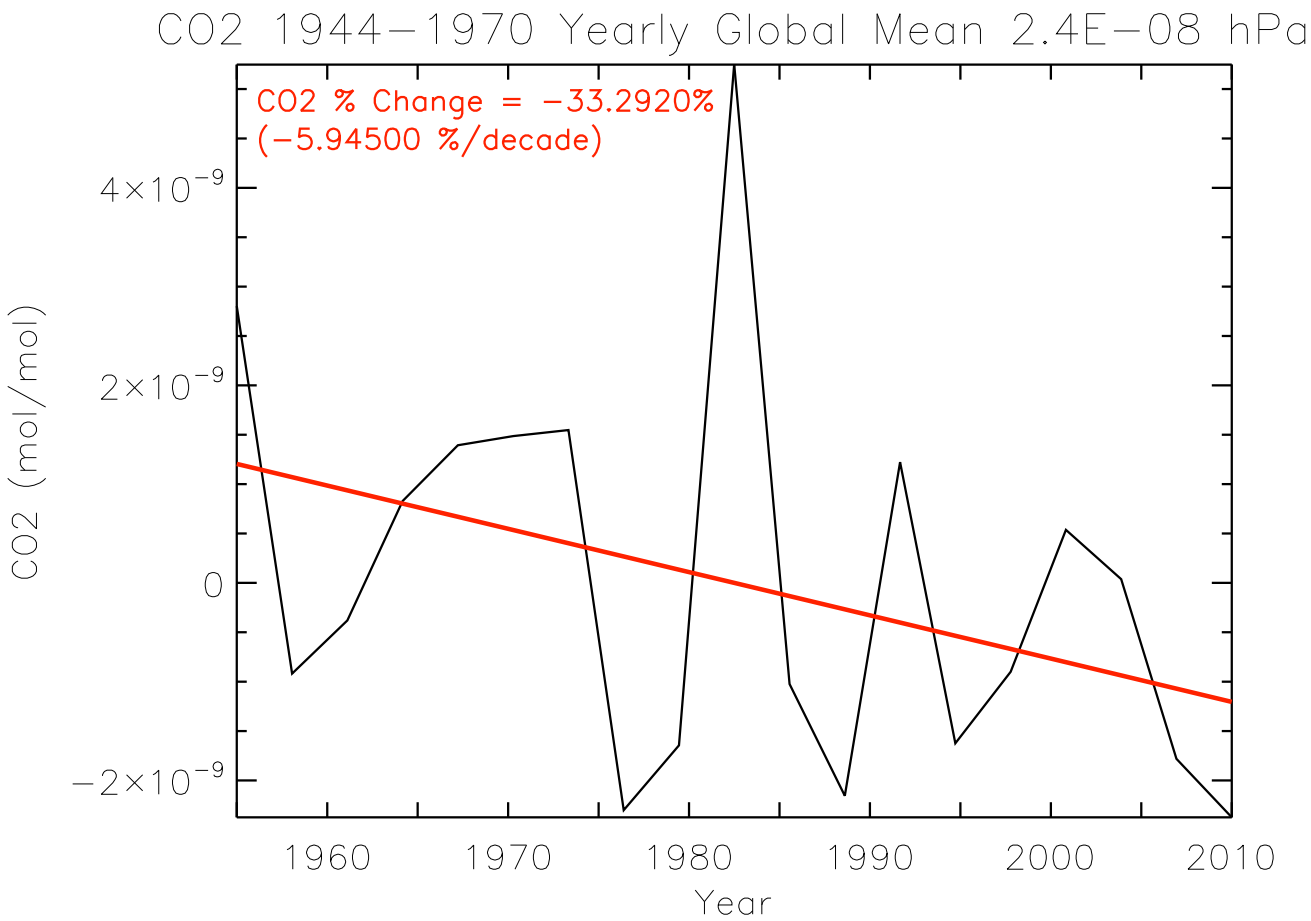

T 1944–1970 Yearly Global Mean 9.0E–09 hPa
T (K)
4
2
0
–2
T Change = –0.403391 K
(–0.0720341 K/decade)
1960
1970
1980
1990
2000
2010
Year

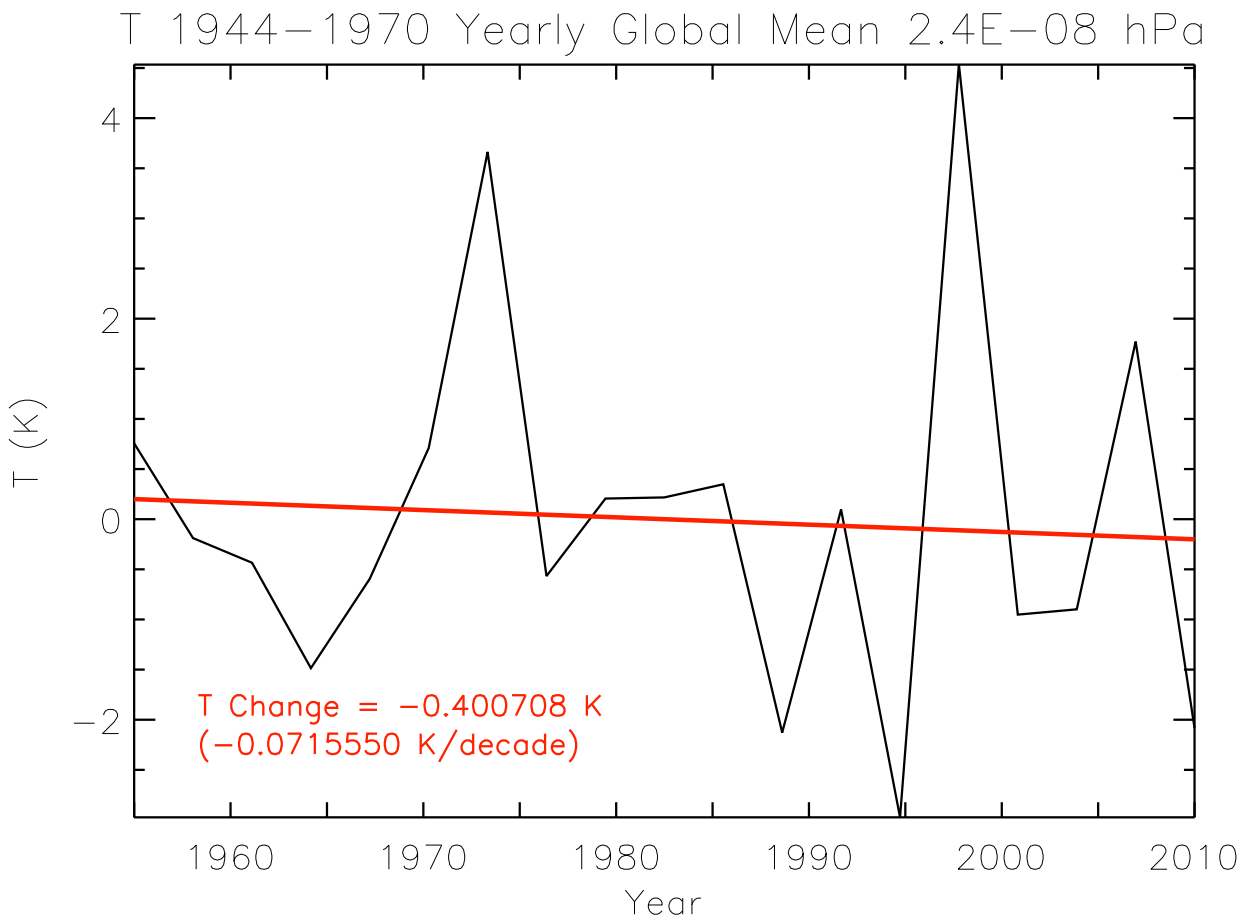

NO 1944–1970 Yearly Global Mean Residuals 9.0E–09 hPa
NO (mol/mol)
2.0×10⁻⁶
1.5×10⁻⁶
1.0×10⁻⁶
5.0×10⁻⁷
0
−5.0×10⁻⁷
−1.0×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

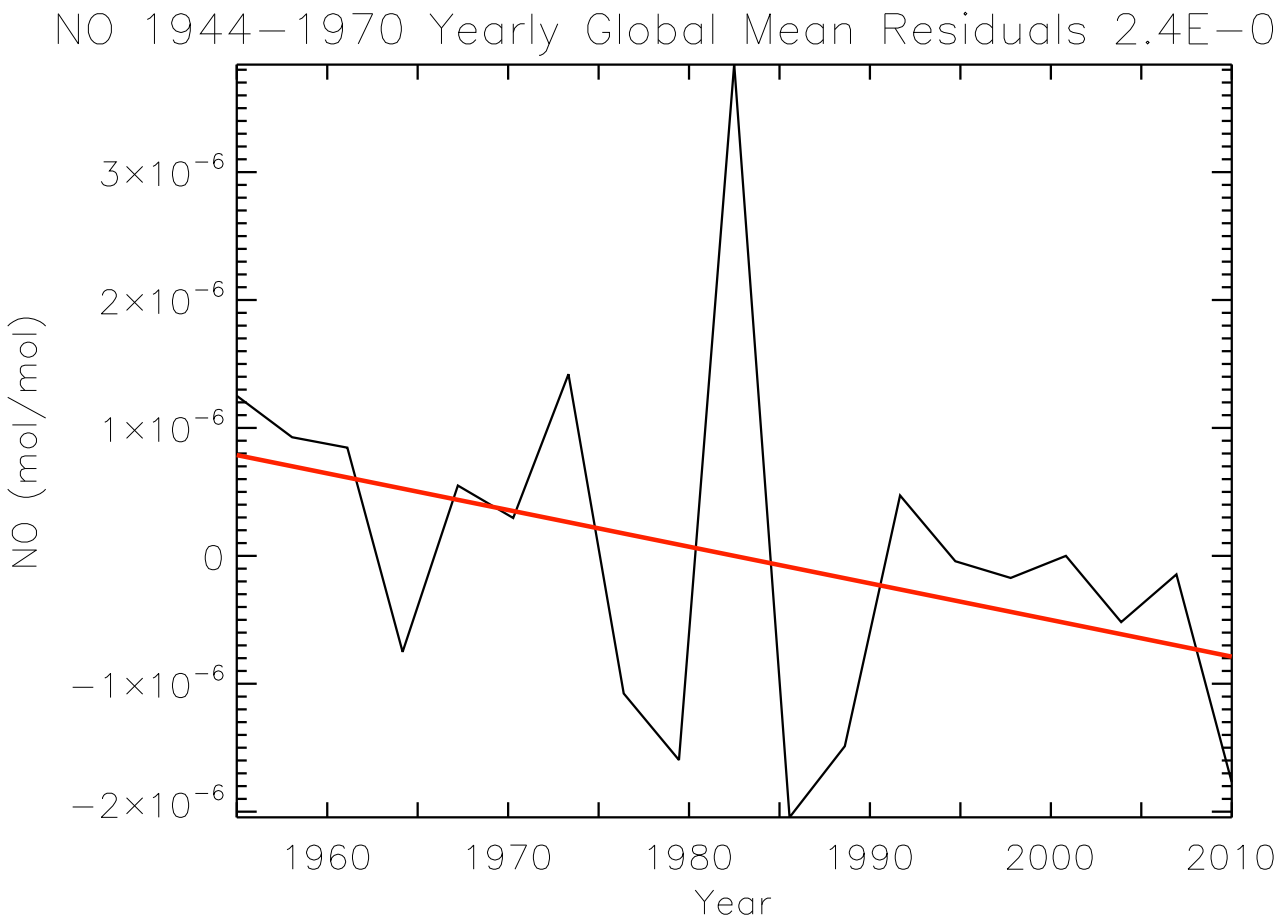

CO2 1944–1970 Yearly Global Mean 1.5E–08 hPa
CO2 % Change = –35.2545%
(–6.29544 %/decade)
2×10⁻⁹
1×10⁻⁹
0
–1×10⁻⁹
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

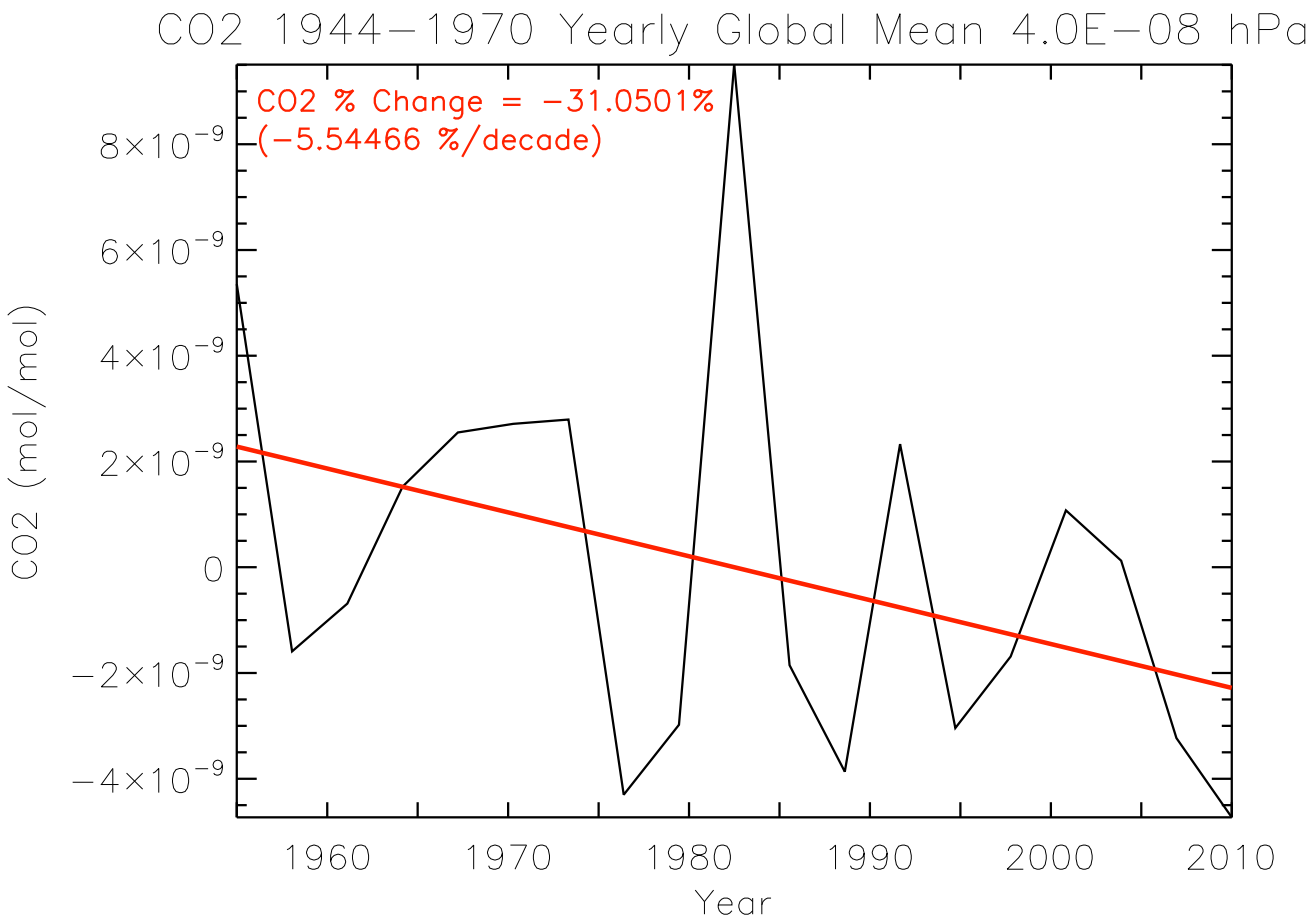

T 1944–1970 Yearly Global Mean 1.5E–08 hPa
T (K)
4
2
0
–2
T Change = –0.402279 K
(–0.0718355 K/decade)
1960
1970
1980
1990
2000
2010
Year

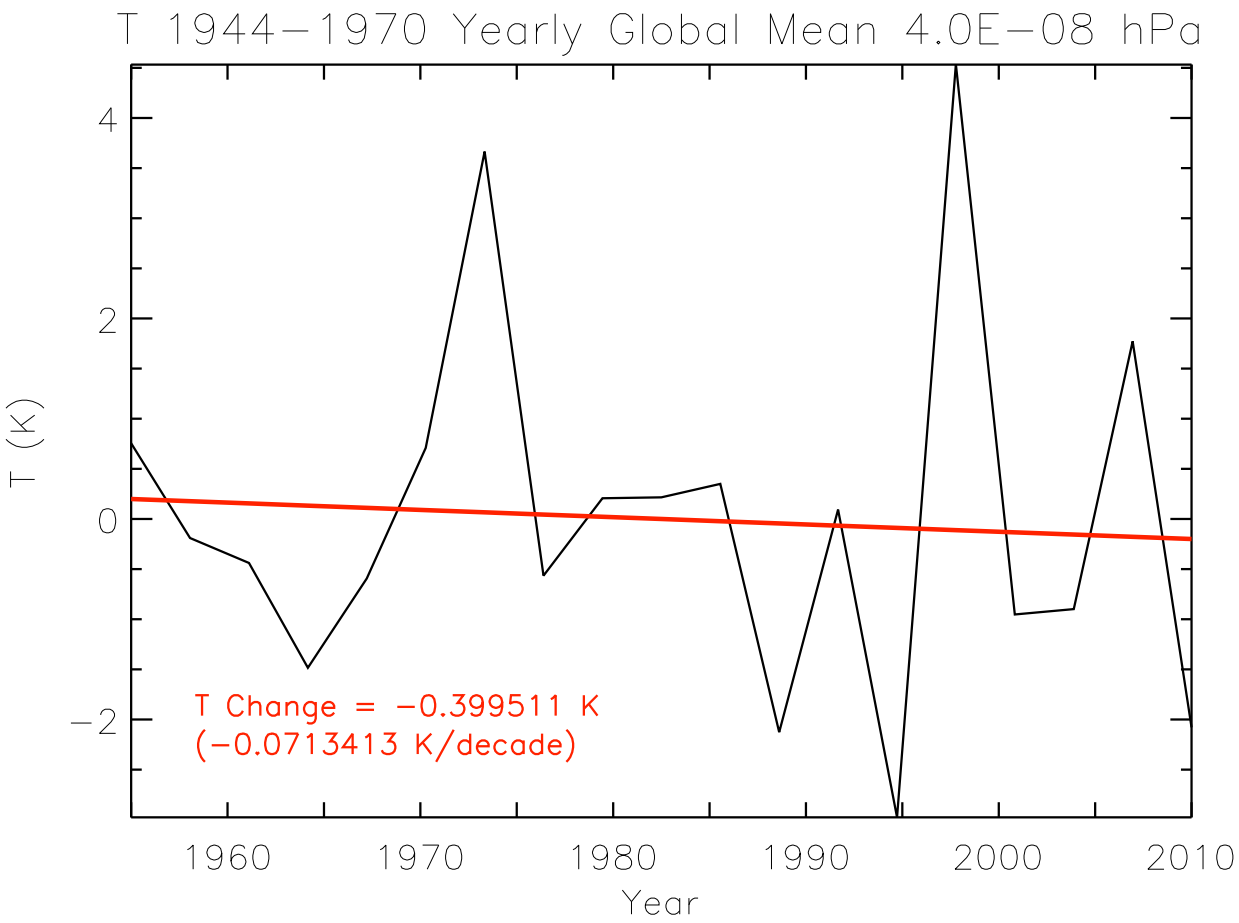

NO 1944–1970 Yearly Global Mean Residuals 1.5E–08 hPa
NO (mol/mol)
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

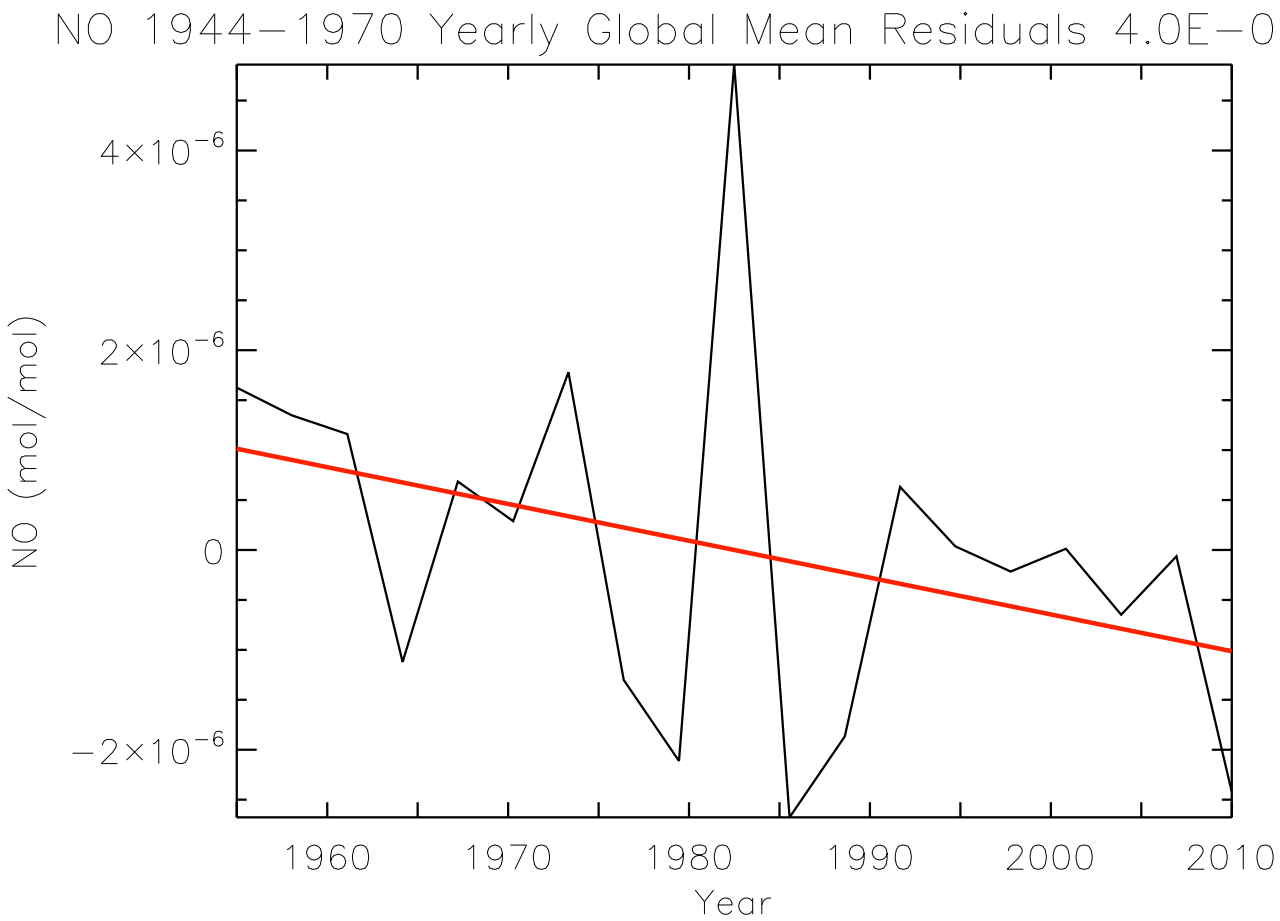

CO2 1944–1970 Yearly Global Mean 2.4E–08 hPa
CO2 % Change = –33.2920%
(–5.94500 %/decade)
4×10⁻⁹
2×10⁻⁹
0
–2×10⁻⁹
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

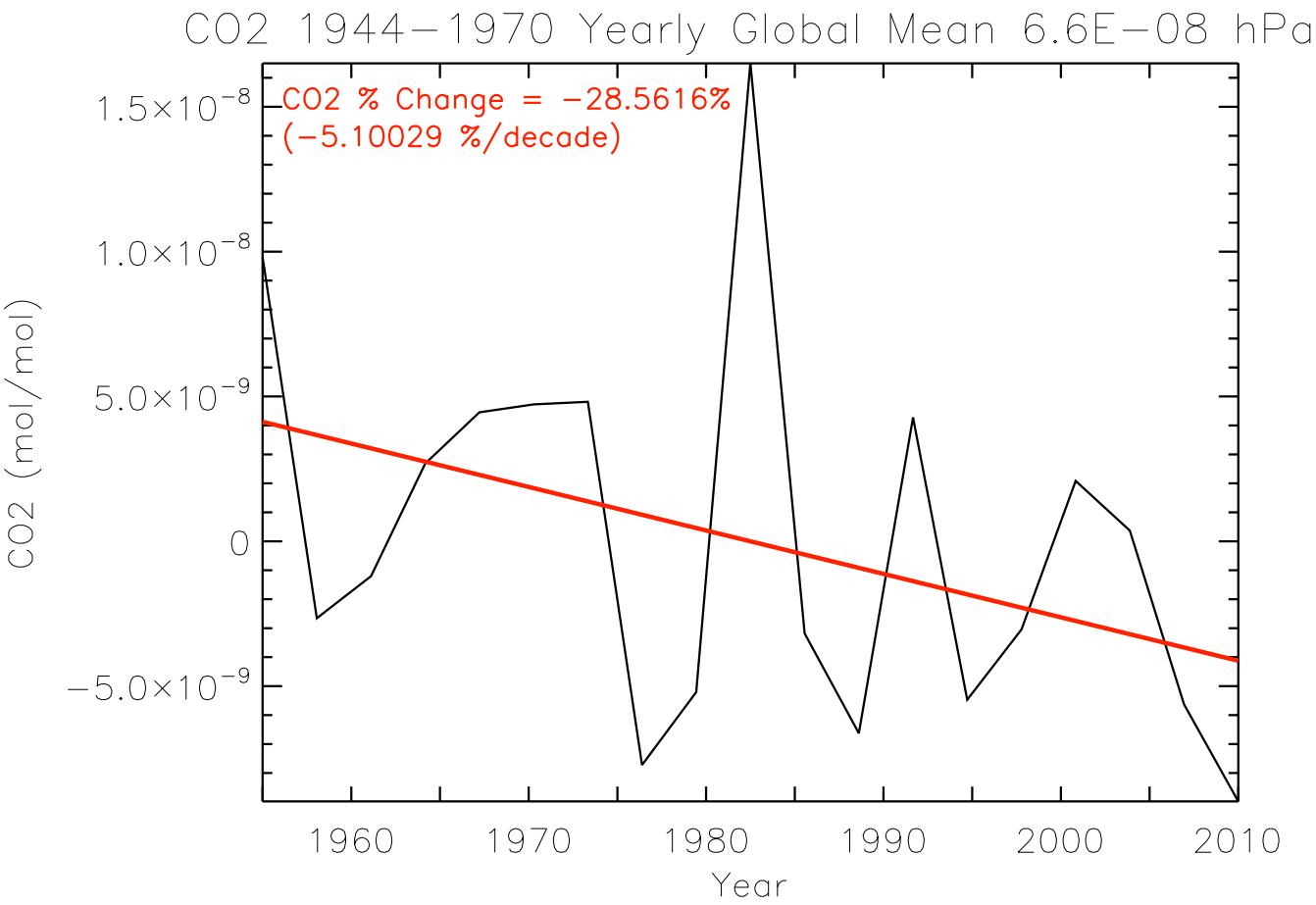

T 1944–1970 Yearly Global Mean 2.4E–08 hPa
T (K)
4
2
0
–2
T Change = –0.400708 K
(–0.0715550 K/decade)
1960
1970
1980
1990
2000
2010
Year

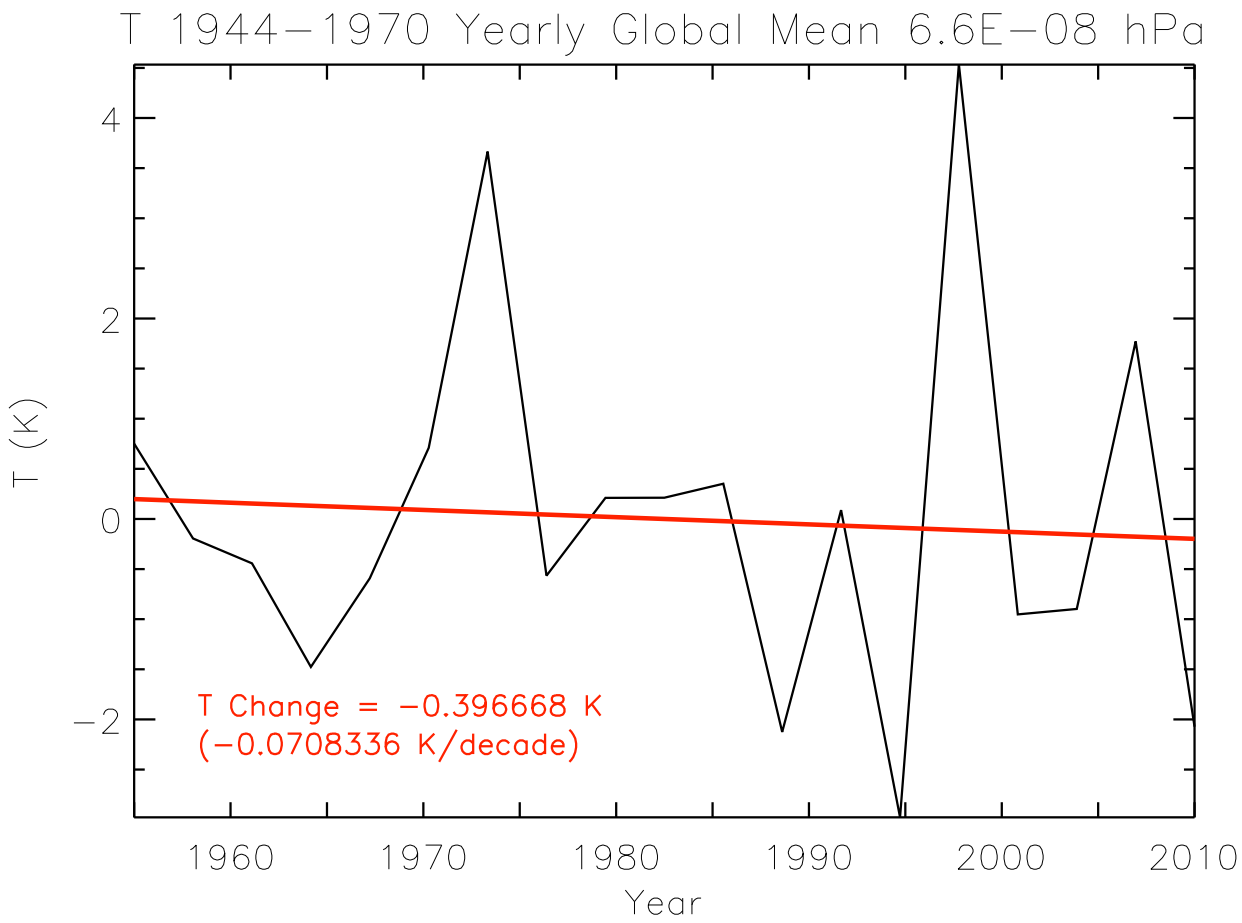

NO 1944–1970 Yearly Global Mean Residuals 2.4E–08 hPa
NO (mol/mol)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

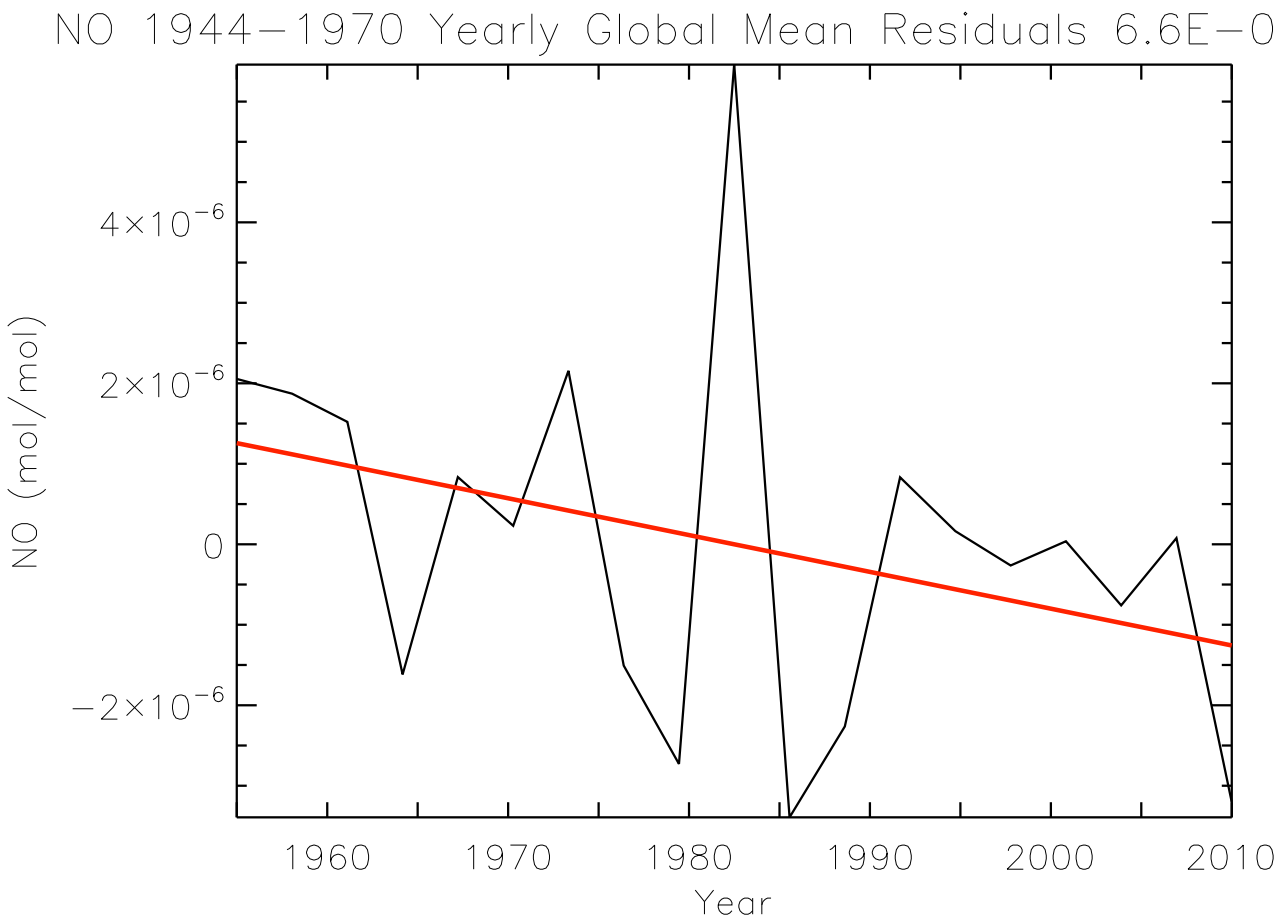

CO2 1944–1970 Yearly Global Mean 4.0E–08 hPa
CO2 % Change = –31.0501%
(–5.54466 %/decade)
8×10⁻⁹
6×10⁻⁹
4×10⁻⁹
2×10⁻⁹
0
–2×10⁻⁹
–4×10⁻⁹
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

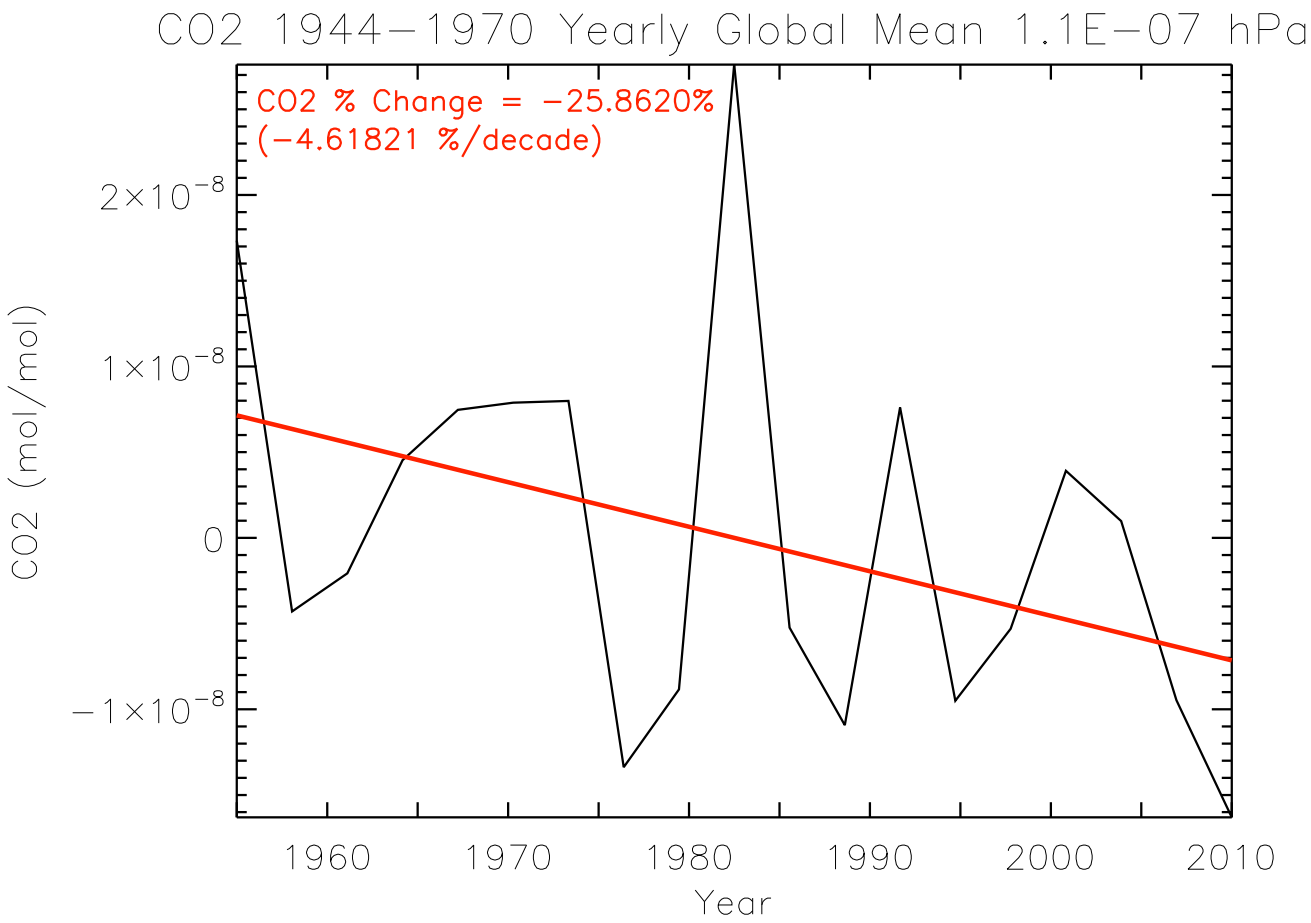

T 1944–1970 Yearly Global Mean 4.0E–08 hPa
T (K)
4
2
0
–2
T Change = –0.399511 K
(–0.0713413 K/decade)
1960
1970
1980
1990
2000
2010
Year

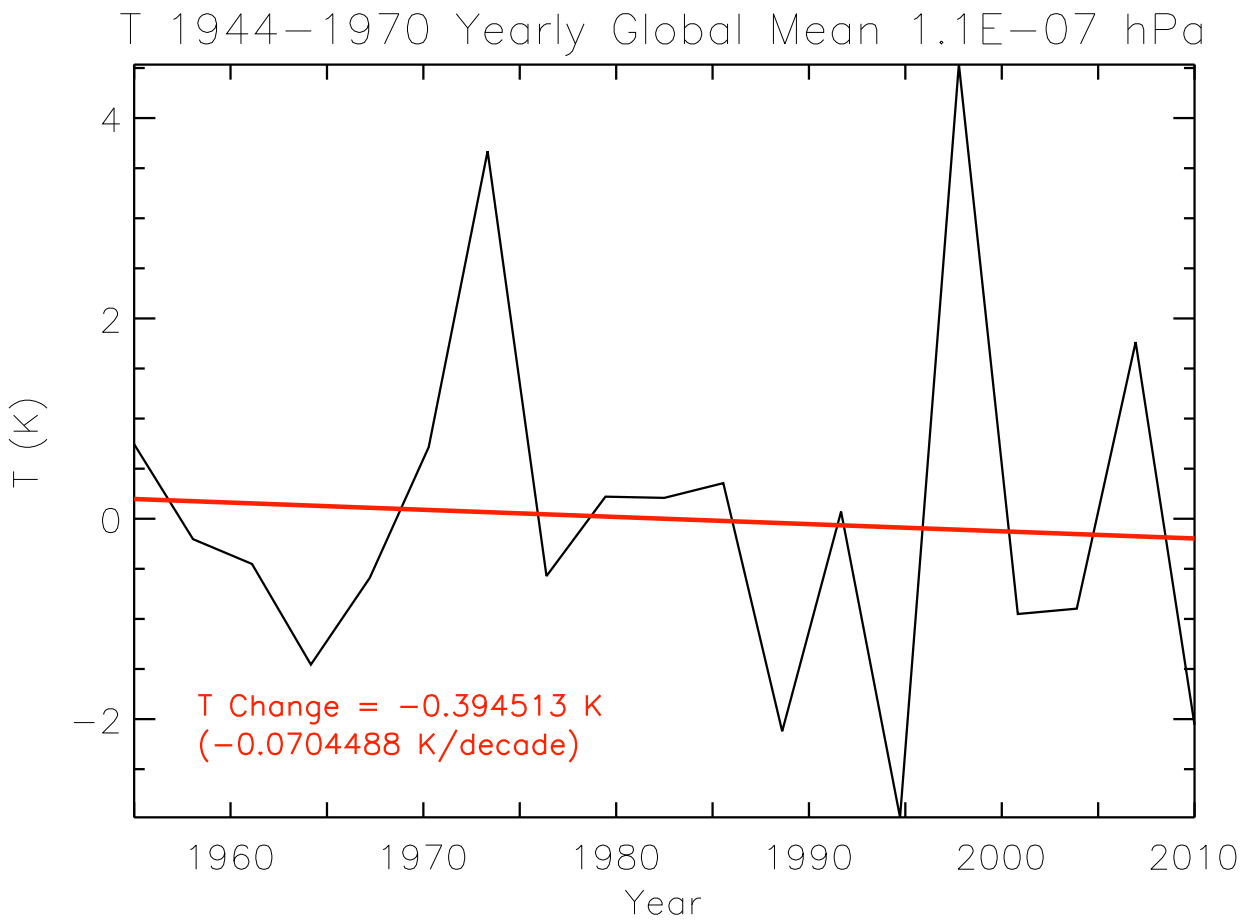

NO 1944–1970 Yearly Global Mean Residuals 4.0E–08 hPa
NO (mol/mol)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

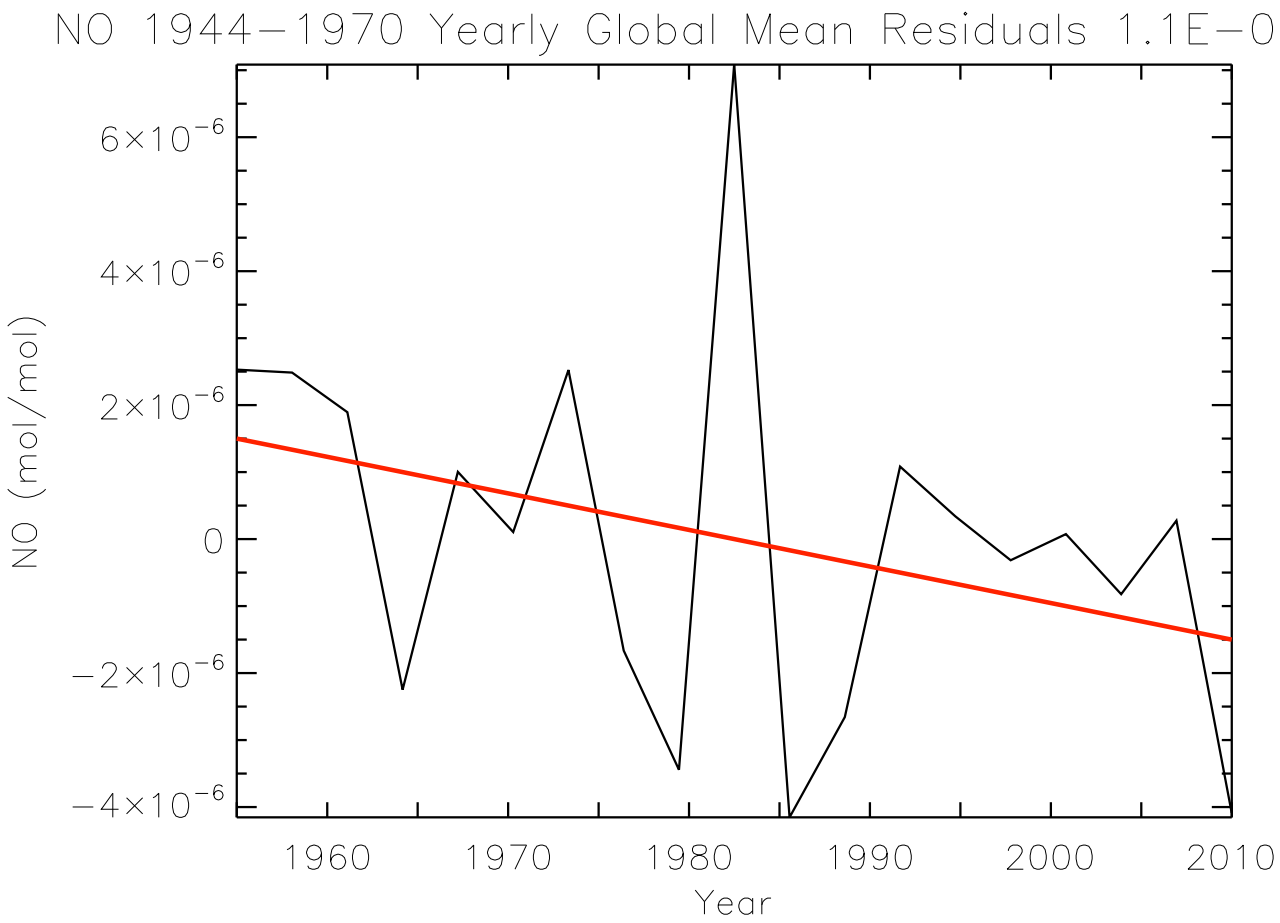

CO2 1944–1970 Yearly Global Mean 6.6E–08 hPa
CO2 % Change = –28.5616%
(–5.10029 %/decade)
1.5×10⁻⁸
1.0×10⁻⁸
5.0×10⁻⁹
0
–5.0×10⁻⁹
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

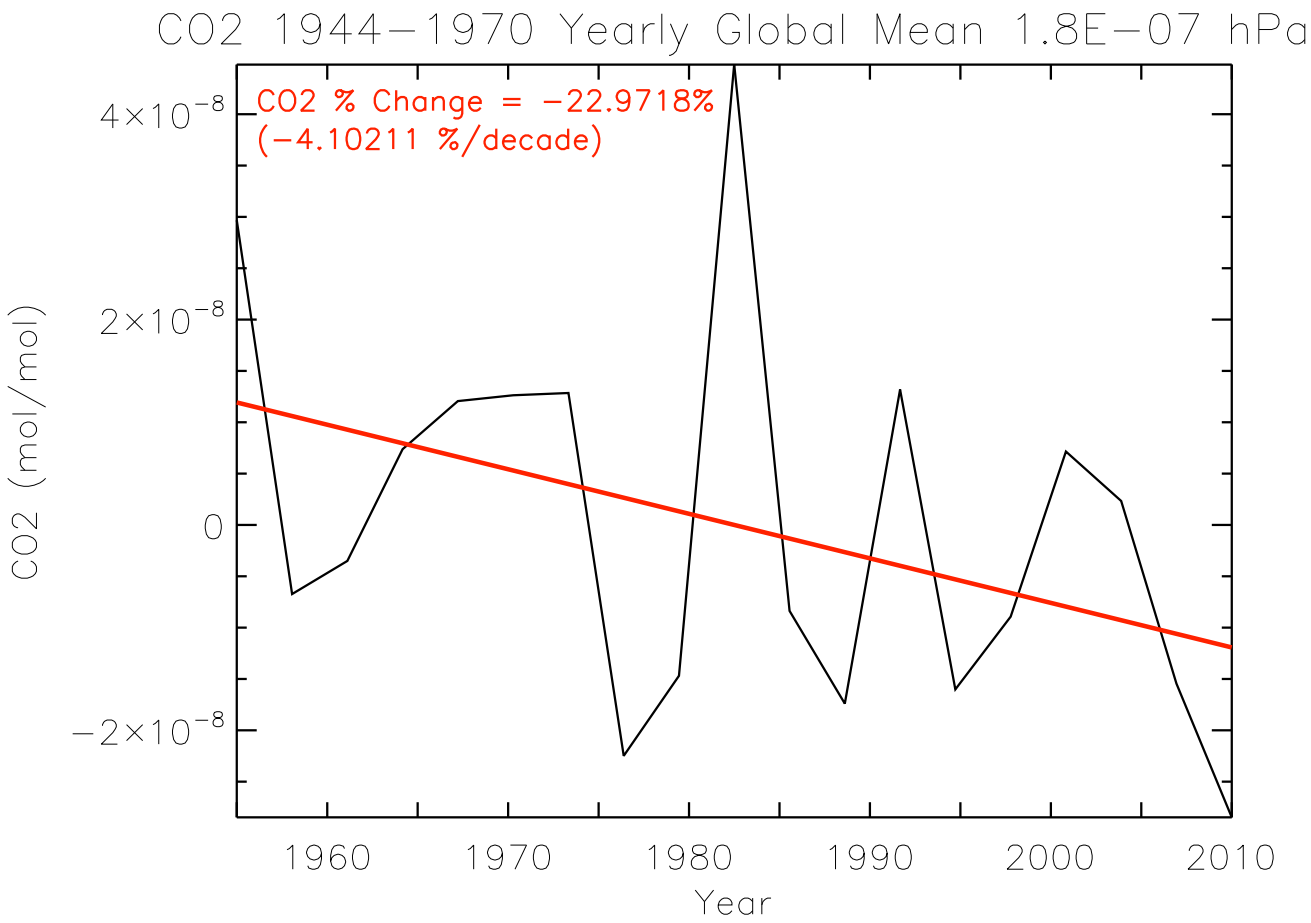

T 1944–1970 Yearly Global Mean 6.6E–08 hPa
T (K)
4
2
0
–2
T Change = –0.396668 K
(–0.0708336 K/decade)
1960
1970
1980
1990
2000
2010
Year

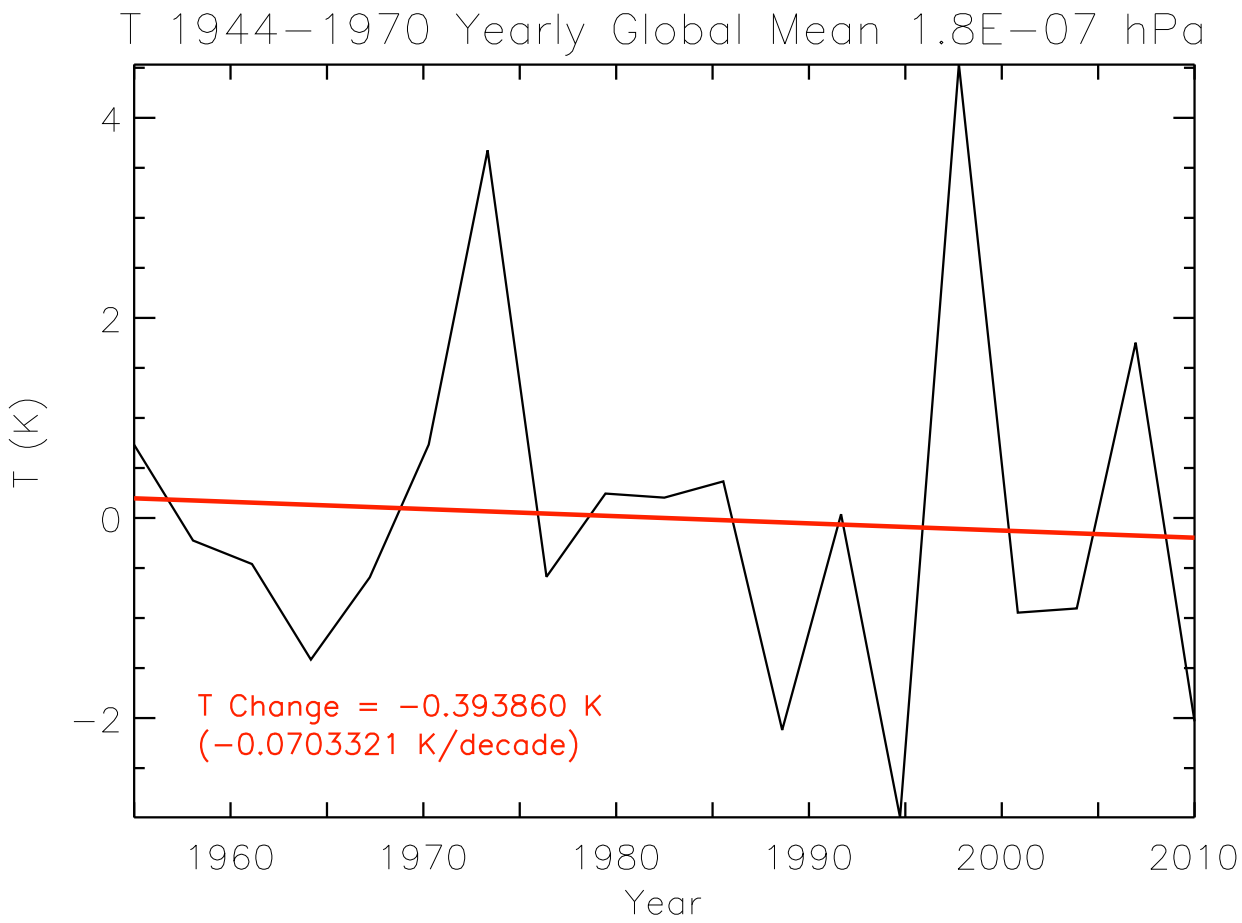

NO 1944–1970 Yearly Global Mean Residuals 6.6E–08 hPa
NO (mol/mol)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

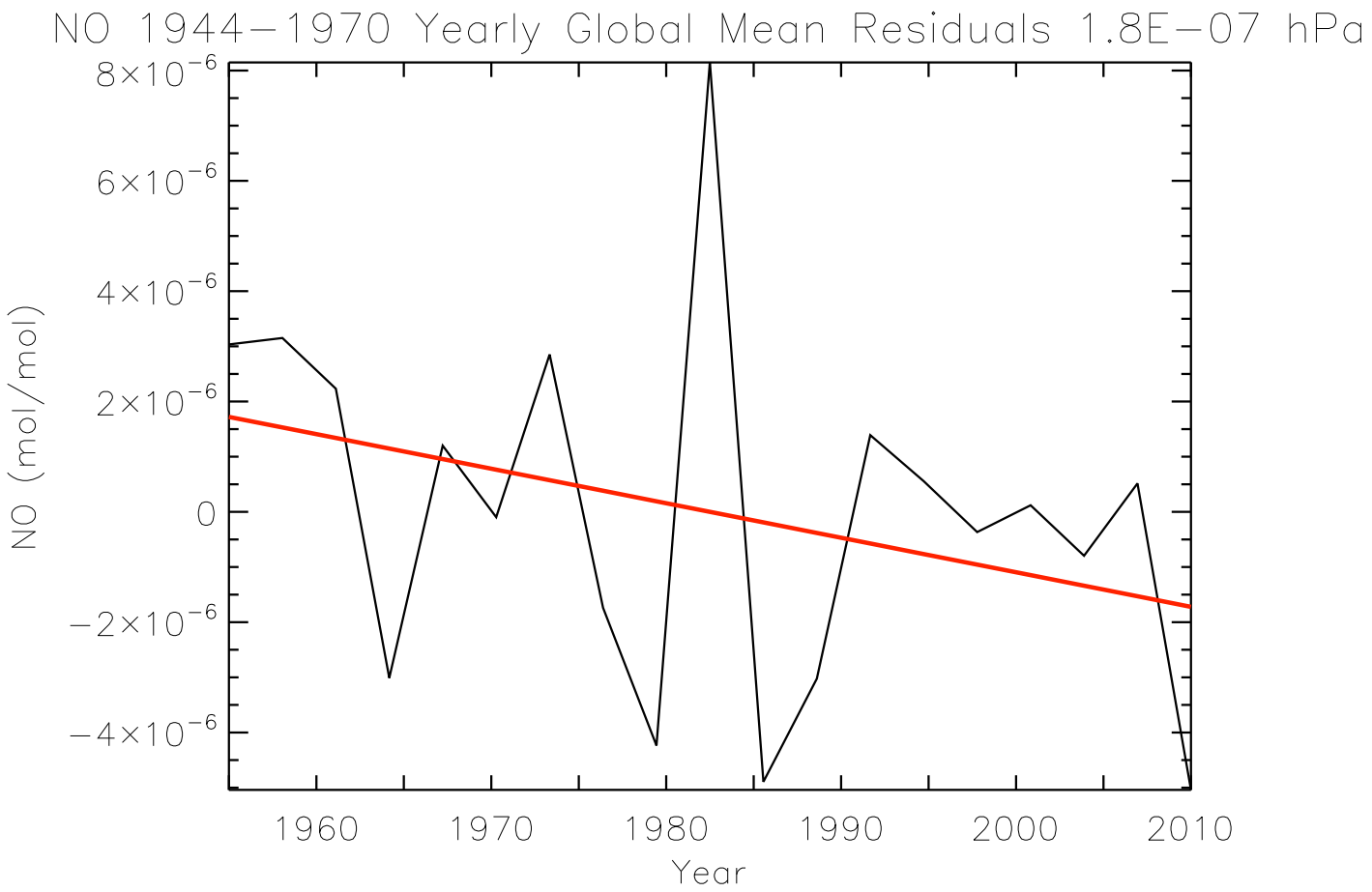

CO2 1944–1970 Yearly Global Mean 1.1E–07 hPa
CO2 % Change = –25.8620%
(–4.61821 %/decade)
2×10⁻⁸
1×10⁻⁸
0
–1×10⁻⁸
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

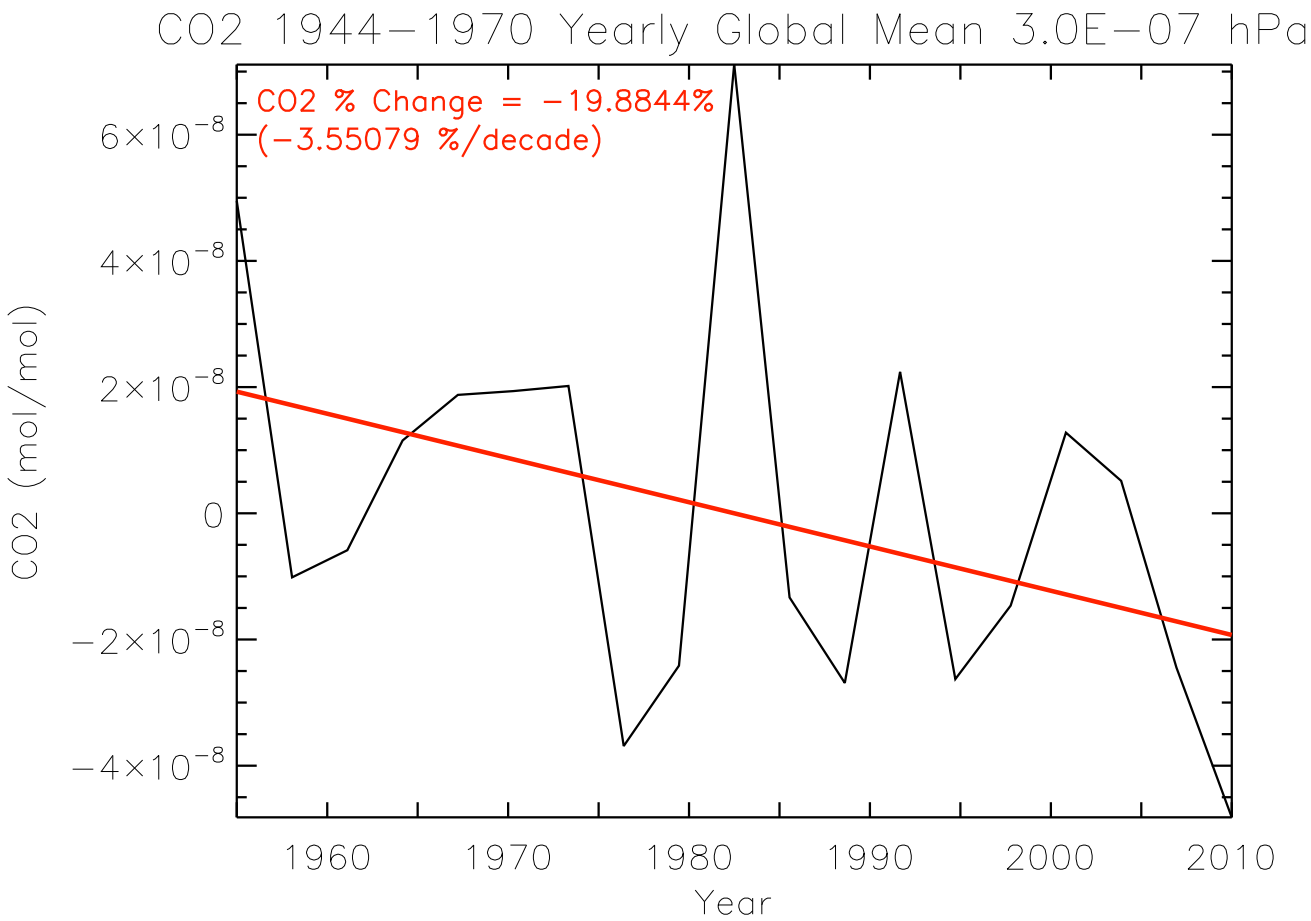

T 1944–1970 Yearly Global Mean 1.1E–07 hPa
T (K)
4
2
0
–2
T Change = –0.394513 K
(–0.0704488 K/decade)
1960
1970
1980
1990
2000
2010
Year

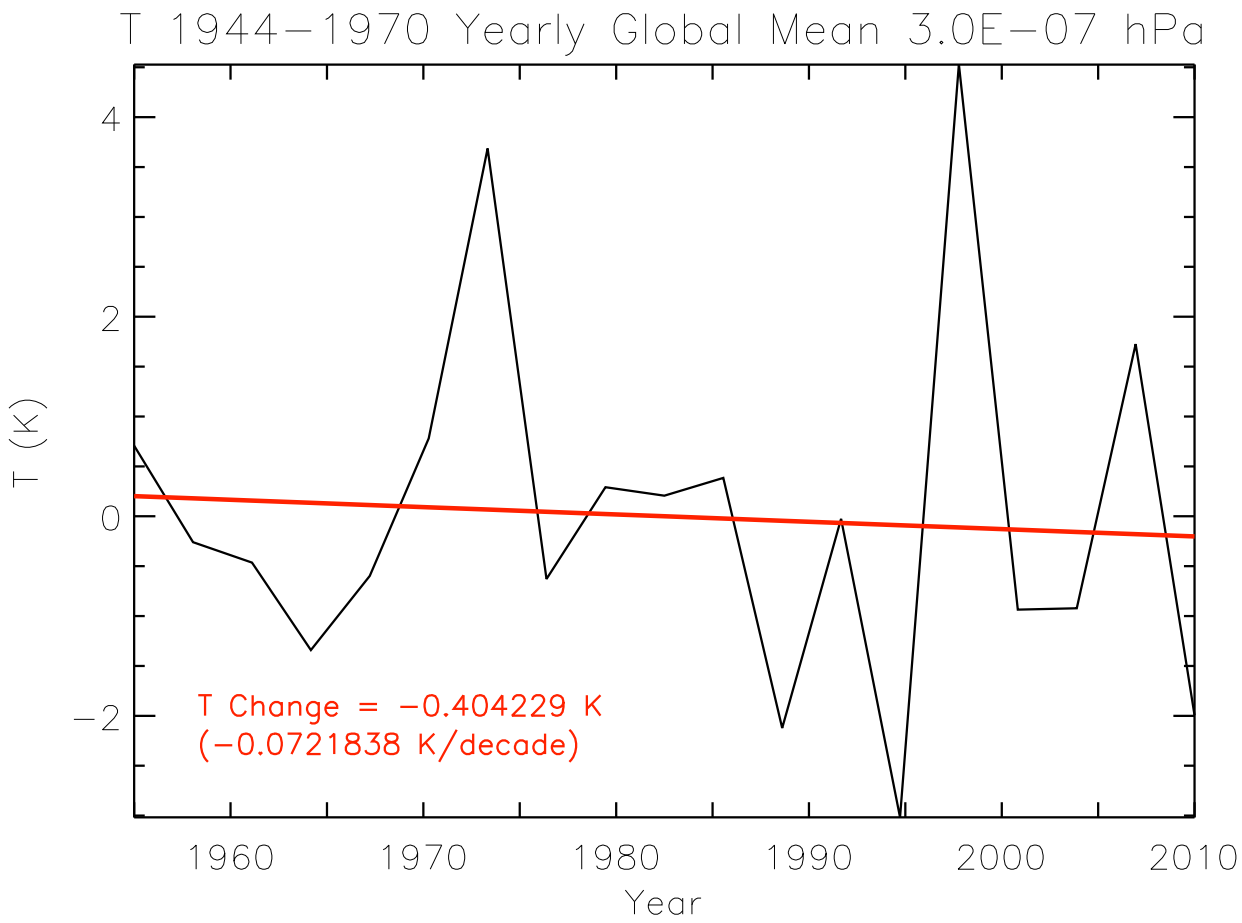

NO 1944–1970 Yearly Global Mean Residuals 1.1E–07 hPa
NO (mol/mol)
6×10⁻⁶
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
−4×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

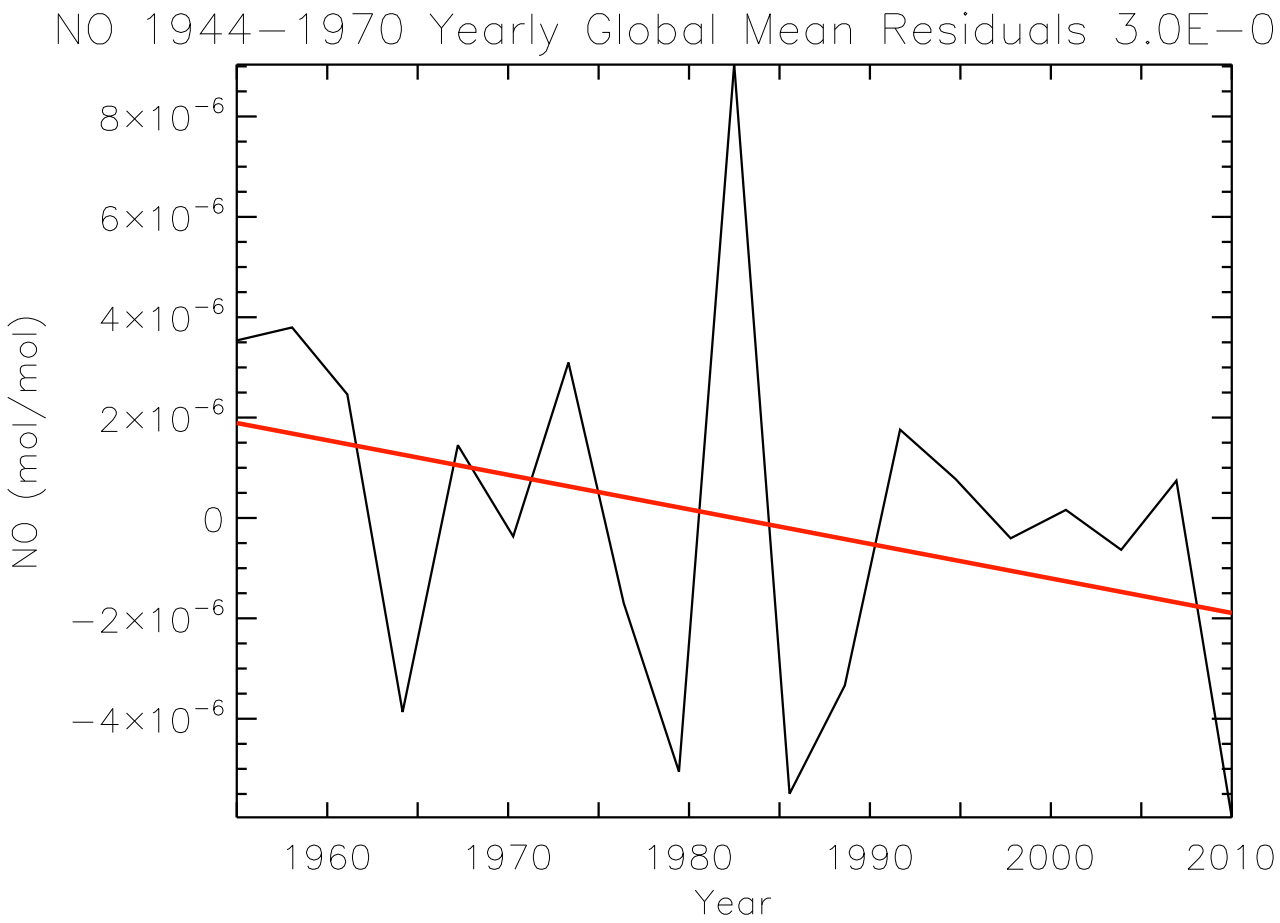

CO2 1944–1970 Yearly Global Mean 1.8E–07 hPa
CO2 % Change = –22.9718%
(–4.10211 %/decade)
4×10⁻⁸
2×10⁻⁸
0
–2×10⁻⁸
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

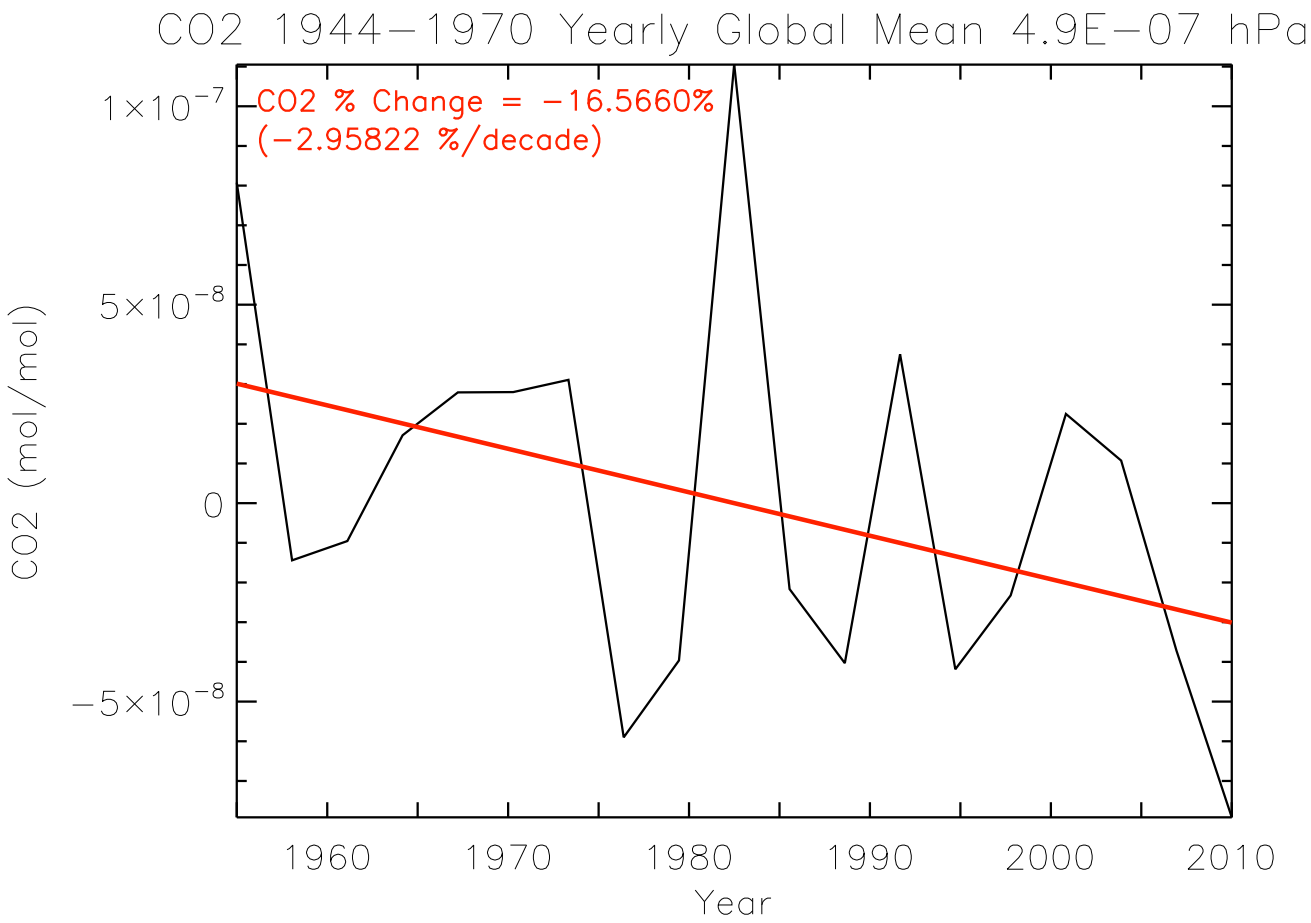

T 1944–1970 Yearly Global Mean 1.8E–07 hPa
T (K)
4
2
0
–2
T Change = –0.393860 K
(–0.0703321 K/decade)
1960
1970
1980
1990
2000
2010
Year

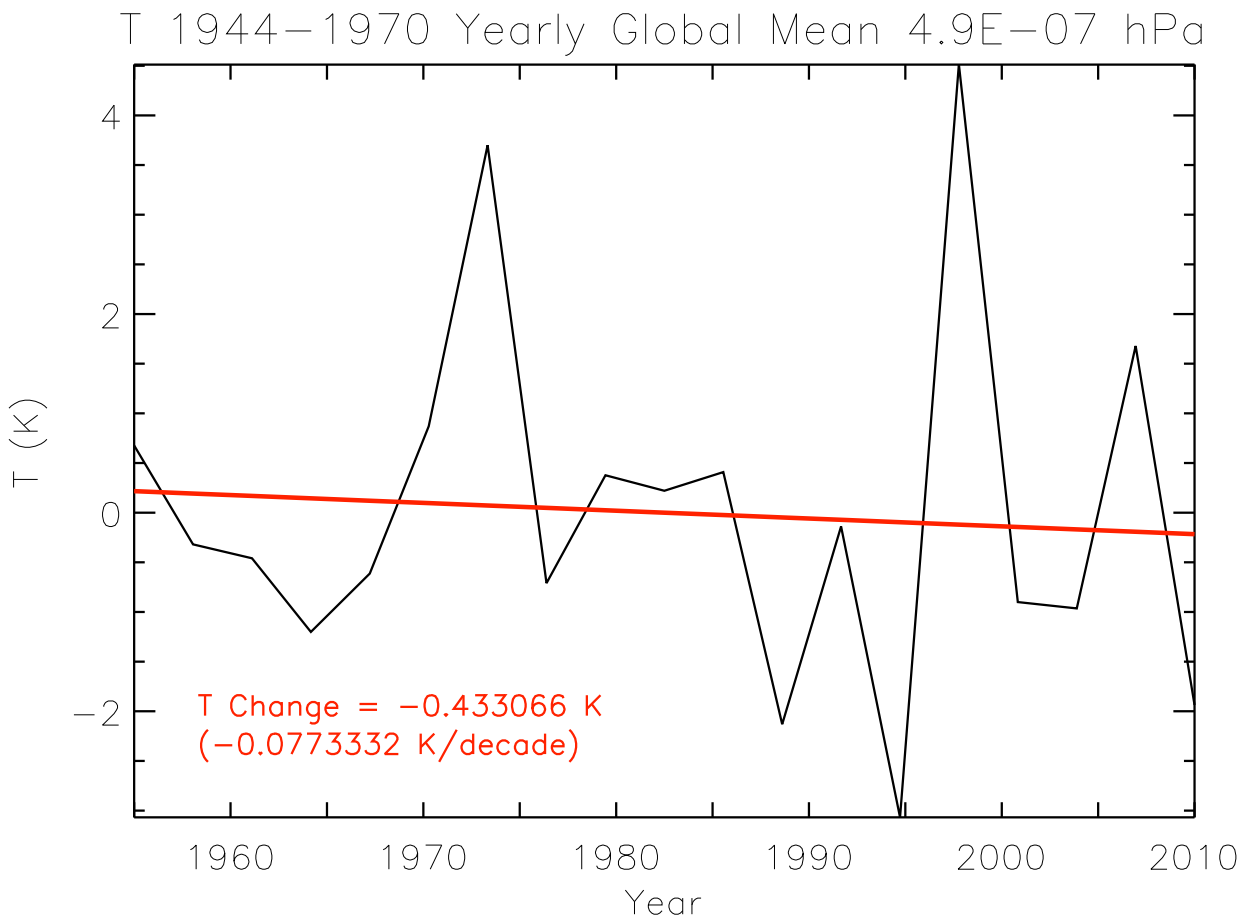

NO 1944–1970 Yearly Global Mean Residuals 1.8E–07 hPa
8×10⁻⁶
6×10⁻⁶
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
−4×10⁻⁶
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

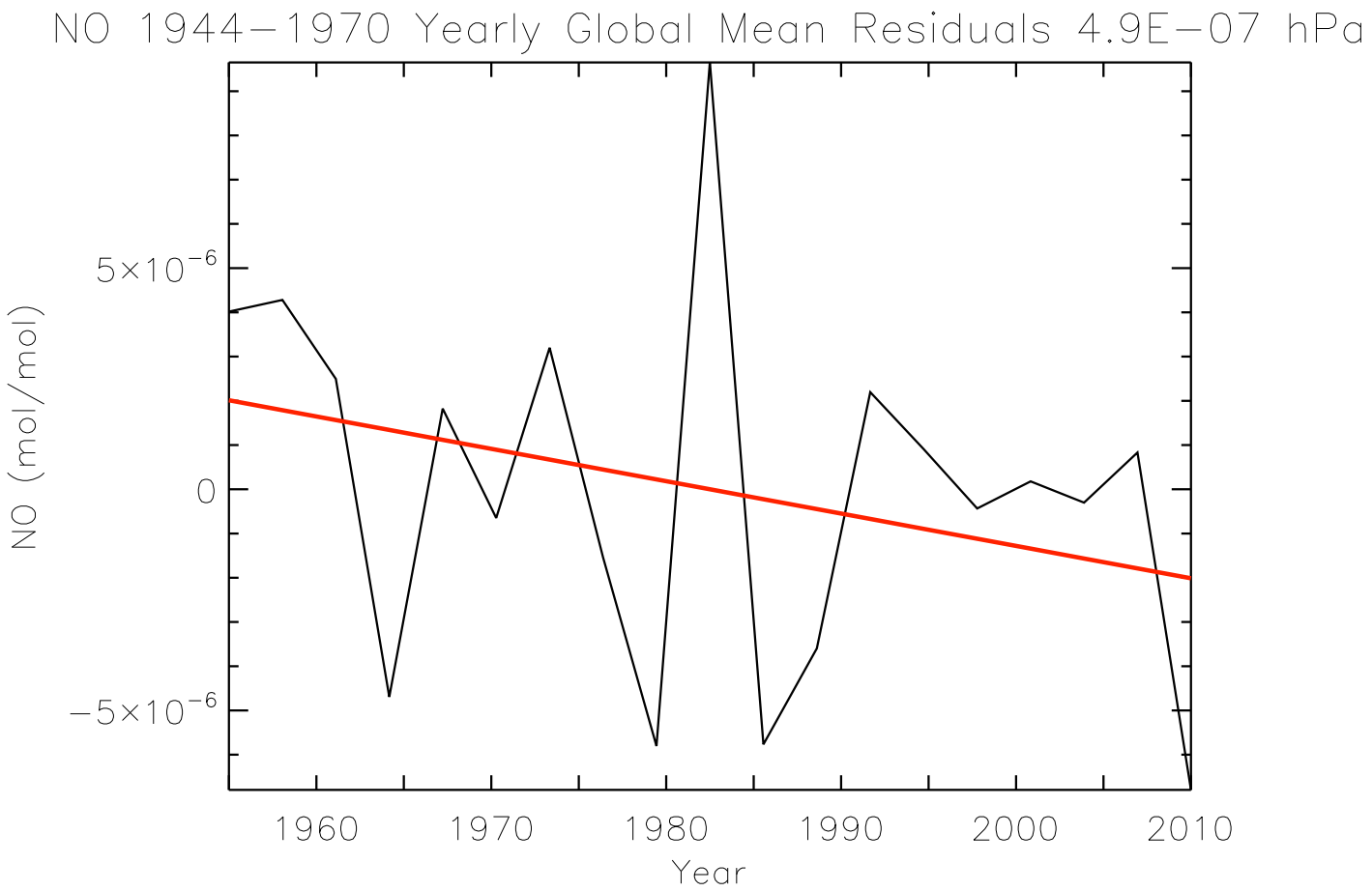

CO2 1944–1970 Yearly Global Mean 3.0E–07 hPa
CO2 % Change = –19.8844%
(–3.55079 %/decade)
6×10⁻⁸
4×10⁻⁸
2×10⁻⁸
0
–2×10⁻⁸
–4×10⁻⁸
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

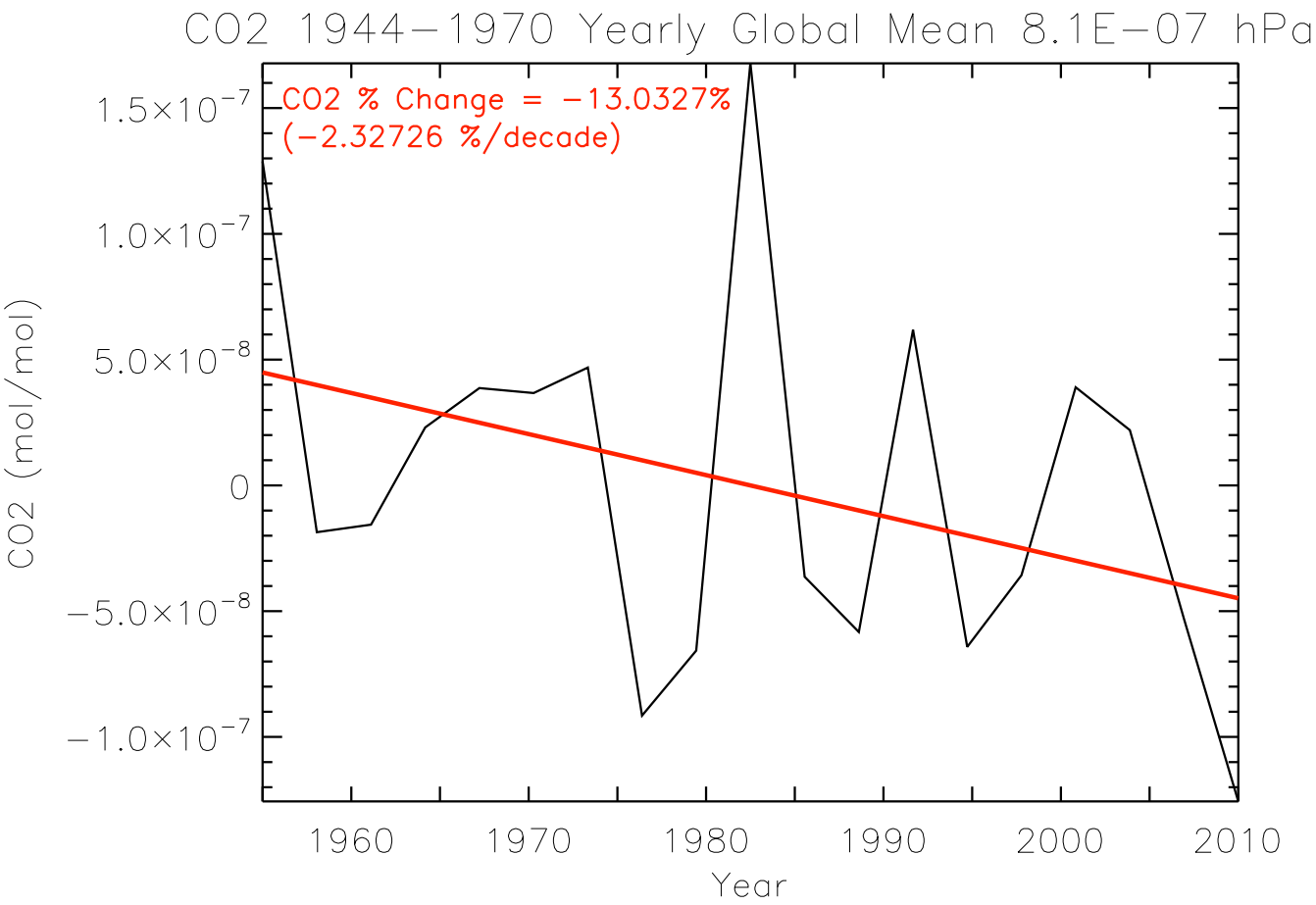

T 1944–1970 Yearly Global Mean 3.0E–07 hPa
T (K)
4
2
0
–2
T Change = –0.404229 K
(–0.0721838 K/decade)
1960
1970
1980
1990
2000
2010
Year

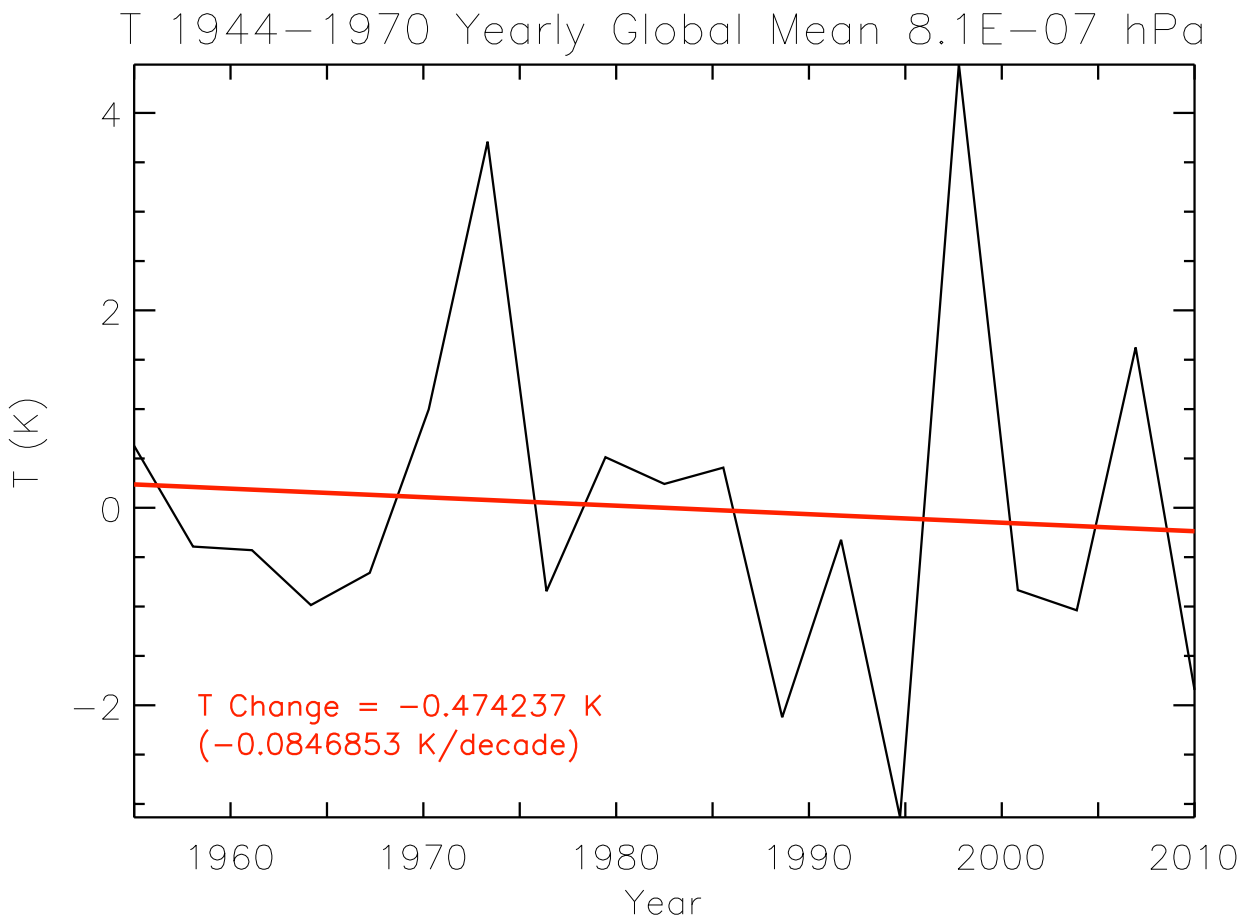

NO 1944–1970 Yearly Global Mean Residuals 3.0E–07 hPa
NO (mol/mol)
8×10⁻⁶
6×10⁻⁶
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
−4×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

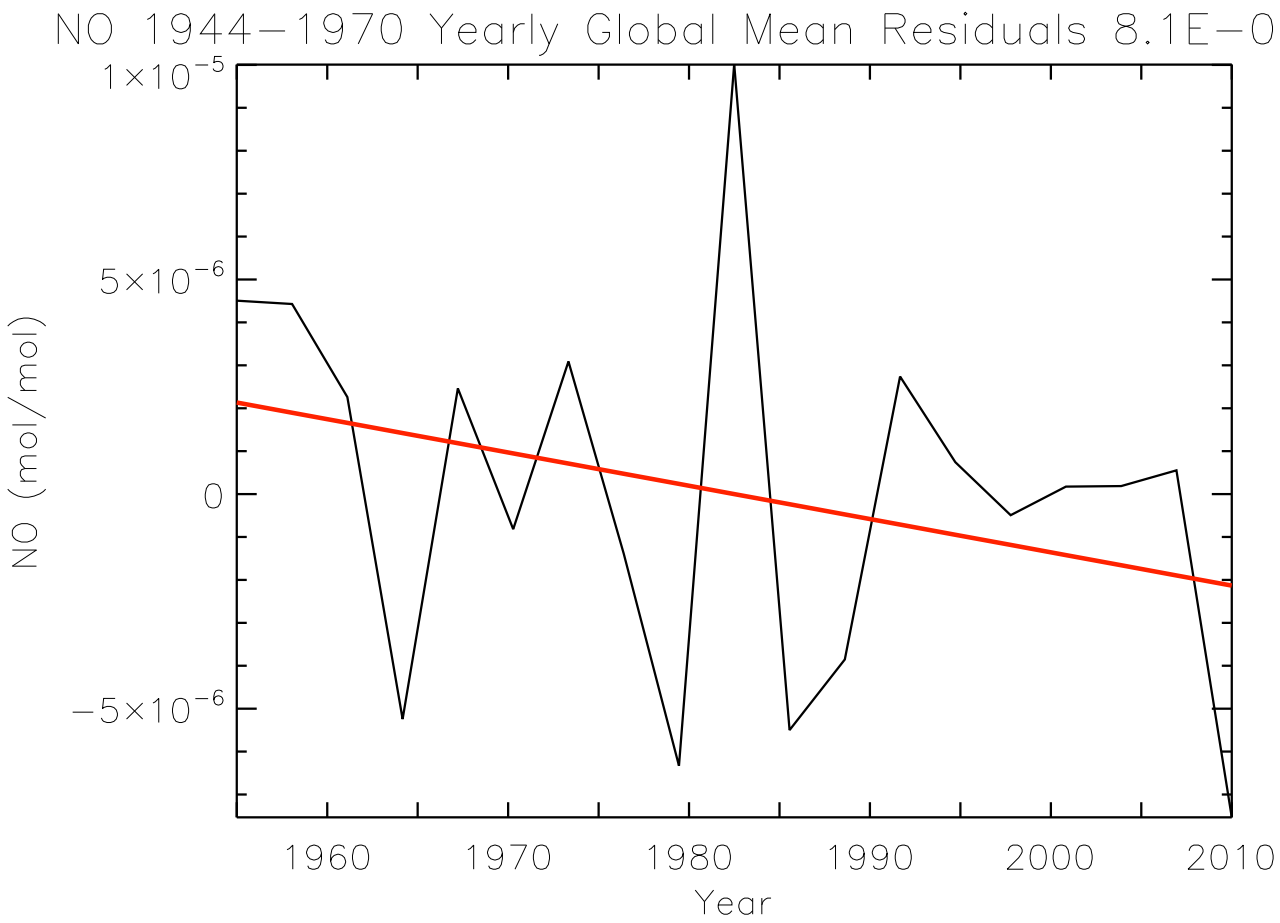

CO2 1944–1970 Yearly Global Mean 4.9E–07 hPa
CO2 % Change = –16.5660%
(–2.95822 %/decade)
1×10⁻⁷
5×10⁻⁸
0
–5×10⁻⁸
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

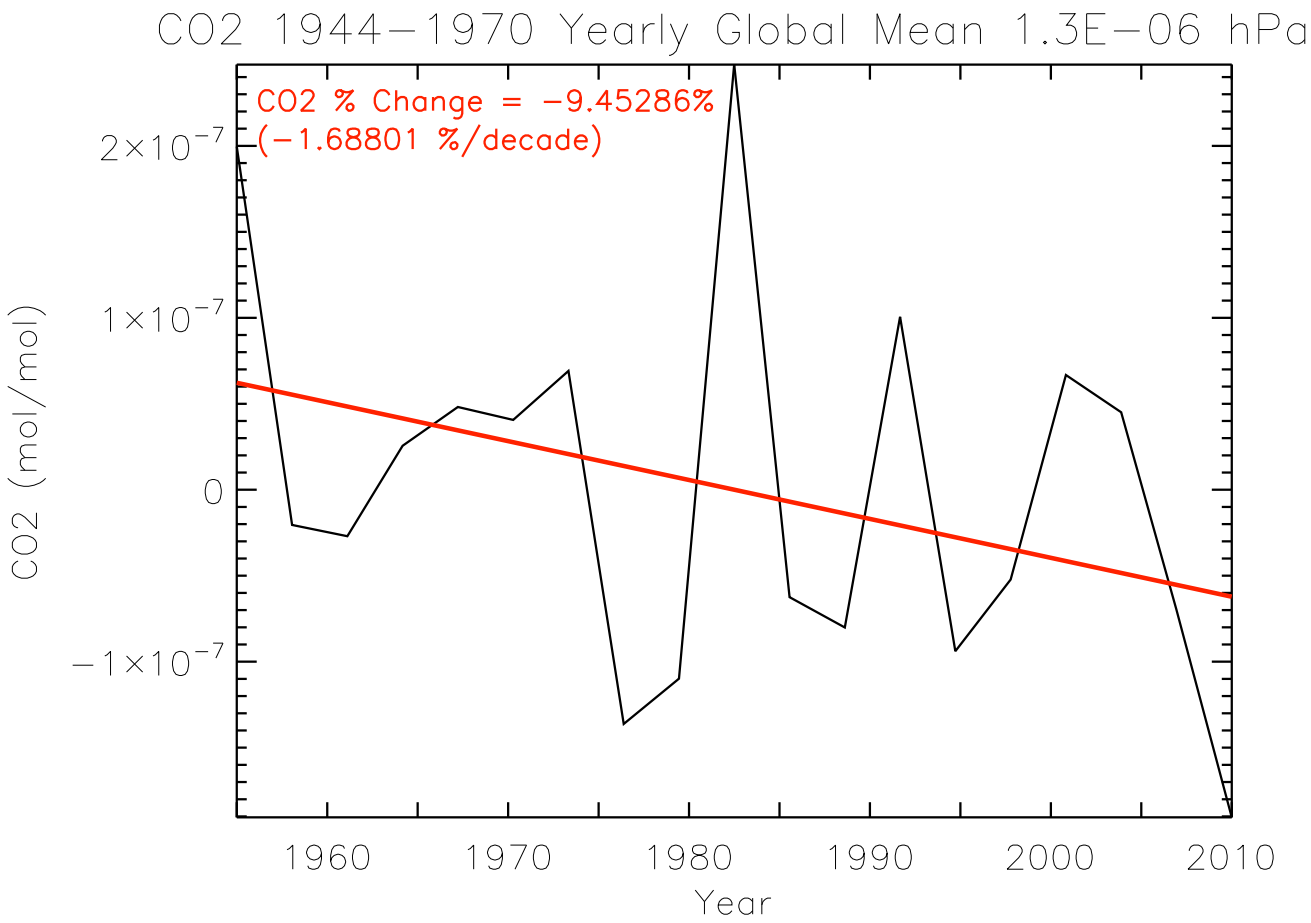

T 1944–1970 Yearly Global Mean 4.9E–07 hPa
T (K)
4
2
0
–2
T Change = –0.433066 K
(–0.0773332 K/decade)
1960
1970
1980
1990
2000
2010
Year

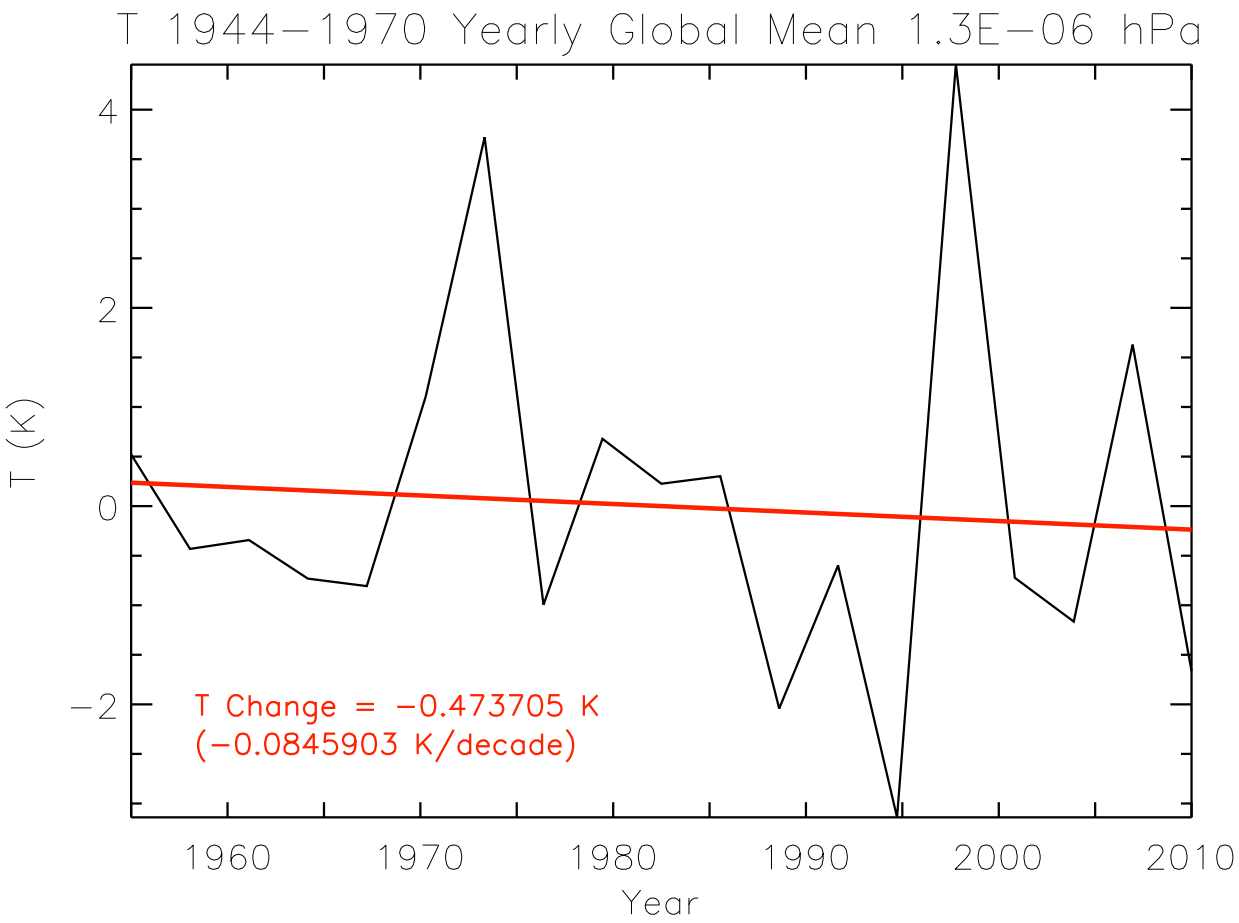

NO 1944–1970 Yearly Global Mean Residuals 4.9E–07 hPa
NO (mol/mol)
5×10⁻⁶
0
−5×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

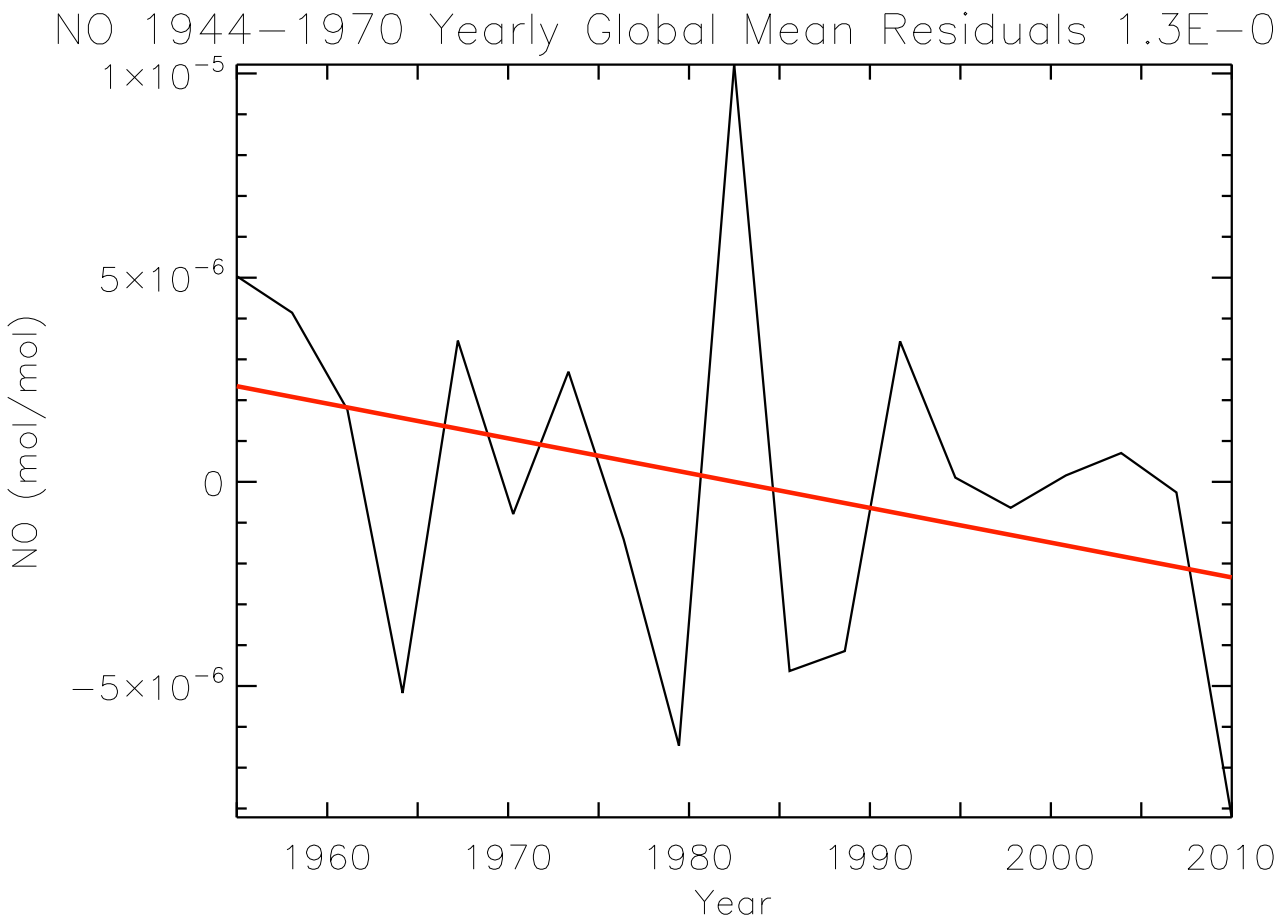

CO2 1944–1970 Yearly Global Mean 8.1E–07 hPa
CO2 % Change = –13.0327%
(–2.32726 %/decade)
1.5×10⁻⁷
1.0×10⁻⁷
5.0×10⁻⁸
0
–5.0×10⁻⁸
–1.0×10⁻⁷
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

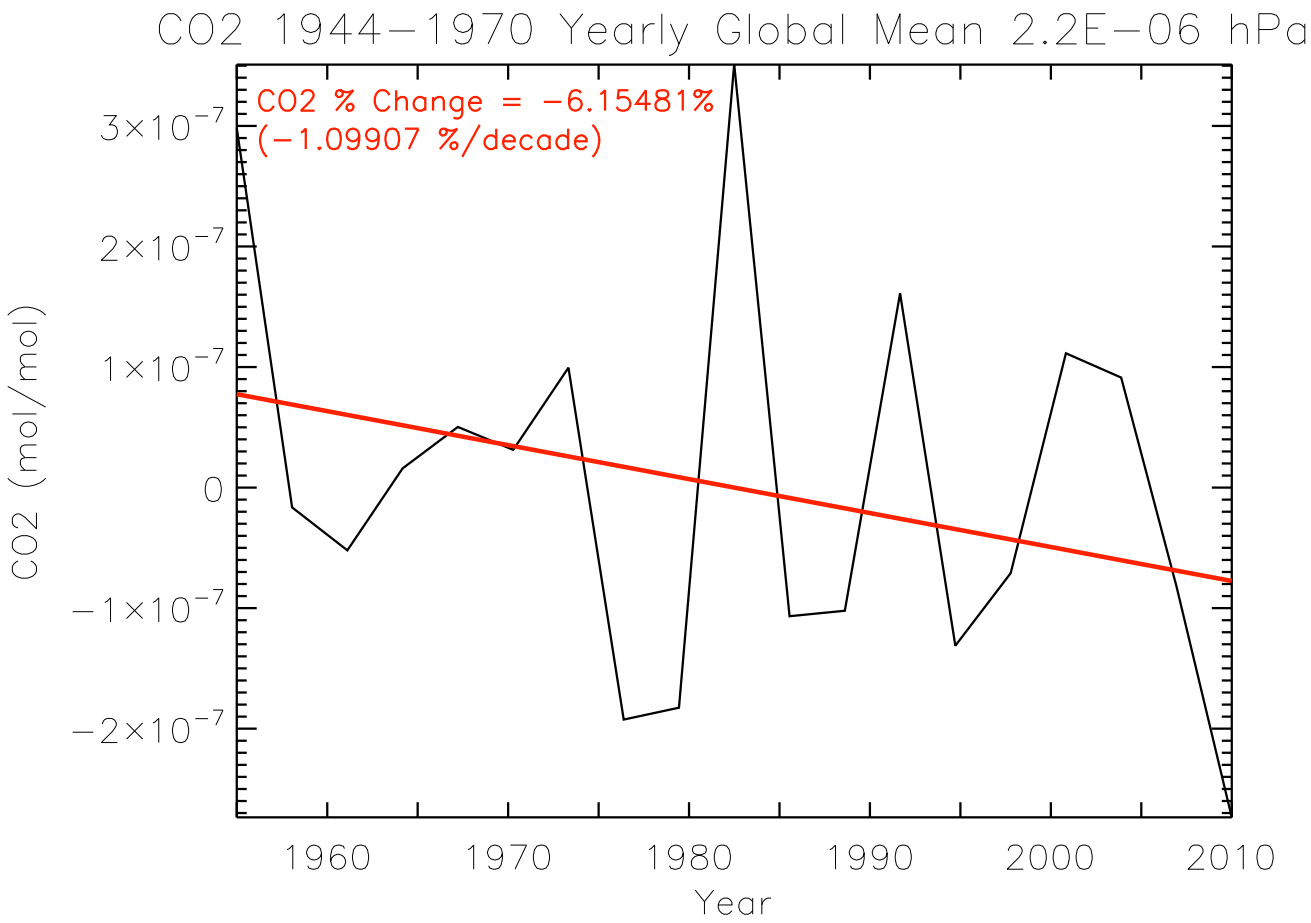

T 1944–1970 Yearly Global Mean 8.1E–07 hPa
T (K)
4
2
0
–2
T Change = –0.474237 K
(–0.0846853 K/decade)
1960
1970
1980
1990
2000
2010
Year

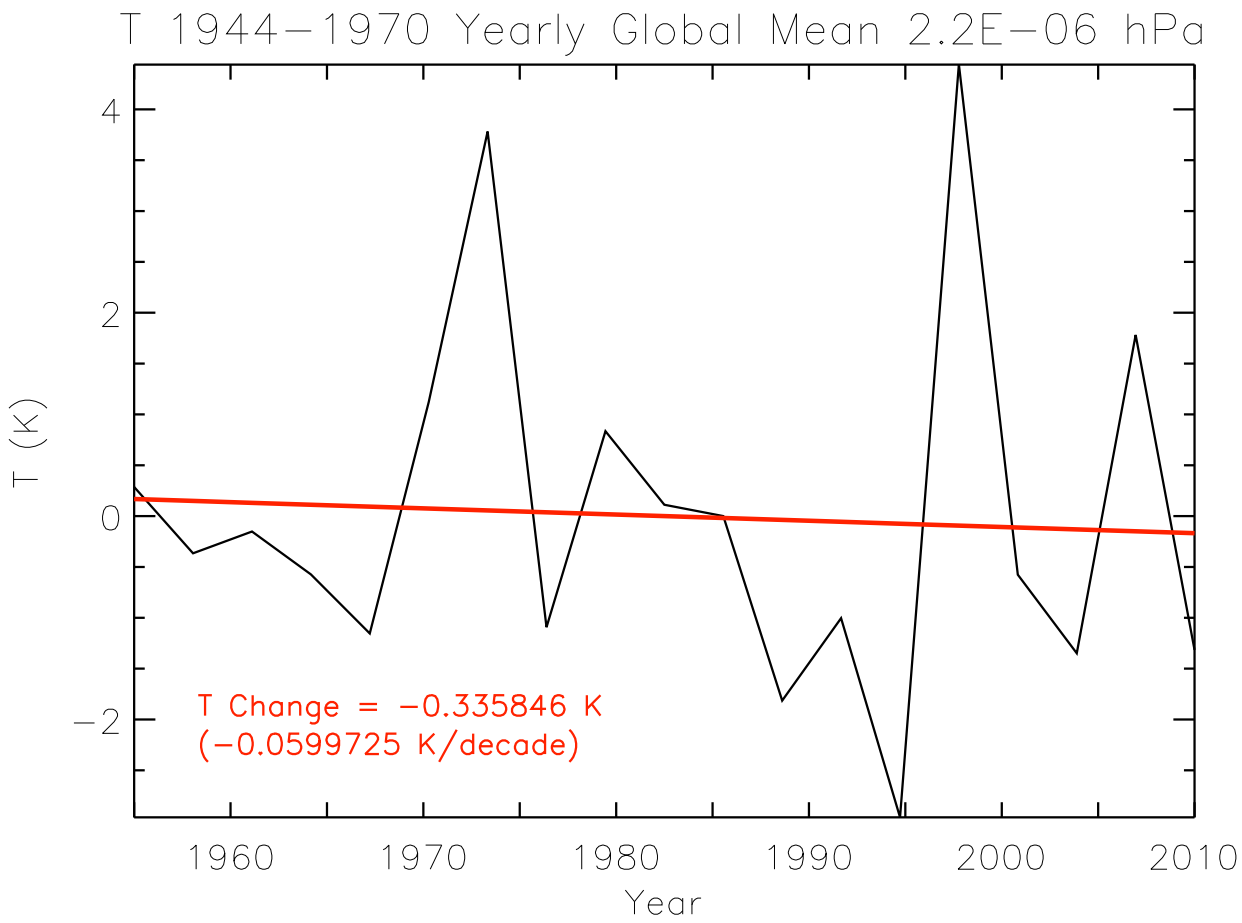

NO 1944–1970 Yearly Global Mean Residuals 8.1E–07 hPa
1×10^−5
5×10^−6
0
−5×10^−6
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

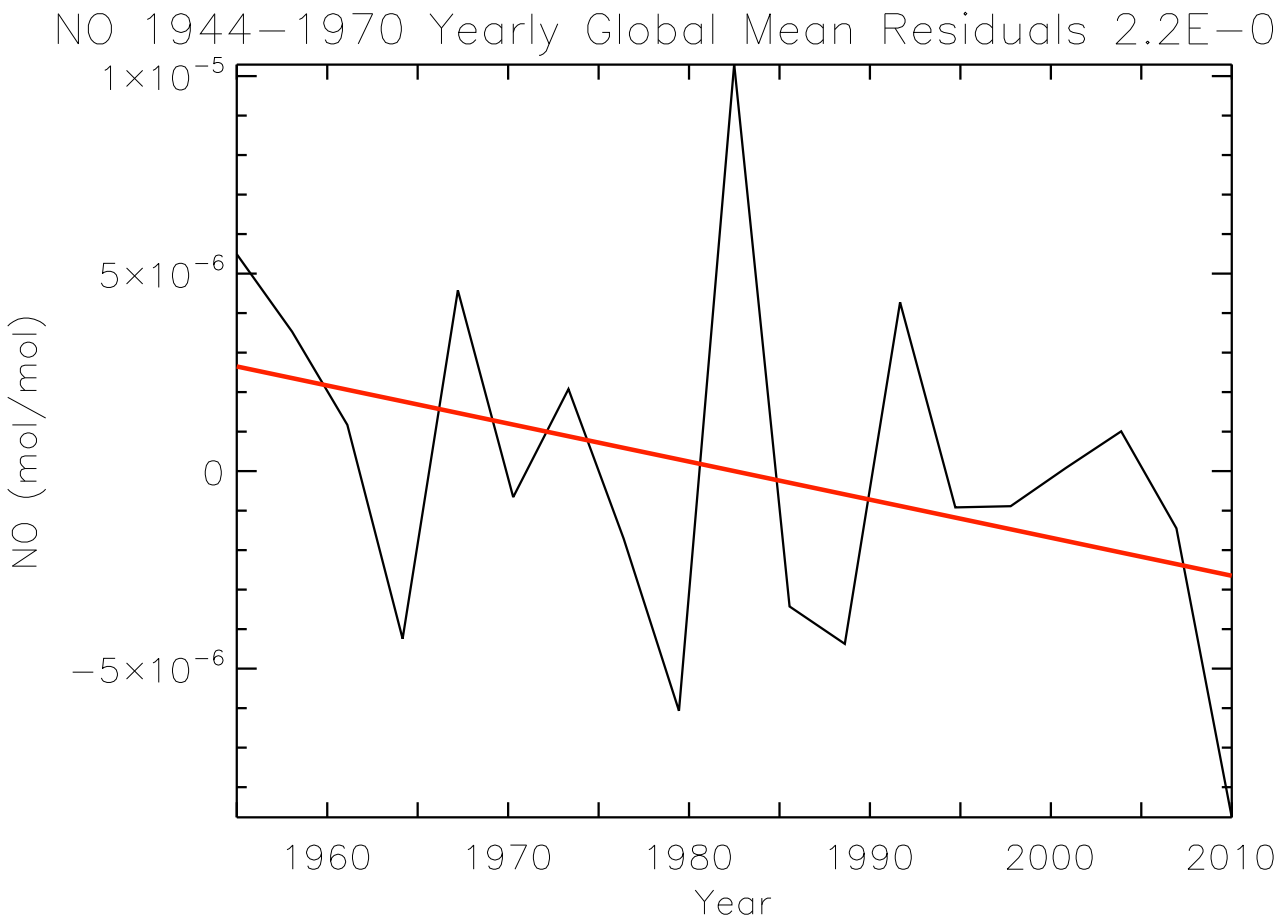

CO2 1944–1970 Yearly Global Mean 1.3E–06 hPa
CO2 % Change = –9.45286%
(–1.68801 %/decade)
2×10⁻⁷
1×10⁻⁷
0
–1×10⁻⁷
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

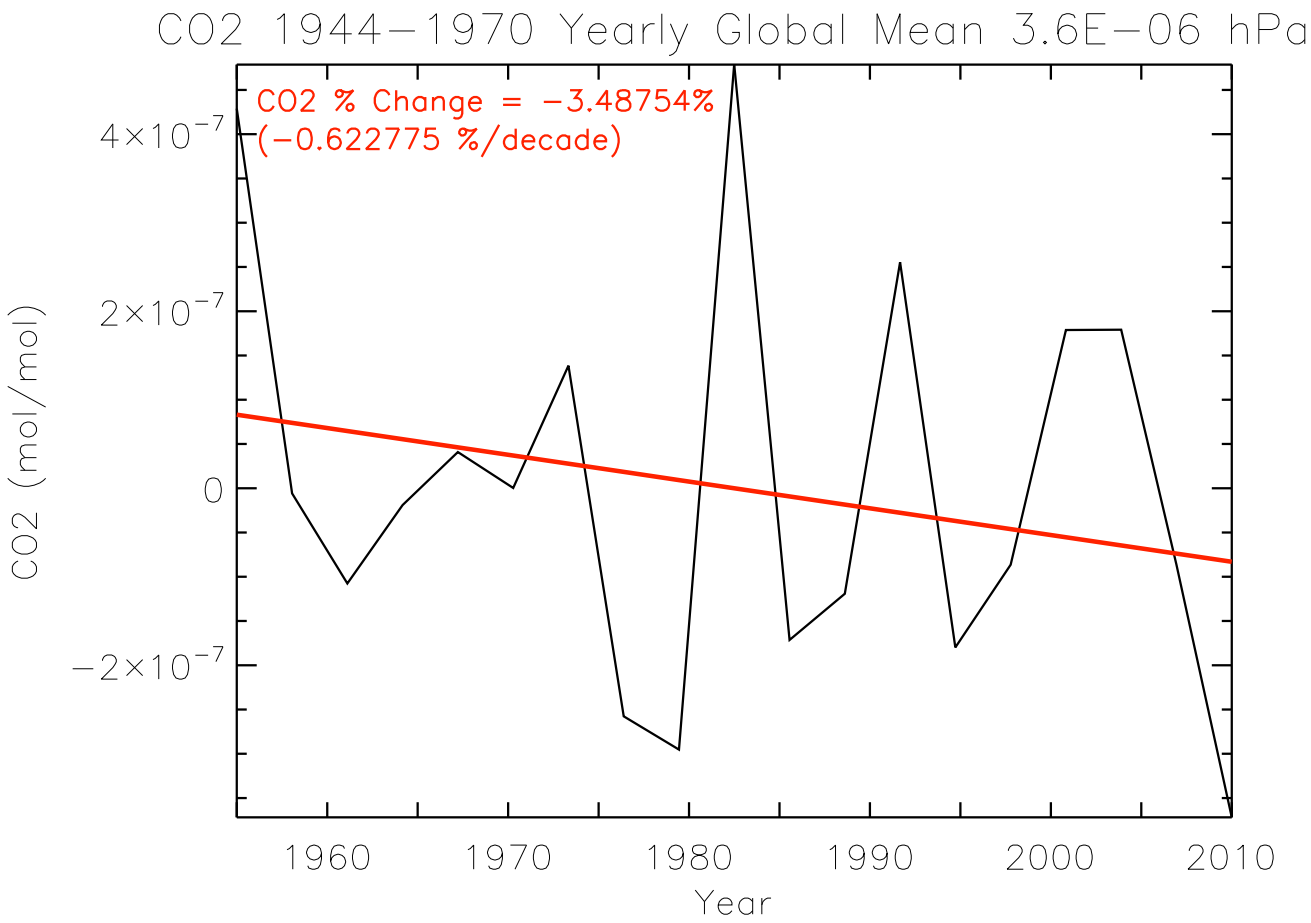

T 1944–1970 Yearly Global Mean 1.3E–06 hPa
T (K)
4
2
0
–2
T Change = –0.473705 K
(–0.0845903 K/decade)
1960
1970
1980
1990
2000
2010
Year

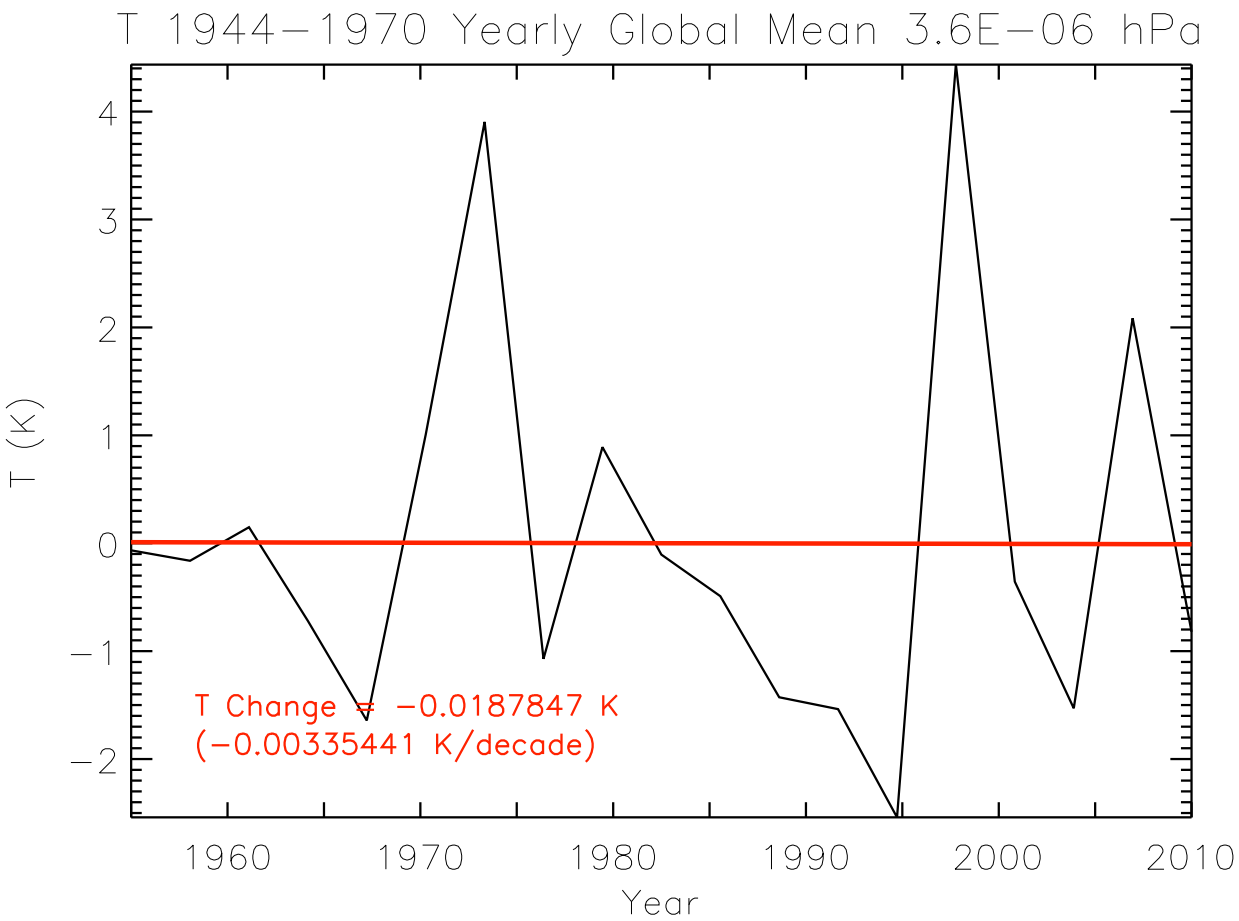

NO 1944–1970 Yearly Global Mean Residuals 1.3E–06 hPa
1×10^−5
5×10^−6
0
−5×10^−6
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

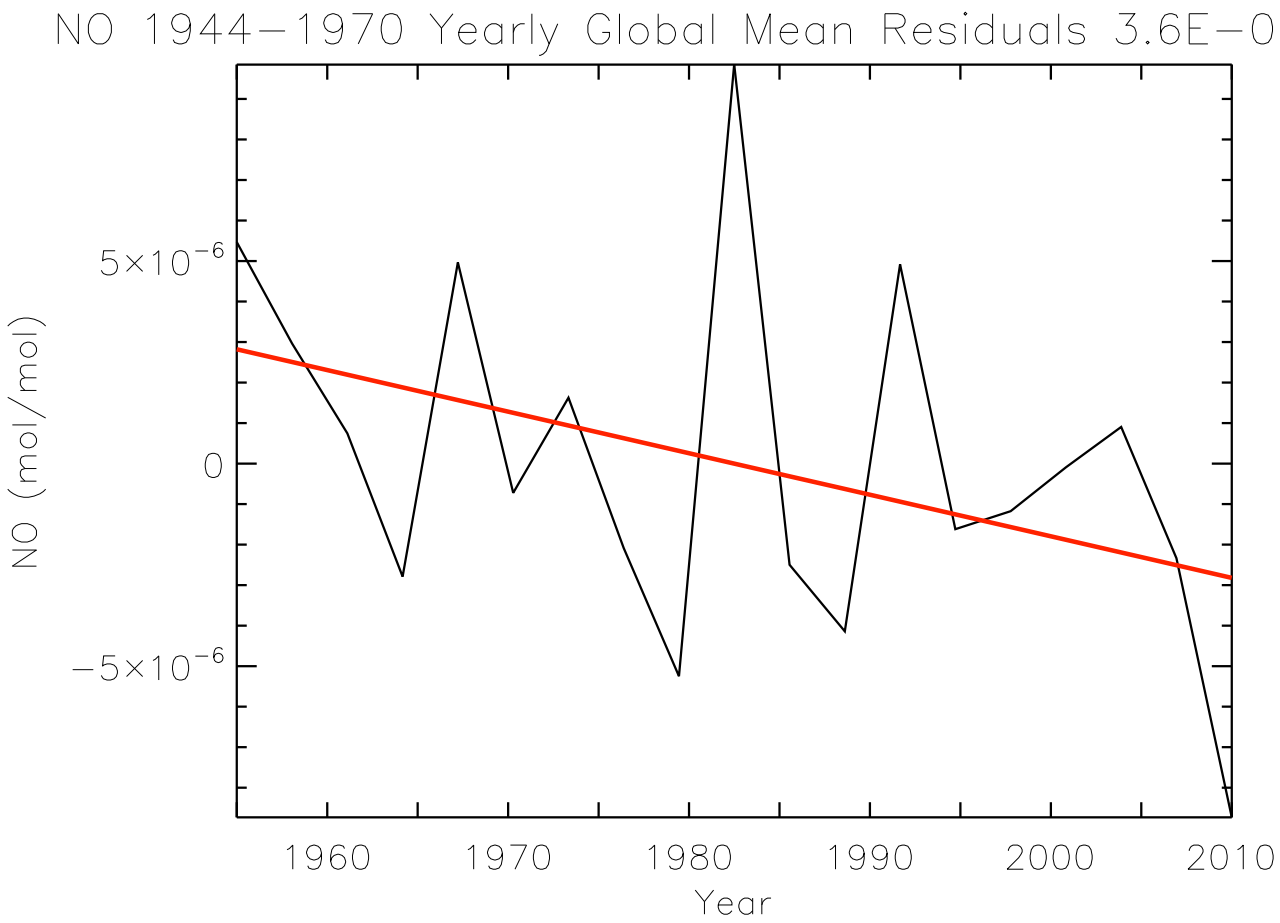

CO2 1944–1970 Yearly Global Mean 2.2E–06 hPa
CO2 % Change = –6.15481%
(–1.09907 %/decade)
3×10⁻⁷
2×10⁻⁷
1×10⁻⁷
0
–1×10⁻⁷
–2×10⁻⁷
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

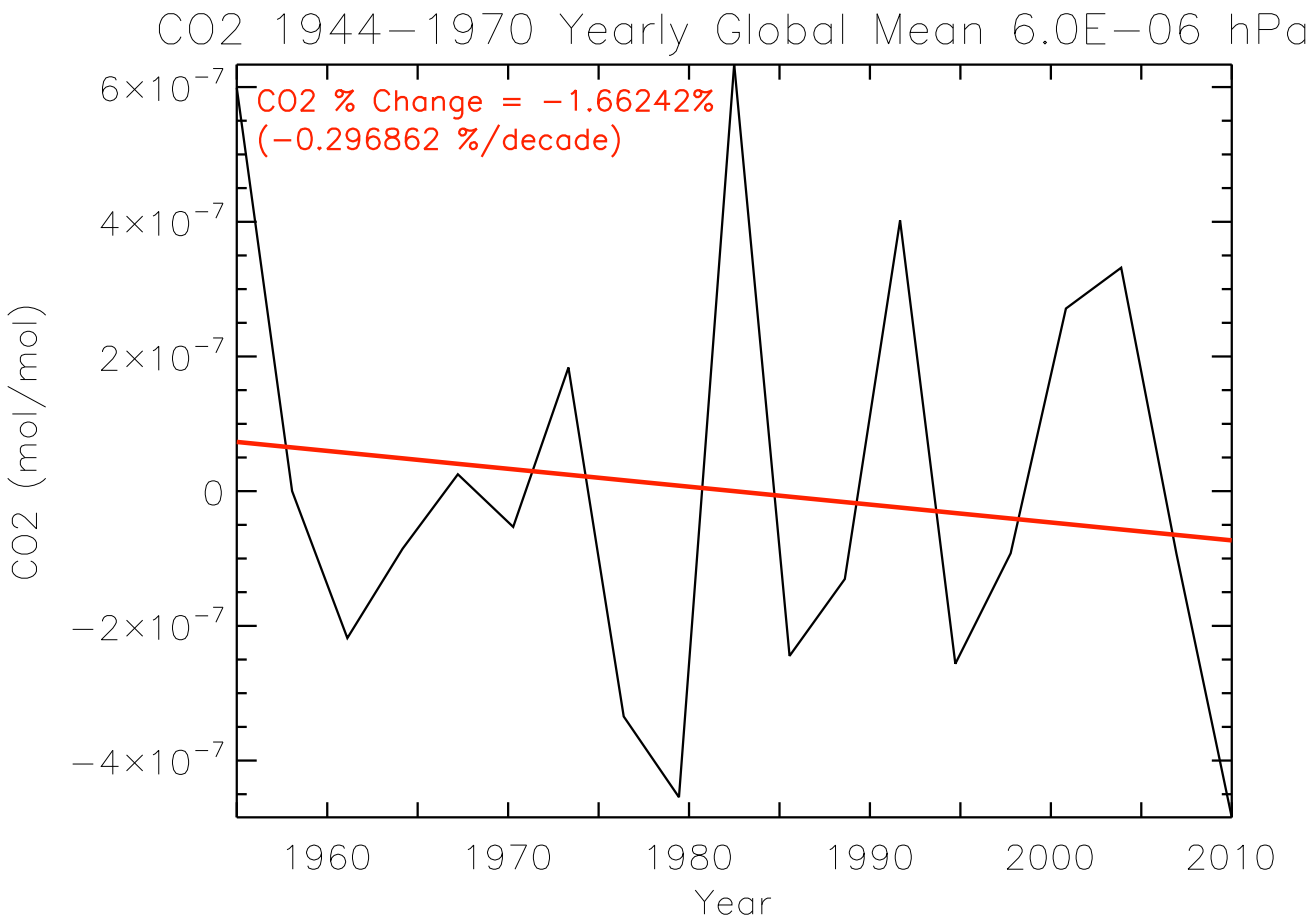

T 1944–1970 Yearly Global Mean 2.2E–06 hPa
T (K)
4
2
0
–2
T Change = –0.335846 K
(–0.0599725 K/decade)
1960
1970
1980
1990
2000
2010
Year

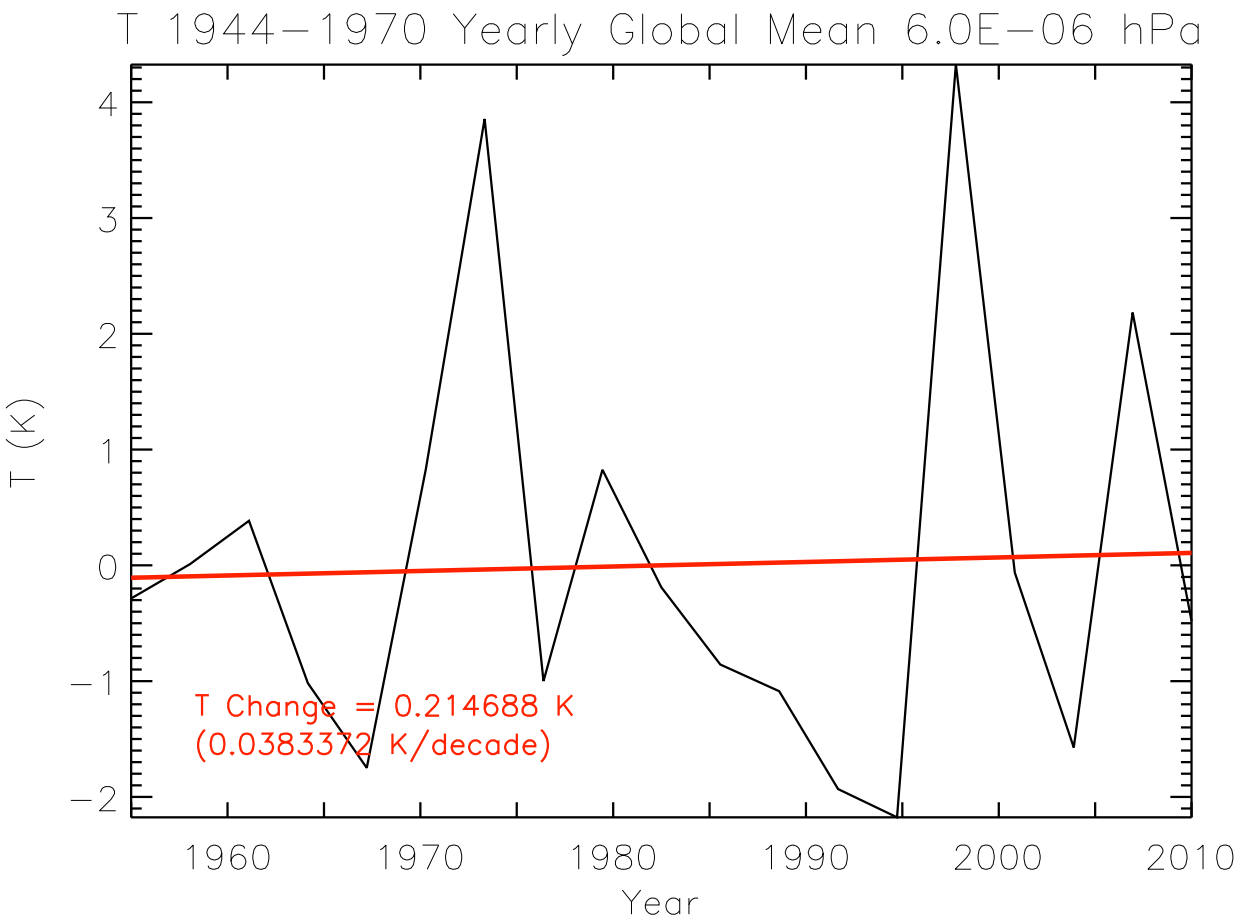

NO 1944–1970 Yearly Global Mean Residuals 2.2E–06 hPa
1×10^−5
5×10^−6
0
−5×10^−6
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

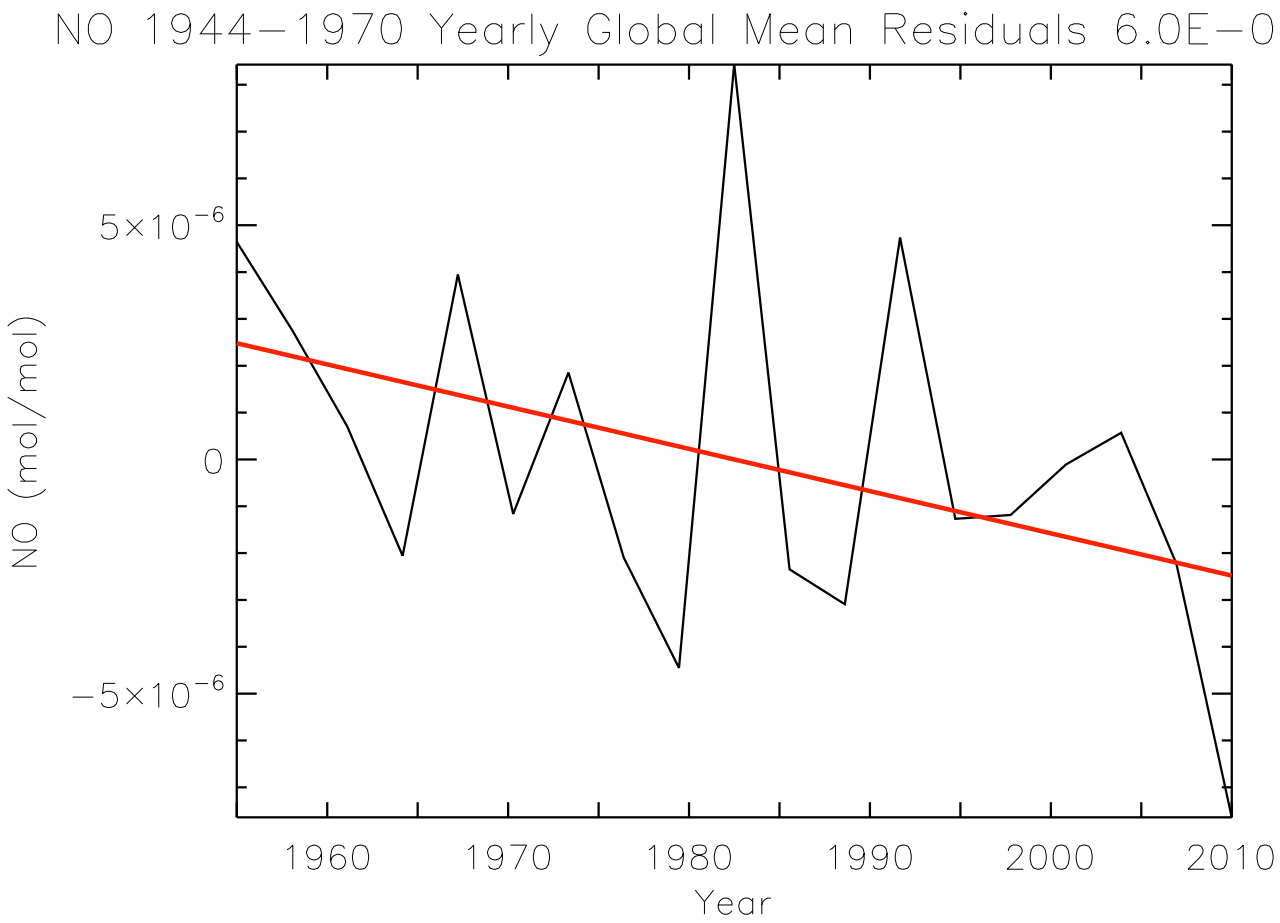

CO2 1944–1970 Yearly Global Mean 3.6E–06 hPa
CO2 % Change = –3.48754%
(–0.622775 %/decade)
4×10⁻⁷
2×10⁻⁷
0
–2×10⁻⁷
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

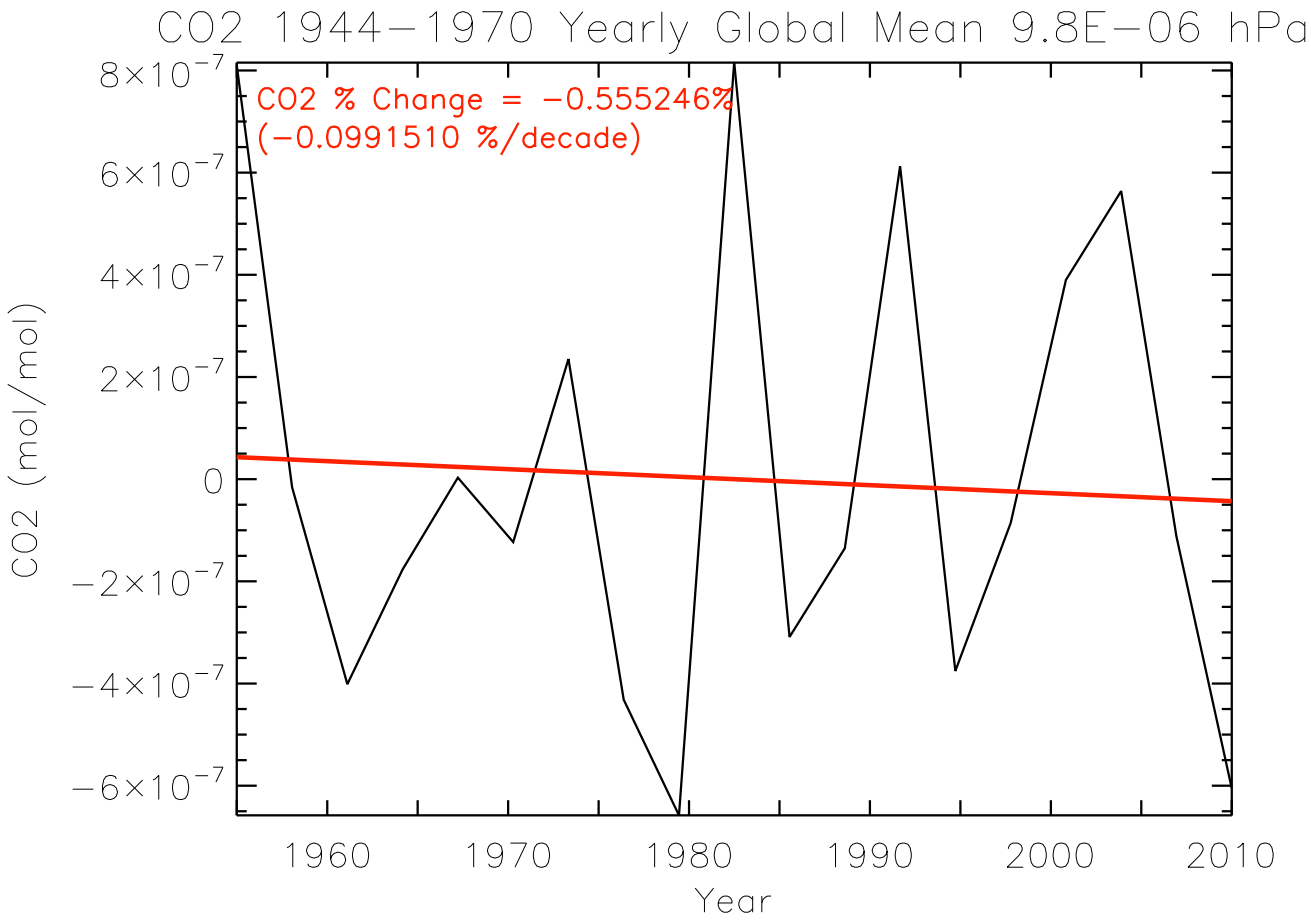

T 1944–1970 Yearly Global Mean 3.6E–06 hPa
T (K)
4
3
2
1
0
–1
–2
T Change = –0.0187847 K
(–0.00335441 K/decade)
1960
1970
1980
1990
2000
2010
Year

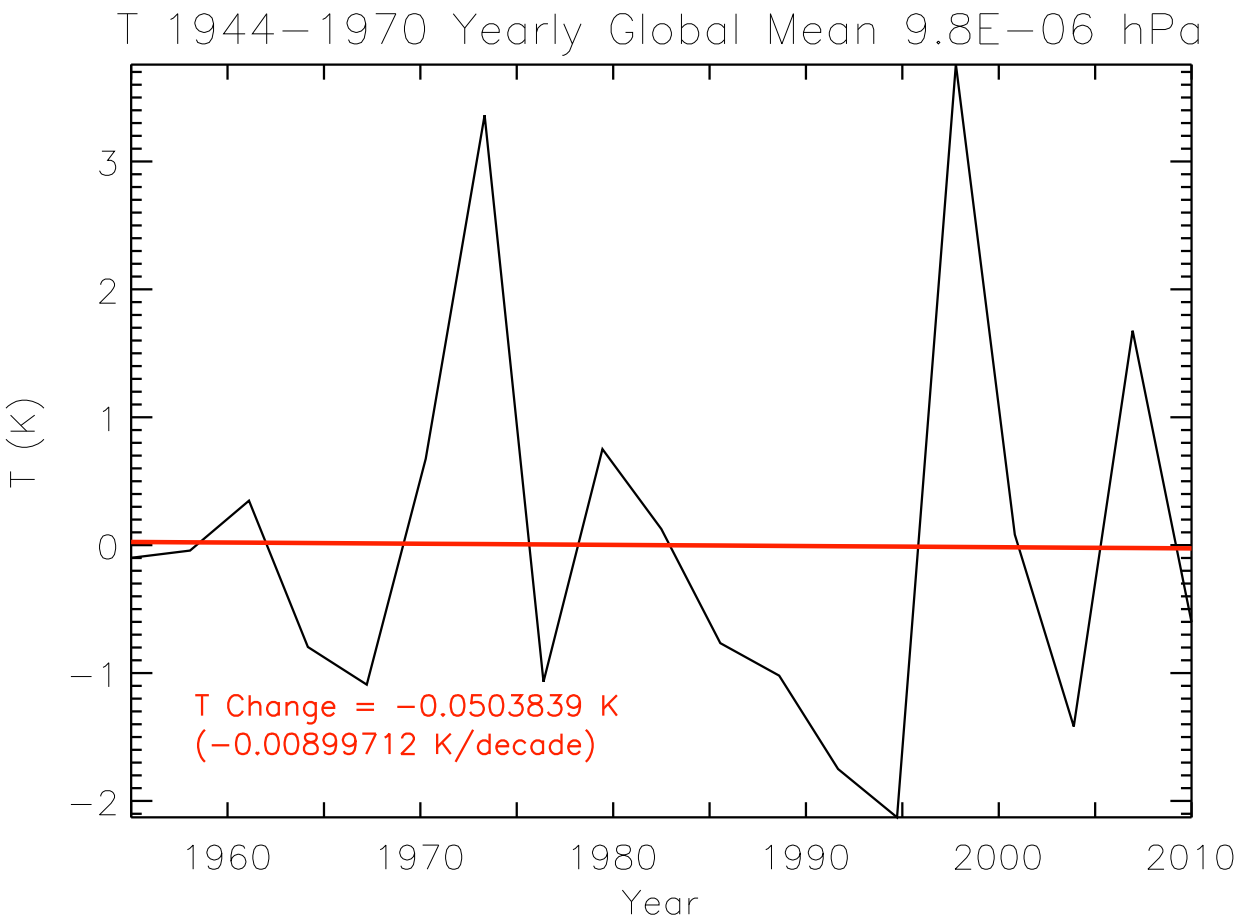

NO 1944–1970 Yearly Global Mean Residuals 3.6E–06 hPa
5×10⁻⁶
0
−5×10⁻⁶
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

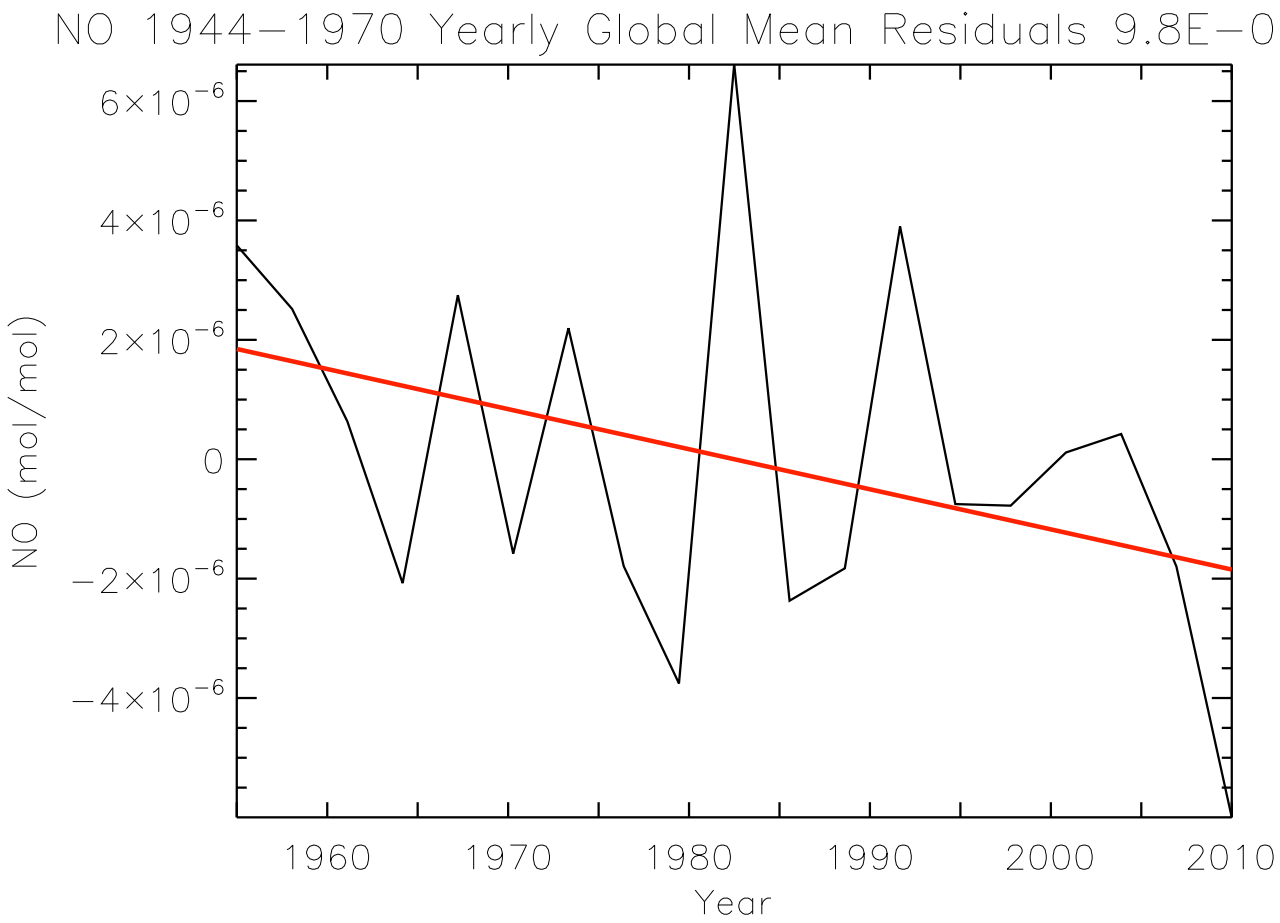

CO2 1944–1970 Yearly Global Mean 6.0E–06 hPa
CO2 % Change = –1.66242%
(–0.296862 %/decade)
6×10⁻⁷
4×10⁻⁷
2×10⁻⁷
0
–2×10⁻⁷
–4×10⁻⁷
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

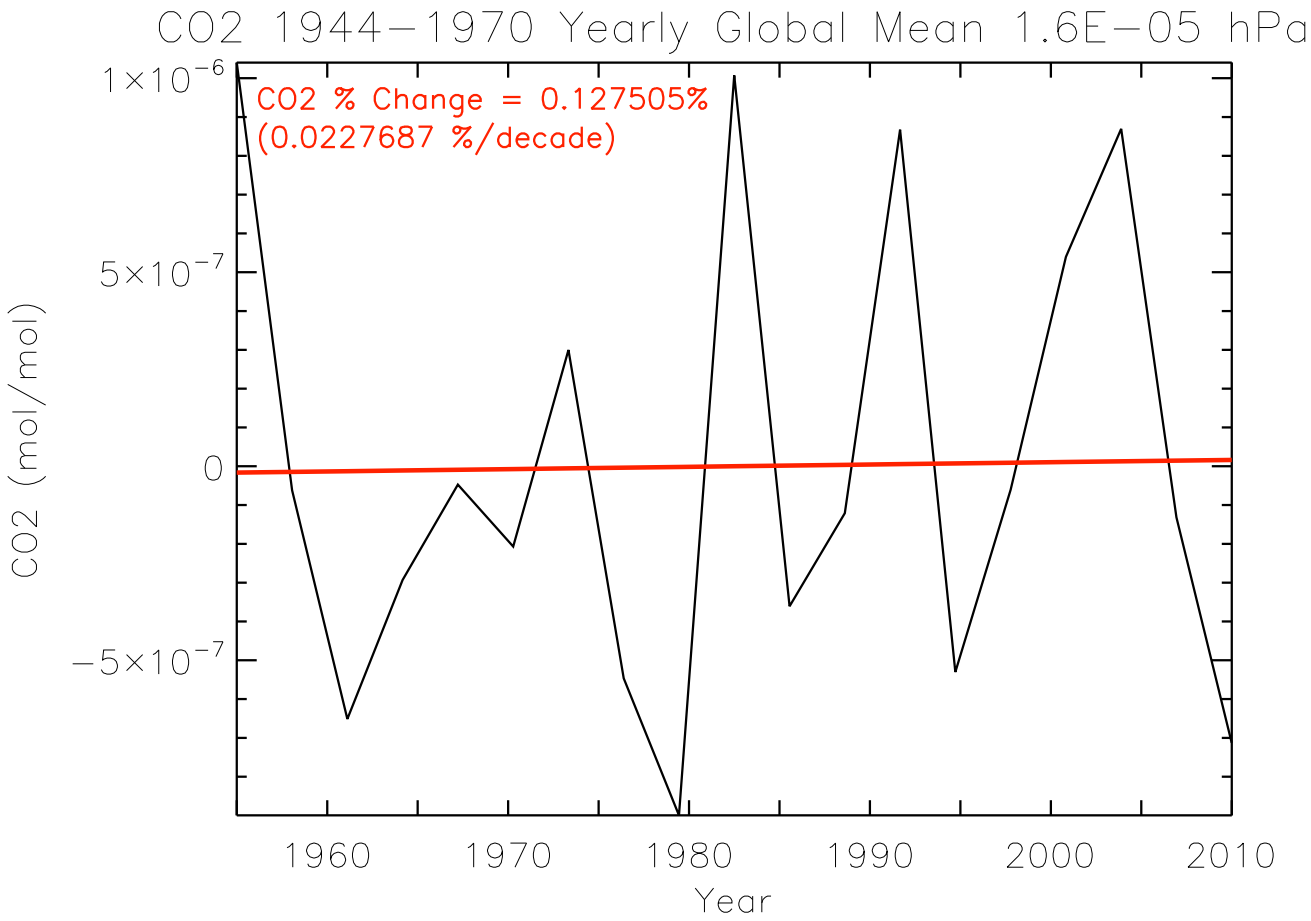

T 1944–1970 Yearly Global Mean 6.0E–06 hPa
T (K)
4
3
2
1
0
–1
–2
T Change = 0.214688 K
(0.0383372 K/decade)
1960
1970
1980
1990
2000
2010
Year

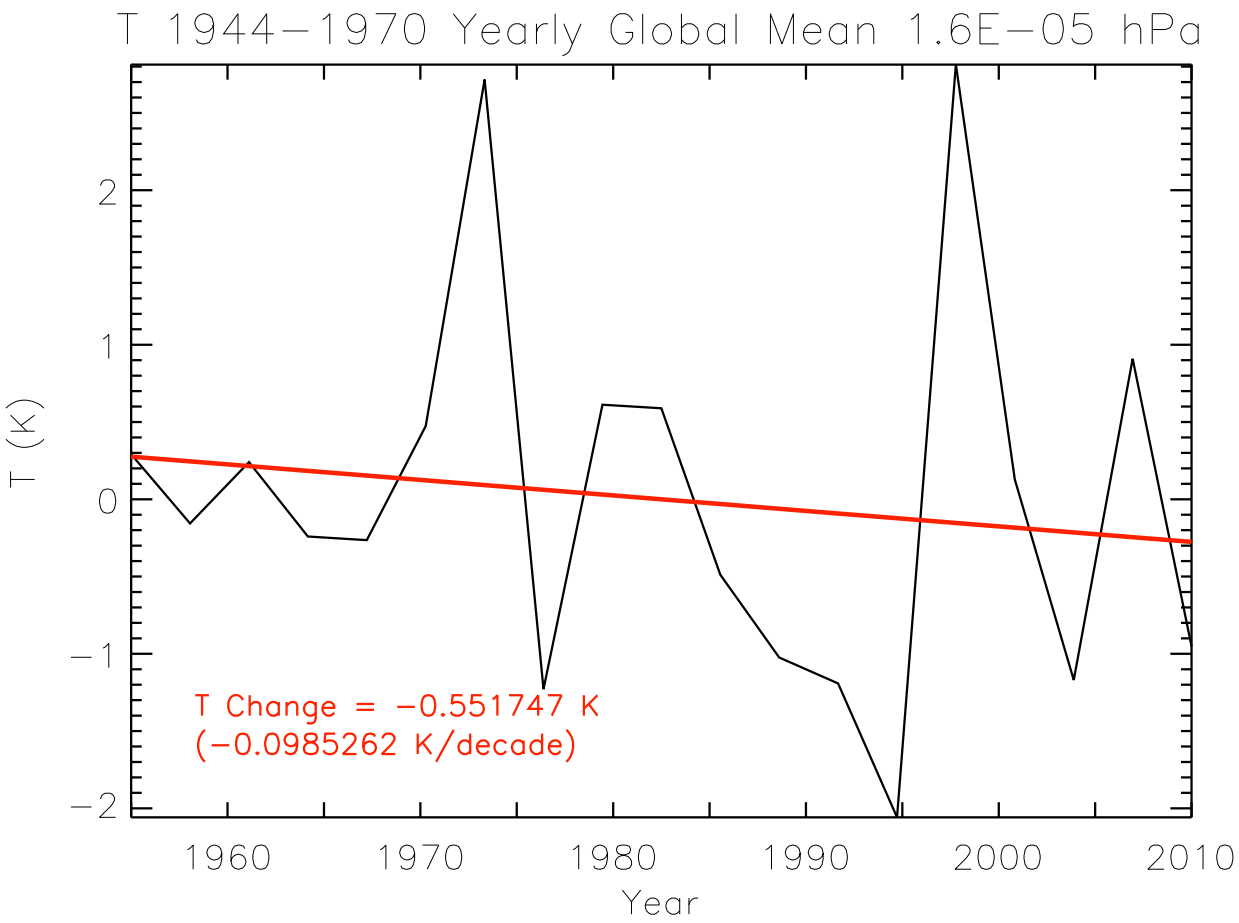

NO 1944–1970 Yearly Global Mean Residuals 6.0E–06 hPa
5×10⁻⁶
0
−5×10⁻⁶
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

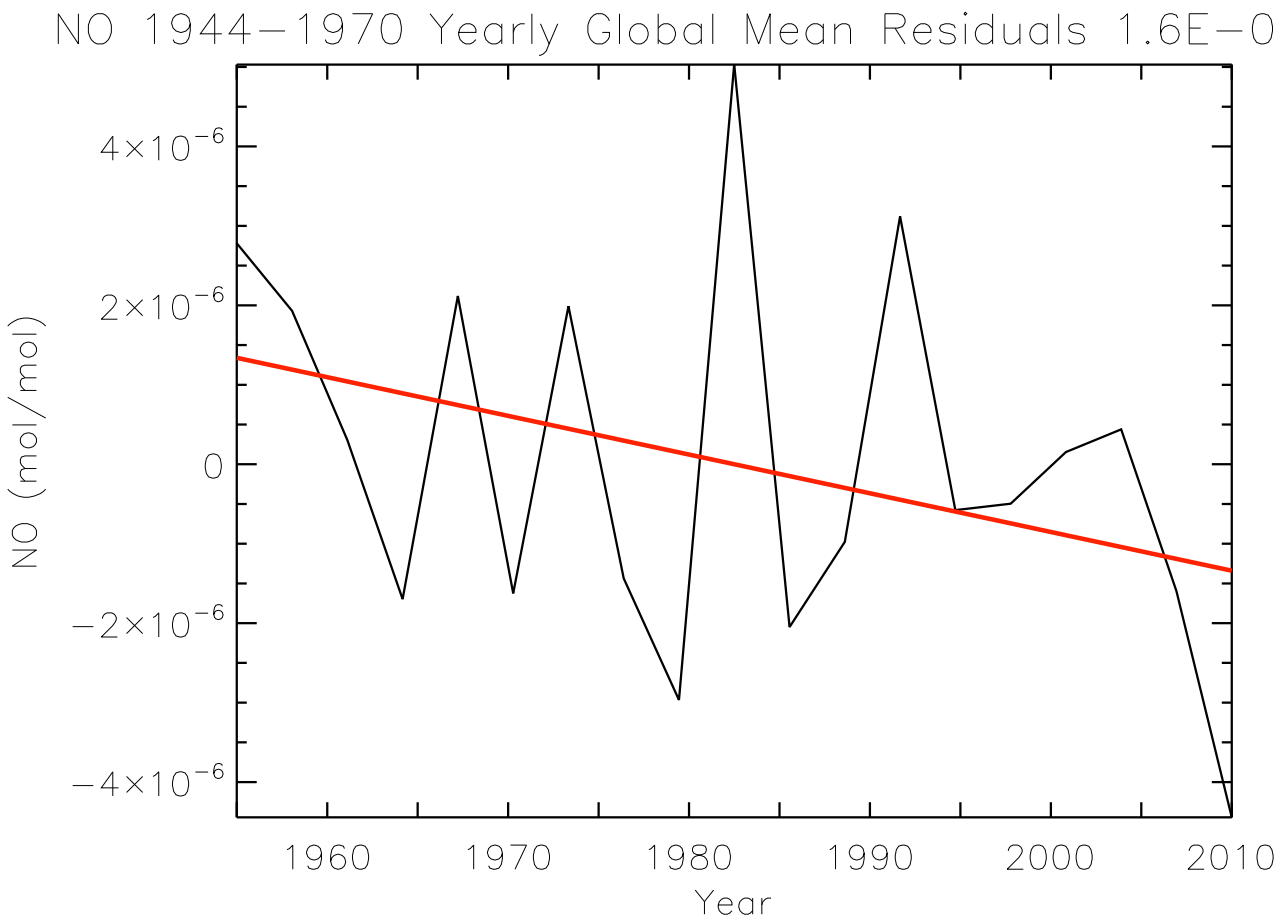

CO2 1944–1970 Yearly Global Mean 9.8E–06 hPa
CO2 % Change = –0.555246%
(–0.0991510 %/decade)
8×10⁻⁷
6×10⁻⁷
4×10⁻⁷
2×10⁻⁷
0
–2×10⁻⁷
–4×10⁻⁷
–6×10⁻⁷
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

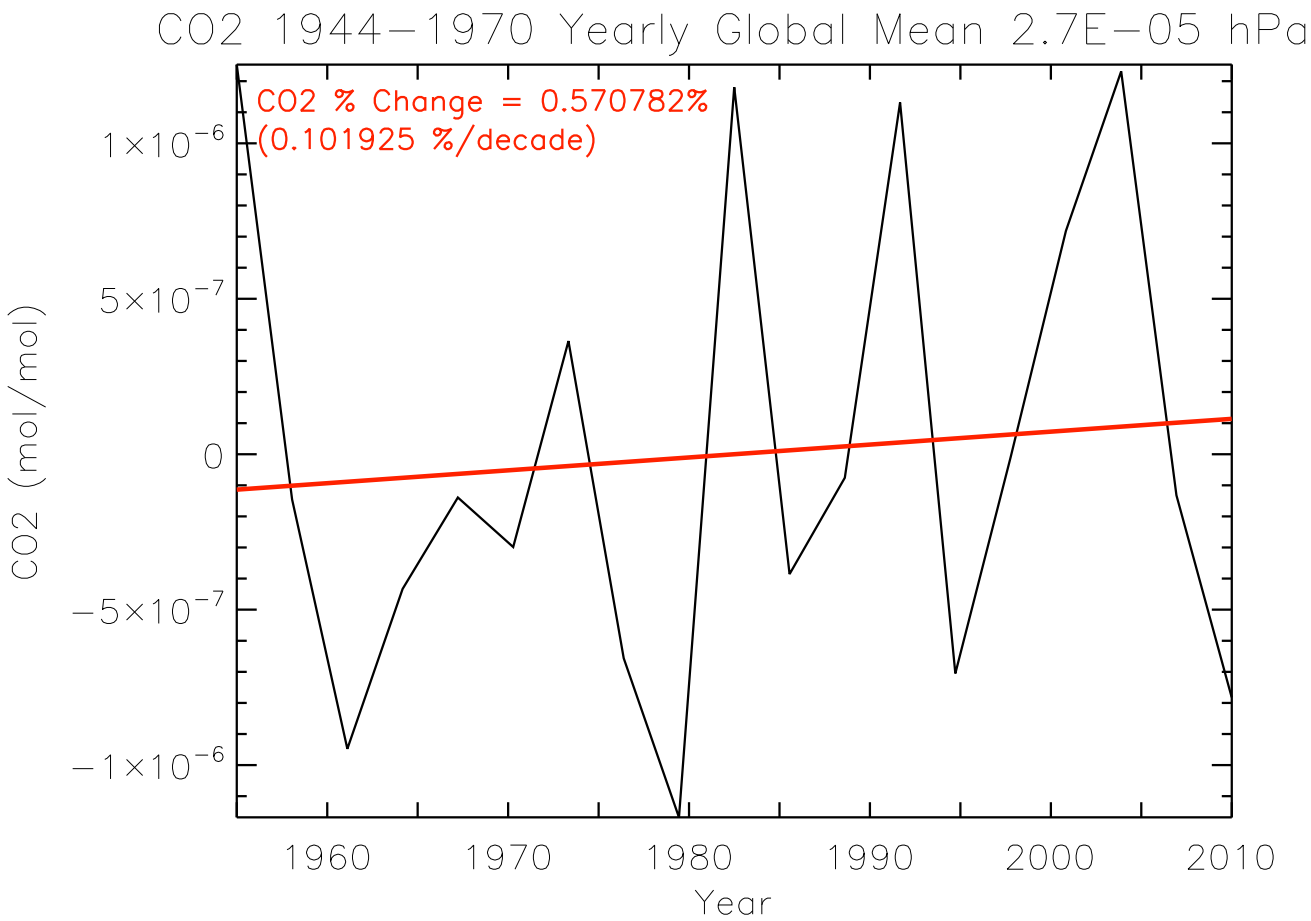

T 1944–1970 Yearly Global Mean 9.8E–06 hPa
T (K)
3
2
1
0
–1
–2
T Change = –0.0503839 K
(–0.00899712 K/decade)
1960
1970
1980
1990
2000
2010
Year

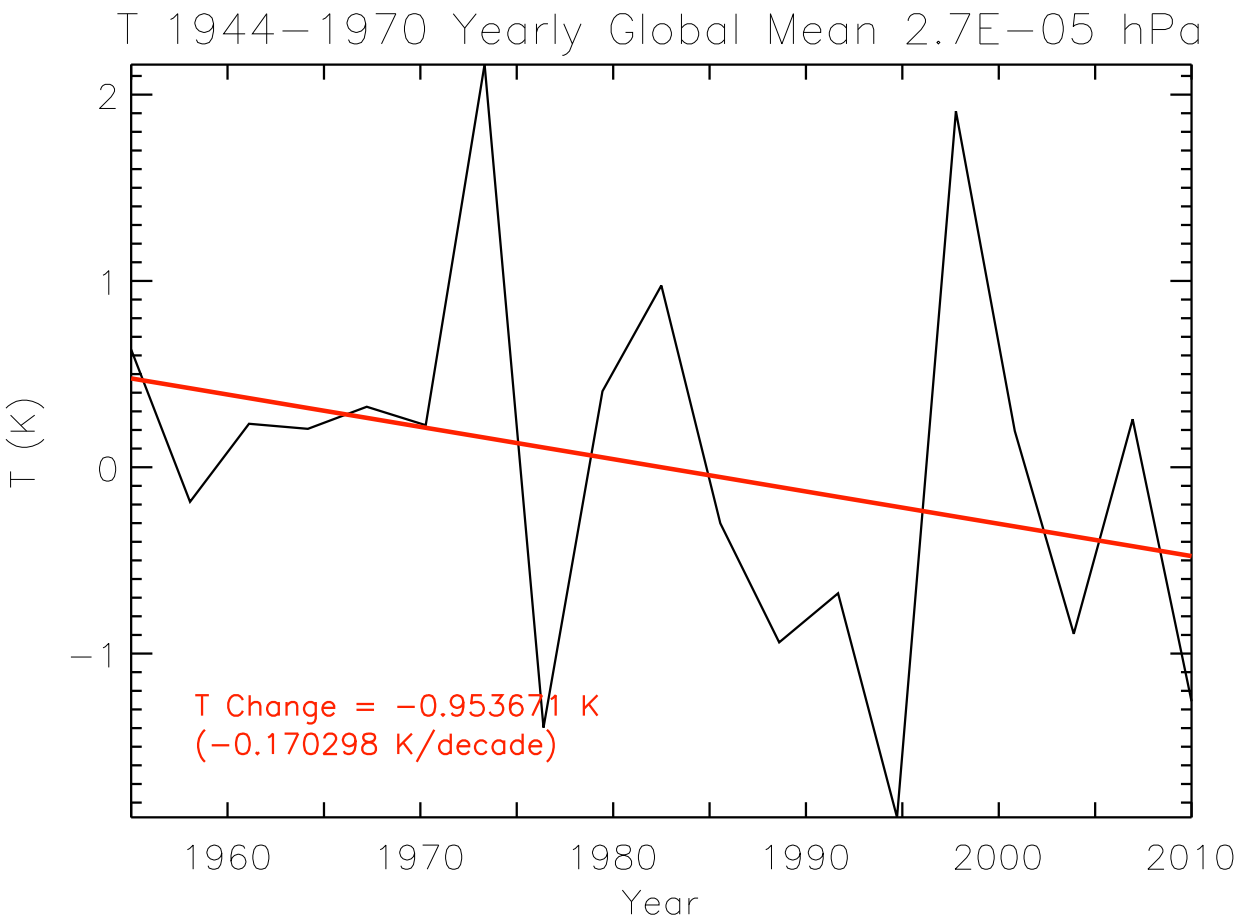

NO 1944–1970 Yearly Global Mean Residuals 9.8E–06 hPa
6×10⁻⁶
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
−4×10⁻⁶
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

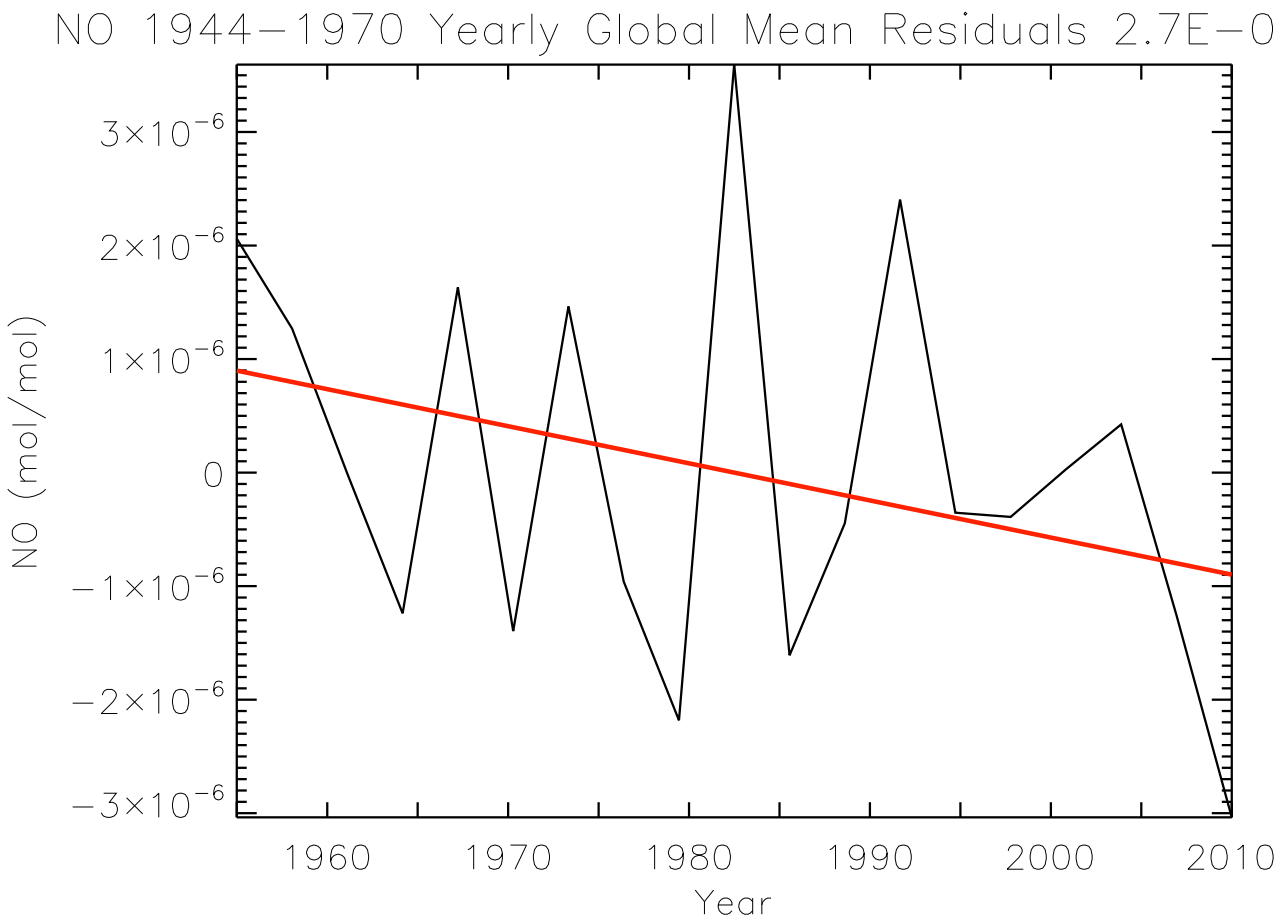

CO2 1944–1970 Yearly Global Mean 1.6E–05 hPa
CO2 % Change = 0.127505%
(0.0227687 %/decade)
1×10⁻⁶
5×10⁻⁷
0
−5×10⁻⁷
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

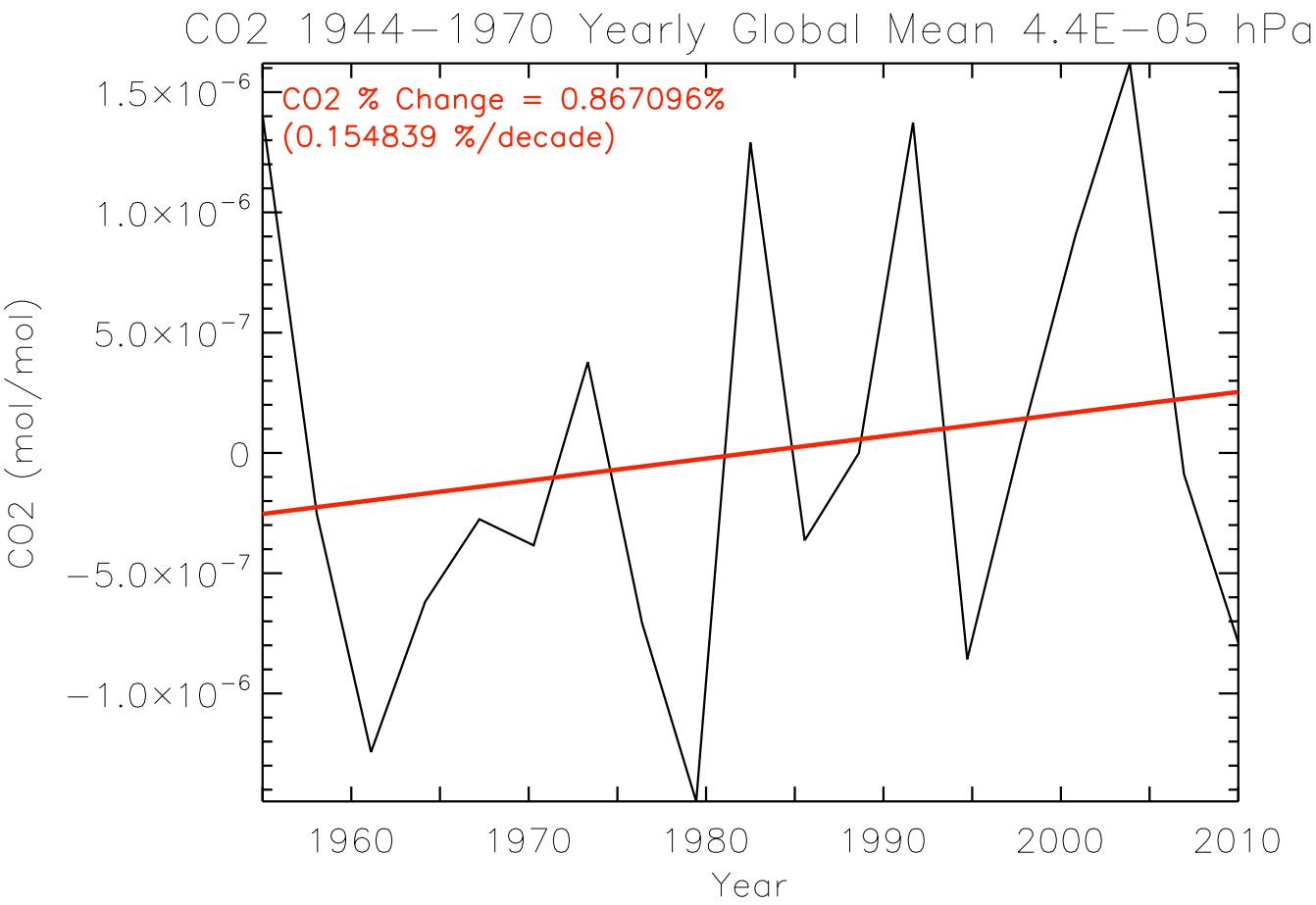

T 1944–1970 Yearly Global Mean 1.6E–05 hPa
T (K)
2
1
0
–1
–2
1960
1970
1980
1990
2000
2010
Year
T Change = –0.551747 K
(–0.0985262 K/decade)

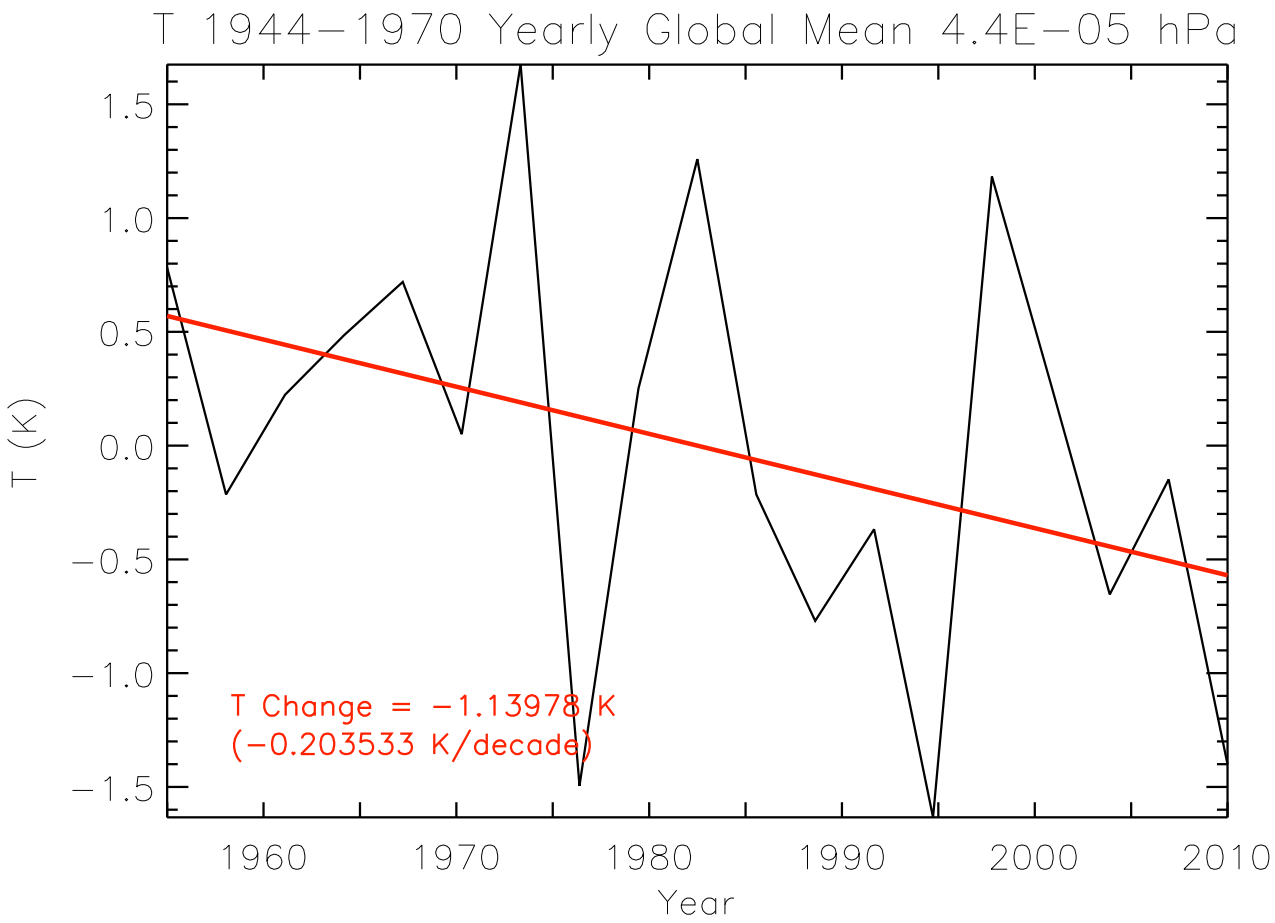

NO 1944–1970 Yearly Global Mean Residuals 1.6E–05 hPa
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
−4×10⁻⁶
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

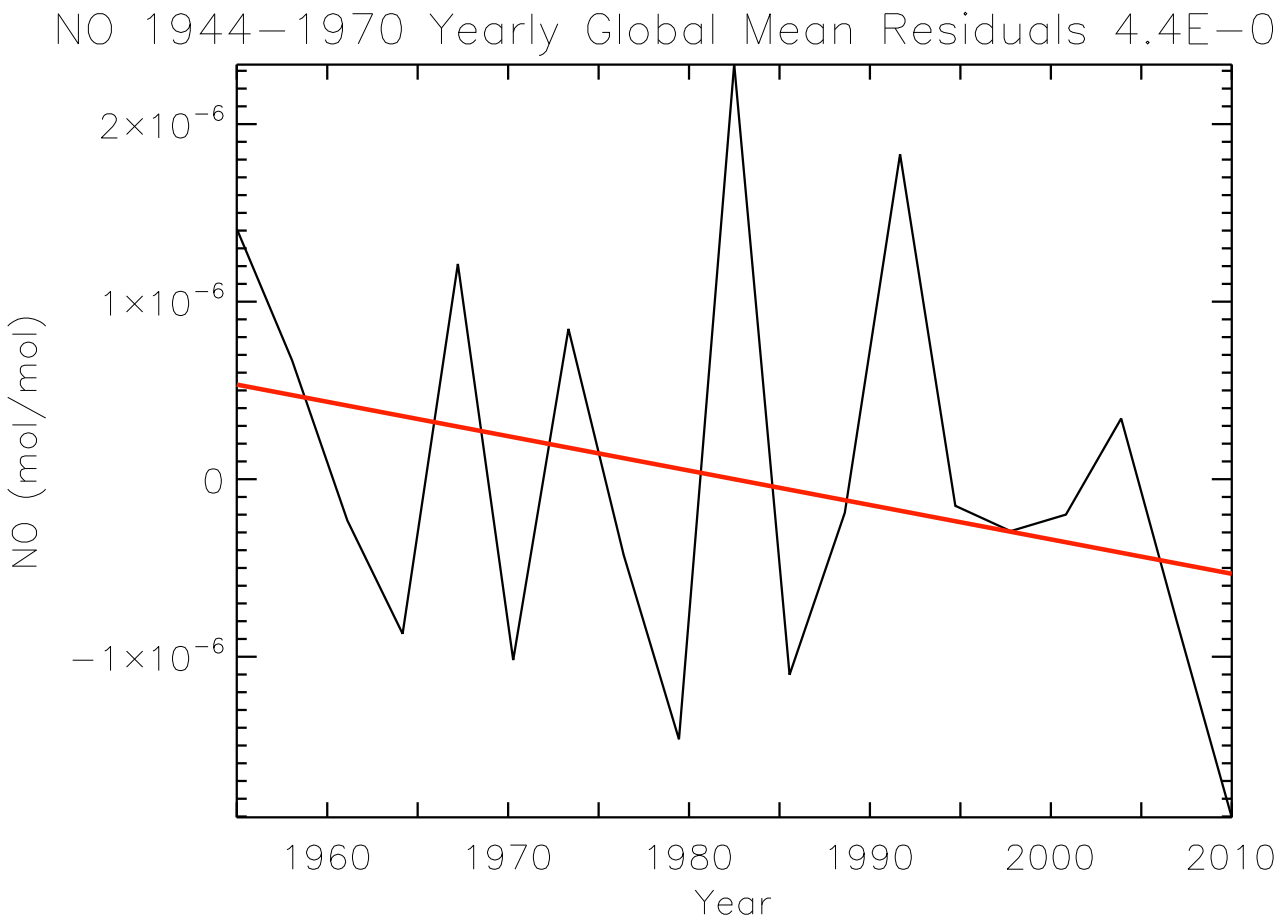

CO2 1944–1970 Yearly Global Mean 2.7E–05 hPa
CO2 % Change = 0.570782%
(0.101925 %/decade)
1×10⁻⁶
5×10⁻⁷
0
−5×10⁻⁷
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

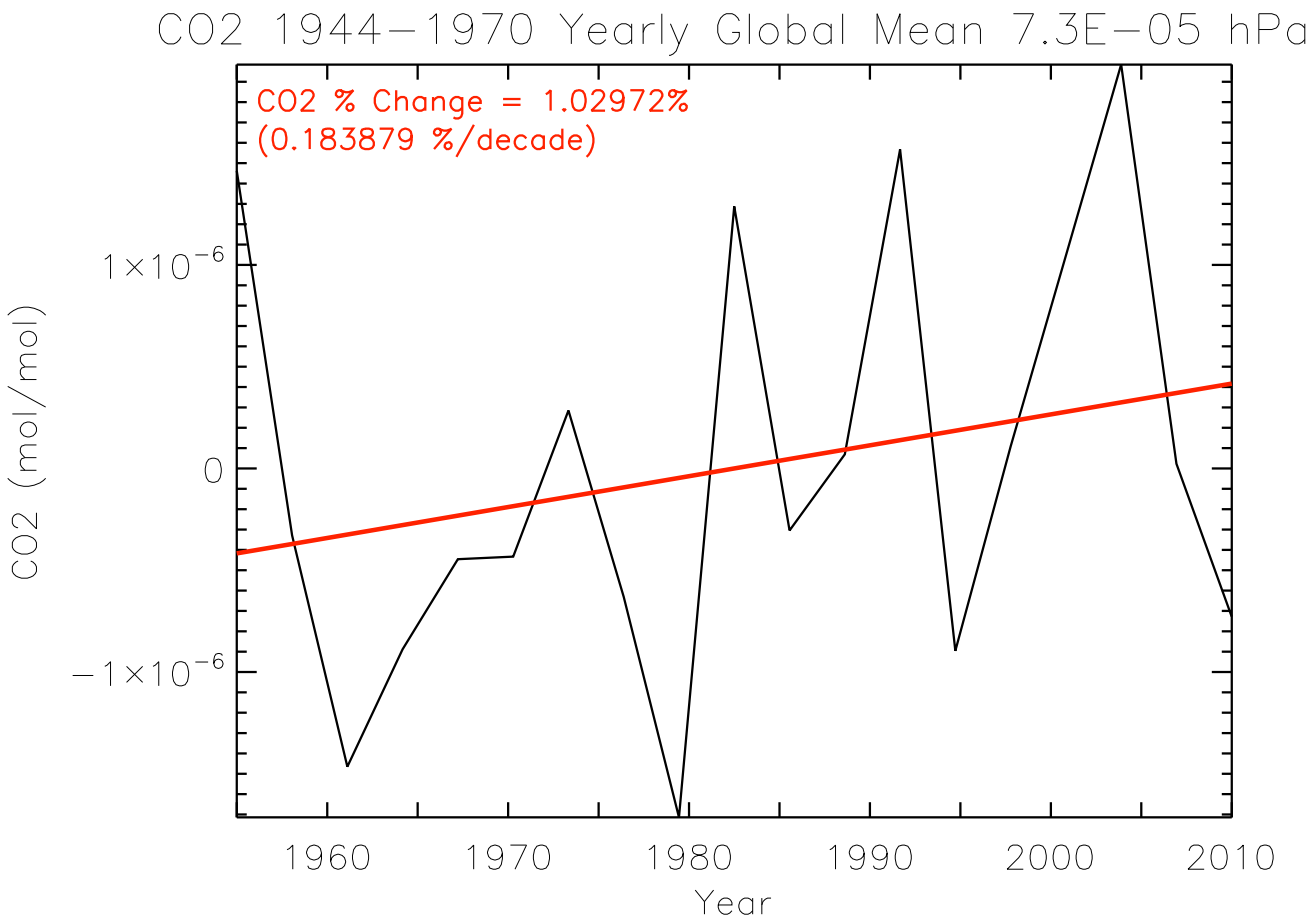

T 1944–1970 Yearly Global Mean 2.7E–05 hPa
T (K)
2
1
0
–1
T Change = –0.953671 K
(–0.170298 K/decade)
1960
1970
1980
1990
2000
2010
Year

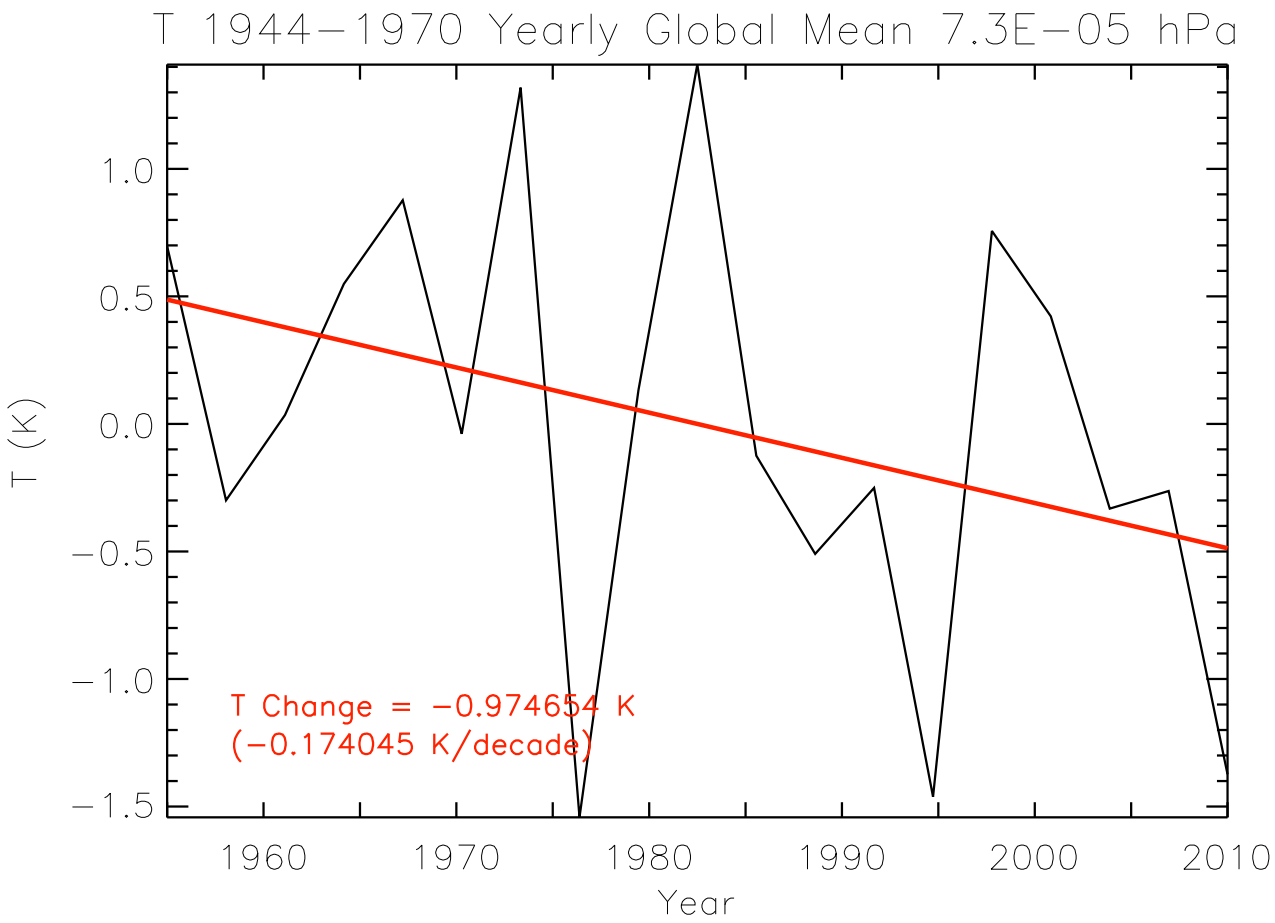

NO 1944–1970 Yearly Global Mean Residuals 2.7E–05 hPa
NO (mol/mol)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
−3×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

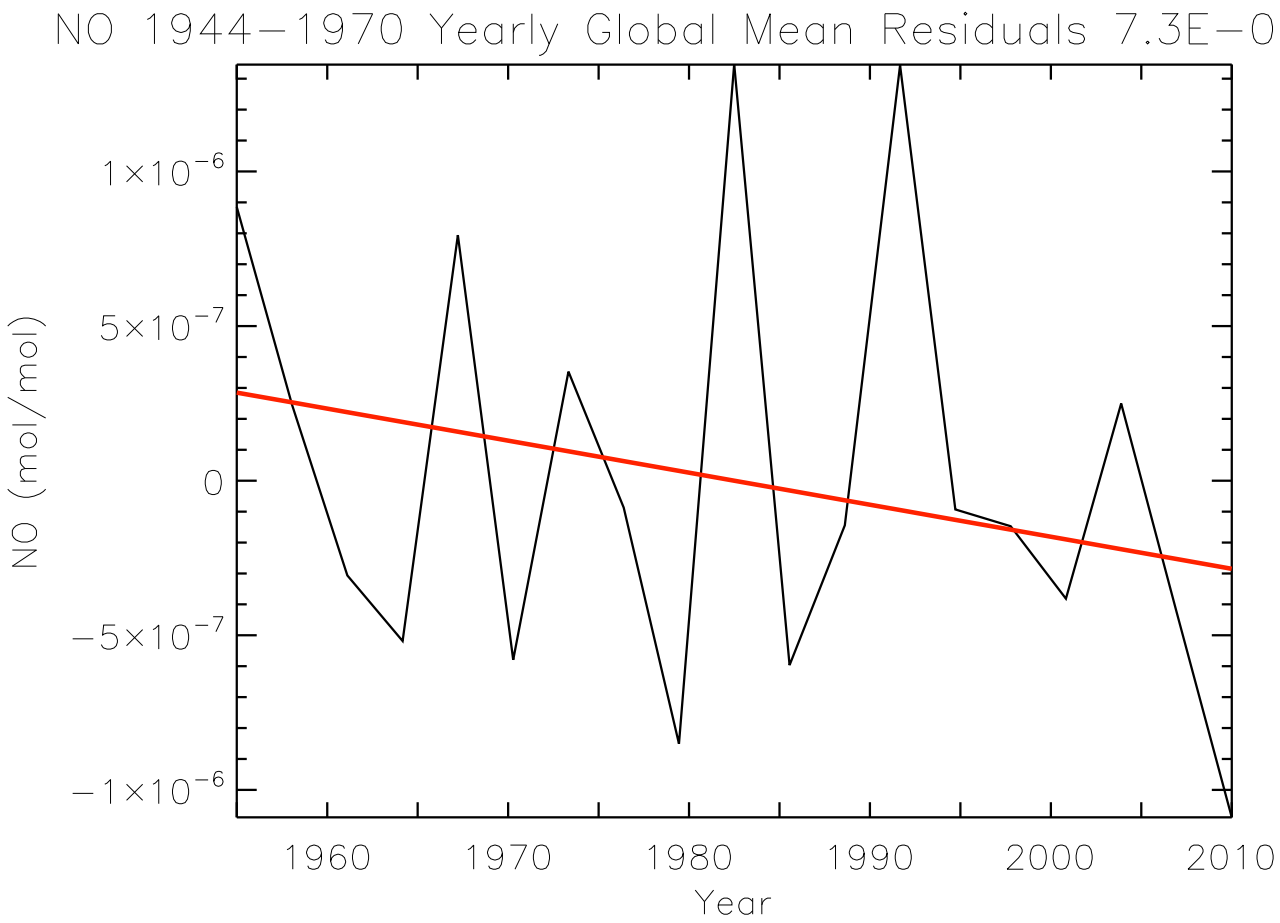

CO2 1944–1970 Yearly Global Mean 4.4E–05 hPa
CO2 % Change = 0.867096%
(0.154839 %/decade)
1.5×10⁻⁶
1.0×10⁻⁶
5.0×10⁻⁷
0
−5.0×10⁻⁷
−1.0×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

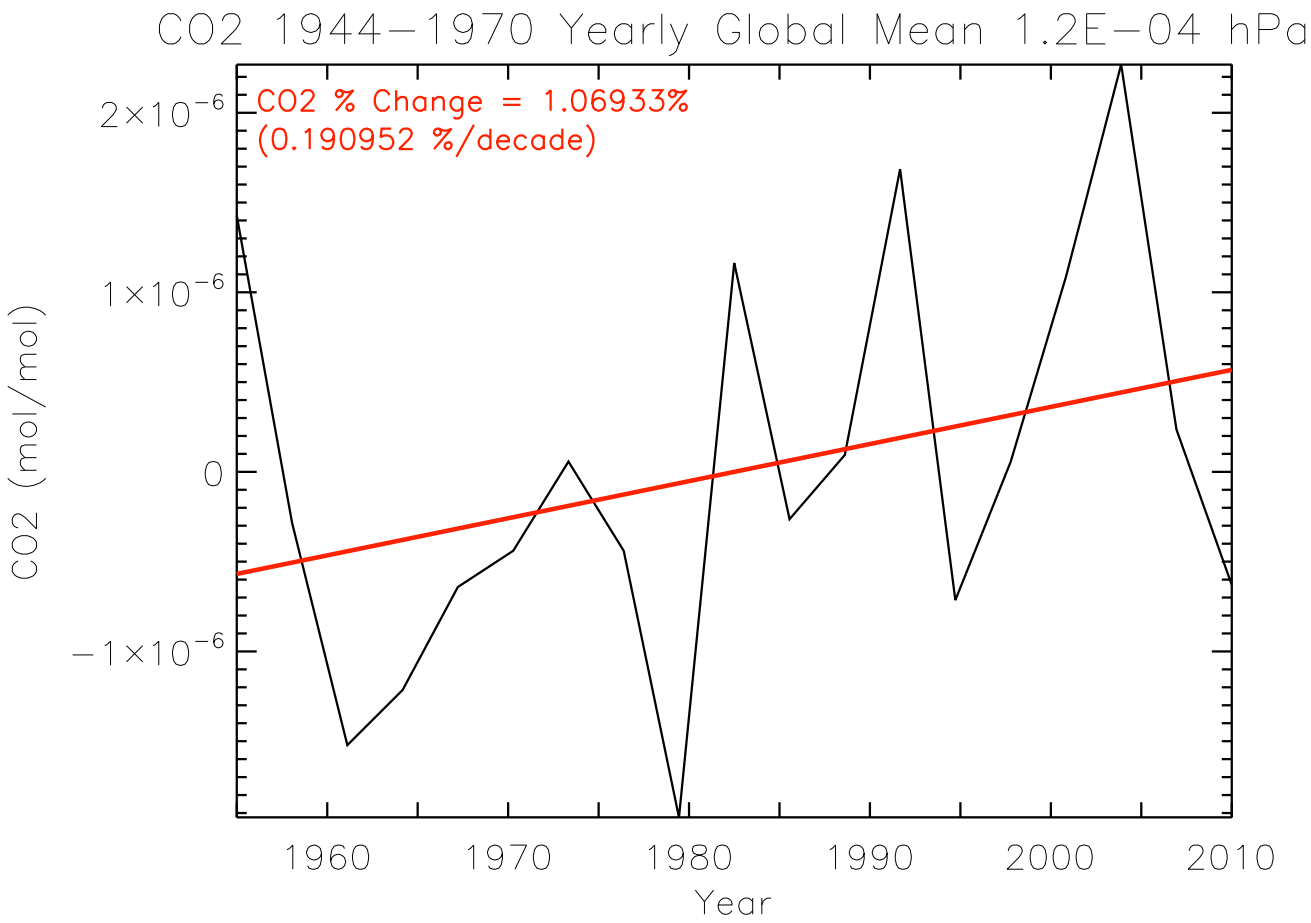

T 1944–1970 Yearly Global Mean 4.4E–05 hPa
T (K)
1.5
1.0
0.5
0.0
–0.5
–1.0
–1.5
T Change = –1.13978 K
(–0.203533 K/decade)
1960
1970
1980
1990
2000
2010
Year

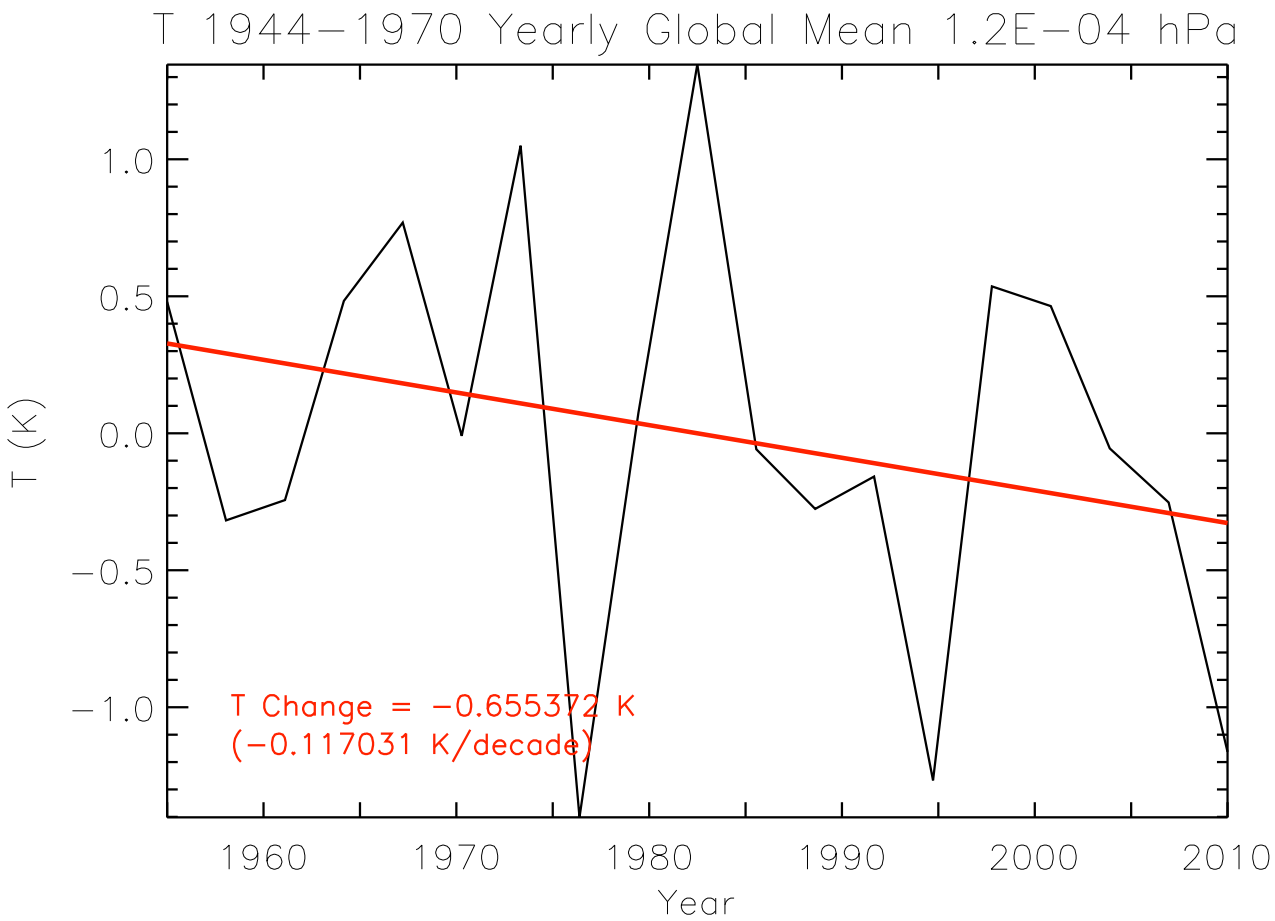

NO 1944–1970 Yearly Global Mean Residuals 4.4E–05 hPa
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

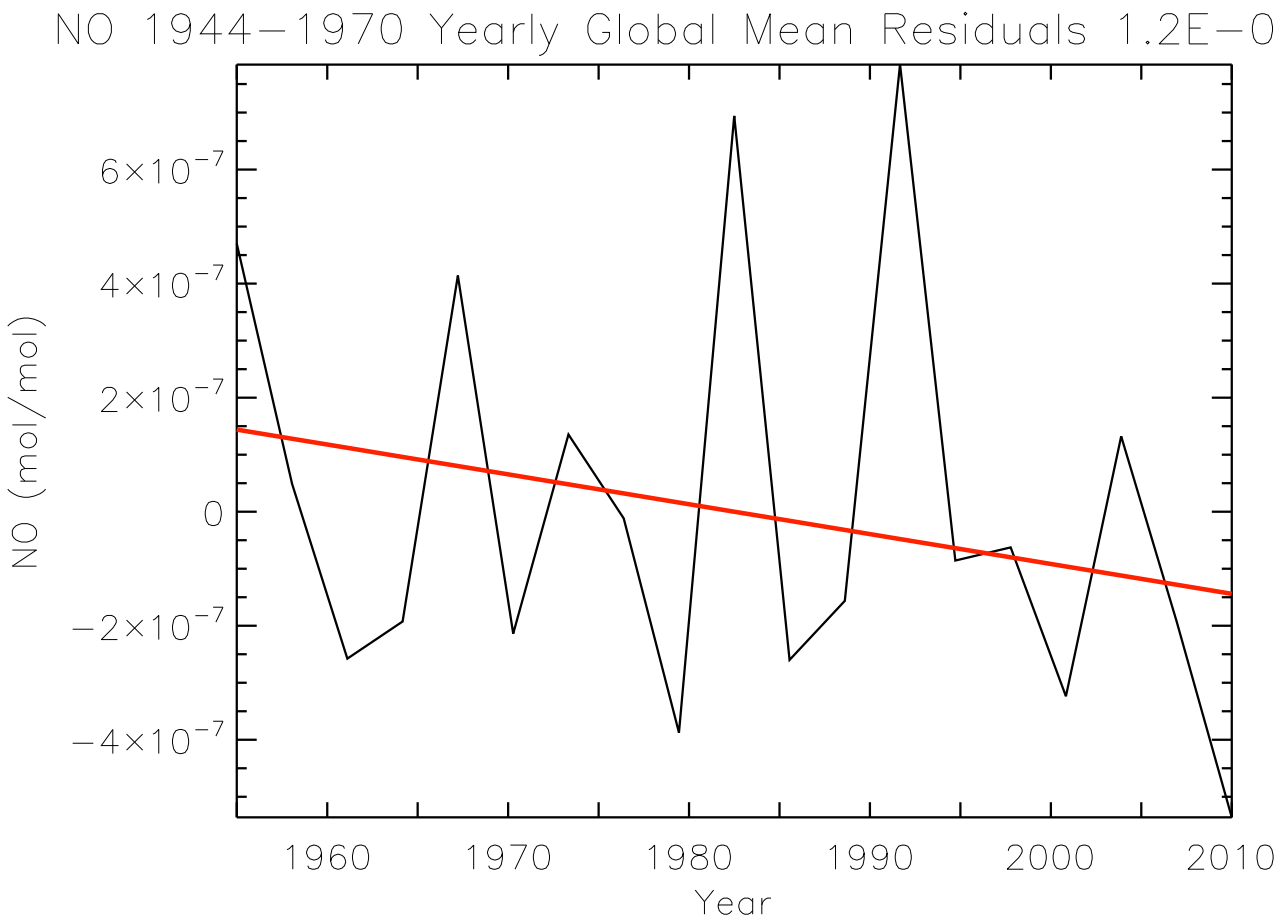

CO2 1944–1970 Yearly Global Mean 7.3E–05 hPa
CO2 % Change = 1.02972%
(0.183879 %/decade)
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

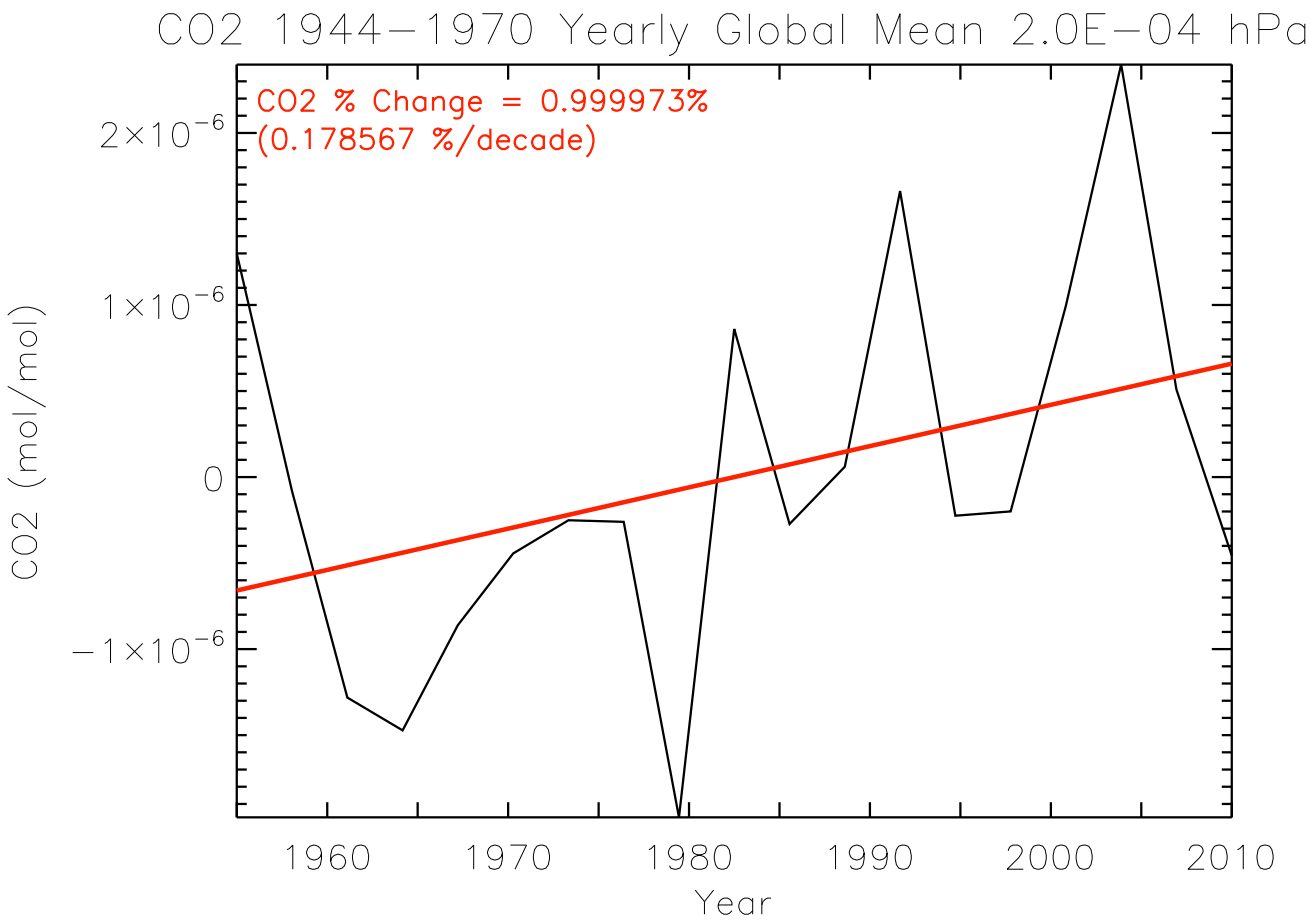

T 1944–1970 Yearly Global Mean 7.3E–05 hPa
T (K)
1.0
0.5
0.0
–0.5
–1.0
–1.5
T Change = –0.974654 K
(–0.174045 K/decade)
1960
1970
1980
1990
2000
2010
Year

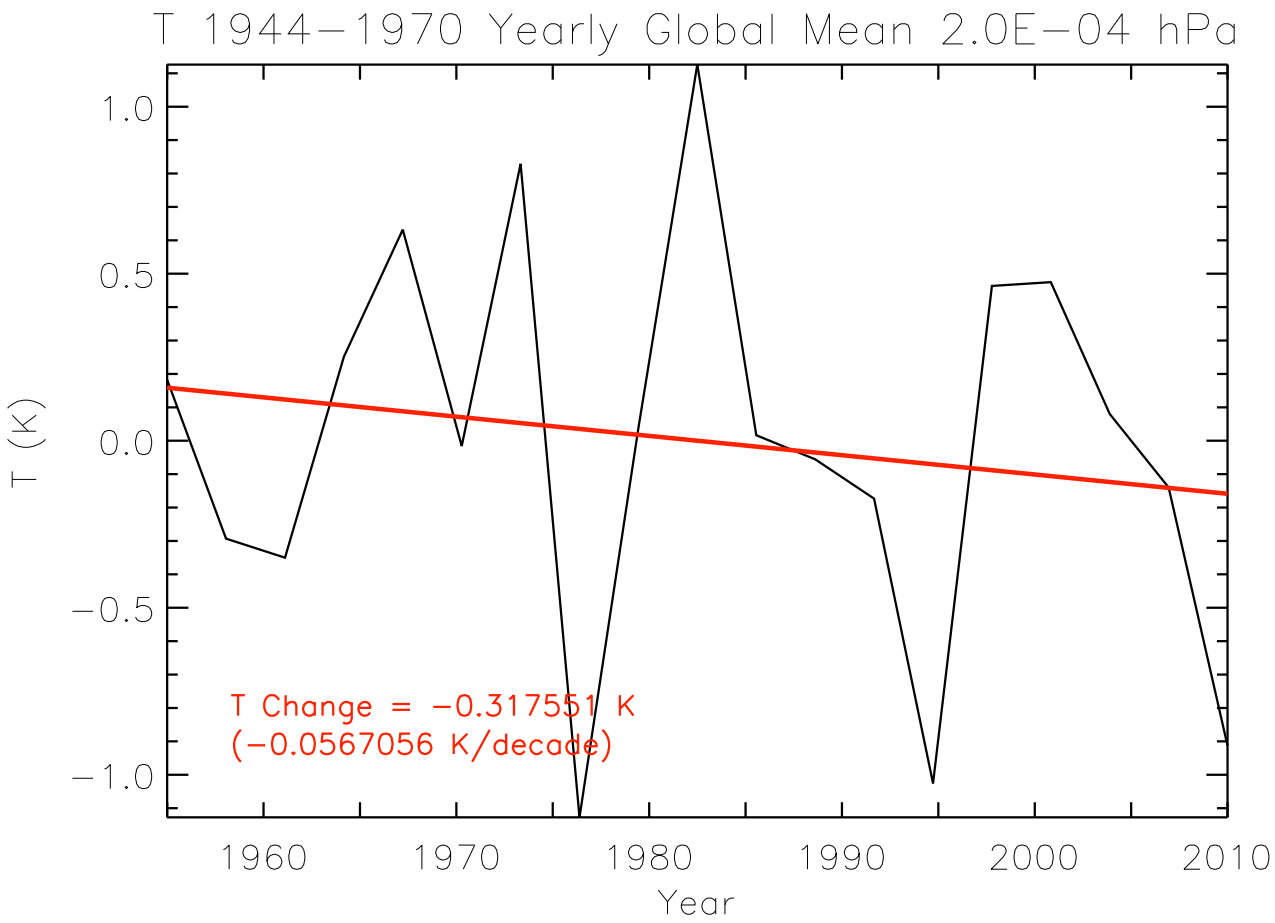

NO 1944–1970 Yearly Global Mean Residuals 7.3E–05 hPa
1×10⁻⁶
5×10⁻⁷
0
−5×10⁻⁷
−1×10⁻⁶
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

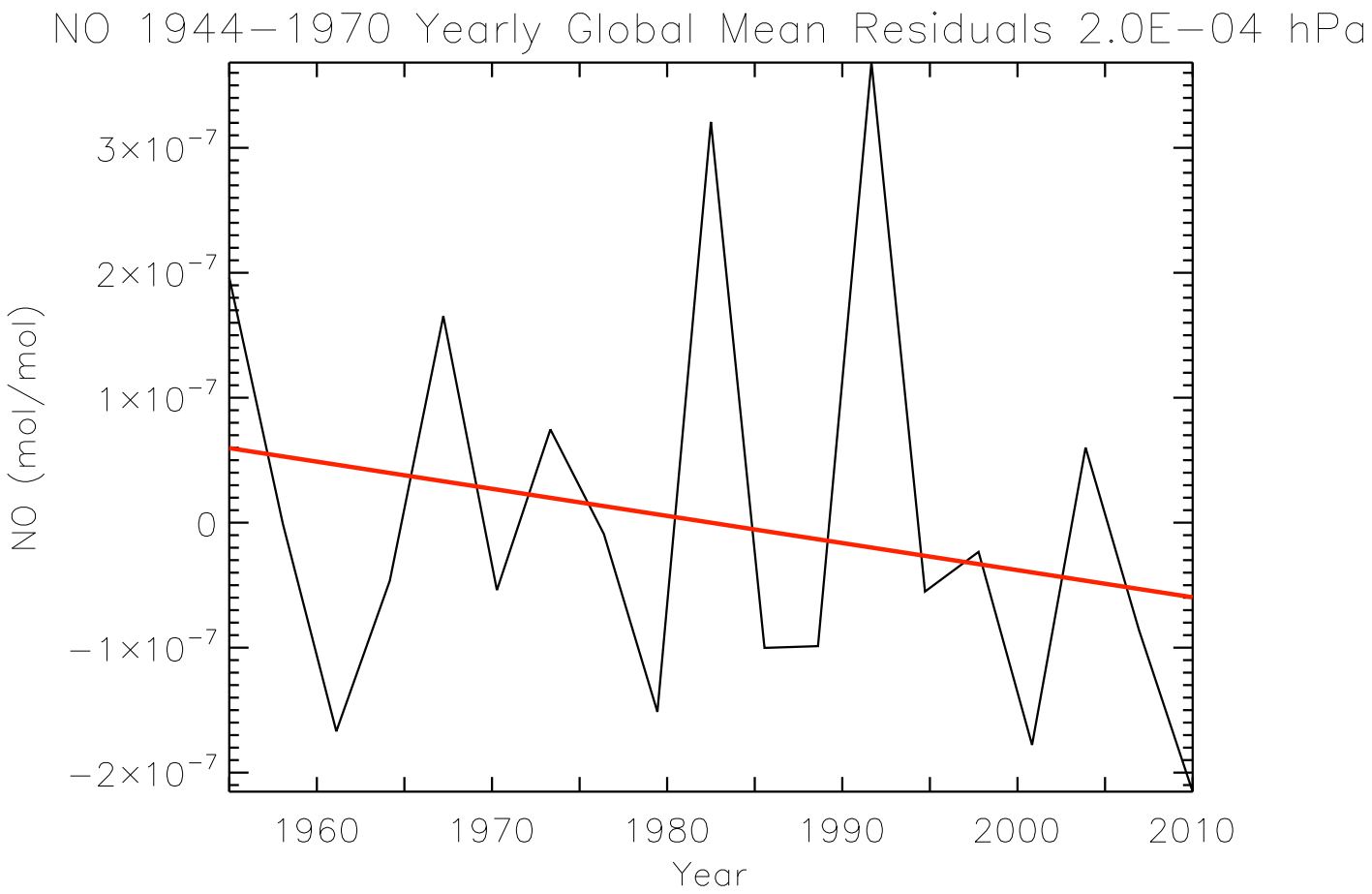

CO2 1944–1970 Yearly Global Mean 1.2E–04 hPa
CO2 % Change = 1.06933%
(0.190952 %/decade)
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

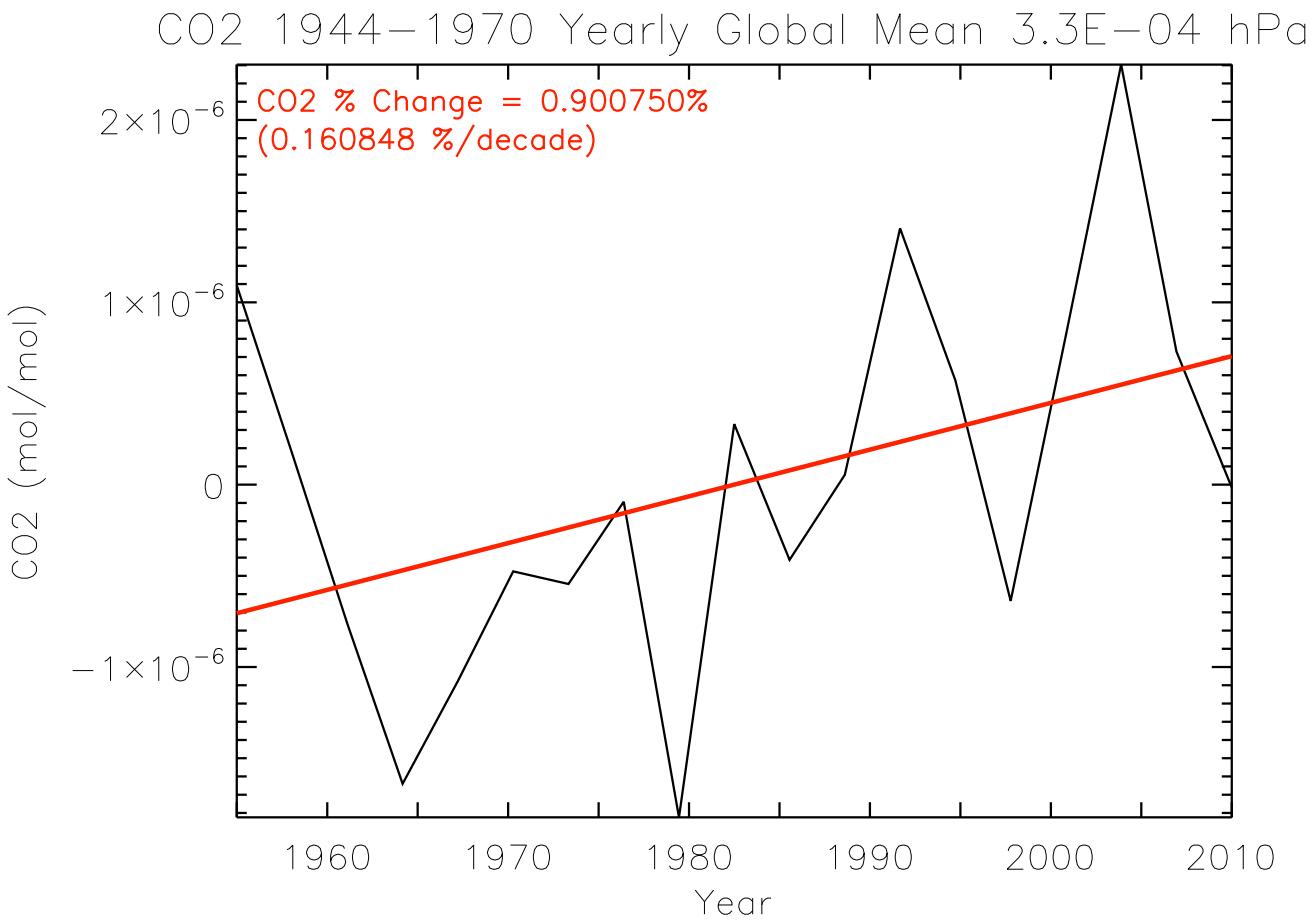

T 1944–1970 Yearly Global Mean 1.2E–04 hPa
T (K)
1.0
0.5
0.0
–0.5
–1.0
T Change = –0.655372 K
(–0.117031 K/decade)
1960
1970
1980
1990
2000
2010
Year

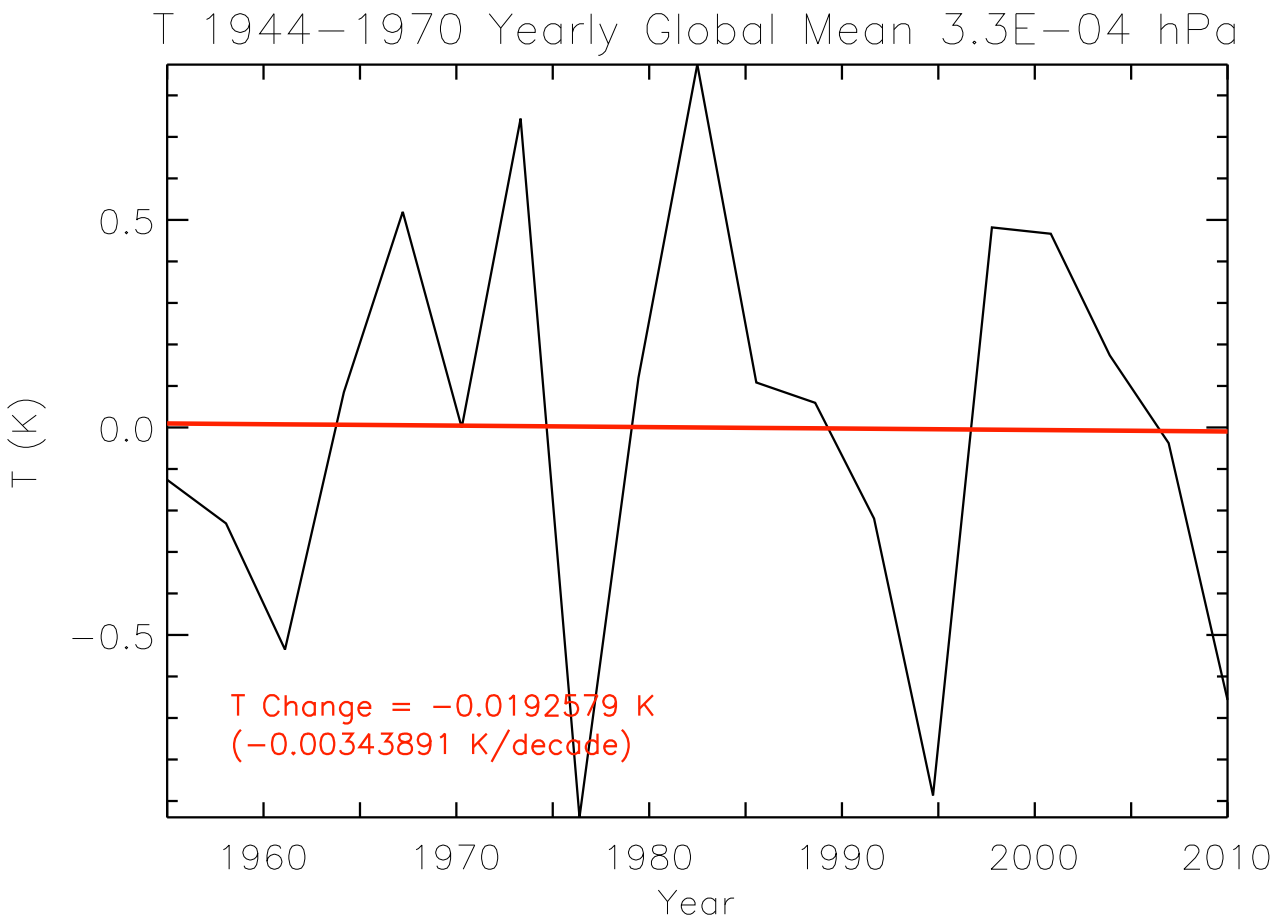

NO 1944–1970 Yearly Global Mean Residuals 1.2E–04 hPa
NO (mol/mol)
6×10⁻⁷
4×10⁻⁷
2×10⁻⁷
0
−2×10⁻⁷
−4×10⁻⁷
1960
1970
1980
1990
2000
2010
Year

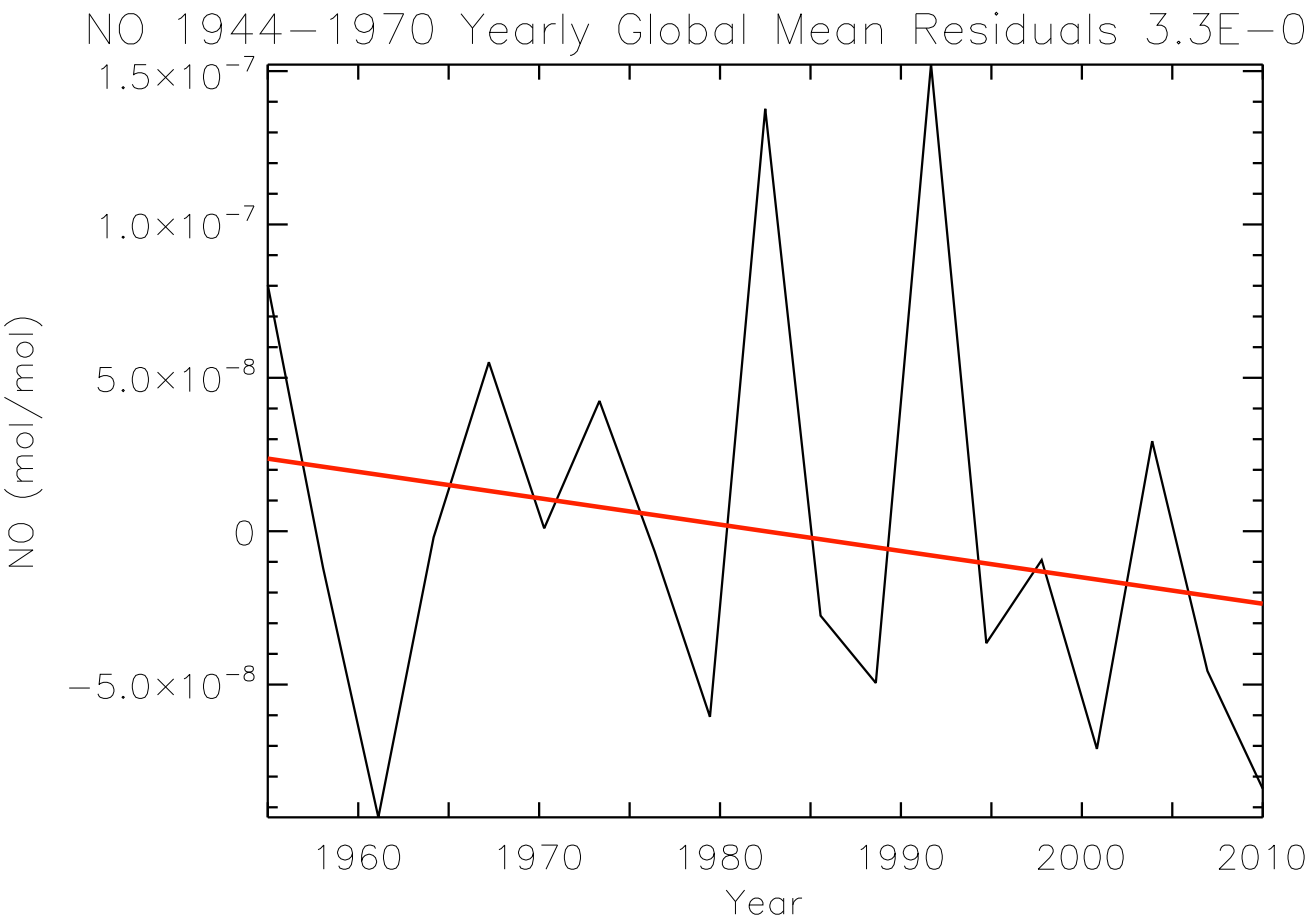

CO2 1944–1970 Yearly Global Mean 2.0E–04 hPa
CO2 % Change = 0.999973%
(0.178567 %/decade)
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

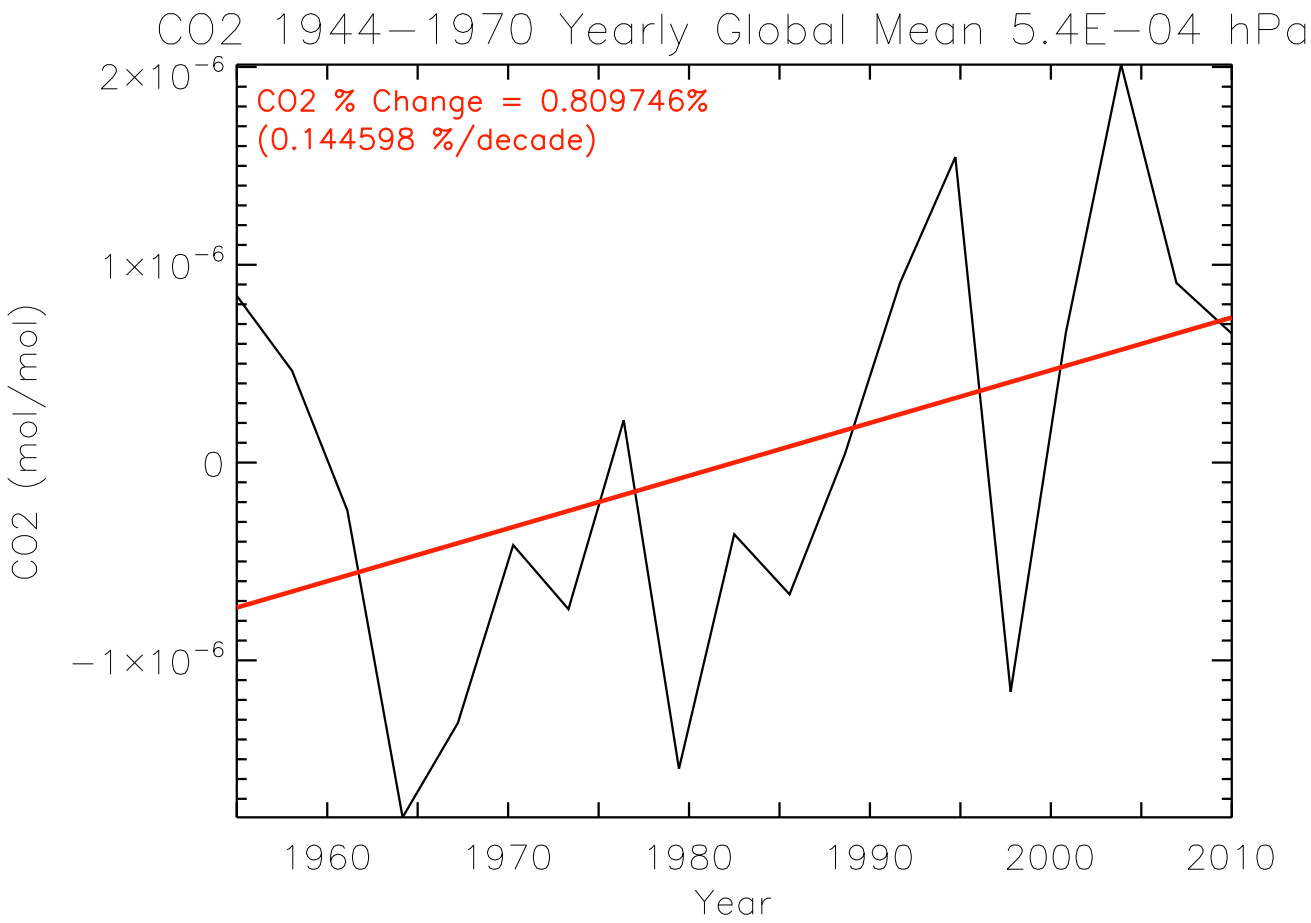

T 1944–1970 Yearly Global Mean 2.0E–04 hPa
T (K)
1.0
0.5
0.0
–0.5
–1.0
T Change = –0.317551 K
(–0.0567056 K/decade)
1960
1970
1980
1990
2000
2010
Year

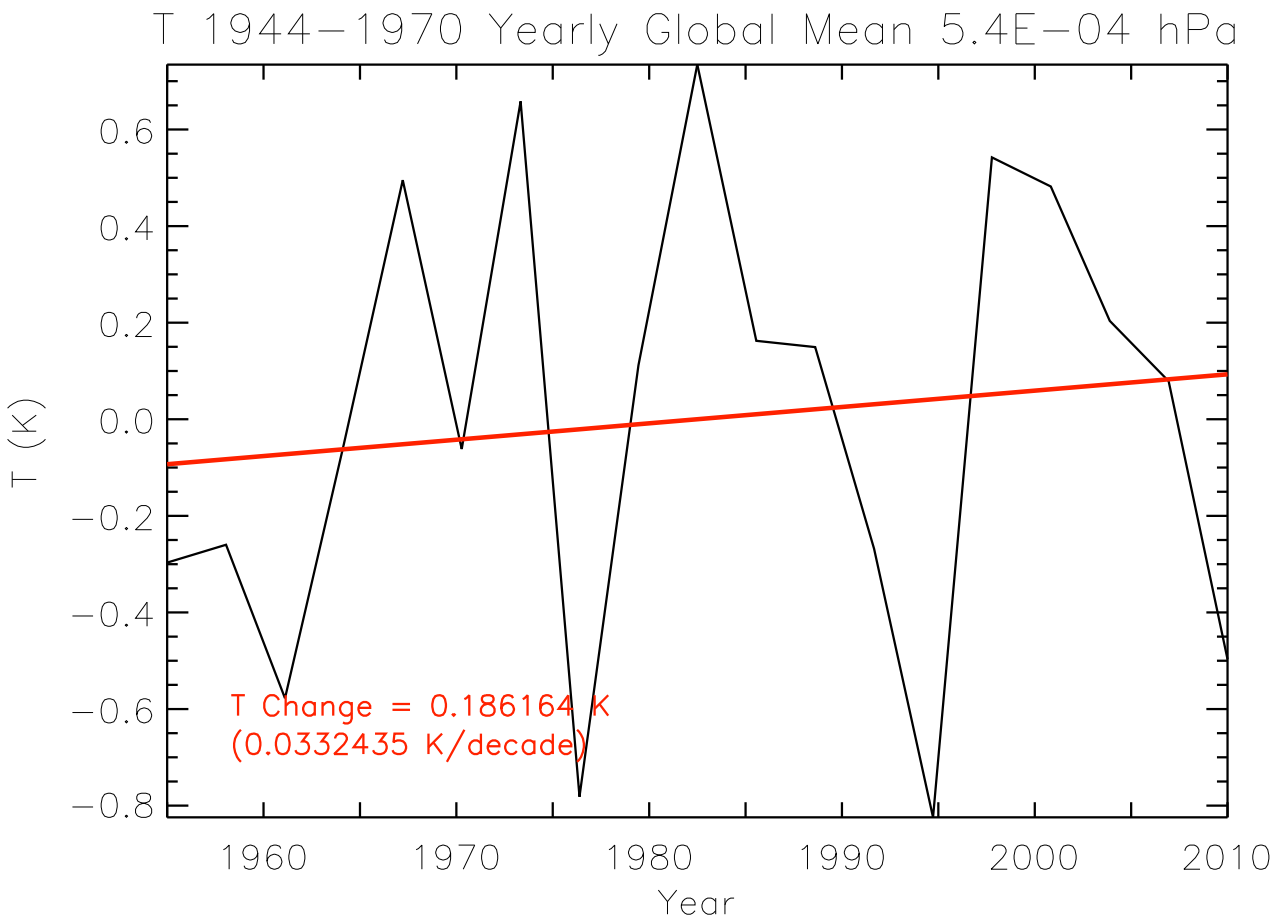

NO 1944–1970 Yearly Global Mean Residuals 2.0E–04 hPa
NO (mol/mol)
3×10⁻⁷
2×10⁻⁷
1×10⁻⁷
0
−1×10⁻⁷
−2×10⁻⁷
1960
1970
1980
1990
2000
2010
Year

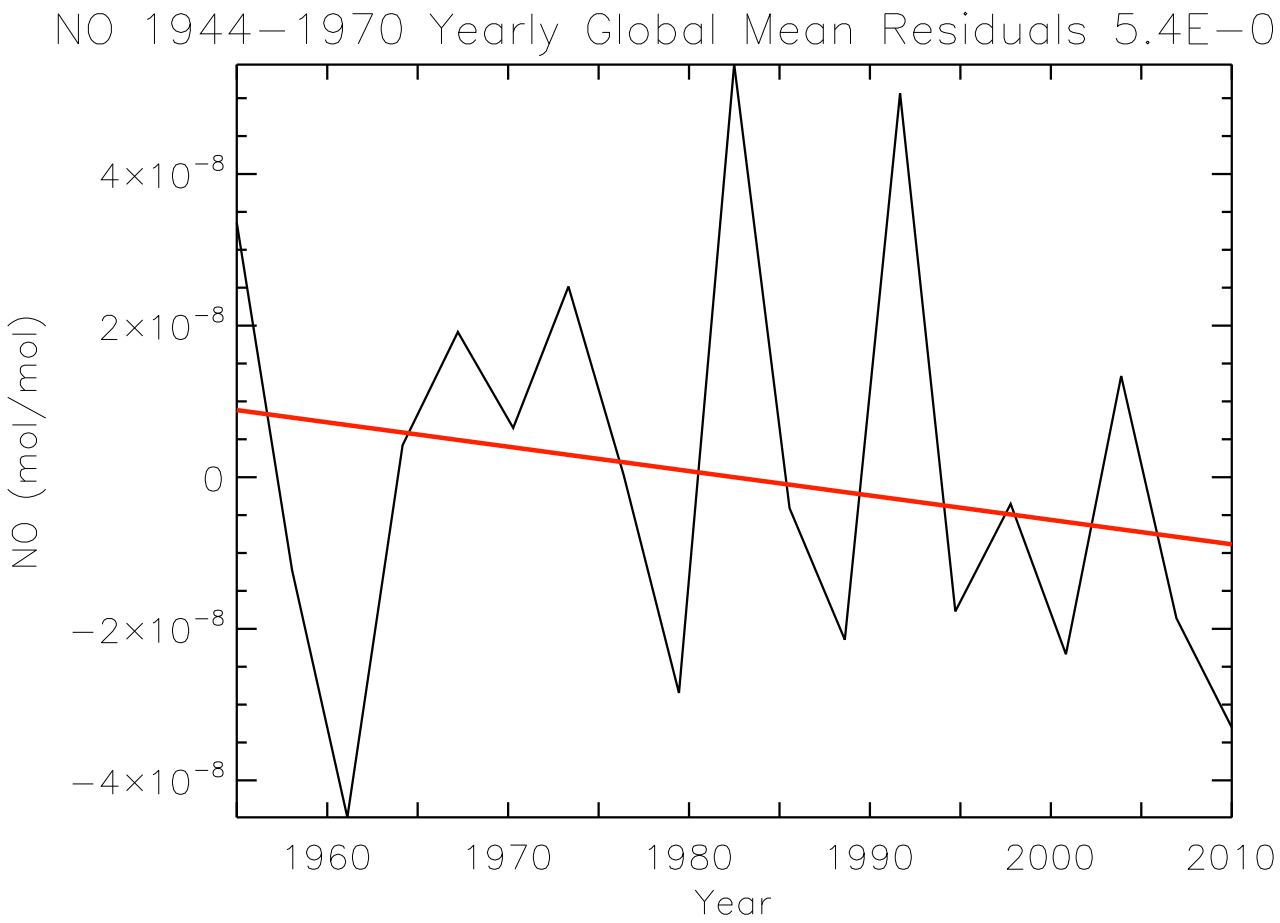

CO2 1944–1970 Yearly Global Mean 3.3E–04 hPa
CO2 % Change = 0.900750%
(0.160848 %/decade)
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

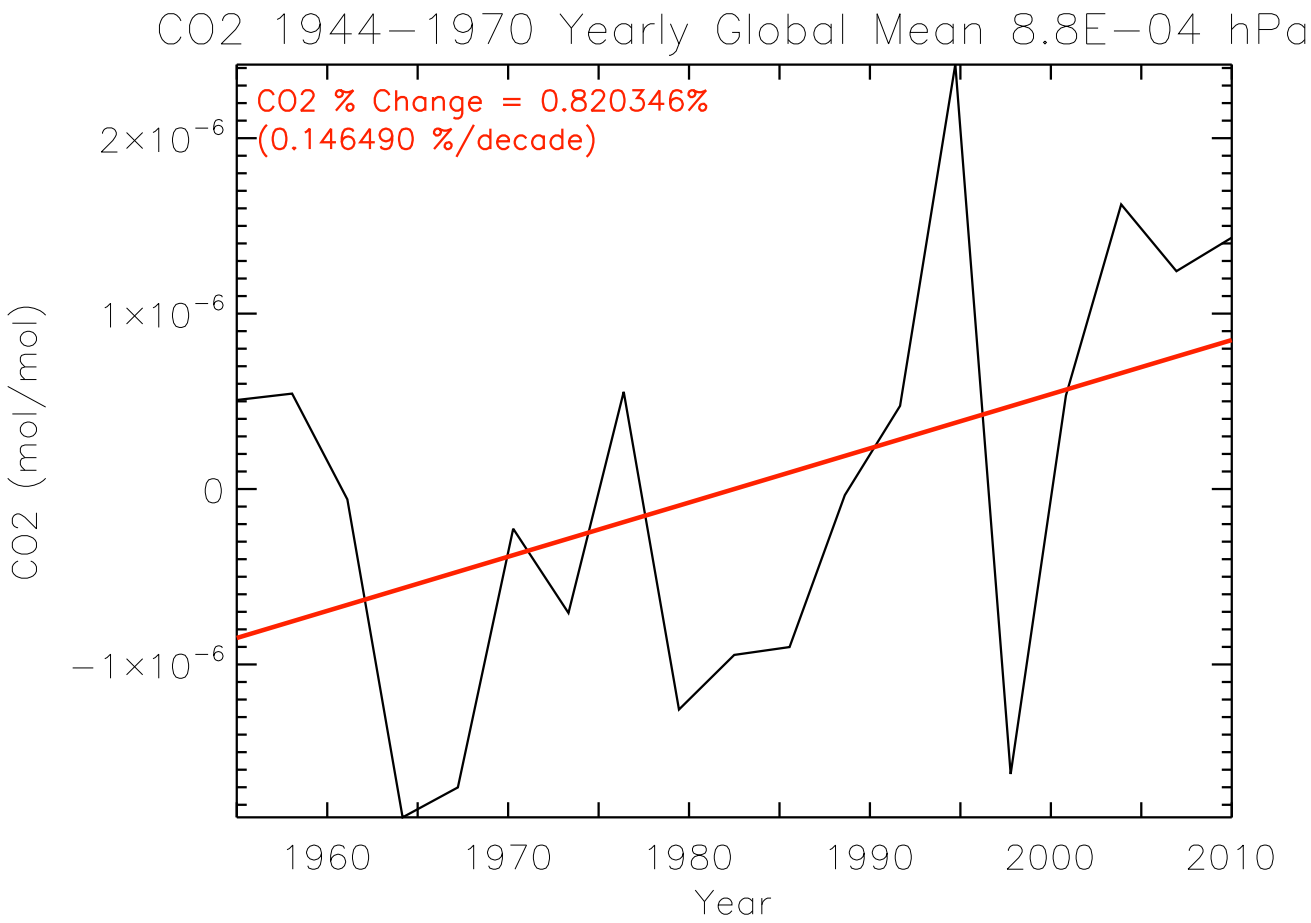

T 1944–1970 Yearly Global Mean 3.3E–04 hPa
0.5
0.0
–0.5
T (K)
T Change = –0.0192579 K
(–0.00343891 K/decade)
1960
1970
1980
1990
2000
2010
Year

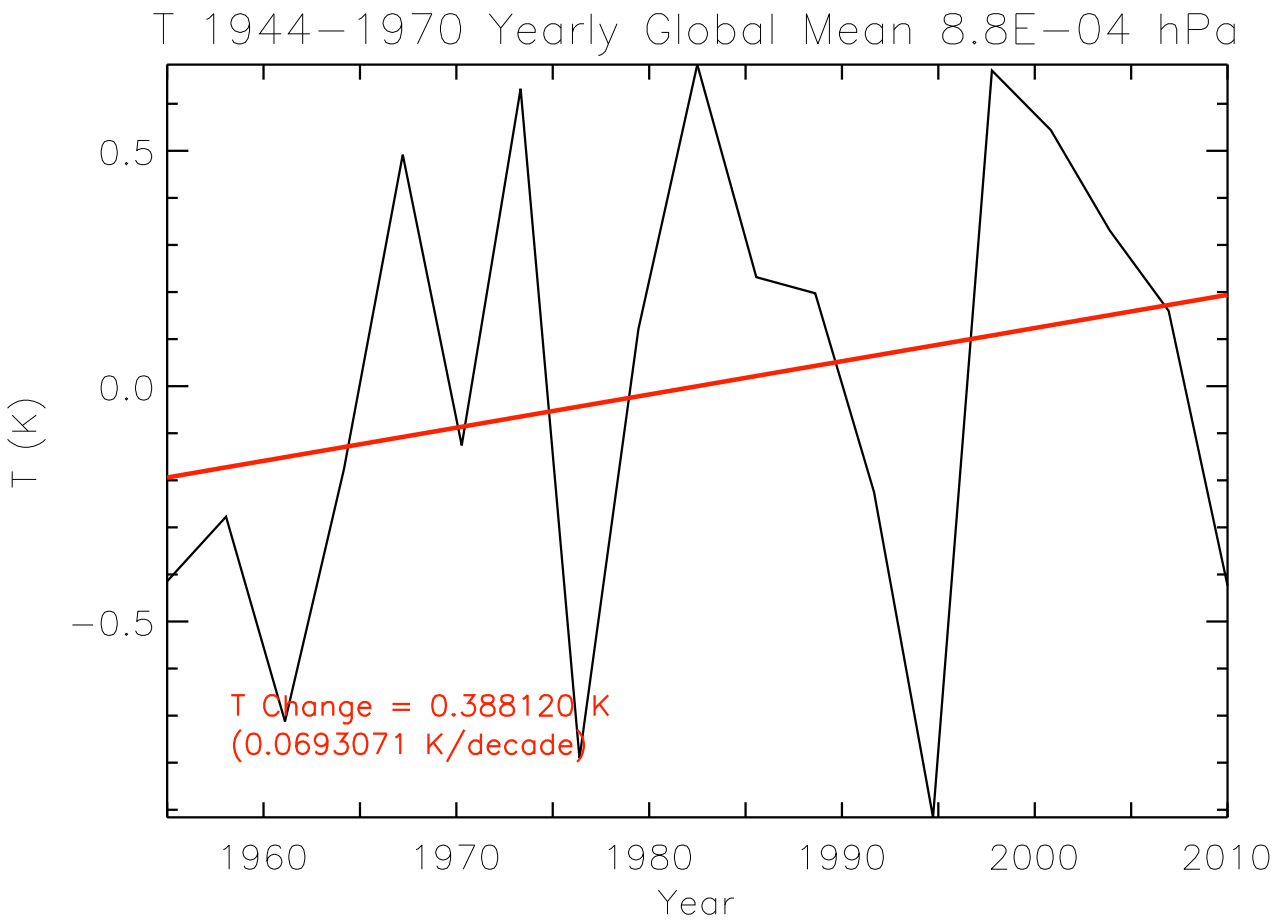

NO 1944–1970 Yearly Global Mean Residuals 3.3E–04 hPa
1.5×10⁻⁷
1.0×10⁻⁷
5.0×10⁻⁸
0
−5.0×10⁻⁸
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

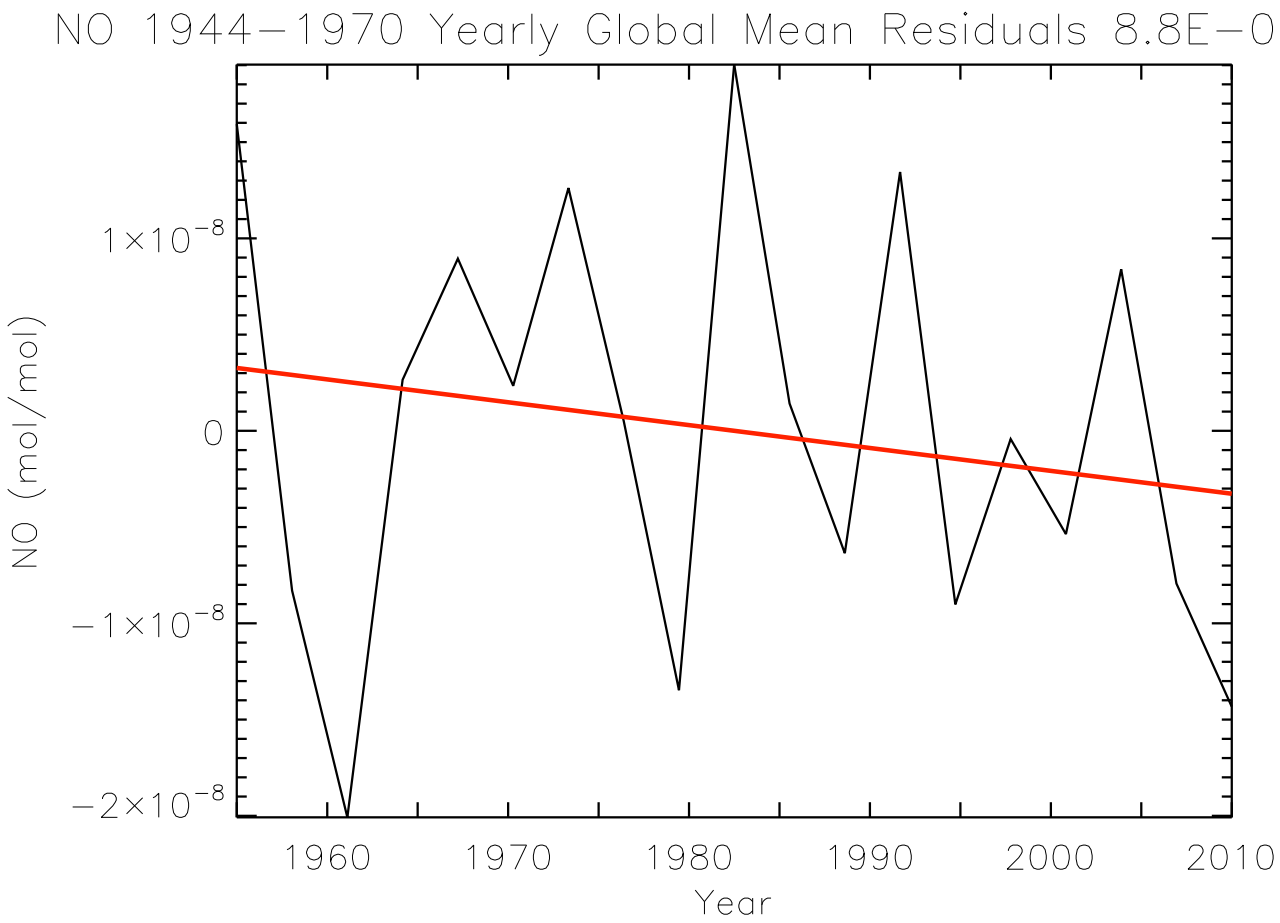

CO2 1944–1970 Yearly Global Mean 5.4E–04 hPa
CO2 % Change = 0.809746%
(0.144598 %/decade)
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

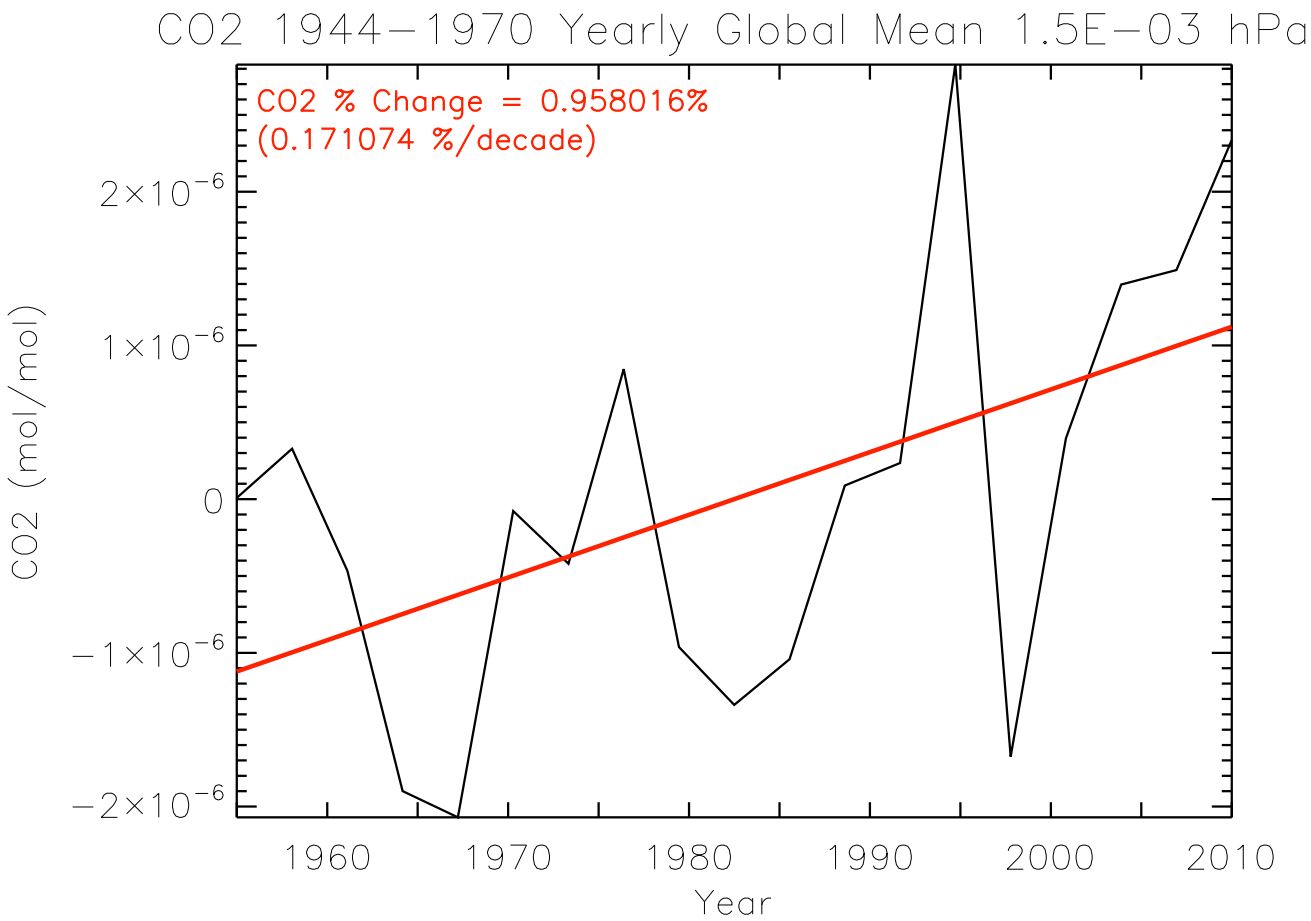

T 1944–1970 Yearly Global Mean 5.4E–04 hPa
T (K)
0.6
0.4
0.2
0.0
–0.2
–0.4
–0.6
–0.8
T Change = 0.186164 K
(0.0332435 K/decade)
1960
1970
1980
1990
2000
2010
Year

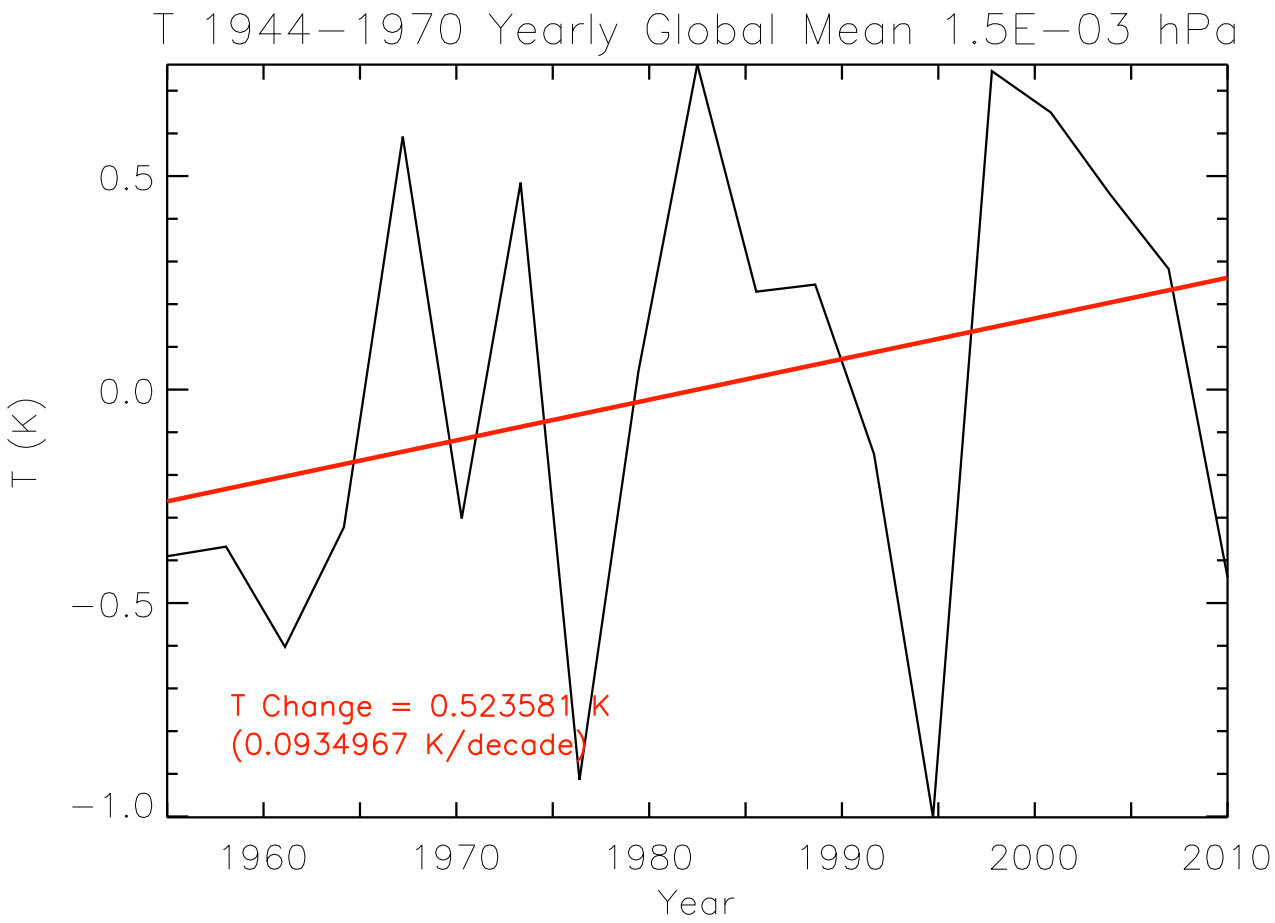

NO 1944–1970 Yearly Global Mean Residuals 5.4E–04 hPa
NO (mol/mol)
4×10⁻⁸
2×10⁻⁸
0
−2×10⁻⁸
−4×10⁻⁸
1960
1970
1980
1990
2000
2010
Year

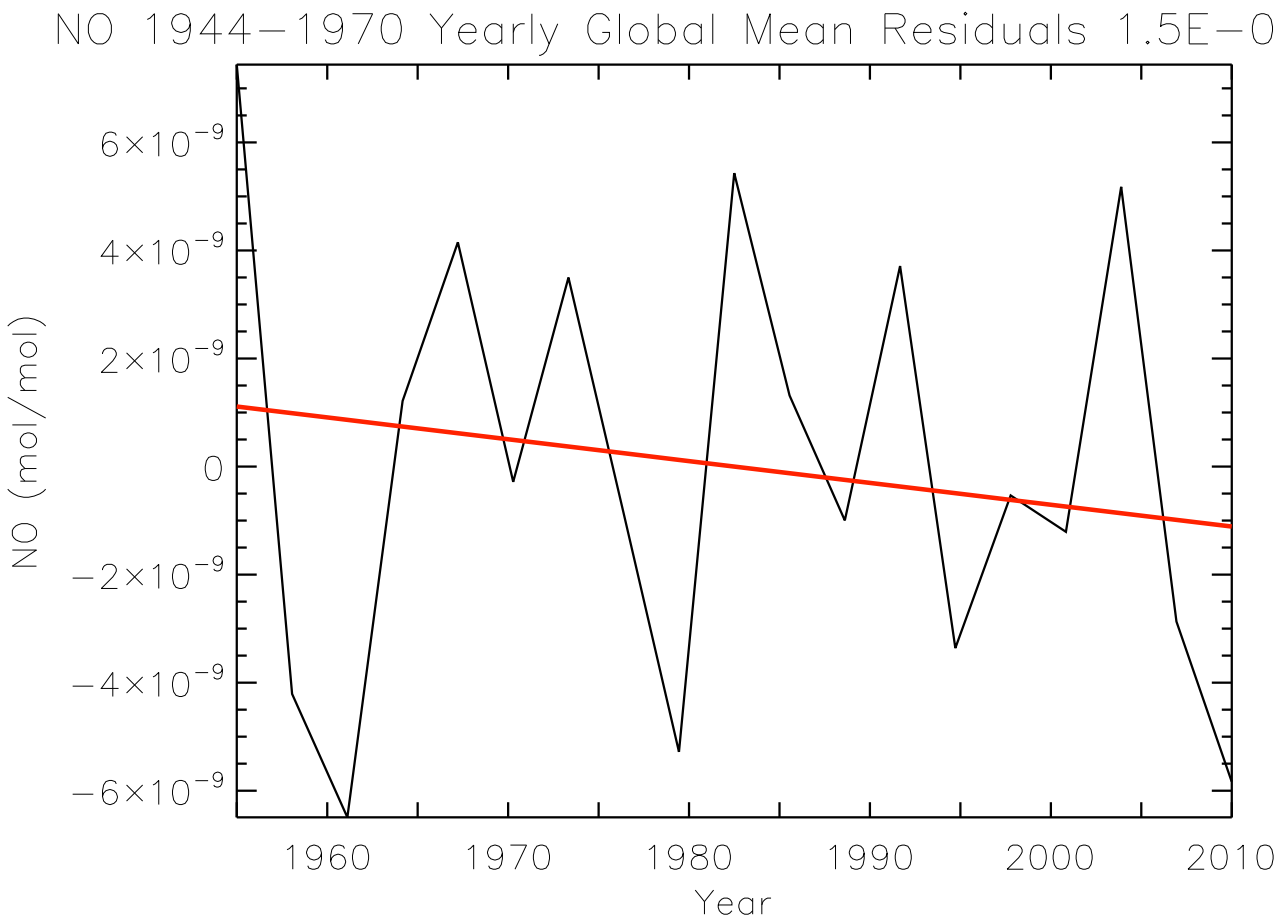

CO2 1944–1970 Yearly Global Mean 8.8E–04 hPa
CO2 % Change = 0.820346%
(0.146490 %/decade)
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

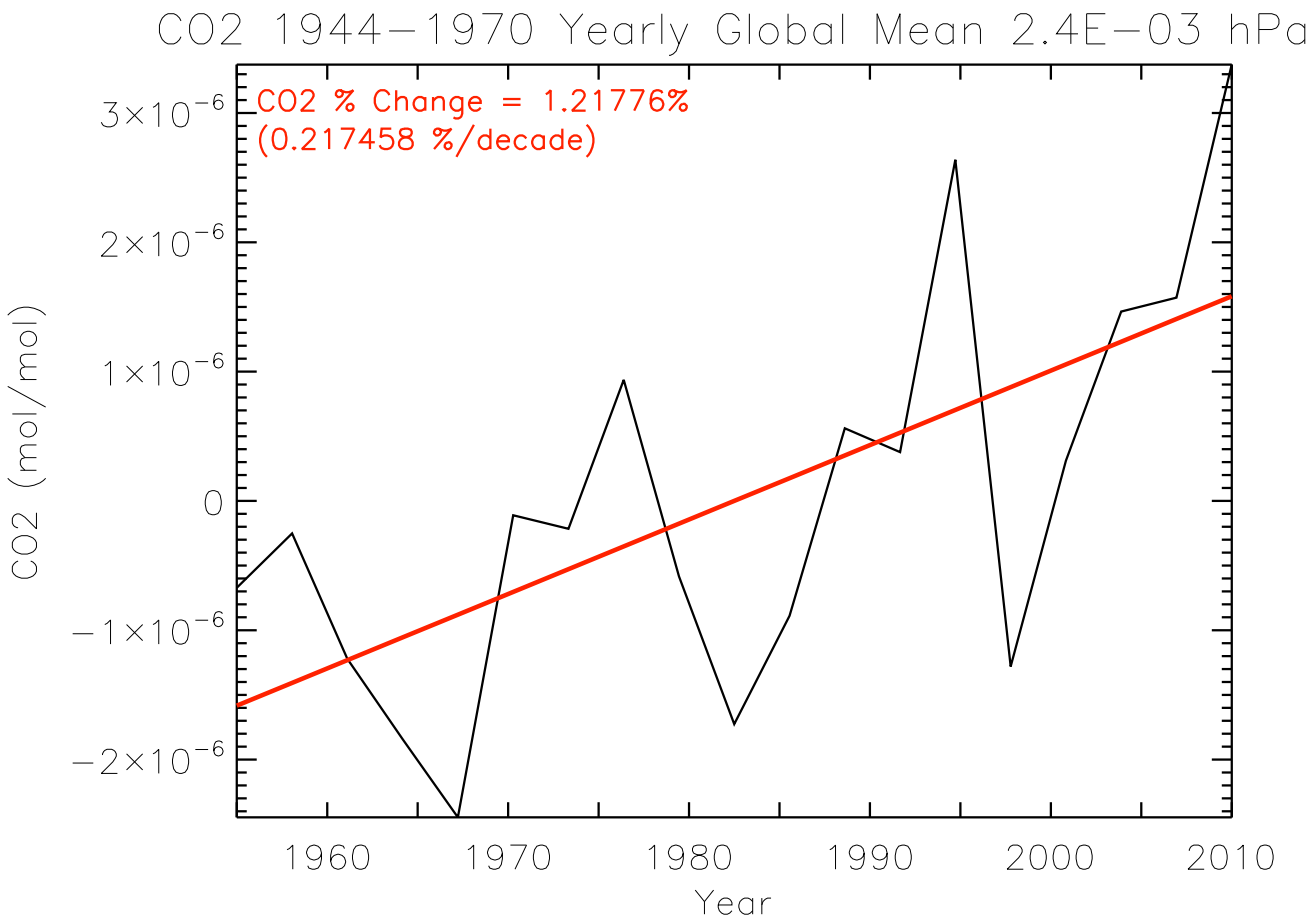

T 1944–1970 Yearly Global Mean 8.8E–04 hPa
0.5
0.0
–0.5
T (K)
T Change = 0.388120 K
(0.0693071 K/decade)
1960
1970
1980
1990
2000
2010
Year

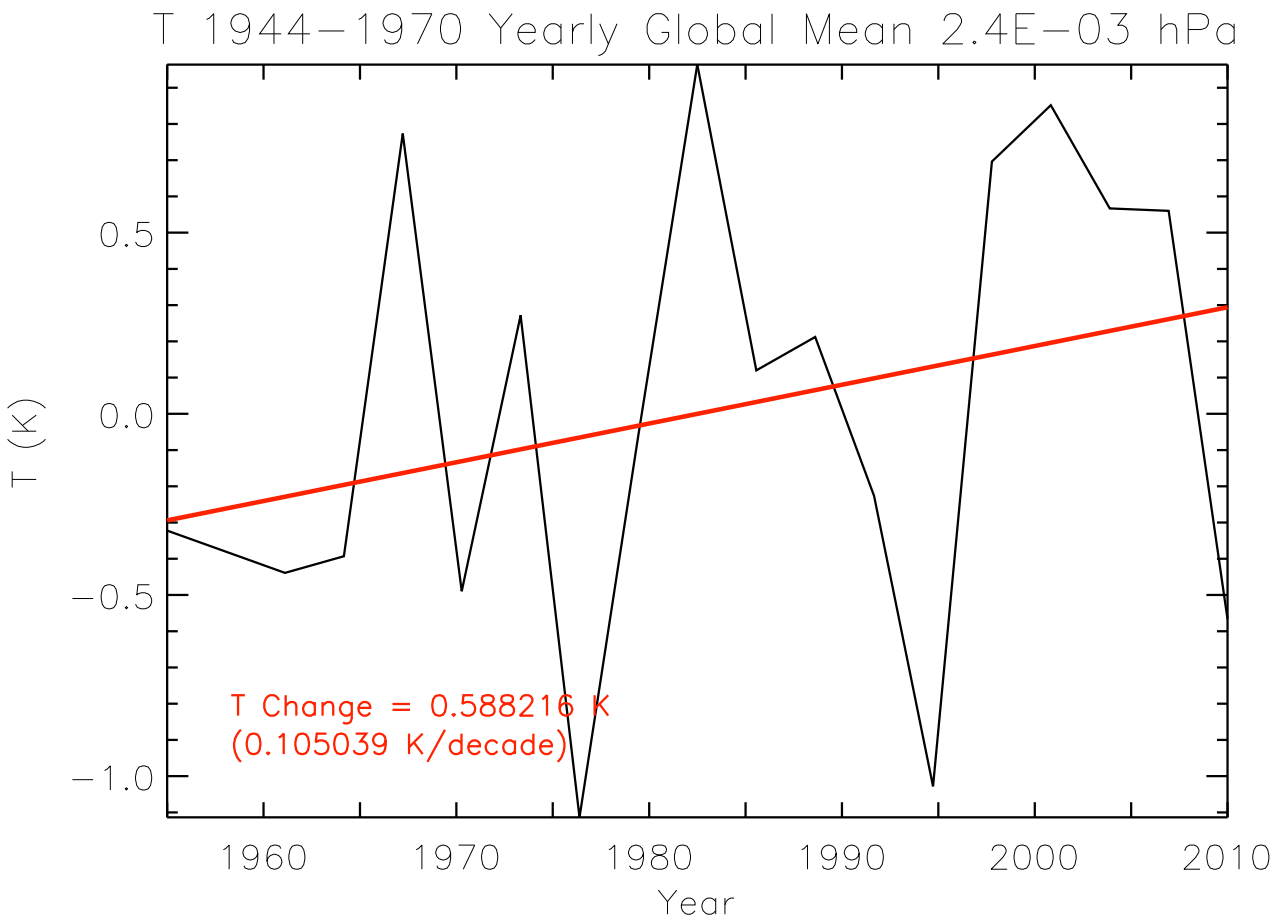

NO 1944–1970 Yearly Global Mean Residuals 8.8E–04 hPa
NO (mol/mol)
1×10⁻⁸
0
−1×10⁻⁸
−2×10⁻⁸
1960
1970
1980
1990
2000
2010
Year

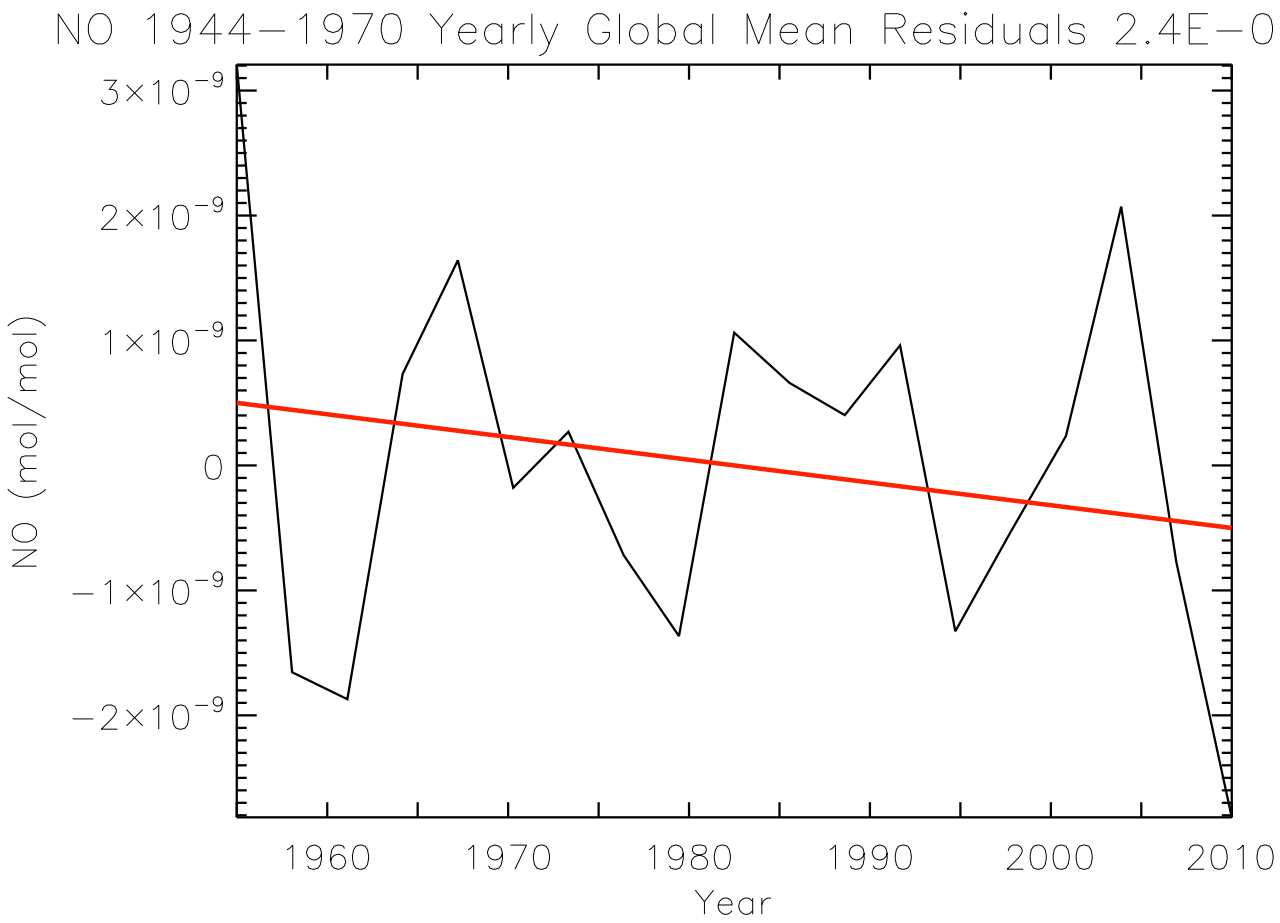

CO2 1944–1970 Yearly Global Mean 1.5E–03 hPa
CO2 % Change = 0.958016%
(0.171074 %/decade)
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

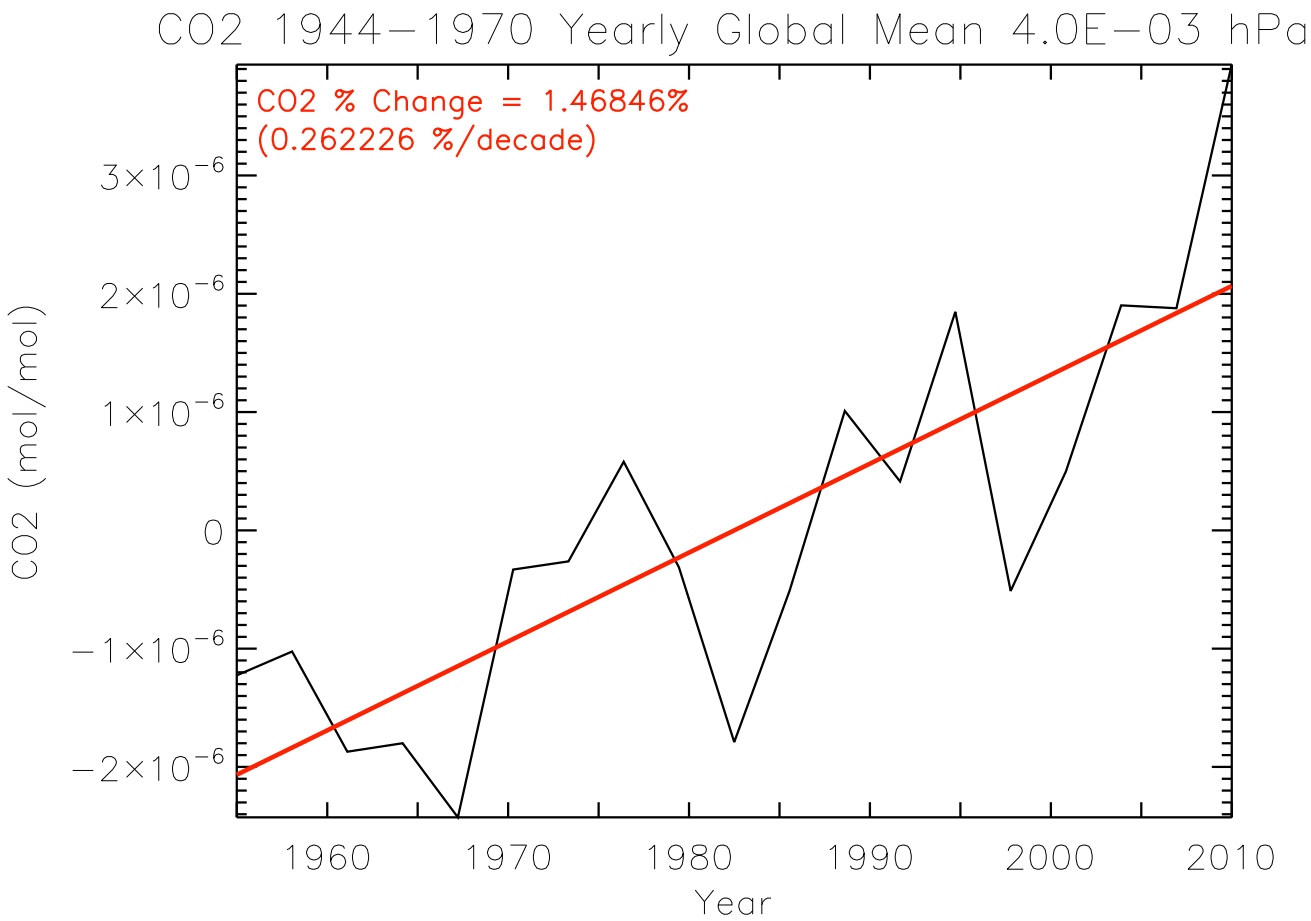

T 1944–1970 Yearly Global Mean 1.5E–03 hPa
0.5
0.0
−0.5
−1.0
T (K)
T Change = 0.523581 K
(0.0934967 K/decade)
1960
1970
1980
1990
2000
2010
Year

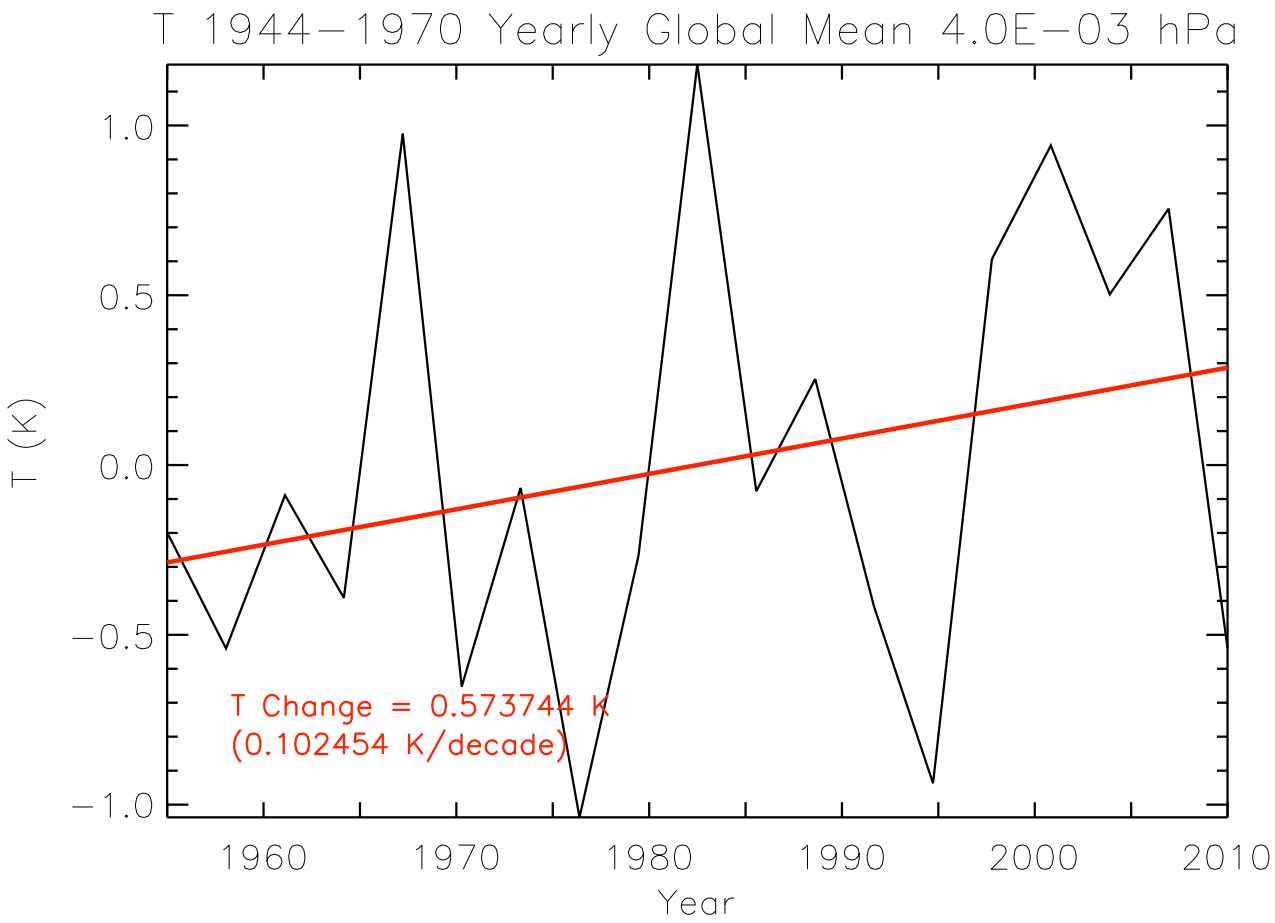

NO 1944–1970 Yearly Global Mean Residuals 1.5E–03 hPa
NO (mol/mol)
6×10⁻⁹
4×10⁻⁹
2×10⁻⁹
0
−2×10⁻⁹
−4×10⁻⁹
−6×10⁻⁹
1960
1970
1980
1990
2000
2010
Year

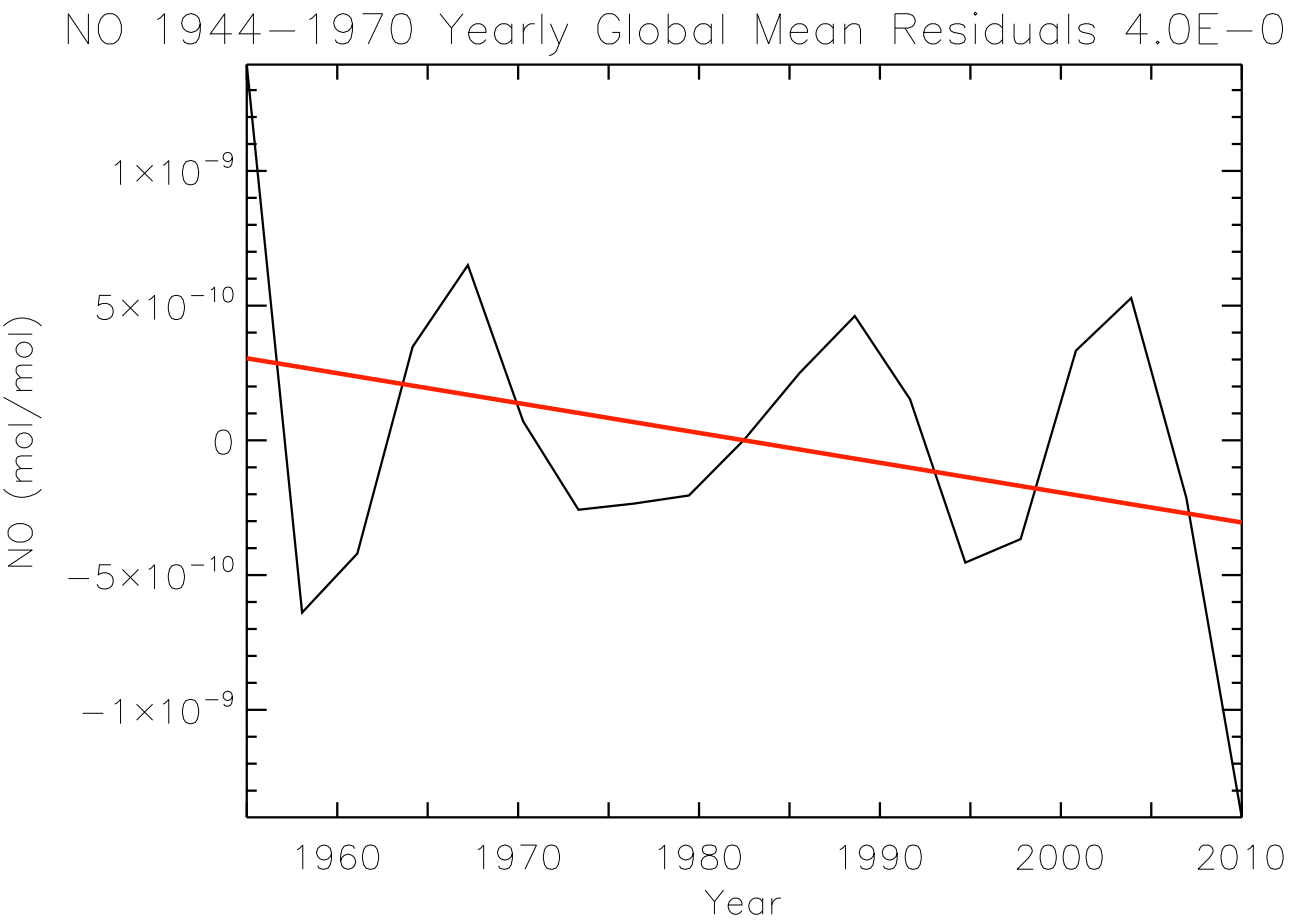

CO2 1944–1970 Yearly Global Mean 2.4E–03 hPa
CO2 % Change = 1.21776%
(0.217458 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

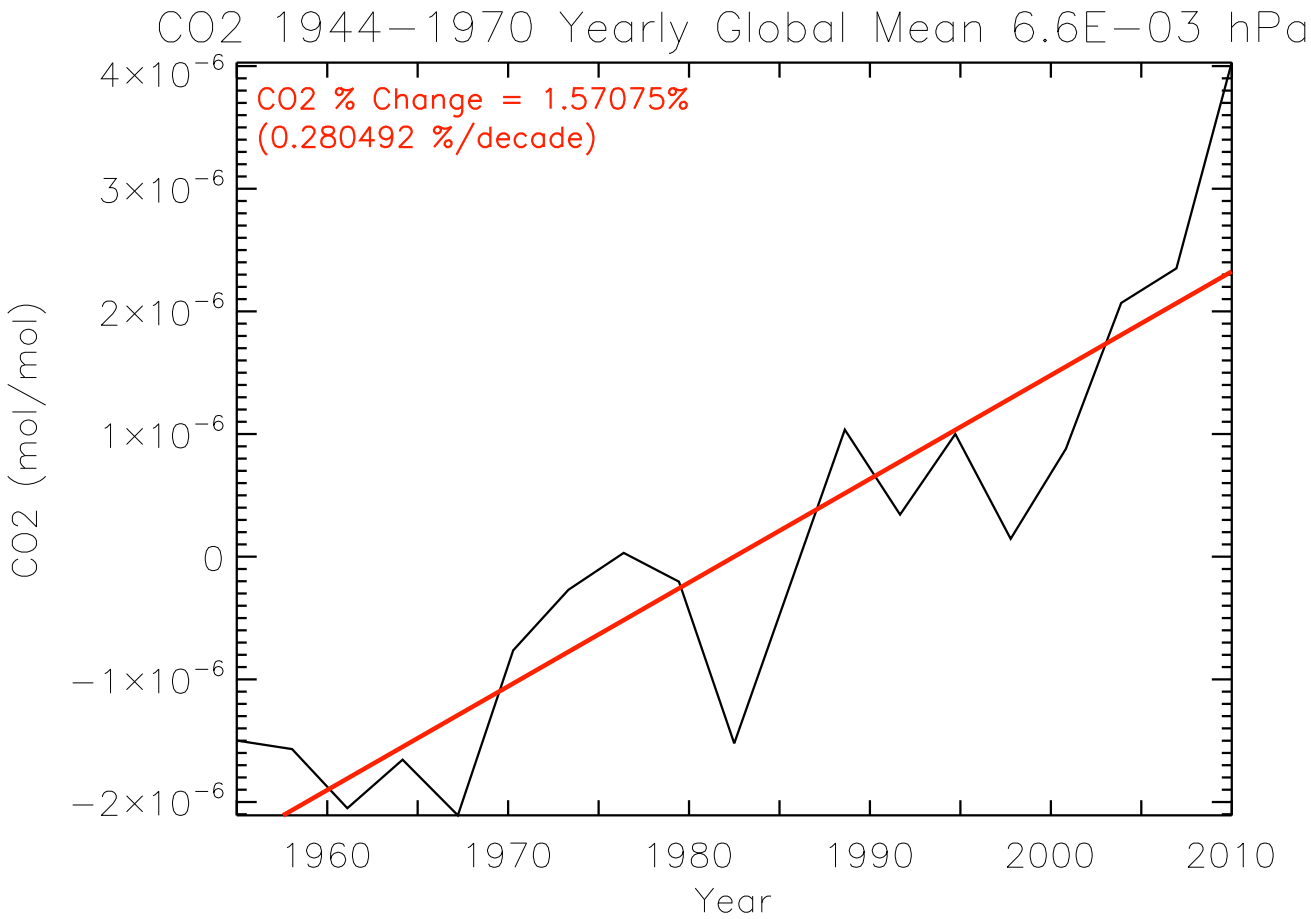

T 1944–1970 Yearly Global Mean 2.4E–03 hPa
0.5
0.0
–0.5
–1.0
T (K)
T Change = 0.588216 K
(0.105039 K/decade)
1960
1970
1980
1990
2000
2010
Year

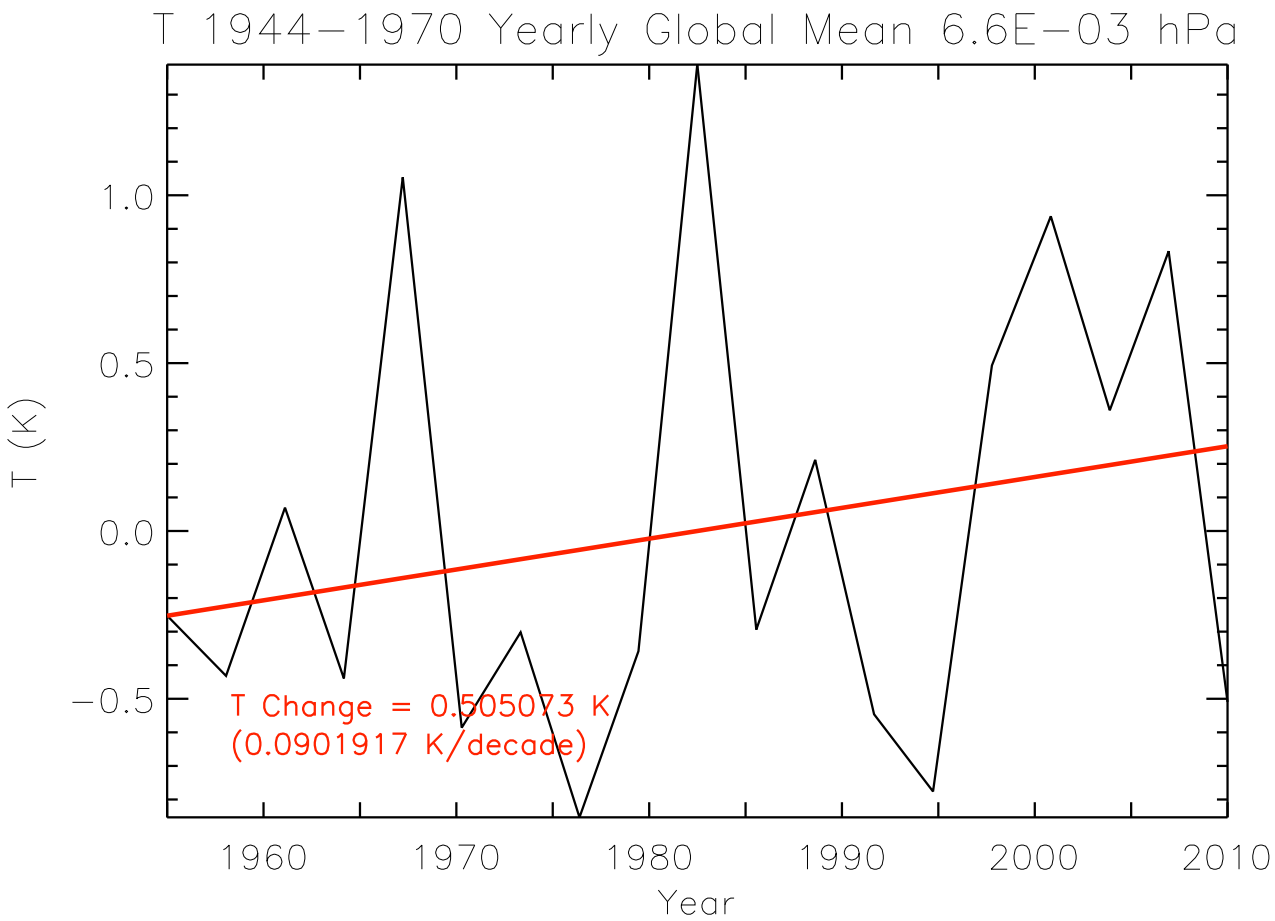

NO 1944–1970 Yearly Global Mean Residuals 2.4E–03 hPa
3×10⁻⁹
2×10⁻⁹
1×10⁻⁹
0
−1×10⁻⁹
−2×10⁻⁹
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

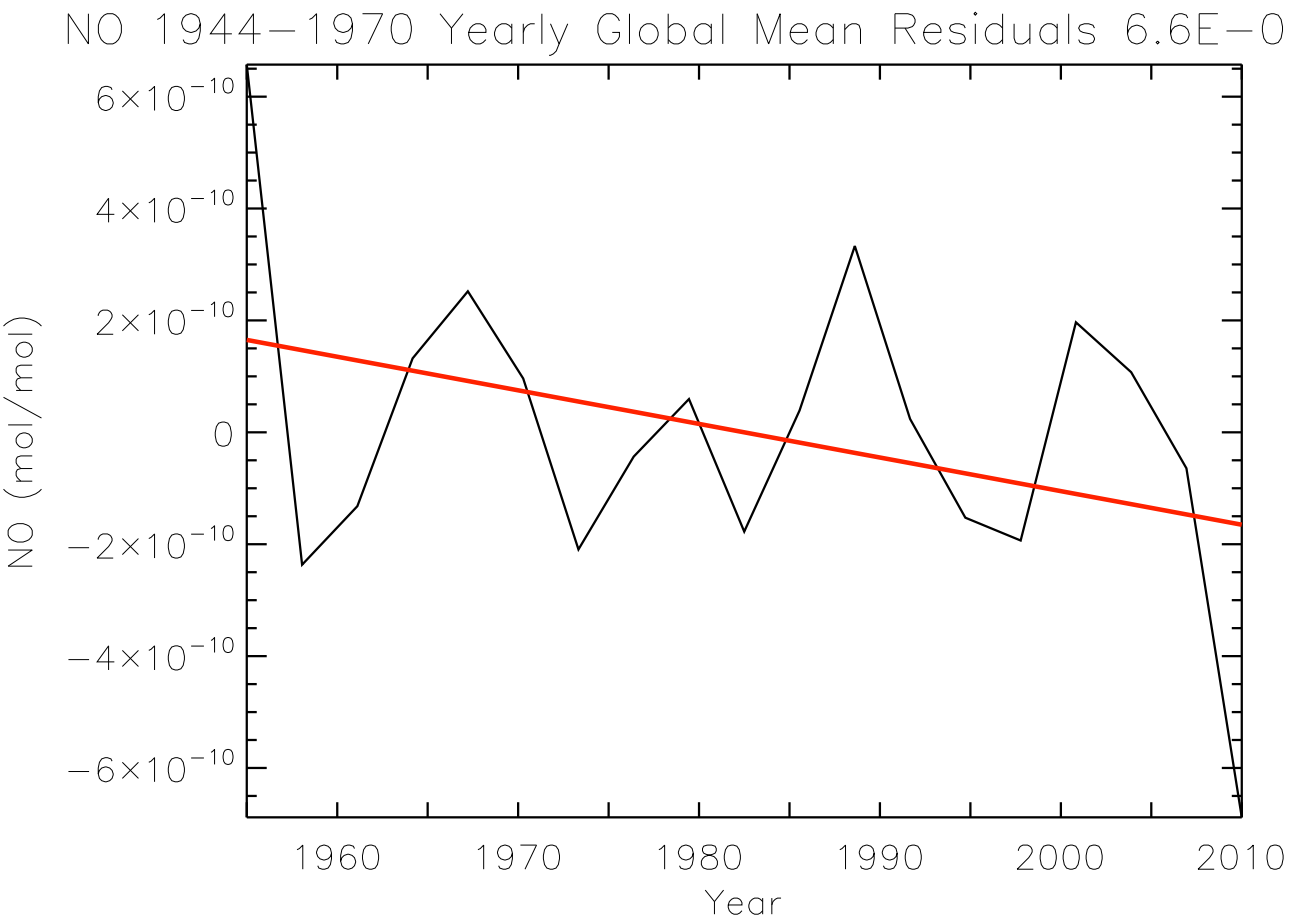

CO2 1944–1970 Yearly Global Mean 4.0E–03 hPa
CO2 % Change = 1.46846%
(0.262226 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

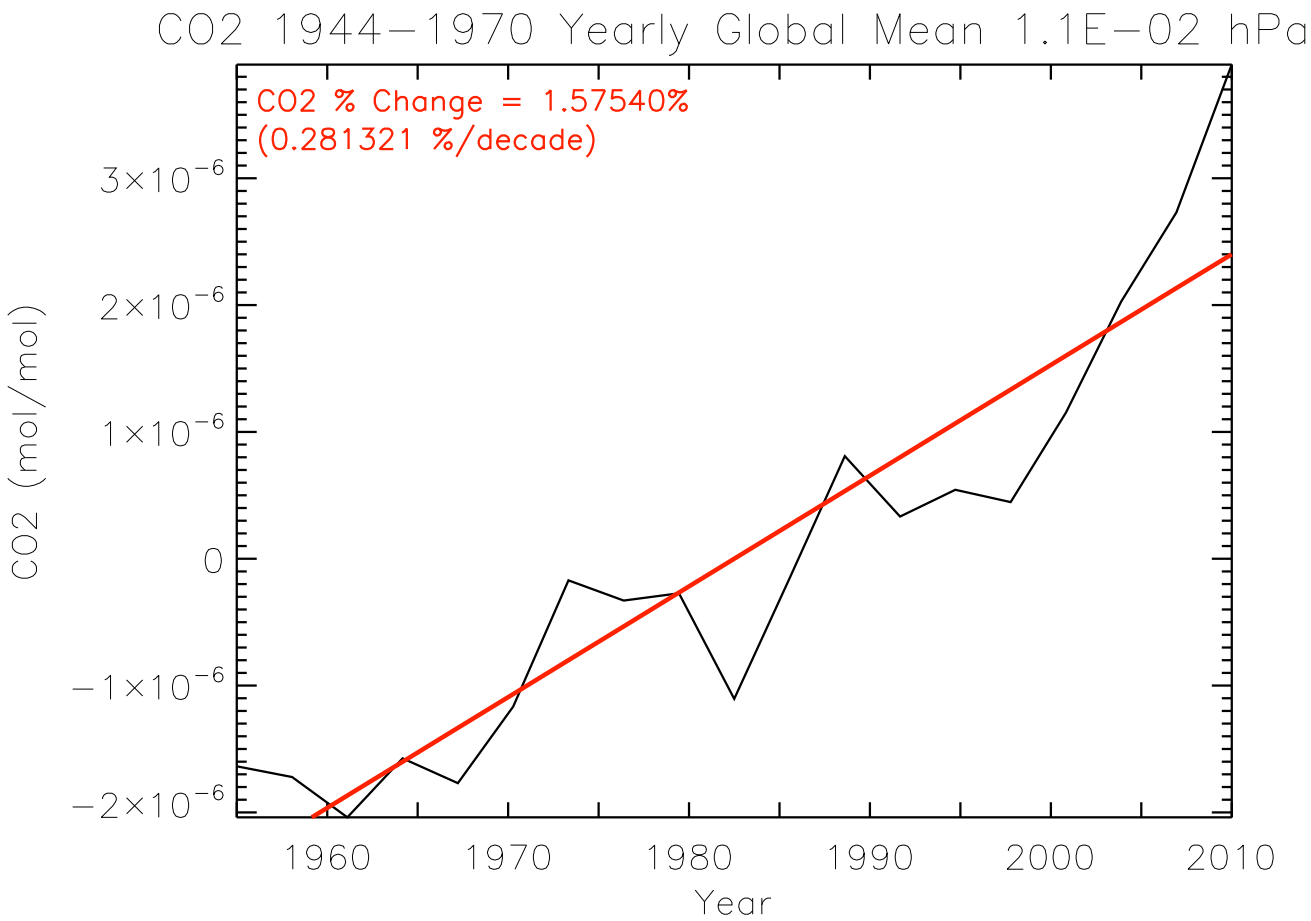

T 1944–1970 Yearly Global Mean 4.0E–03 hPa
1.0
0.5
0.0
−0.5
−1.0
T (K)
T Change = 0.573744 K
(0.102454 K/decade)
1960
1970
1980
1990
2000
2010
Year

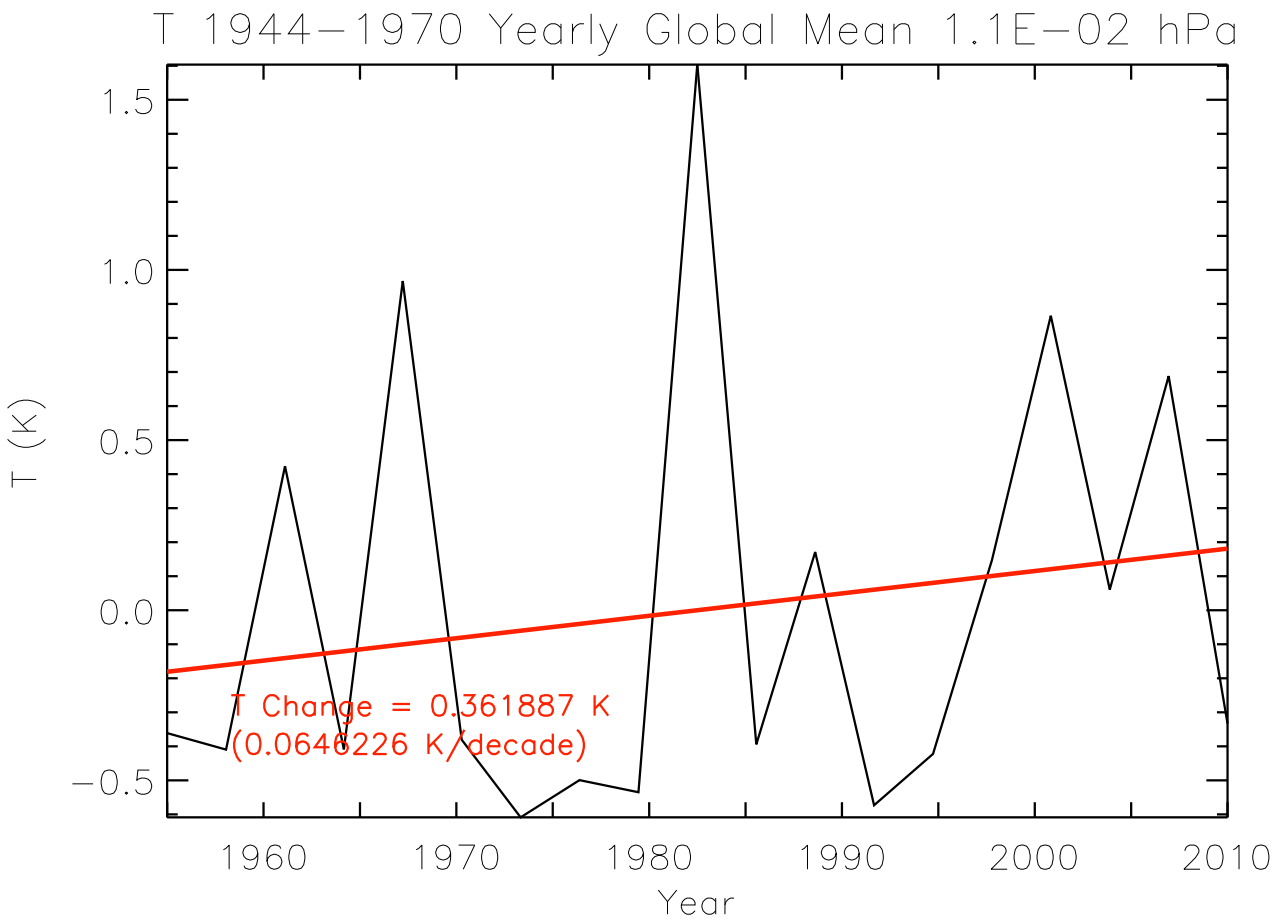

NO 1944–1970 Yearly Global Mean Residuals 4.0E–03 hPa
NO (mol/mol)
1×10⁻⁹
5×10⁻¹⁰
0
−5×10⁻¹⁰
−1×10⁻⁹
1960
1970
1980
1990
2000
2010
Year

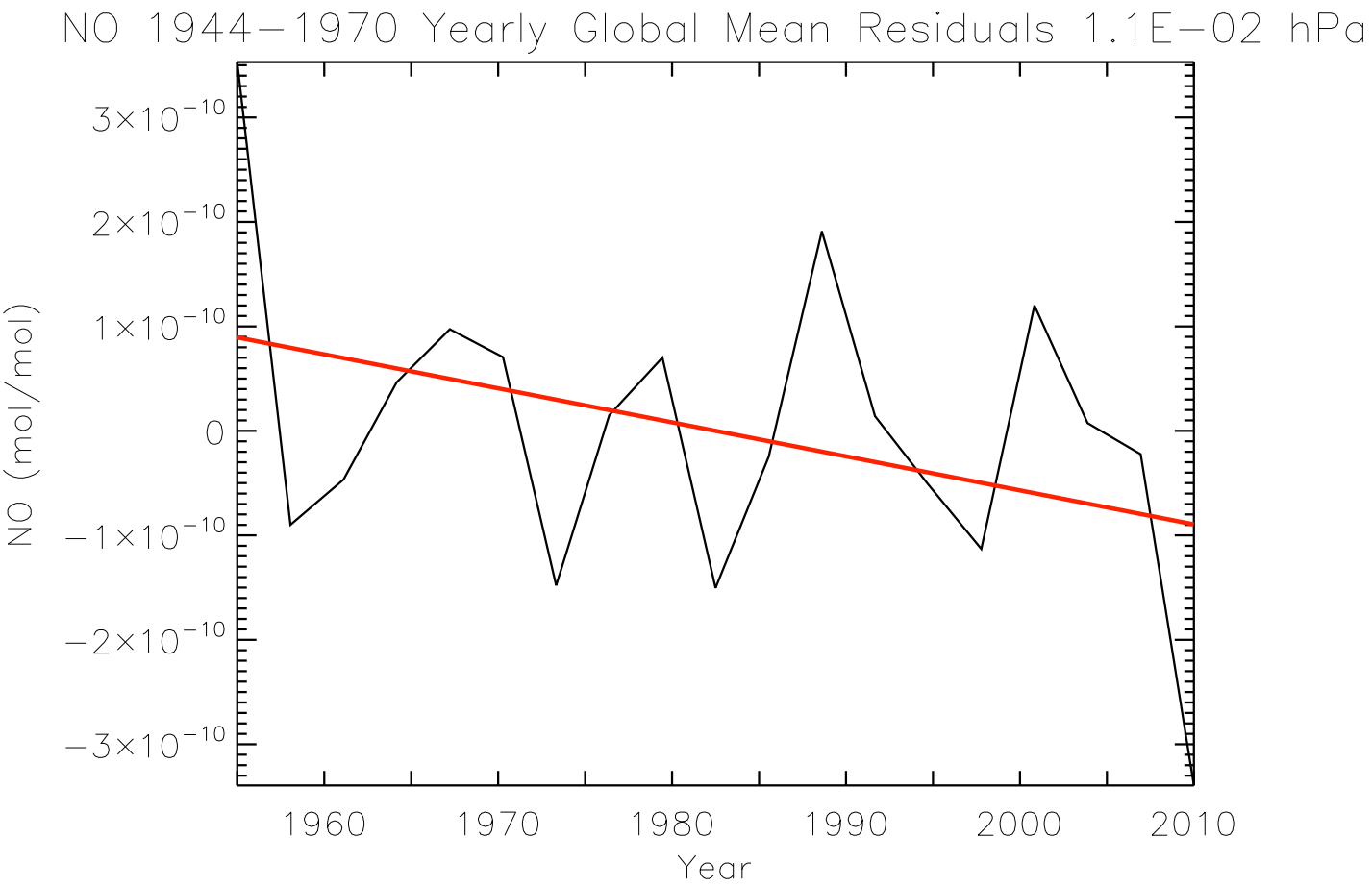

CO2 1944–1970 Yearly Global Mean 6.6E–03 hPa
CO2 % Change = 1.57075%
(0.280492 %/decade)
CO2 (mol/mol)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

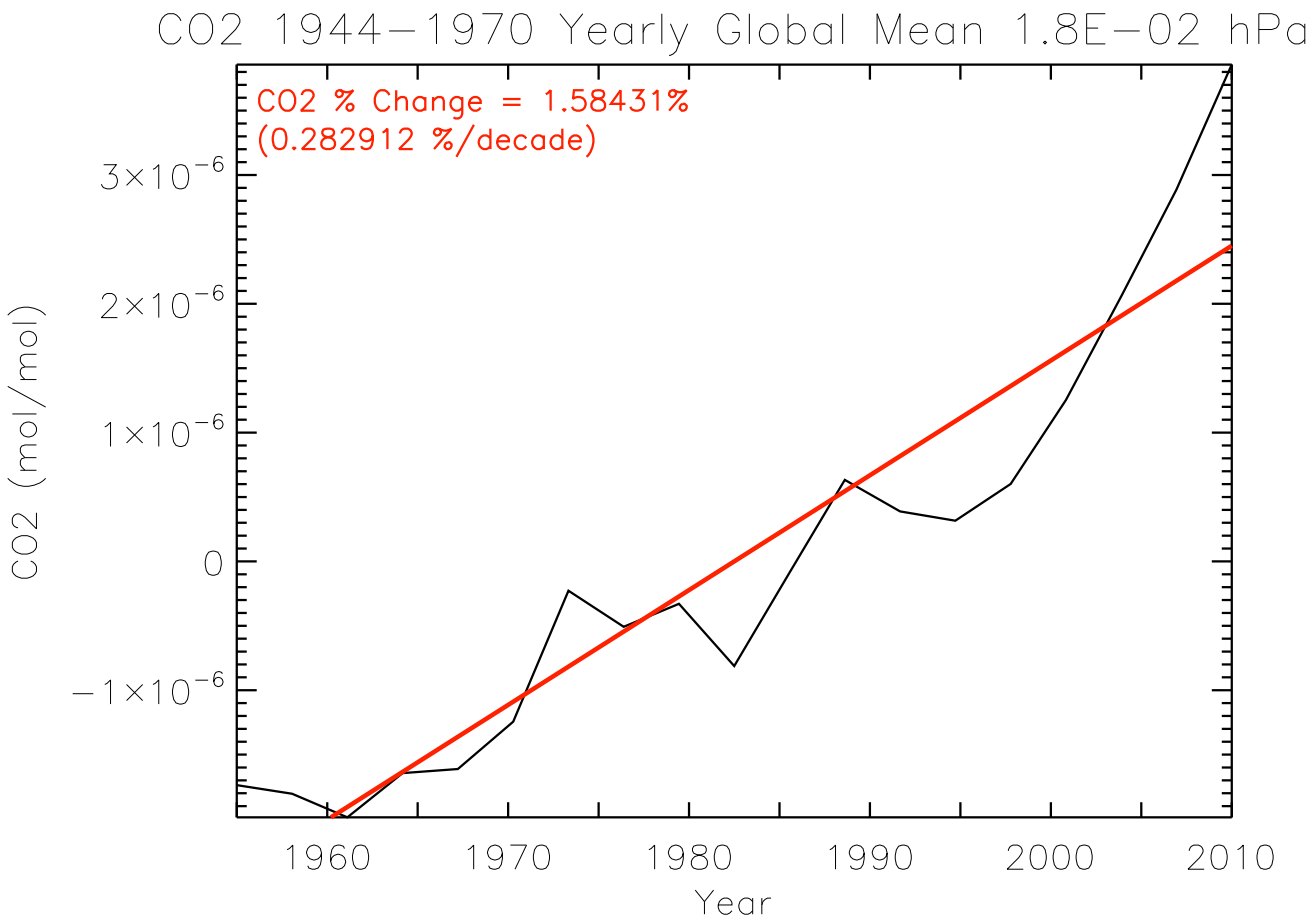

T 1944–1970 Yearly Global Mean 6.6E–03 hPa
T (K)
1.0
0.5
0.0
–0.5
T Change = 0.505073 K
(0.0901917 K/decade)
1960
1970
1980
1990
2000
2010
Year

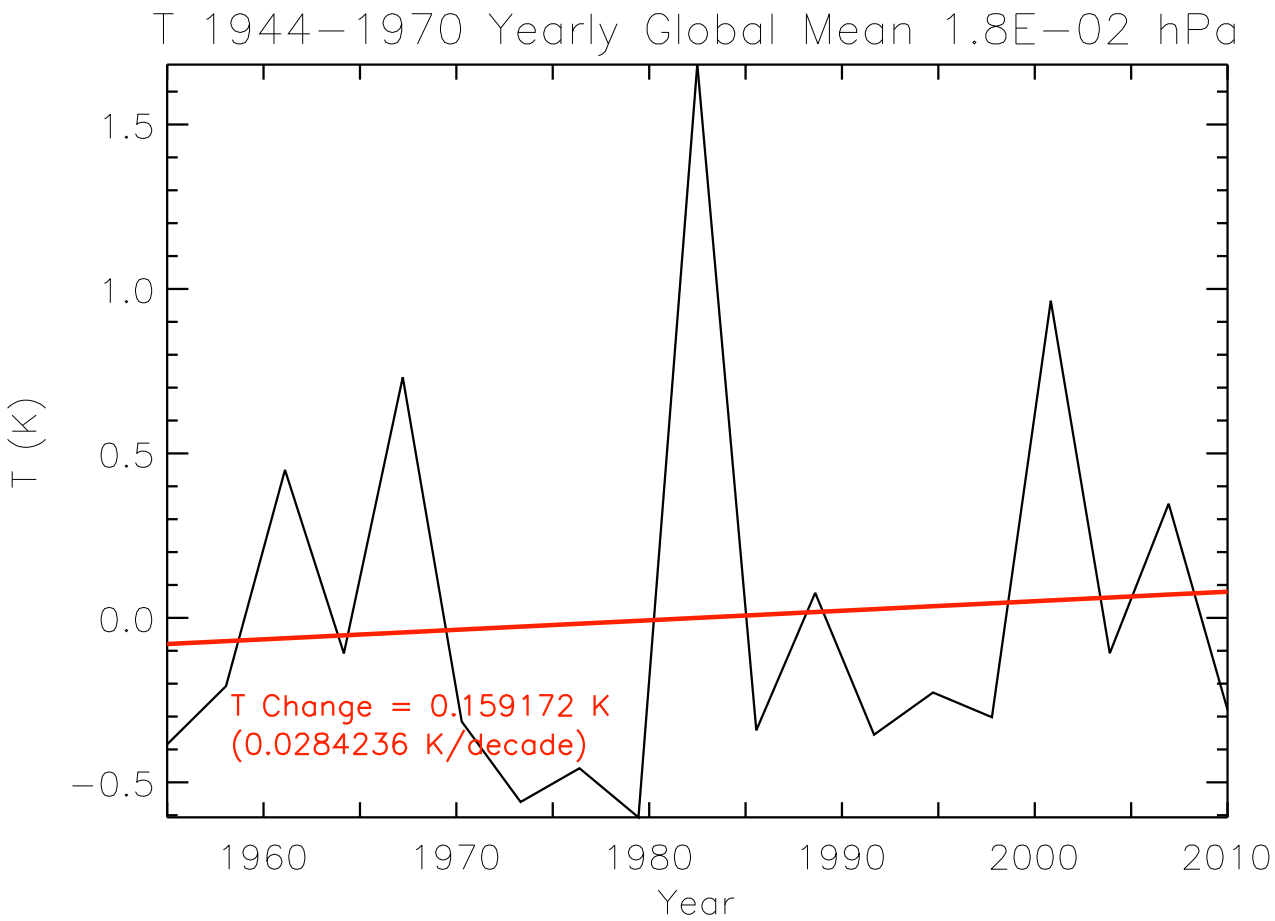

NO 1944–1970 Yearly Global Mean Residuals 6.6E–03 hPa
6×10⁻¹⁰
4×10⁻¹⁰
2×10⁻¹⁰
0
−2×10⁻¹⁰
−4×10⁻¹⁰
−6×10⁻¹⁰
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

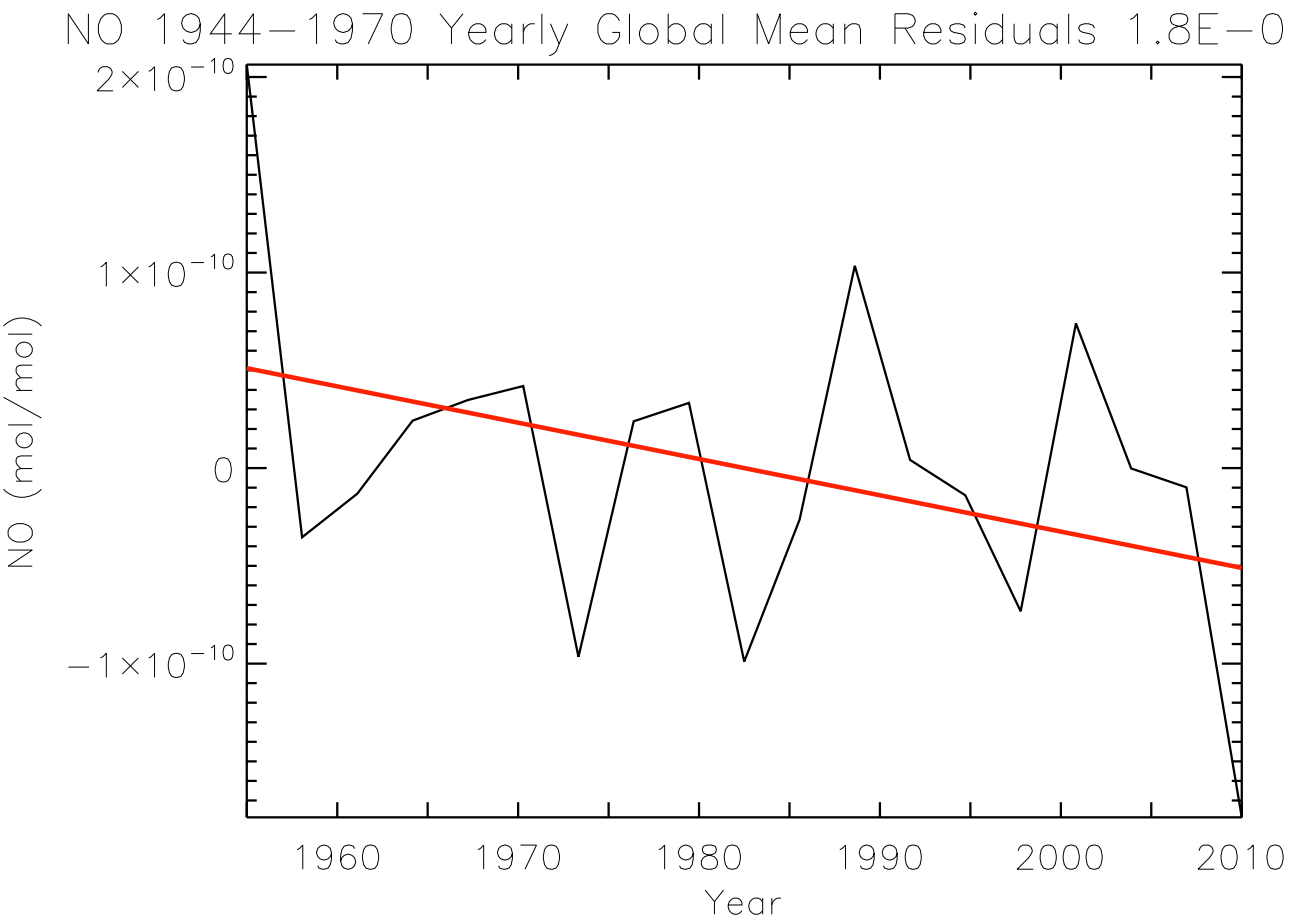

CO2 1944–1970 Yearly Global Mean 1.1E–02 hPa
CO2 % Change = 1.57540%
(0.281321 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

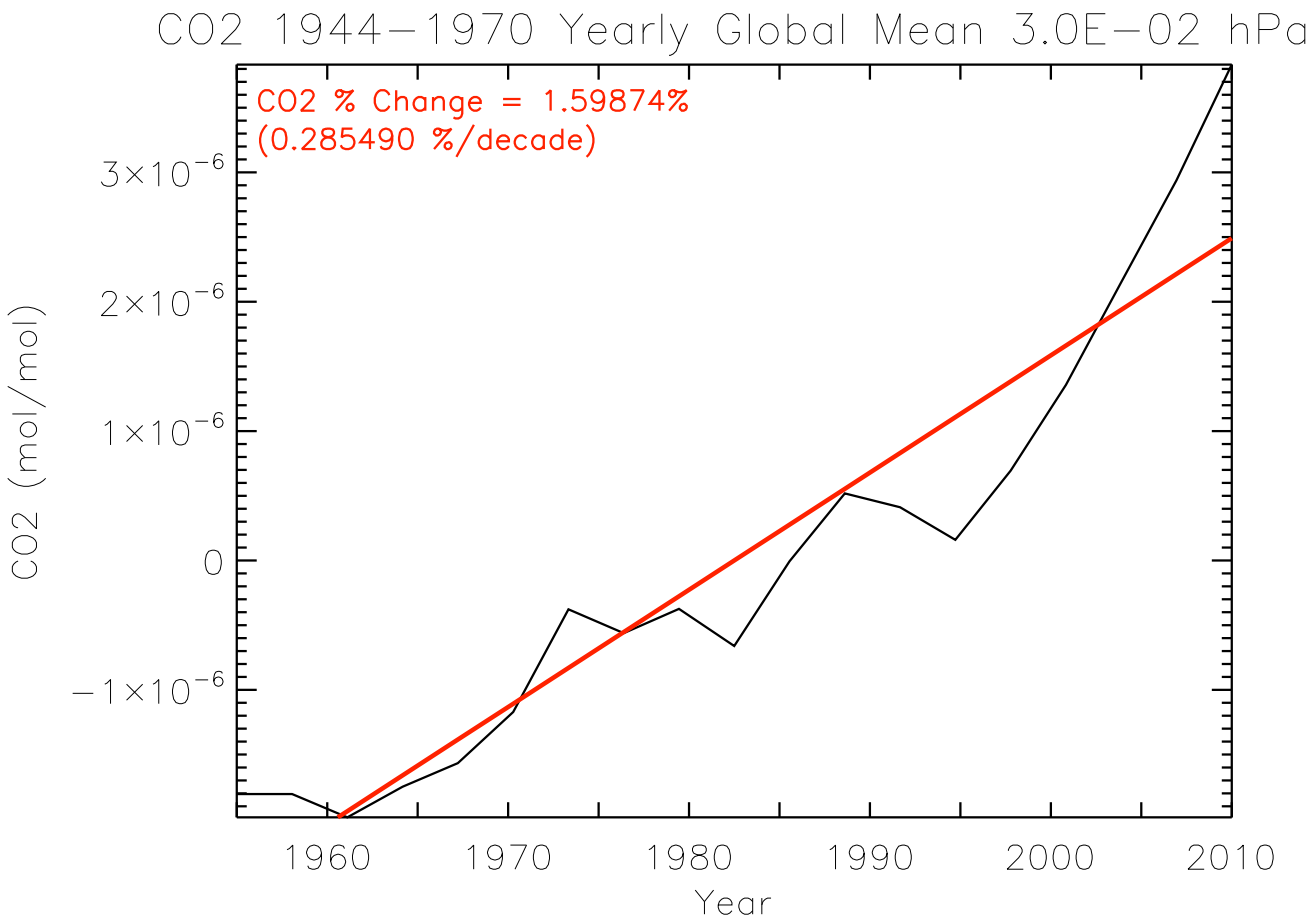

T 1944–1970 Yearly Global Mean 1.1E–02 hPa
T (K)
1.5
1.0
0.5
0.0
−0.5
T Change = 0.361887 K
(0.0646226 K/decade)
1960
1970
1980
1990
2000
2010
Year

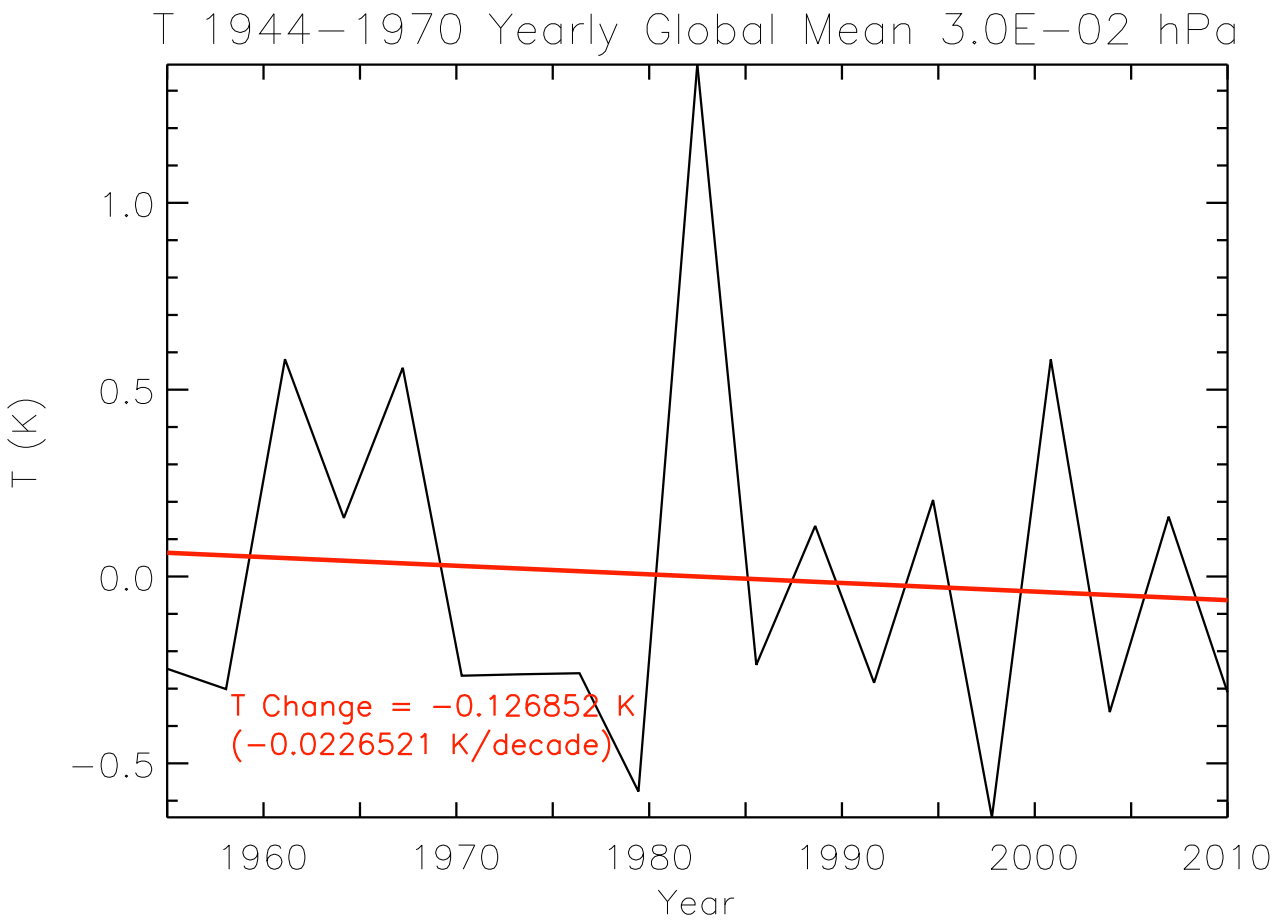

NO 1944–1970 Yearly Global Mean Residuals 1.1E–02 hPa
NO (mol/mol)
3×10⁻¹⁰
2×10⁻¹⁰
1×10⁻¹⁰
0
−1×10⁻¹⁰
−2×10⁻¹⁰
−3×10⁻¹⁰
1960
1970
1980
1990
2000
2010
Year

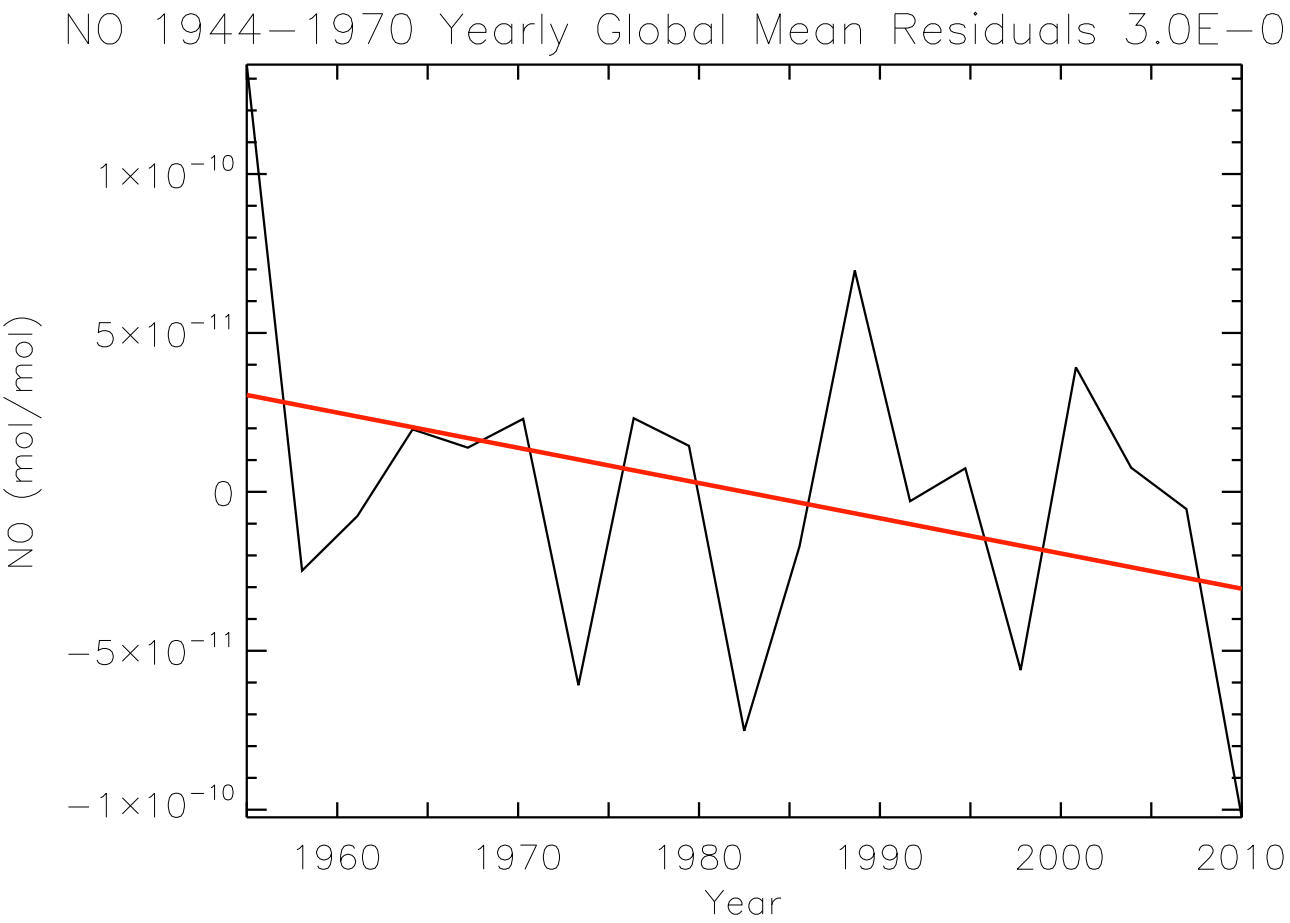

CO2 1944–1970 Yearly Global Mean 1.8E–02 hPa
CO2 % Change = 1.58431%
(0.282912 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

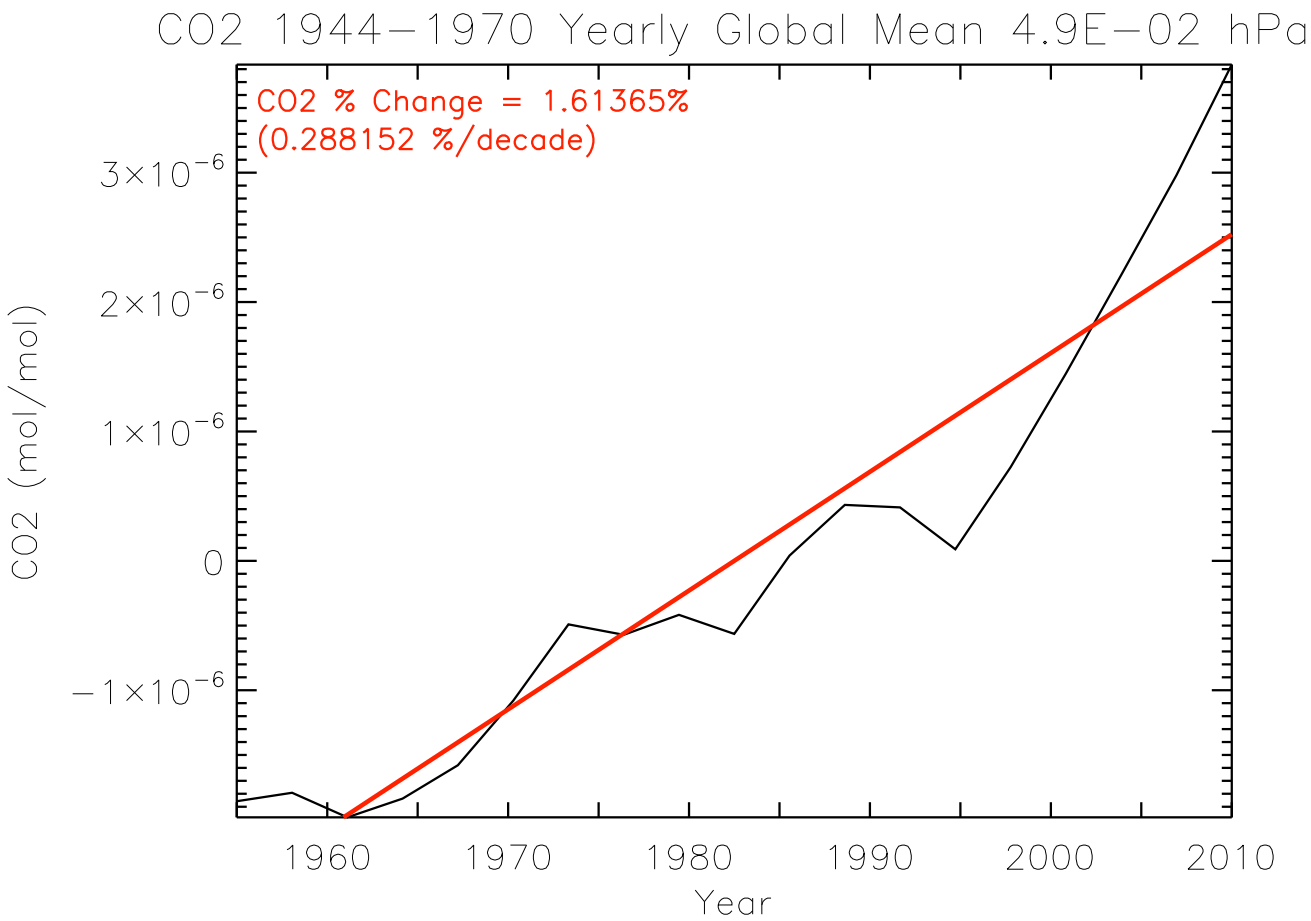

T 1944–1970 Yearly Global Mean 1.8E–02 hPa
T (K)
1.5
1.0
0.5
0.0
−0.5
T Change = 0.159172 K
(0.0284236 K/decade)
1960
1970
1980
1990
2000
2010
Year

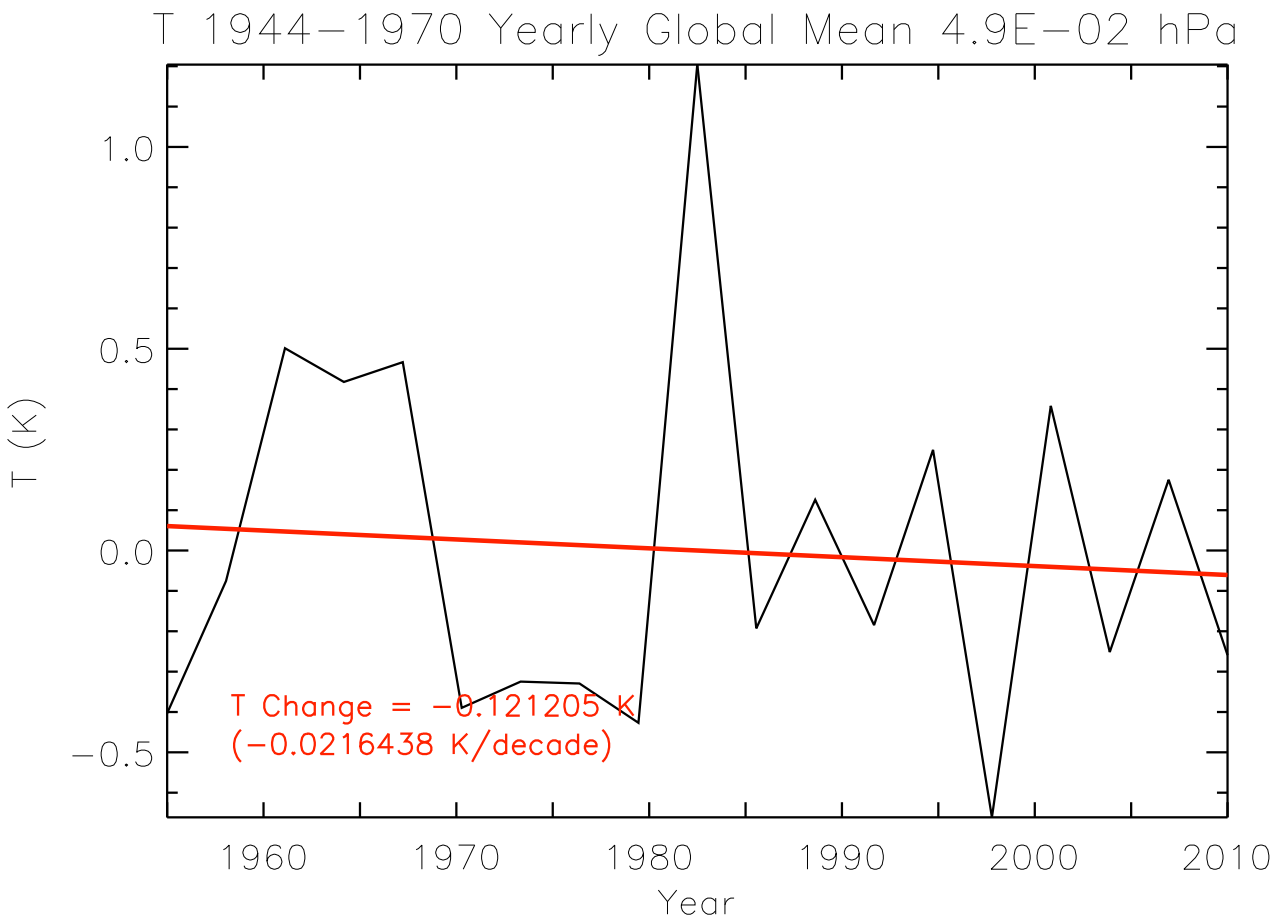

NO 1944–1970 Yearly Global Mean Residuals 1.8E–02 hPa
2×10⁻¹⁰
1×10⁻¹⁰
0
−1×10⁻¹⁰
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

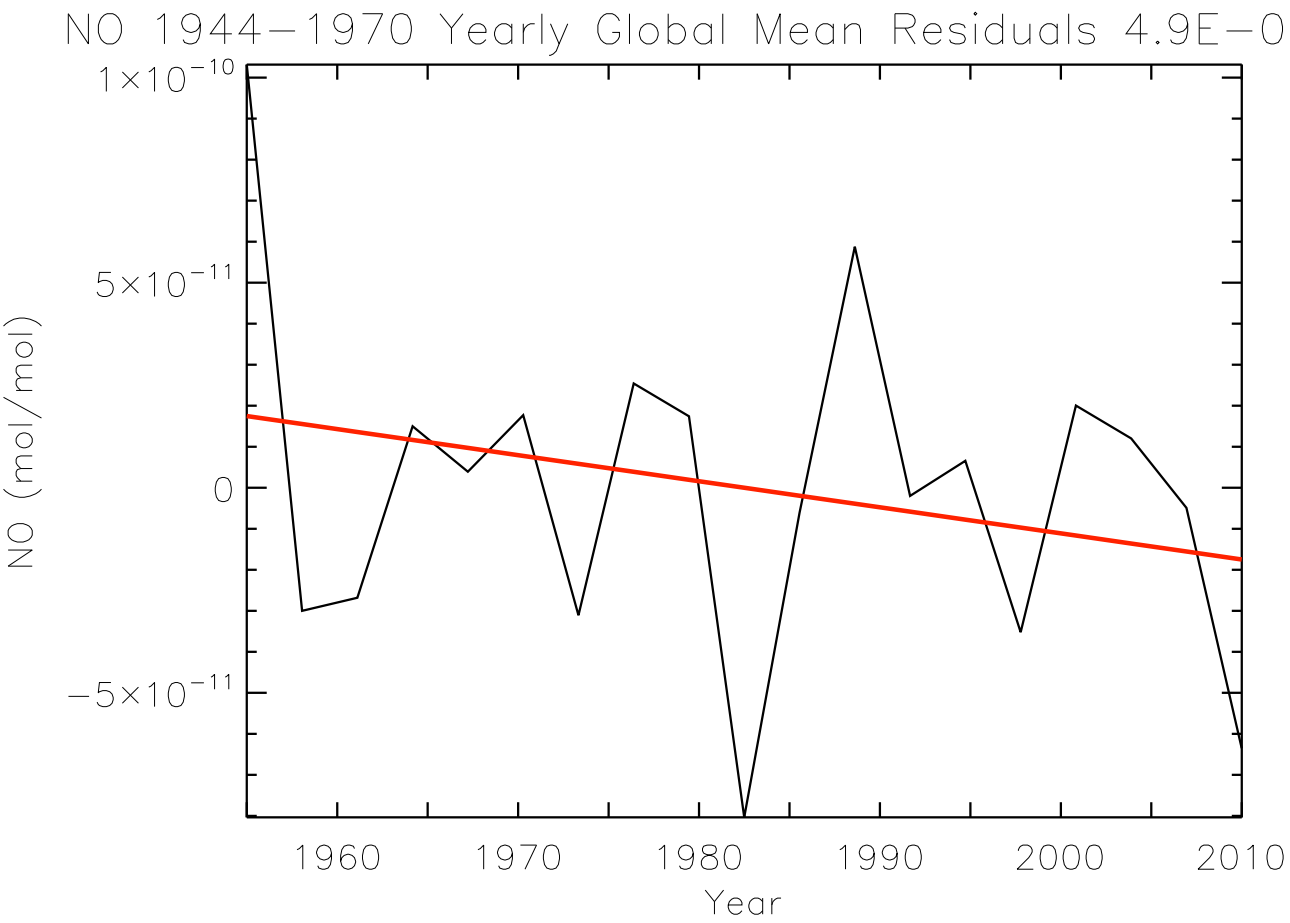

CO2 1944–1970 Yearly Global Mean 3.0E–02 hPa
CO2 % Change = 1.59874%
(0.285490 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

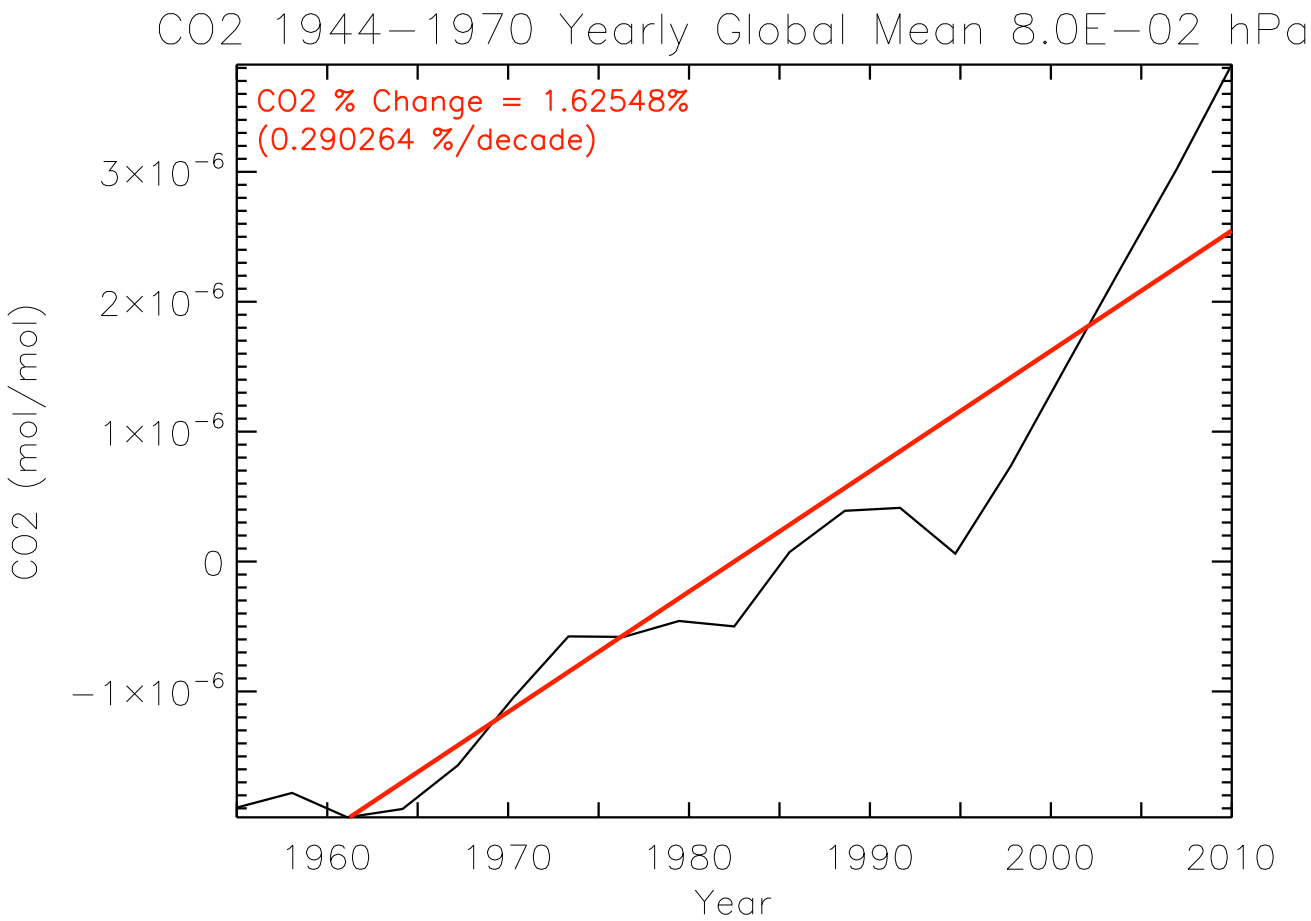

T 1944–1970 Yearly Global Mean 3.0E–02 hPa
T (K)
1.0
0.5
0.0
–0.5
T Change = –0.126852 K
(–0.0226521 K/decade)
1960
1970
1980
1990
2000
2010
Year

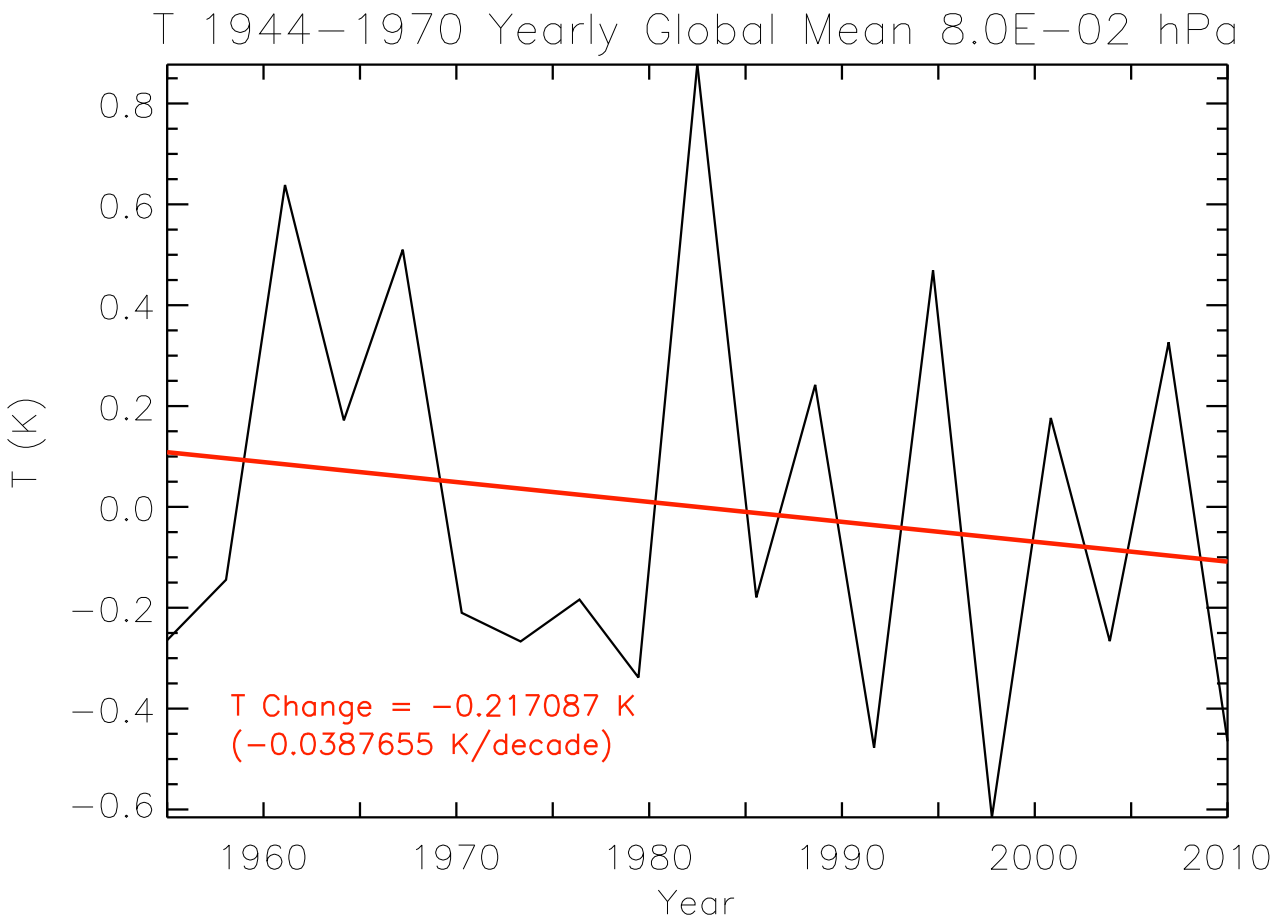

NO 1944–1970 Yearly Global Mean Residuals 3.0E–02 hPa
NO (mol/mol)
1×10⁻¹⁰
5×10⁻¹¹
0
−5×10⁻¹¹
−1×10⁻¹⁰
1960
1970
1980
1990
2000
2010
Year

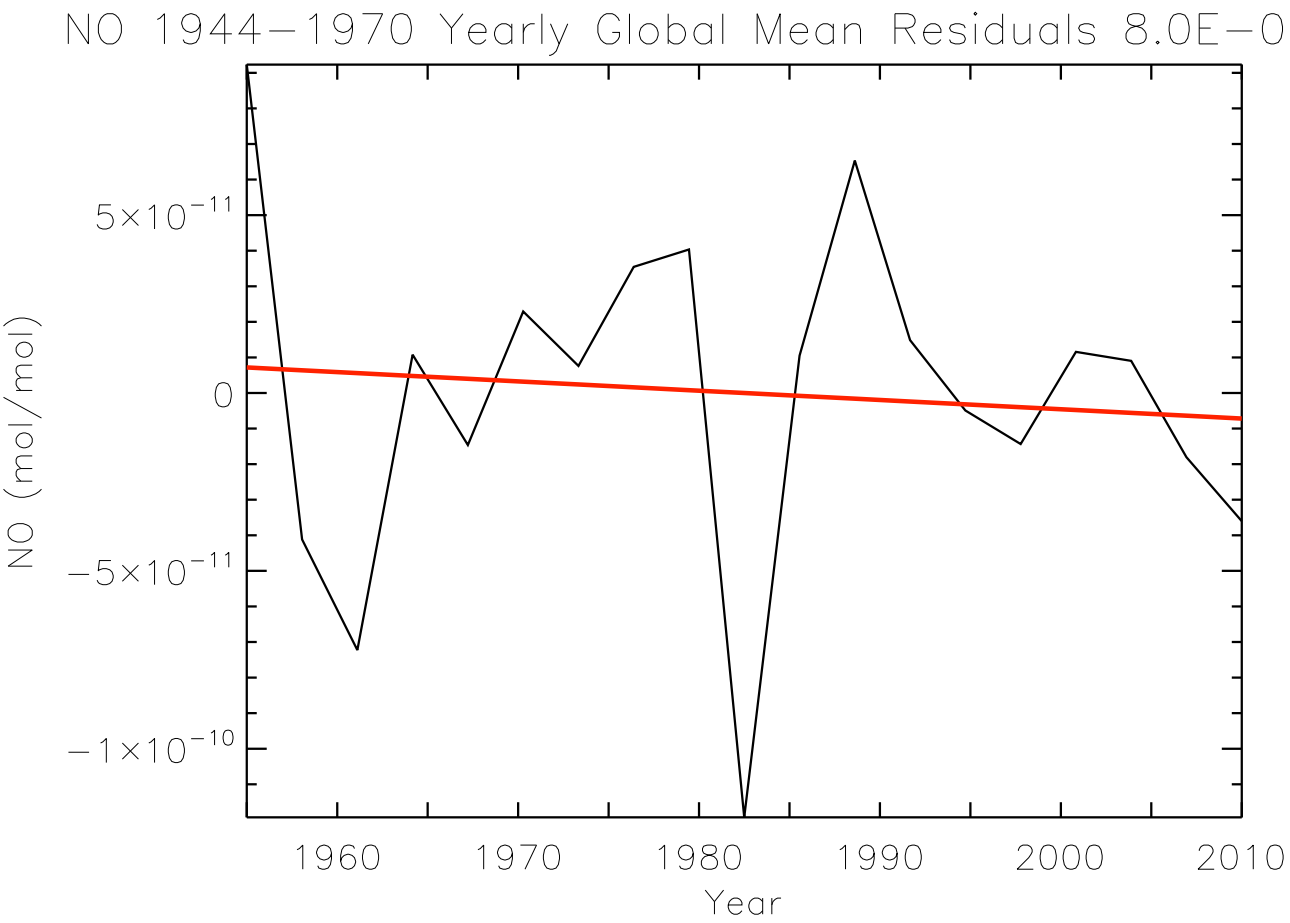

CO2 1944–1970 Yearly Global Mean 4.9E–02 hPa
CO2 % Change = 1.61365%
(0.288152 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

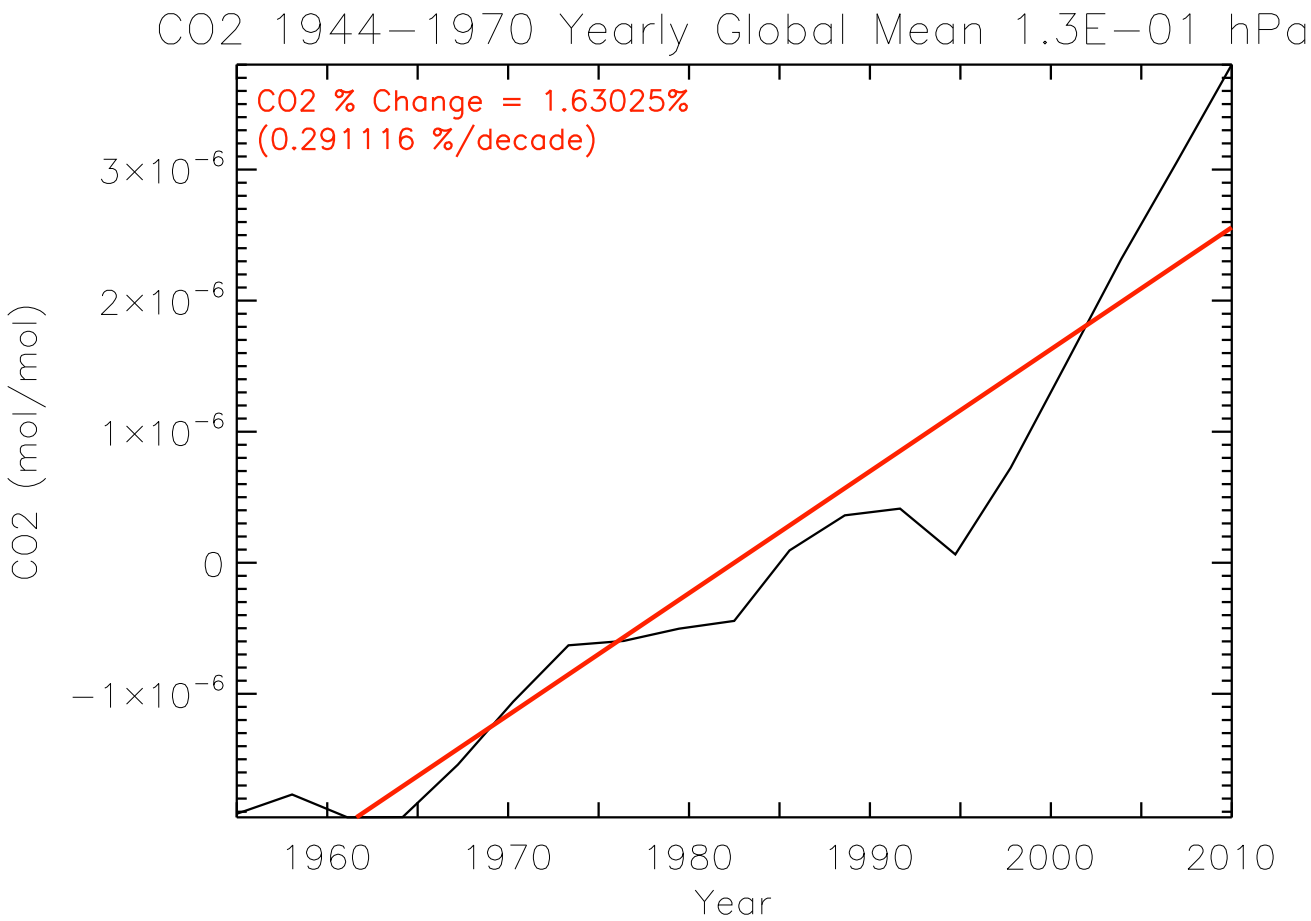

T 1944–1970 Yearly Global Mean 4.9E–02 hPa
1.0
0.5
0.0
−0.5
T (K)
T Change = −0.121205 K
(−0.0216438 K/decade)
1960
1970
1980
1990
2000
2010
Year

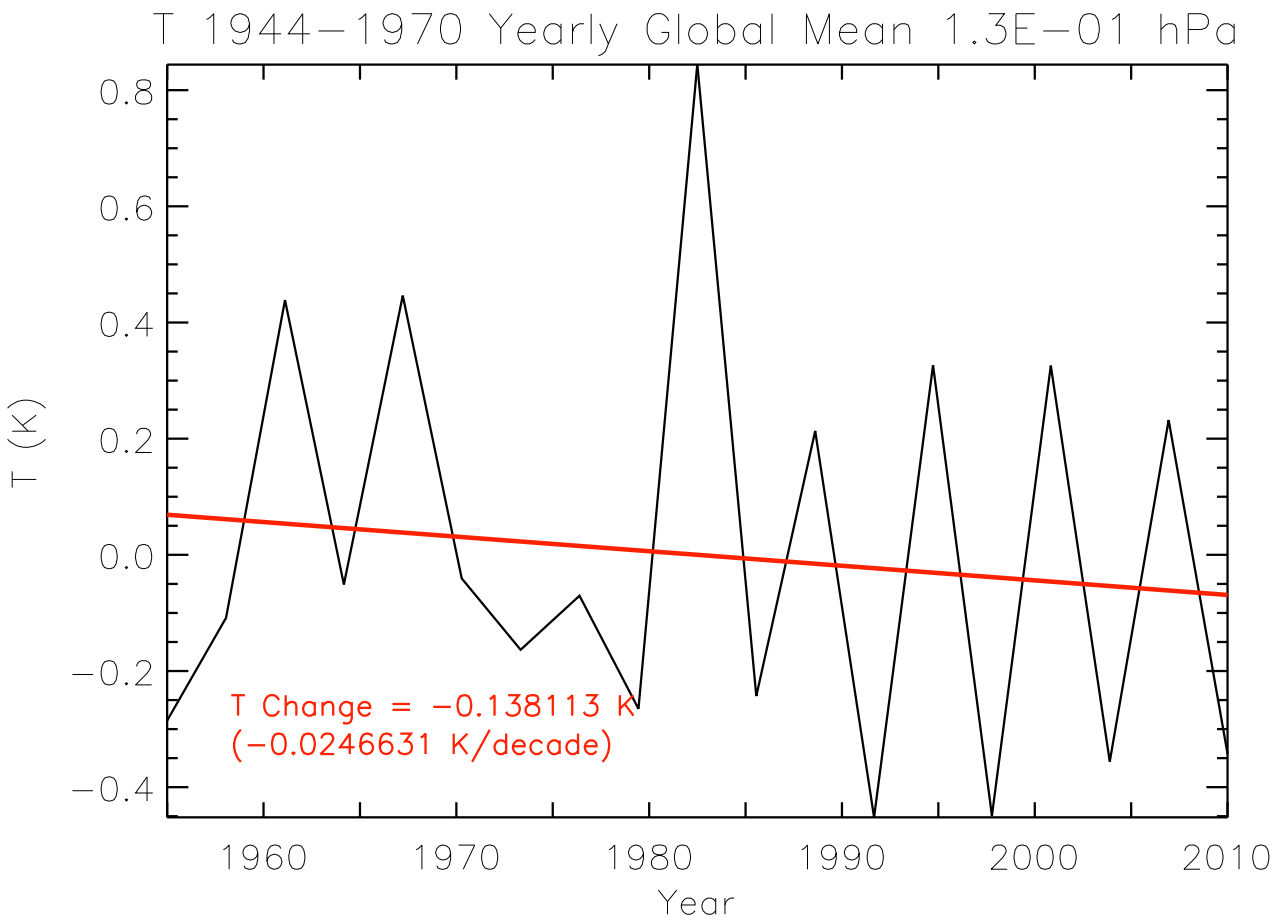

NO 1944–1970 Yearly Global Mean Residuals 4.9E–02 hPa
1×10−10
5×10−11
0
−5×10−11
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

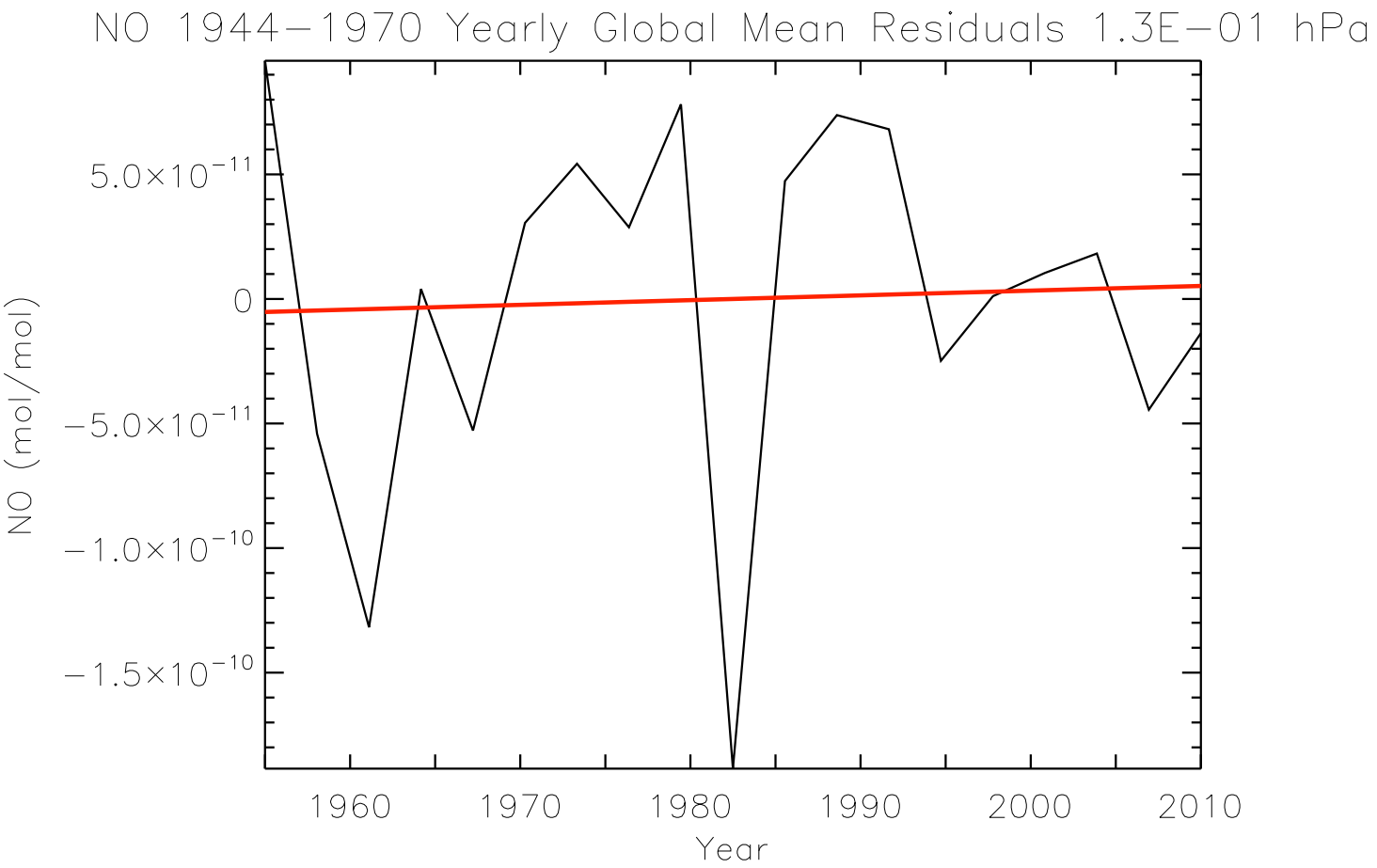

CO2 1944–1970 Yearly Global Mean 8.0E–02 hPa
CO2 % Change = 1.62548%
(0.290264 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

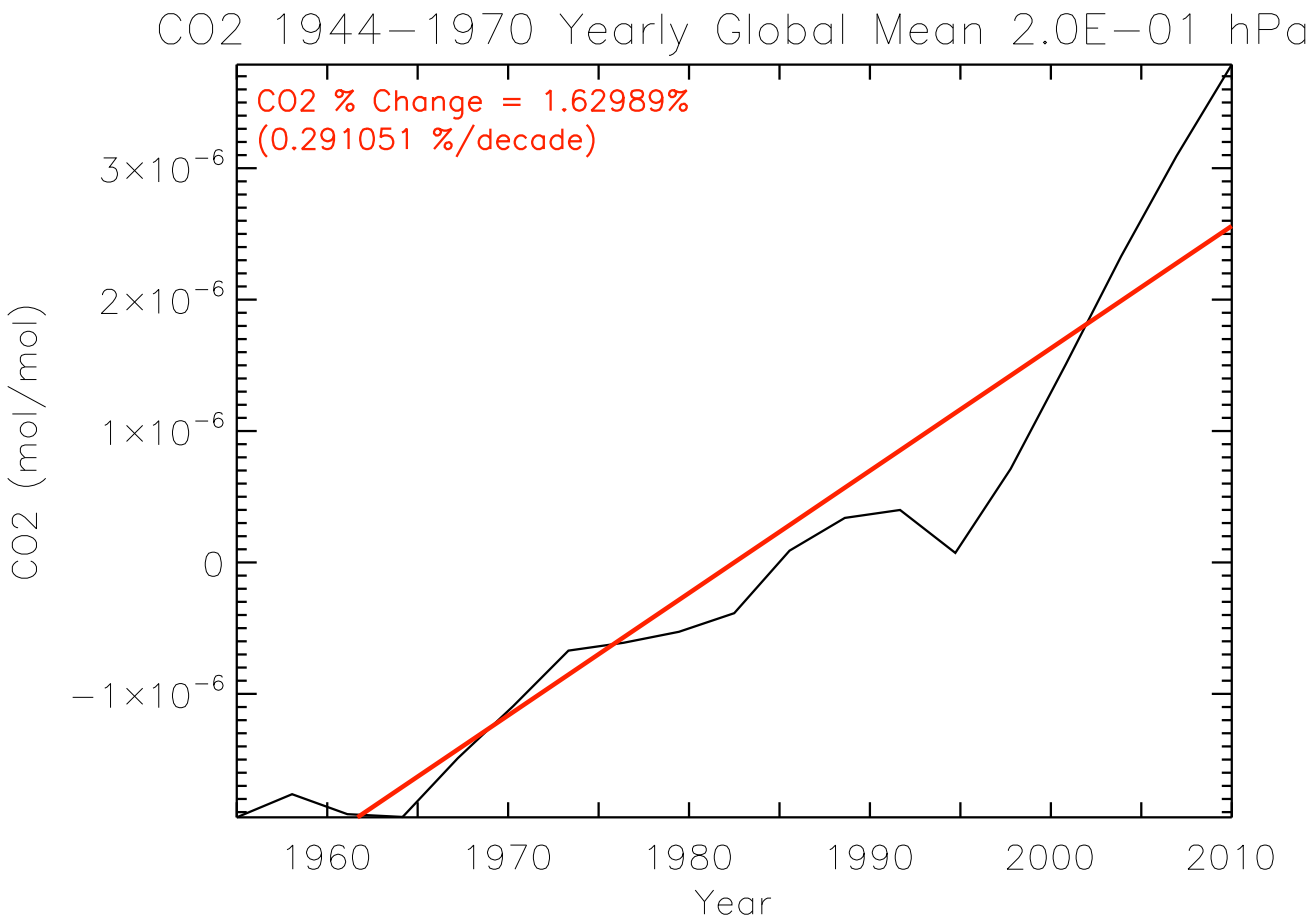

T 1944–1970 Yearly Global Mean 8.0E–02 hPa
T (K)
0.8
0.6
0.4
0.2
0.0
–0.2
–0.4
–0.6
T Change = –0.217087 K
(–0.0387655 K/decade)
1960
1970
1980
1990
2000
2010
Year

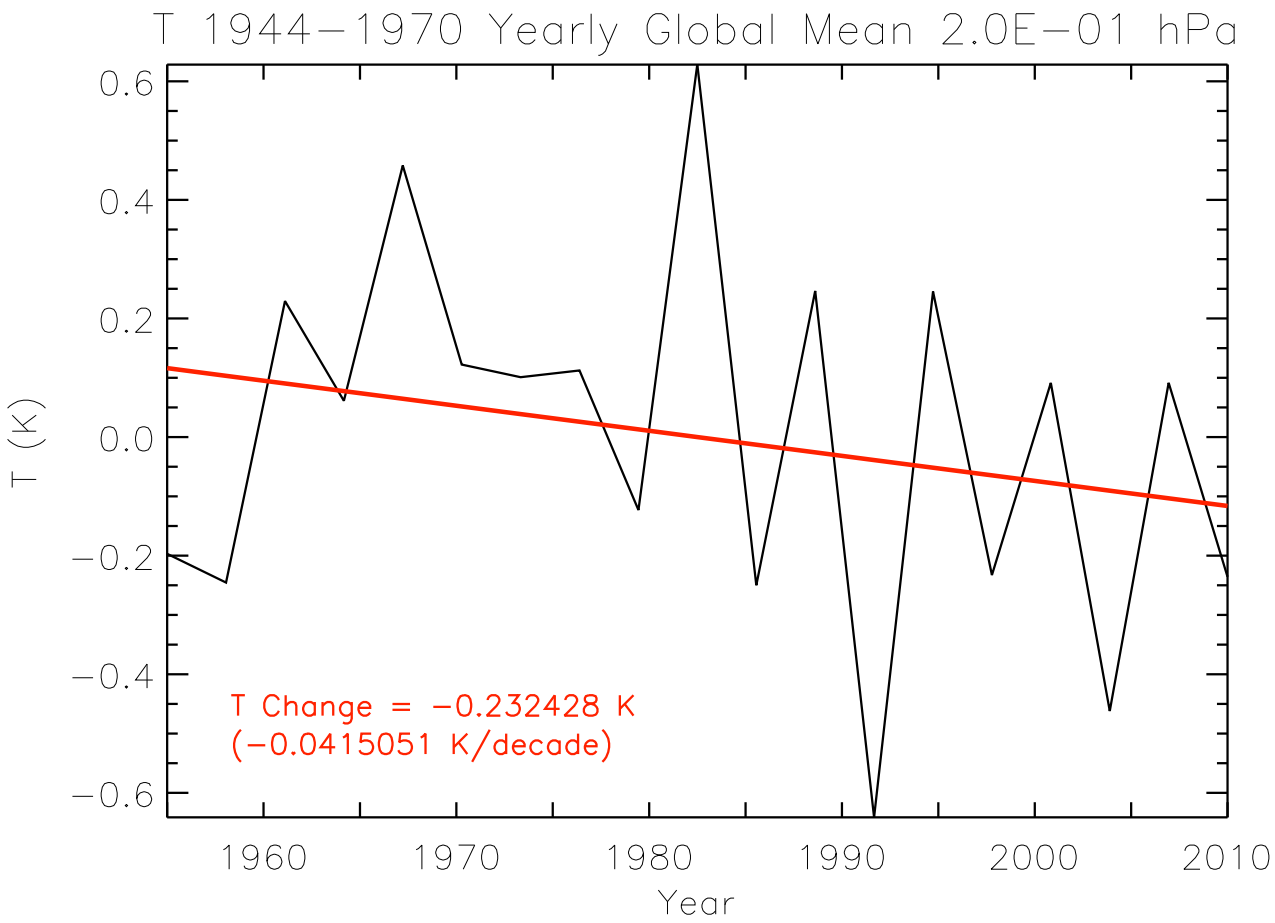

NO 1944–1970 Yearly Global Mean Residuals 8.0E–02 hPa
NO (mol/mol)
5×10⁻¹¹
0
−5×10⁻¹¹
−1×10⁻¹⁰
1960
1970
1980
1990
2000
2010
Year

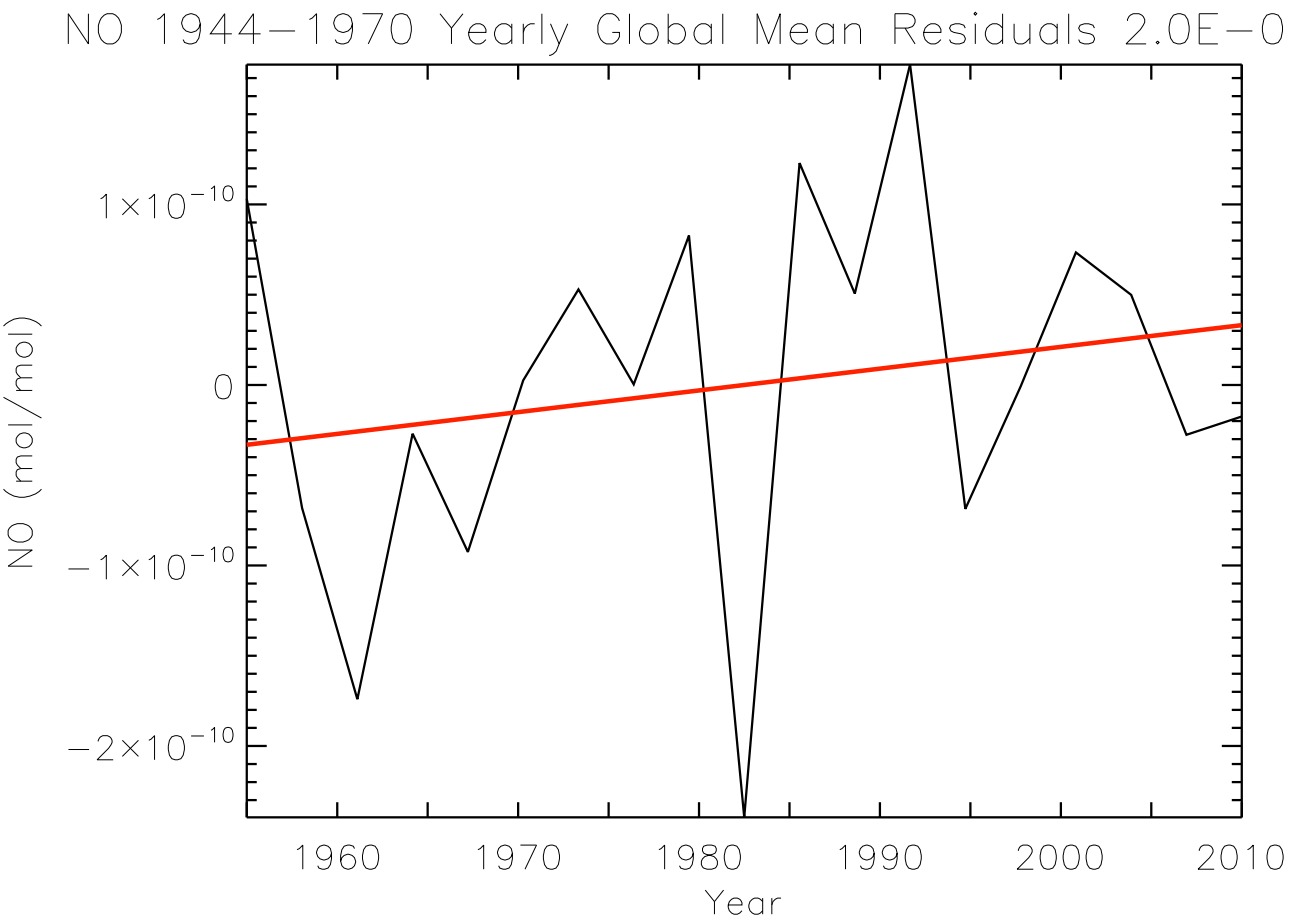

CO2 1944–1970 Yearly Global Mean 1.3E–01 hPa
CO2 % Change = 1.63025%
(0.291116 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

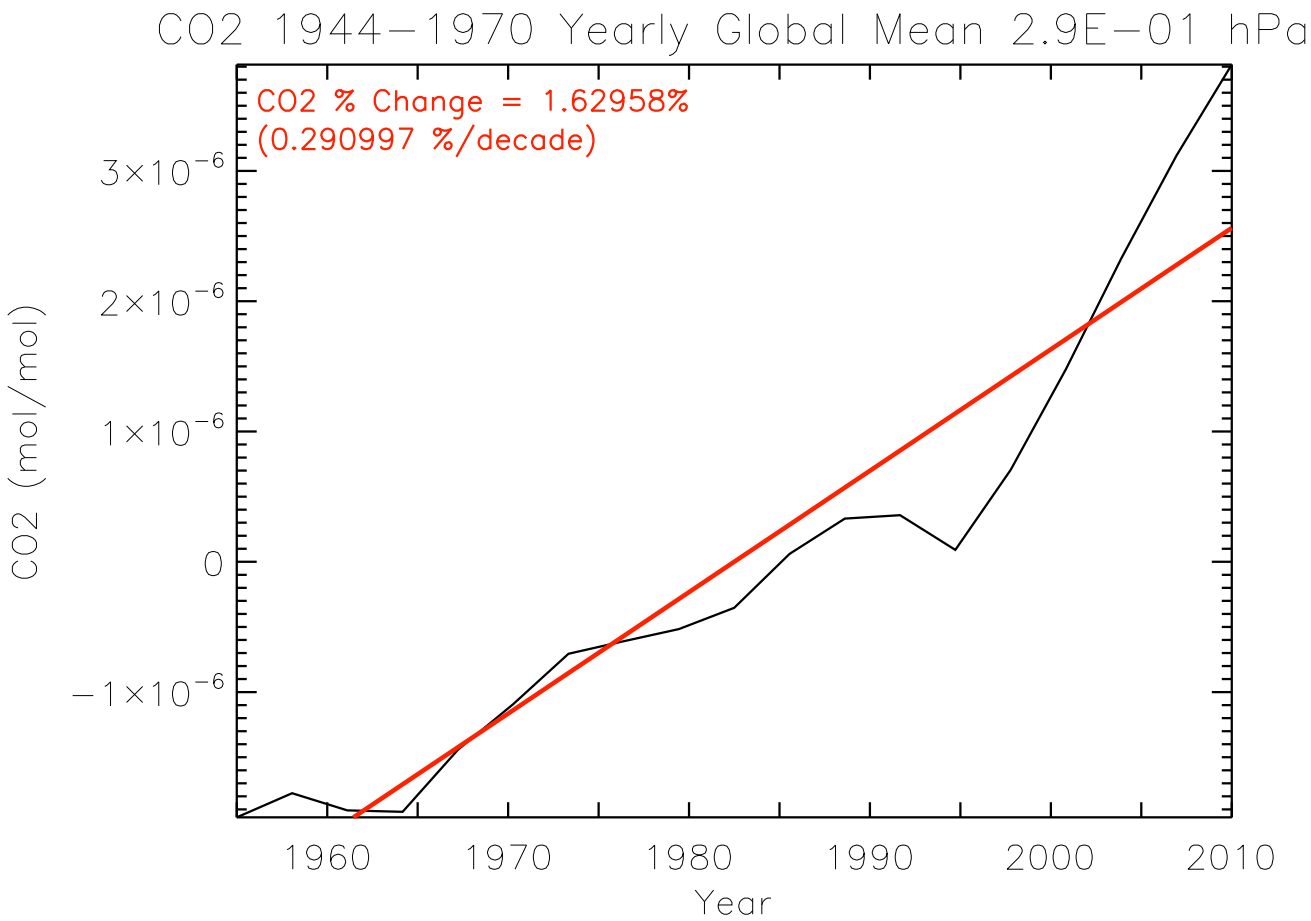

T 1944–1970 Yearly Global Mean 1.3E–01 hPa
T (K)
0.8
0.6
0.4
0.2
0.0
–0.2
–0.4
T Change = –0.138113 K
(–0.0246631 K/decade)
1960
1970
1980
1990
2000
2010
Year

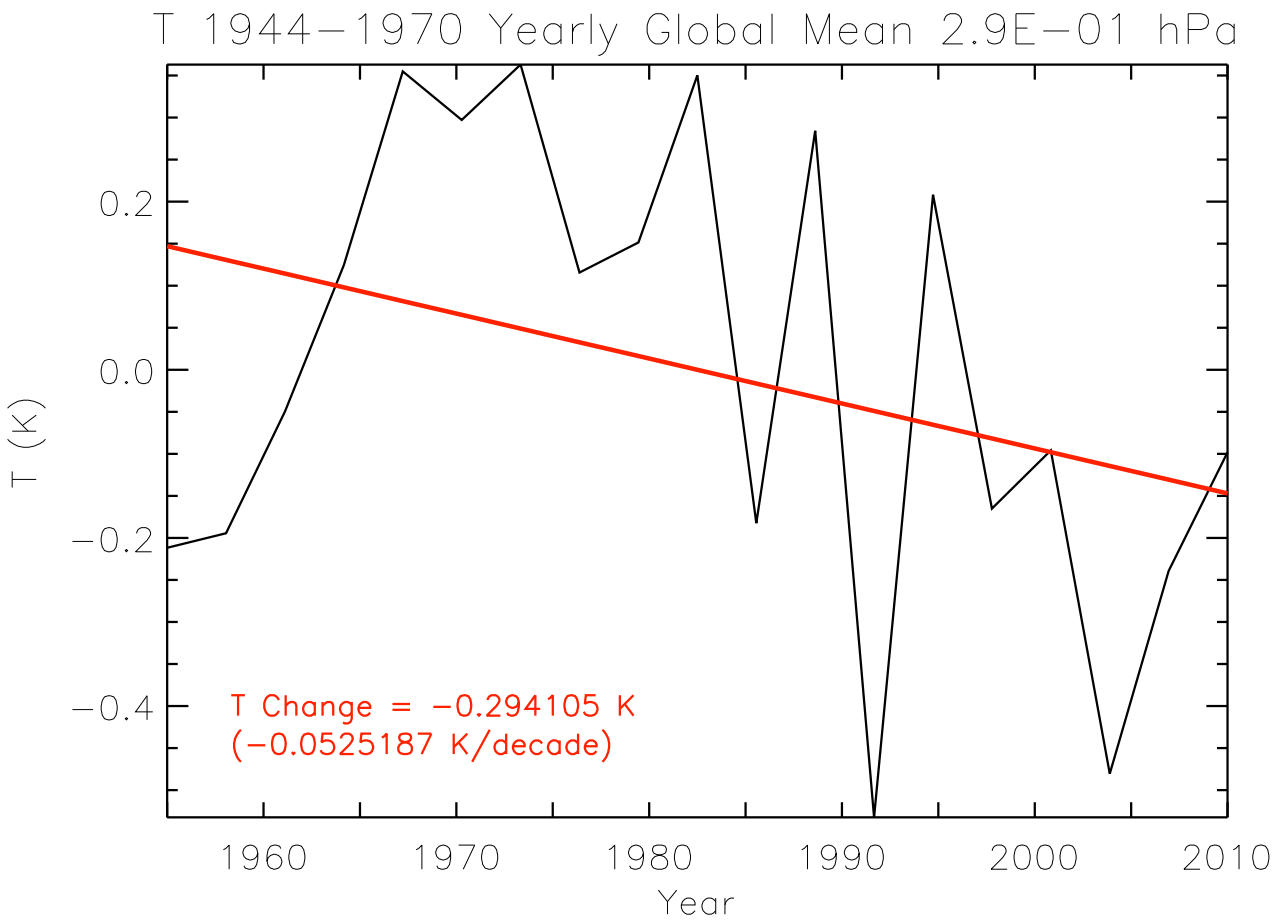

NO 1944–1970 Yearly Global Mean Residuals 1.3E–01 hPa
NO (mol/mol)
5.0×10⁻¹¹
0
−5.0×10⁻¹¹
−1.0×10⁻¹⁰
−1.5×10⁻¹⁰
1960
1970
1980
1990
2000
2010
Year

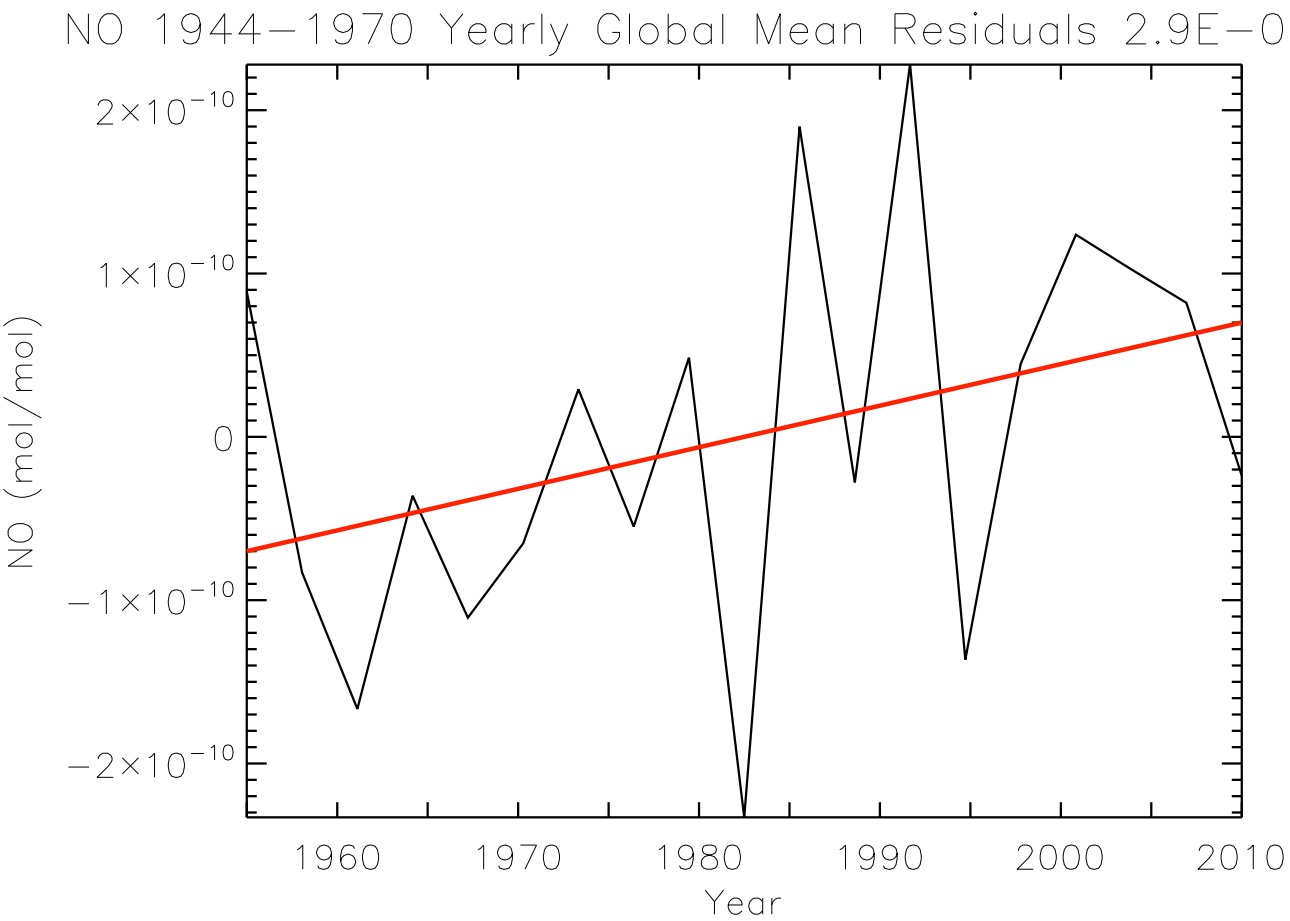

CO2 1944–1970 Yearly Global Mean 2.0E–01 hPa
CO2 % Change = 1.62989%
(0.291051 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

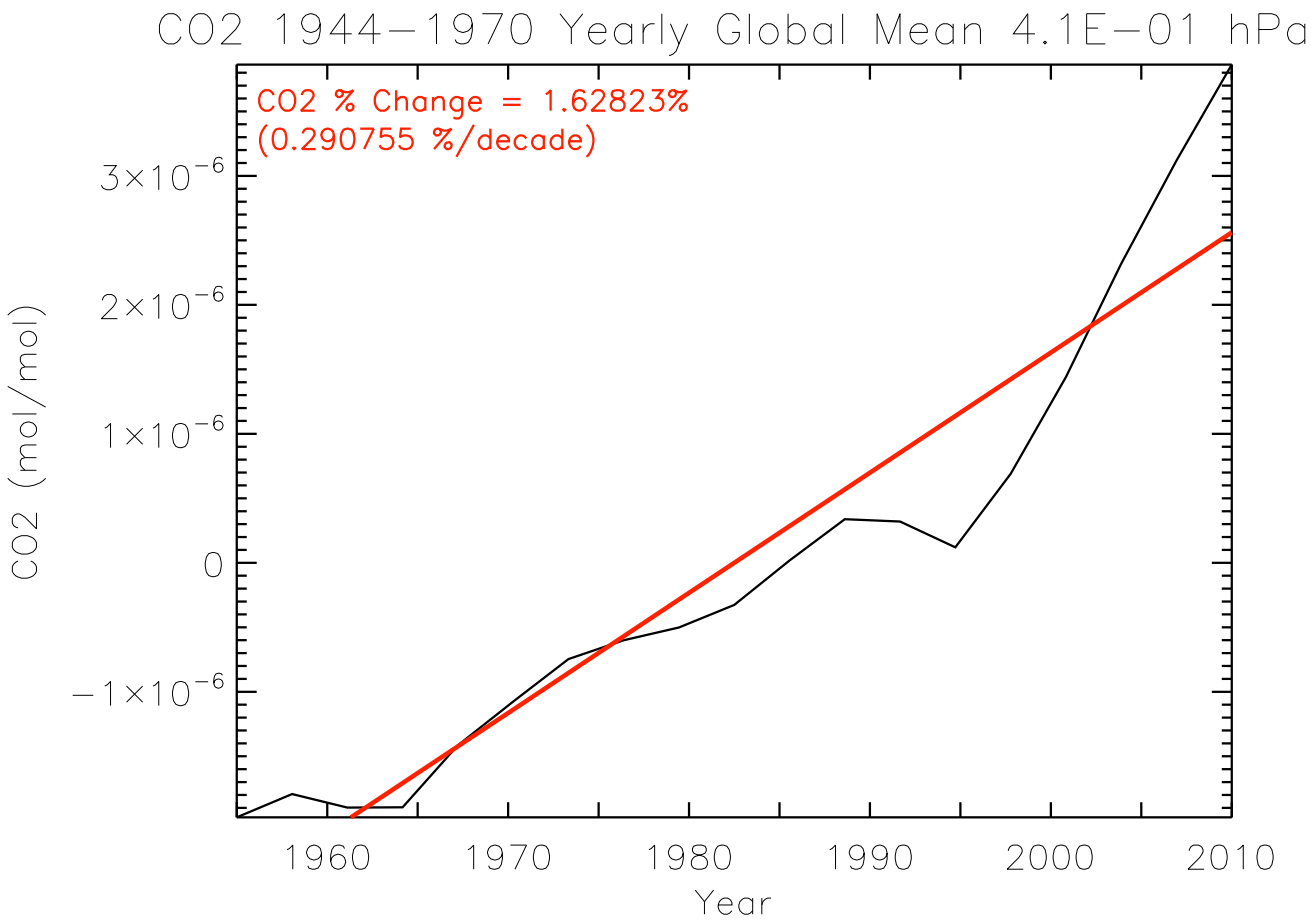

T 1944–1970 Yearly Global Mean 2.0E–01 hPa
T (K)
0.6
0.4
0.2
0.0
–0.2
–0.4
–0.6
T Change = –0.232428 K
(–0.0415051 K/decade)
1960
1970
1980
1990
2000
2010
Year

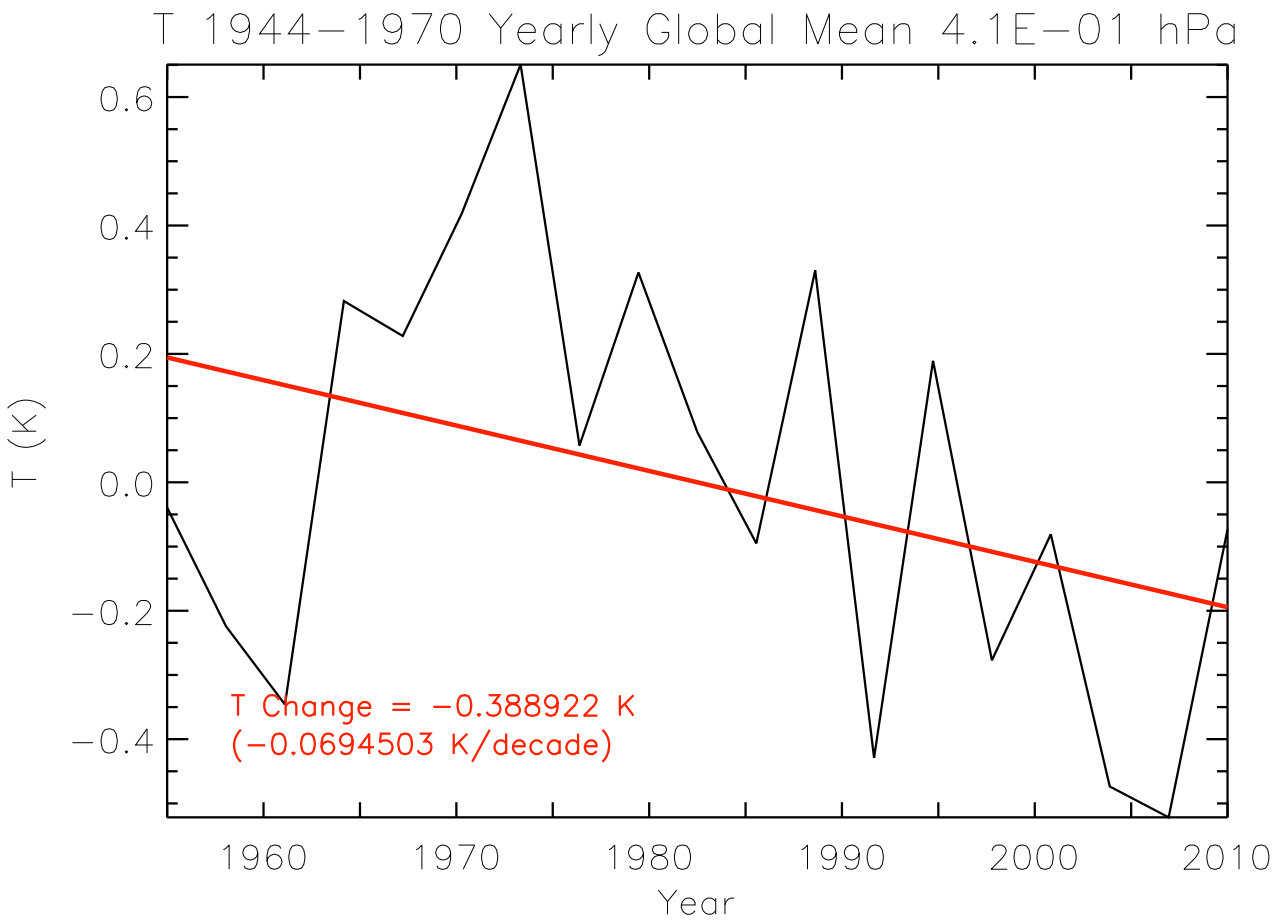

NO 1944–1970 Yearly Global Mean Residuals 2.0E–01 hPa
NO (mol/mol)
1×10⁻¹⁰
0
−1×10⁻¹⁰
−2×10⁻¹⁰
1960
1970
1980
1990
2000
2010
Year

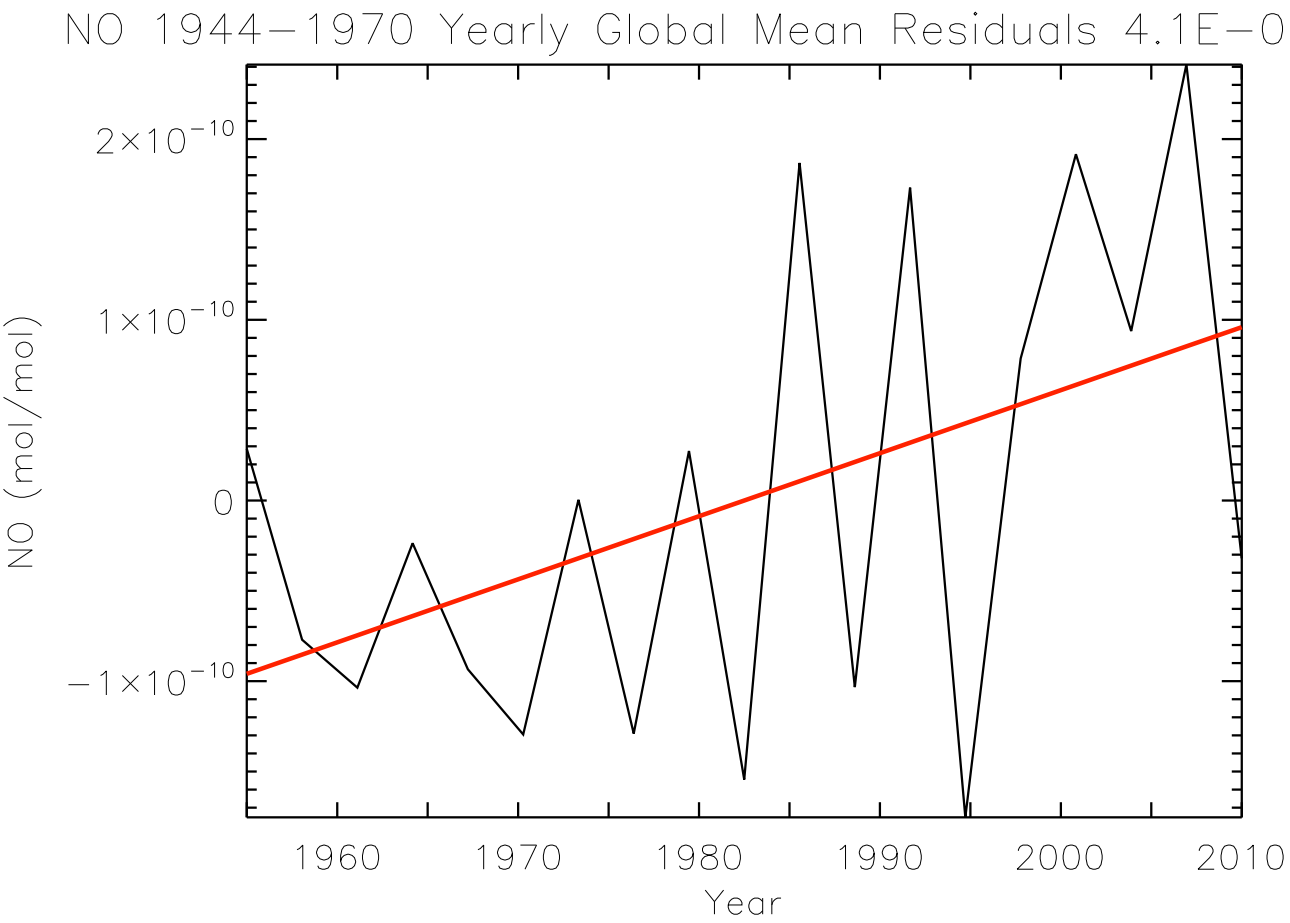

CO2 1944–1970 Yearly Global Mean 2.9E–01 hPa
CO2 % Change = 1.62958%
(0.290997 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

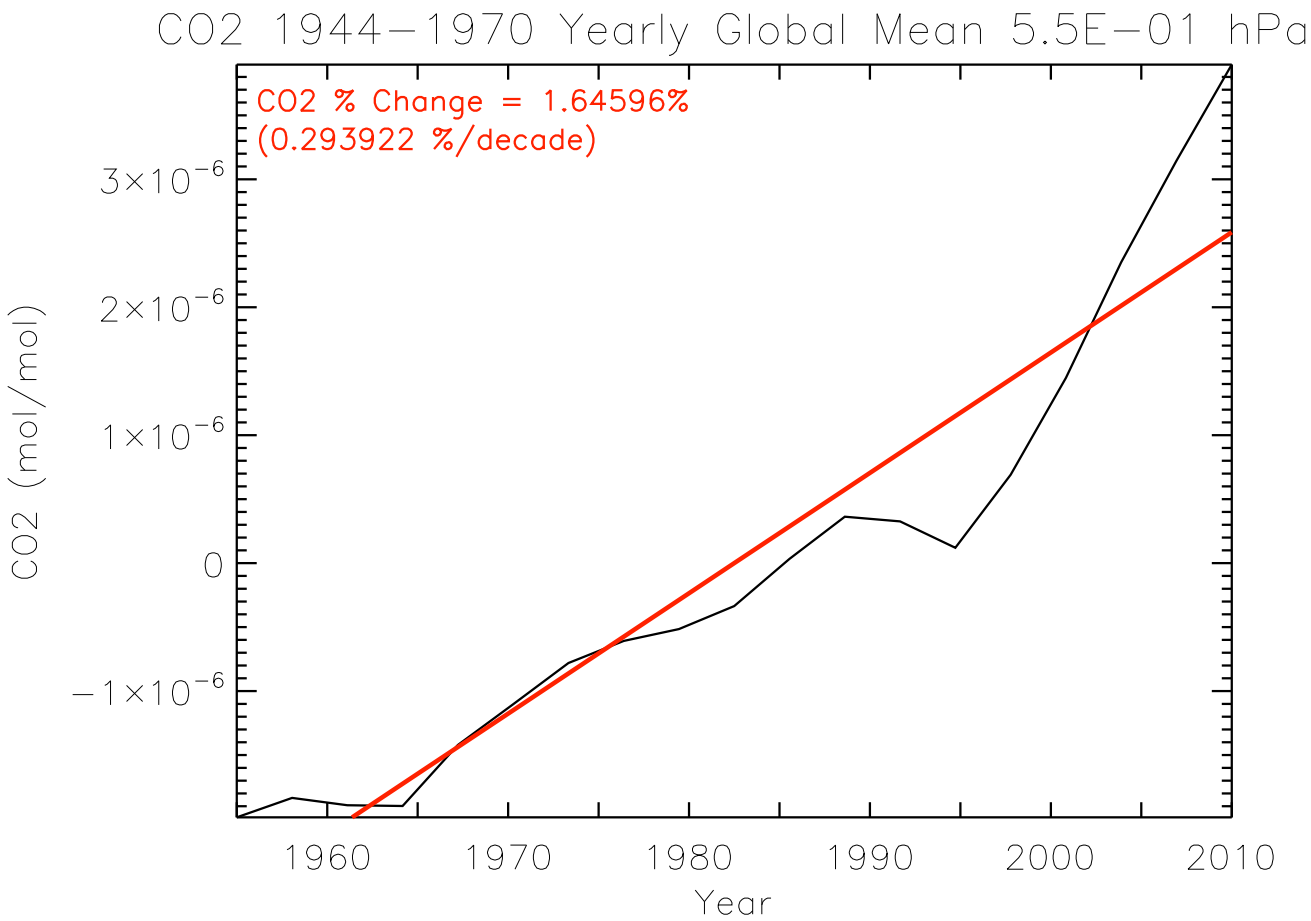

T 1944–1970 Yearly Global Mean 2.9E–01 hPa
T (K)
0.2
0.0
−0.2
−0.4
T Change = −0.294105 K
(−0.0525187 K/decade)
1960
1970
1980
1990
2000
2010
Year

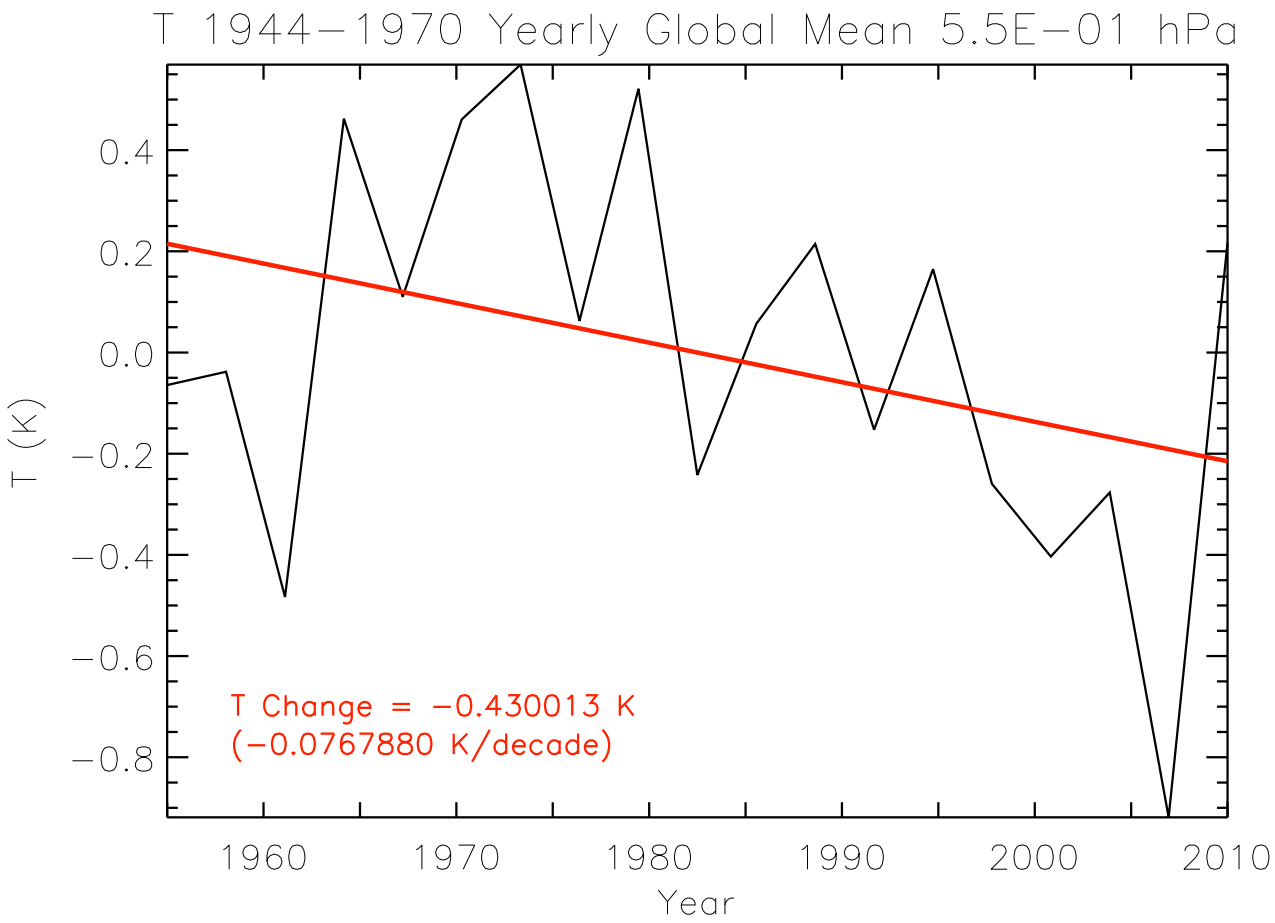

NO 1944–1970 Yearly Global Mean Residuals 2.9E–01 hPa
2×10⁻¹⁰
1×10⁻¹⁰
0
−1×10⁻¹⁰
−2×10⁻¹⁰
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

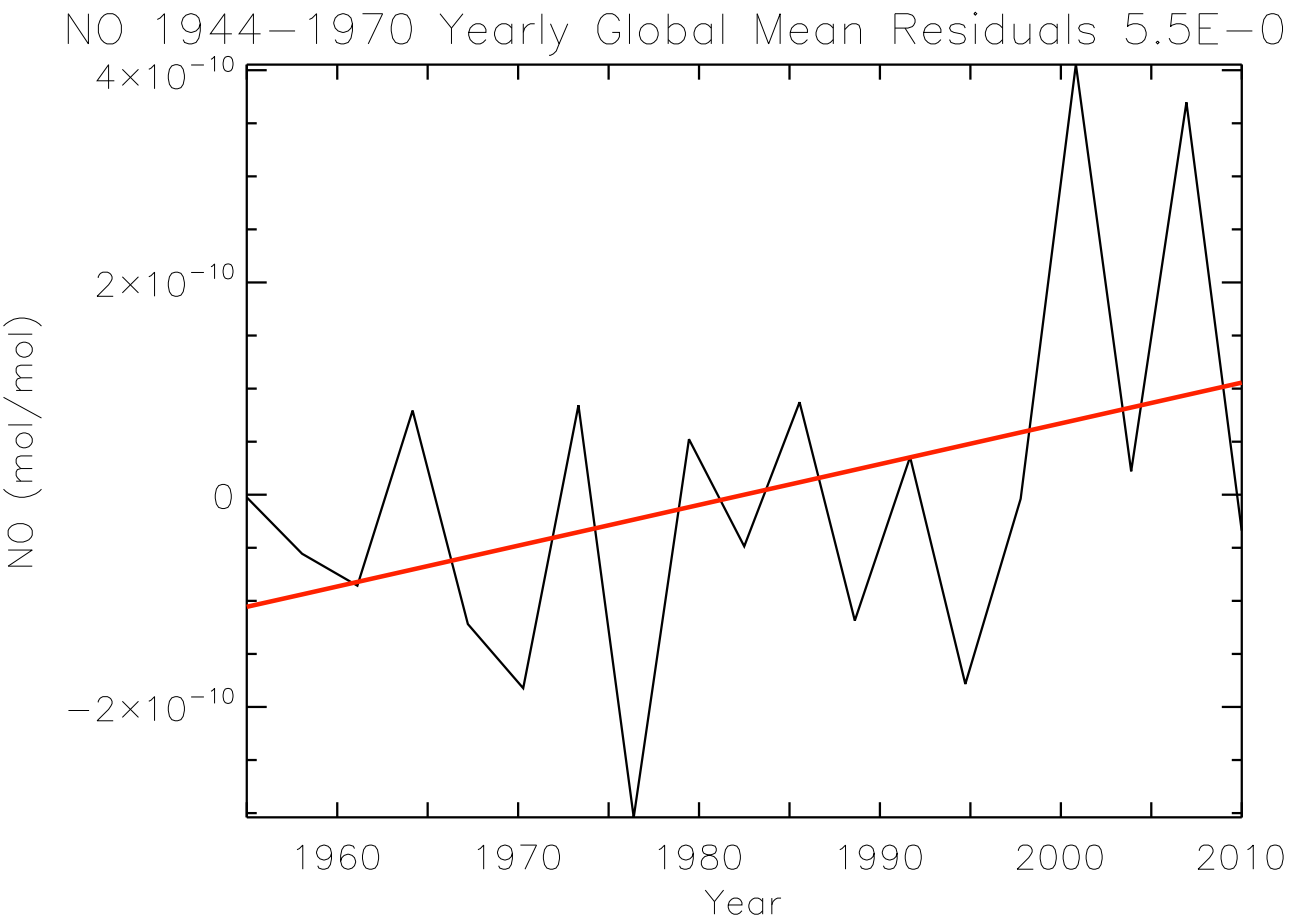

CO2 1944–1970 Yearly Global Mean 4.1E–01 hPa
CO2 % Change = 1.62823%
(0.290755 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

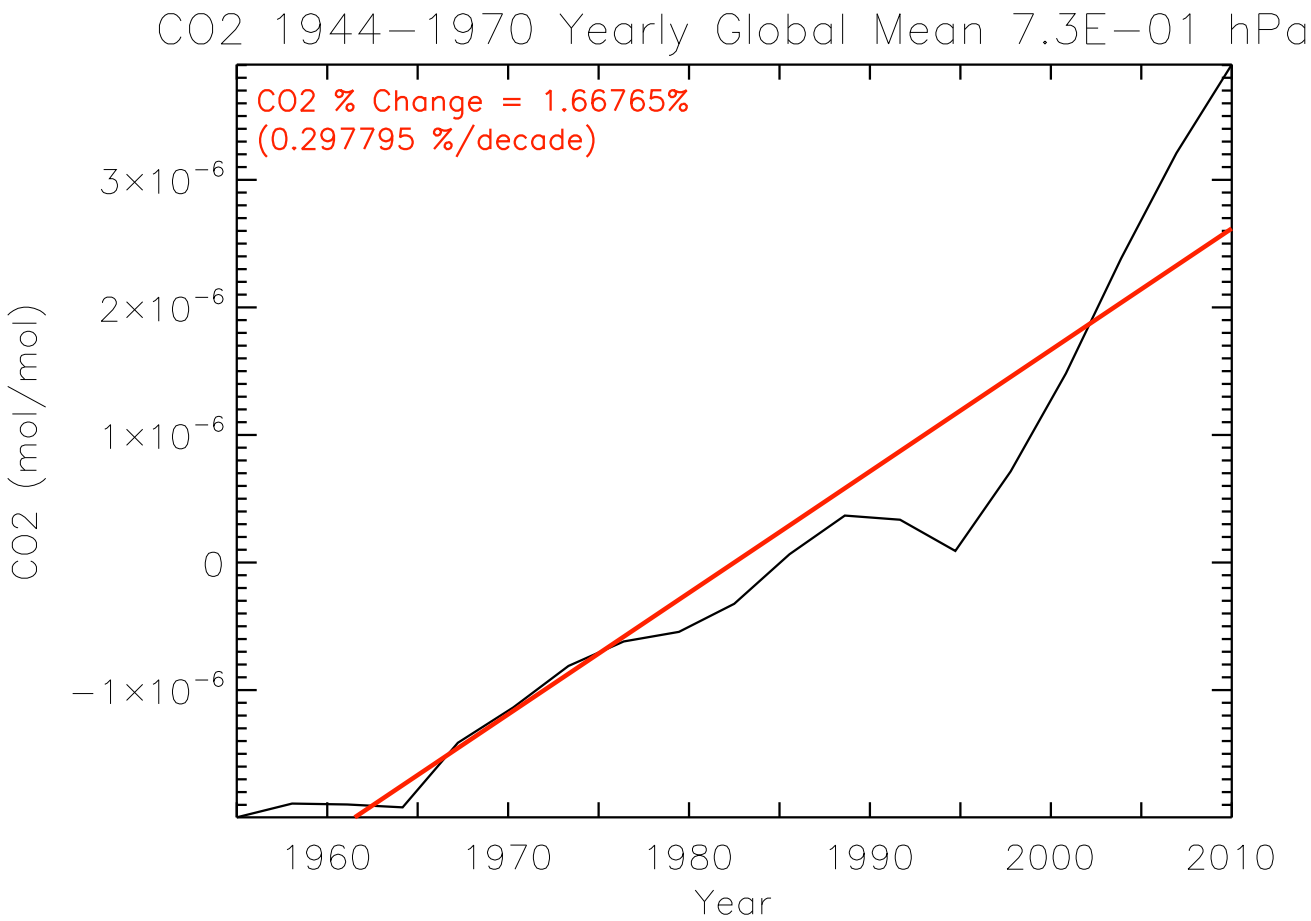

T 1944–1970 Yearly Global Mean 4.1E–01 hPa
T (K)
0.6
0.4
0.2
0.0
–0.2
–0.4
T Change = –0.388922 K
(–0.0694503 K/decade)
1960
1970
1980
1990
2000
2010
Year

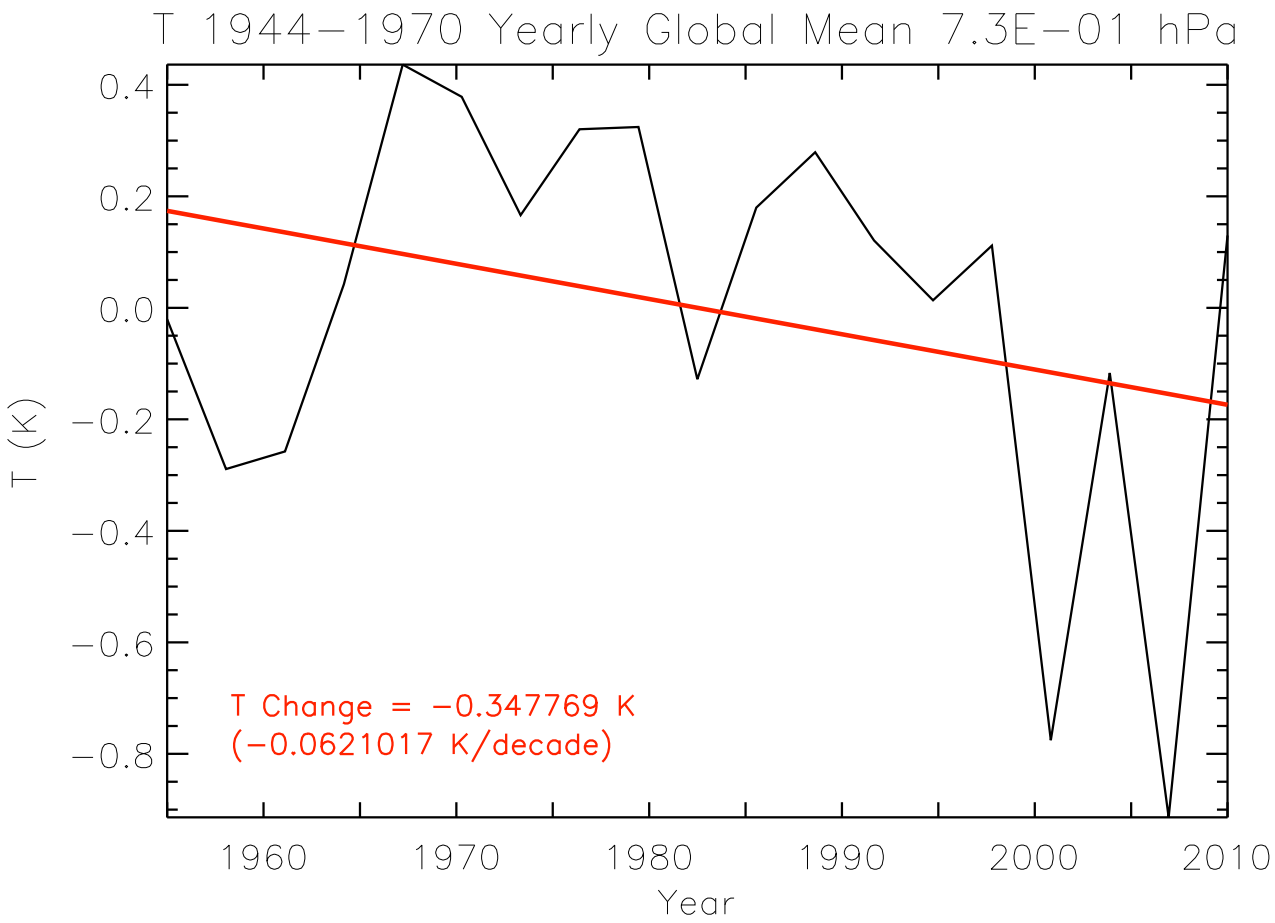

NO 1944–1970 Yearly Global Mean Residuals 4.1E–01 hPa
2×10⁻¹⁰
1×10⁻¹⁰
0
−1×10⁻¹⁰
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

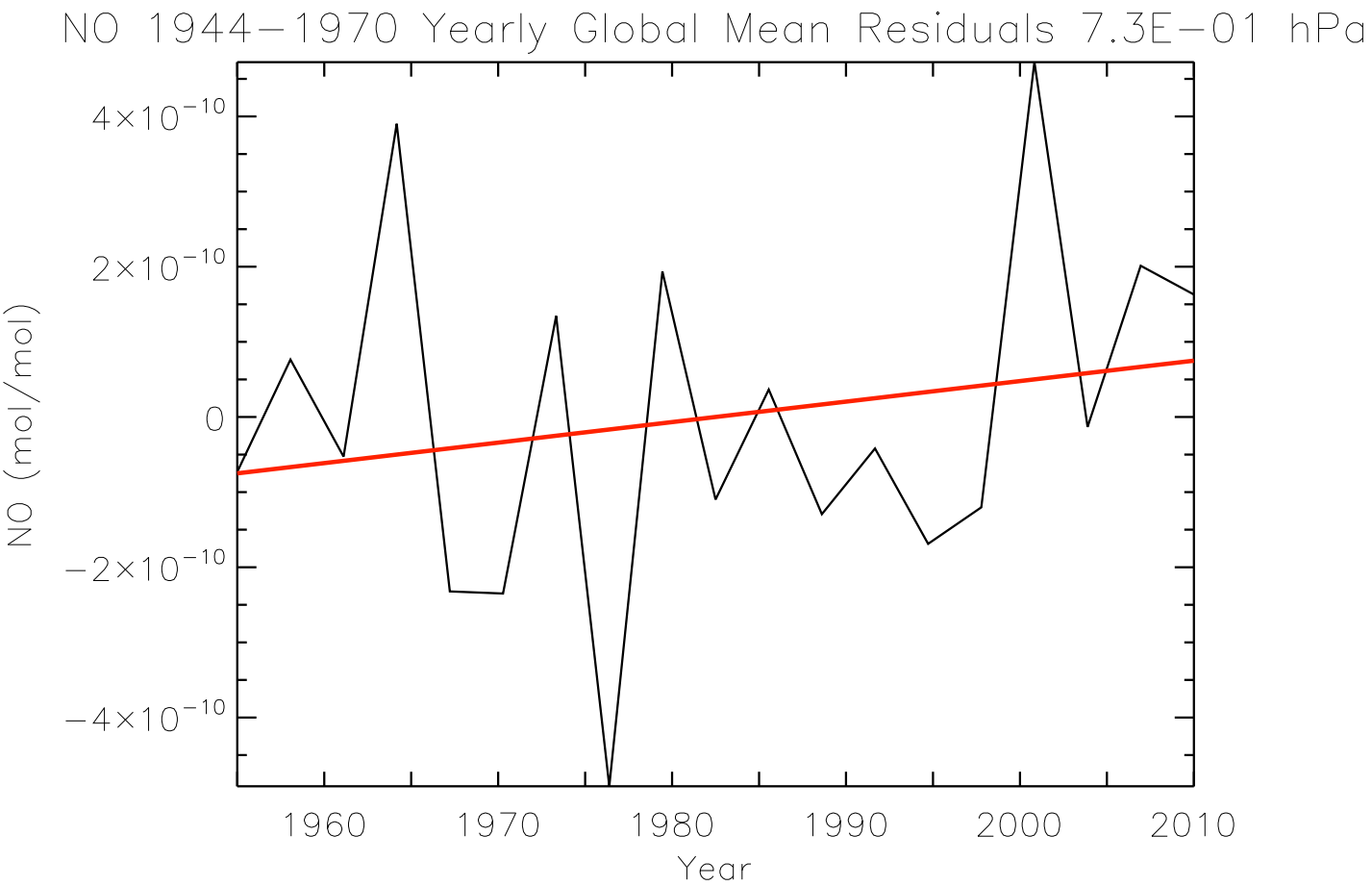

CO2 1944–1970 Yearly Global Mean 5.5E–01 hPa
CO2 % Change = 1.64596%
(0.293922 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

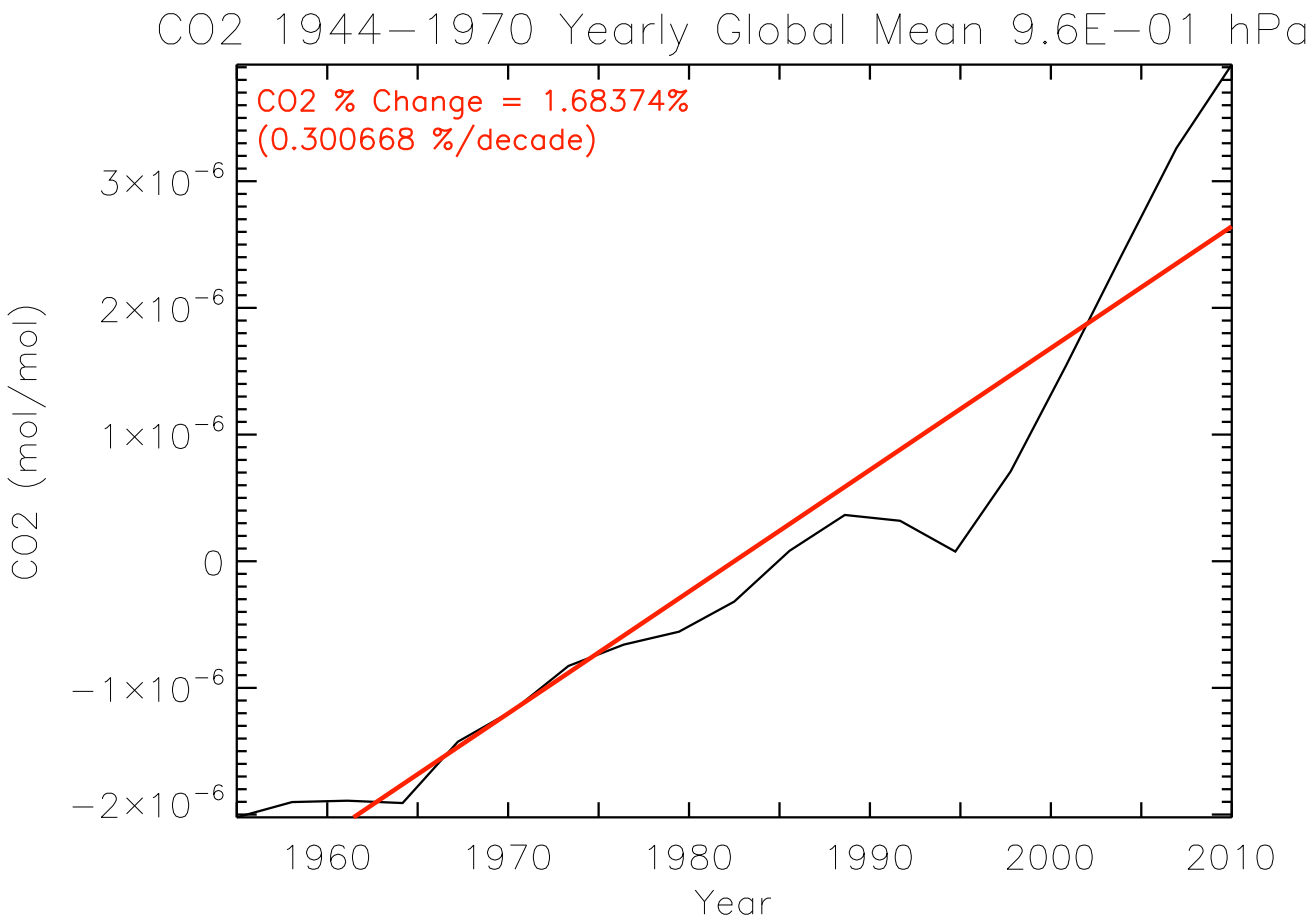

T 1944–1970 Yearly Global Mean 5.5E–01 hPa
0.4
0.2
0.0
–0.2
–0.4
–0.6
–0.8
T (K)
T Change = –0.430013 K
(–0.0767880 K/decade)
1960
1970
1980
1990
2000
2010
Year

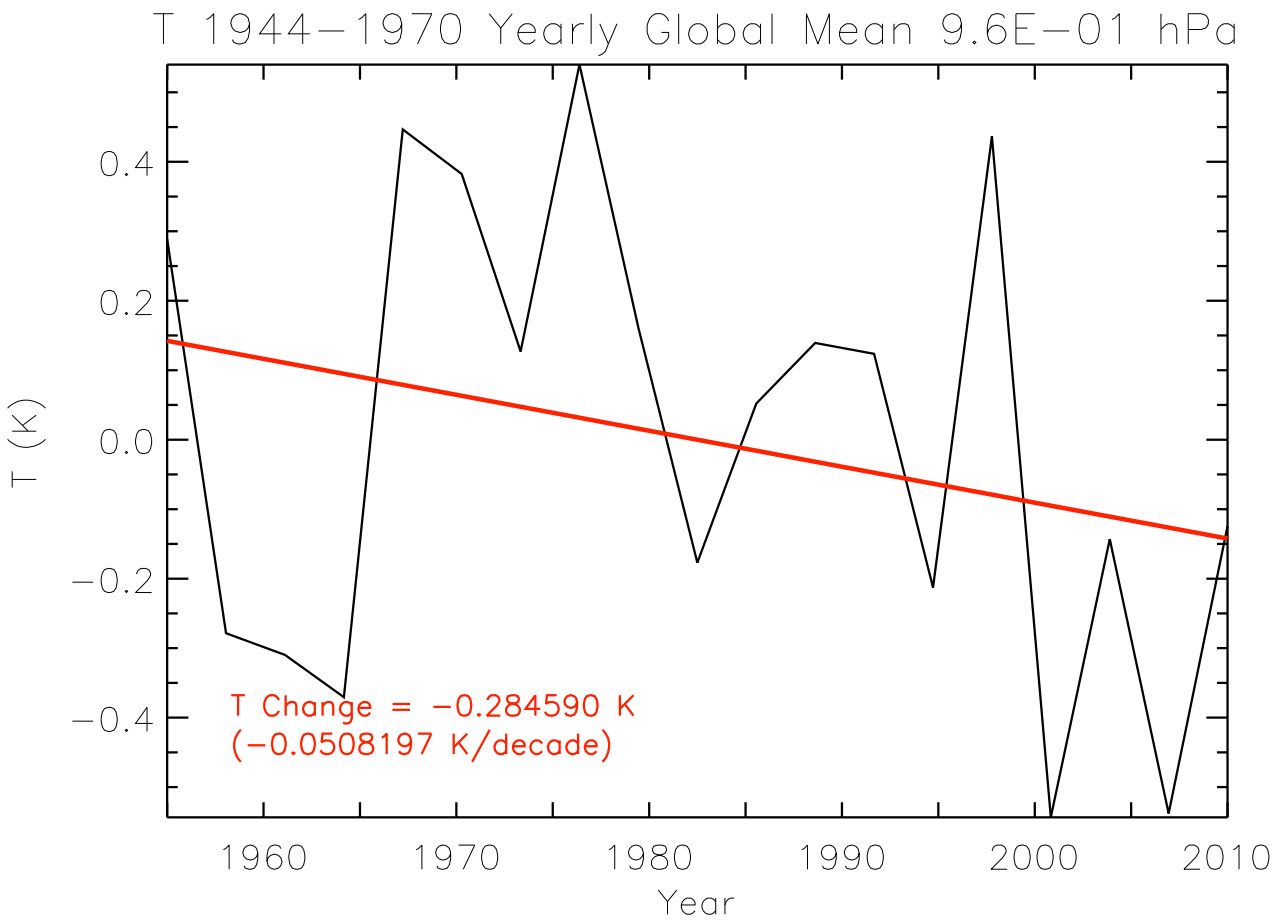

NO 1944–1970 Yearly Global Mean Residuals 5.5E–01 hPa
4×10⁻¹⁰
2×10⁻¹⁰
0
−2×10⁻¹⁰
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

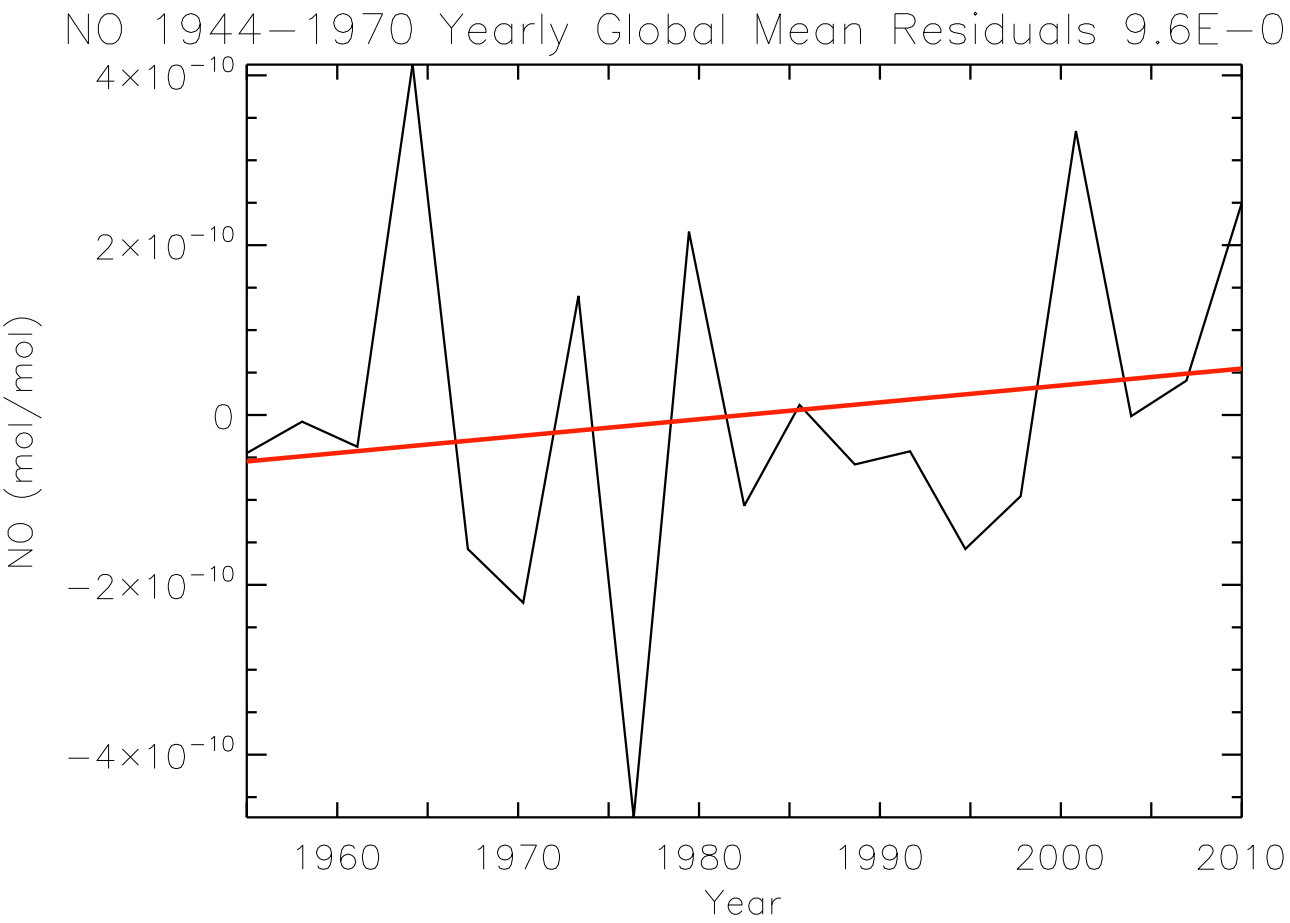

CO2 1944–1970 Yearly Global Mean 7.3E–01 hPa
CO2 % Change = 1.66765%
(0.297795 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

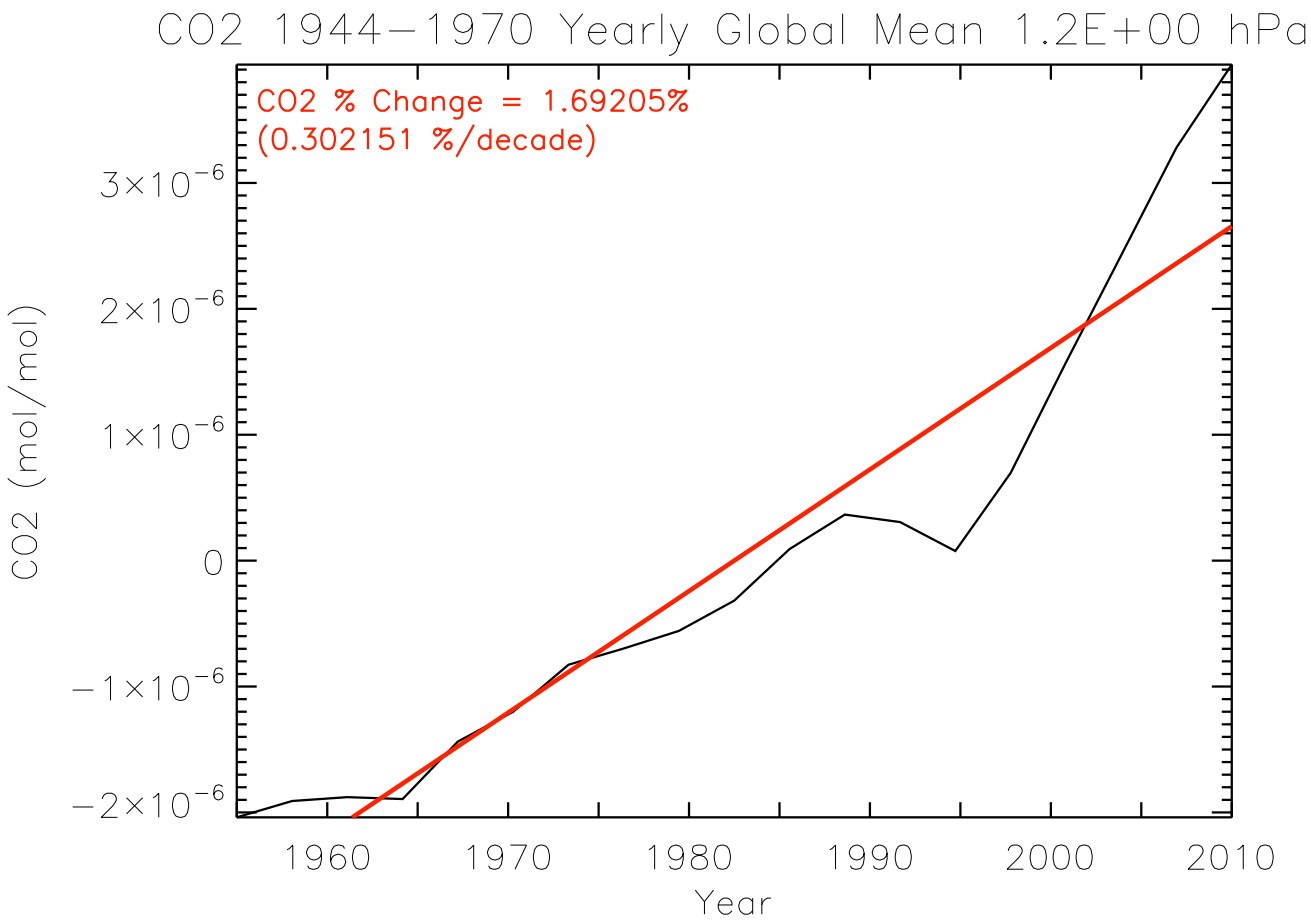

T 1944–1970 Yearly Global Mean 7.3E–01 hPa
0.4
0.2
0.0
–0.2
–0.4
–0.6
–0.8
T (K)
T Change = –0.347769 K
(–0.0621017 K/decade)
1960
1970
1980
1990
2000
2010
Year

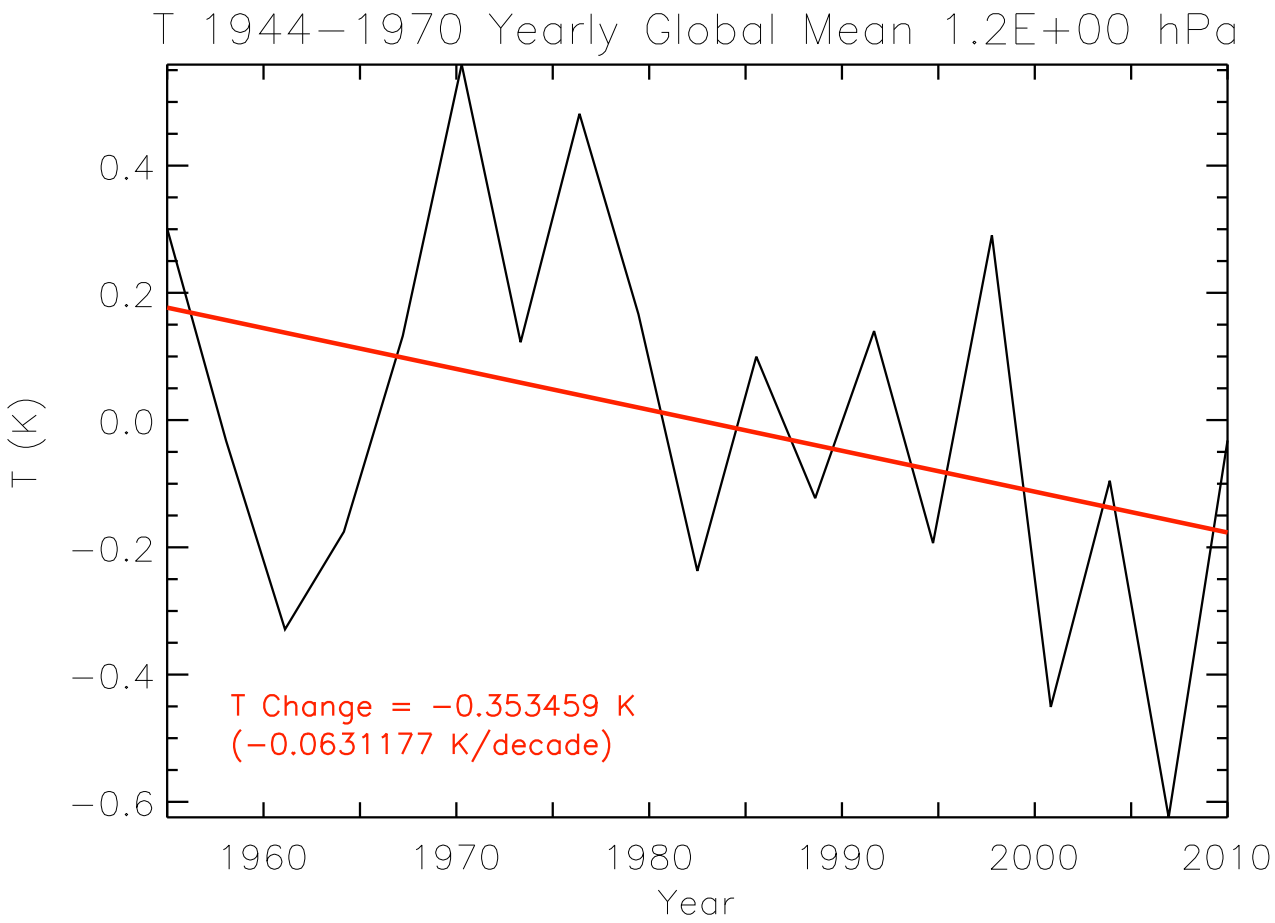

NO 1944–1970 Yearly Global Mean Residuals 7.3E–01 hPa
4×10⁻¹⁰
2×10⁻¹⁰
0
−2×10⁻¹⁰
−4×10⁻¹⁰
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

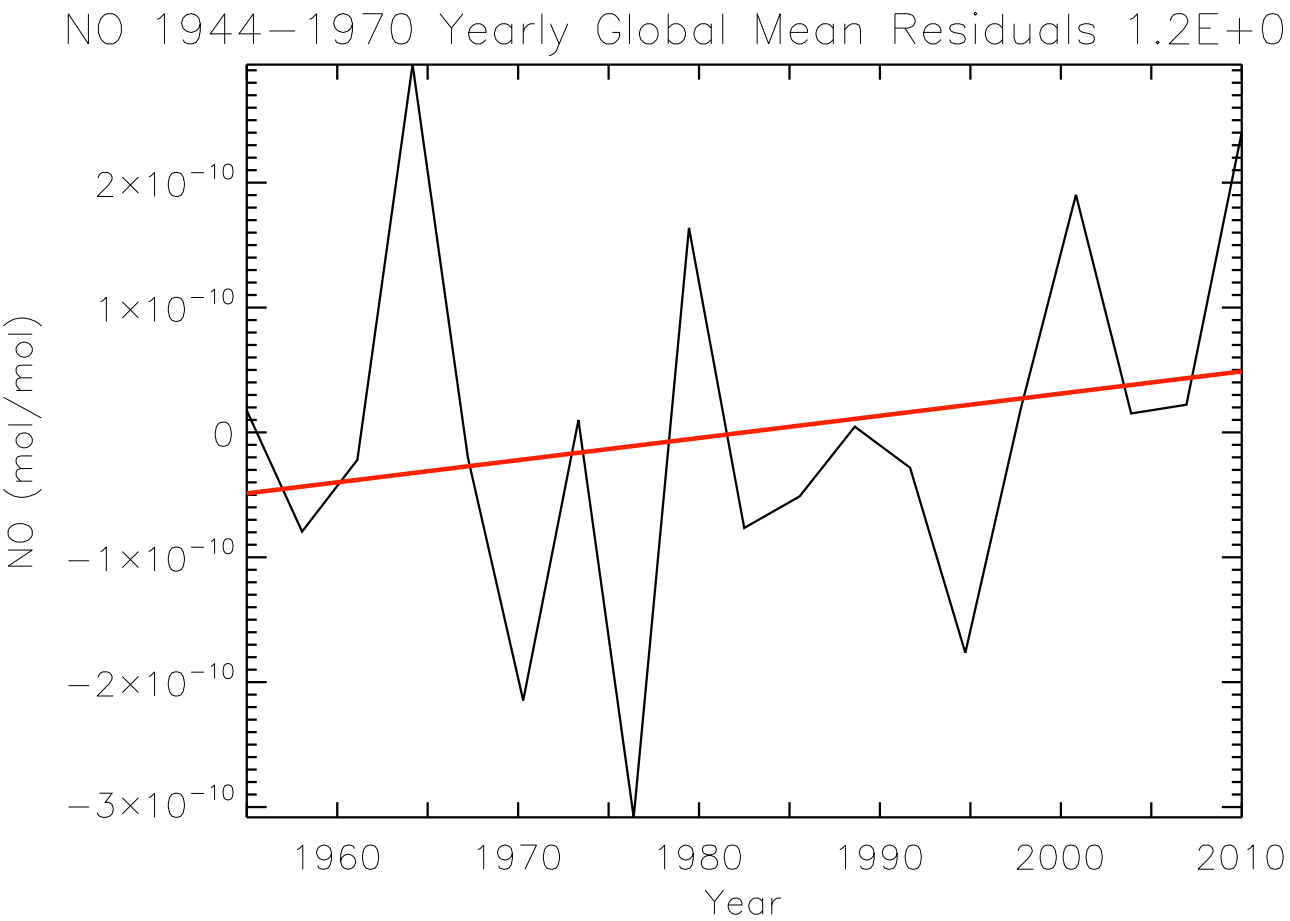

CO2 1944–1970 Yearly Global Mean 9.6E–01 hPa
CO2 % Change = 1.68374%
(0.300668 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

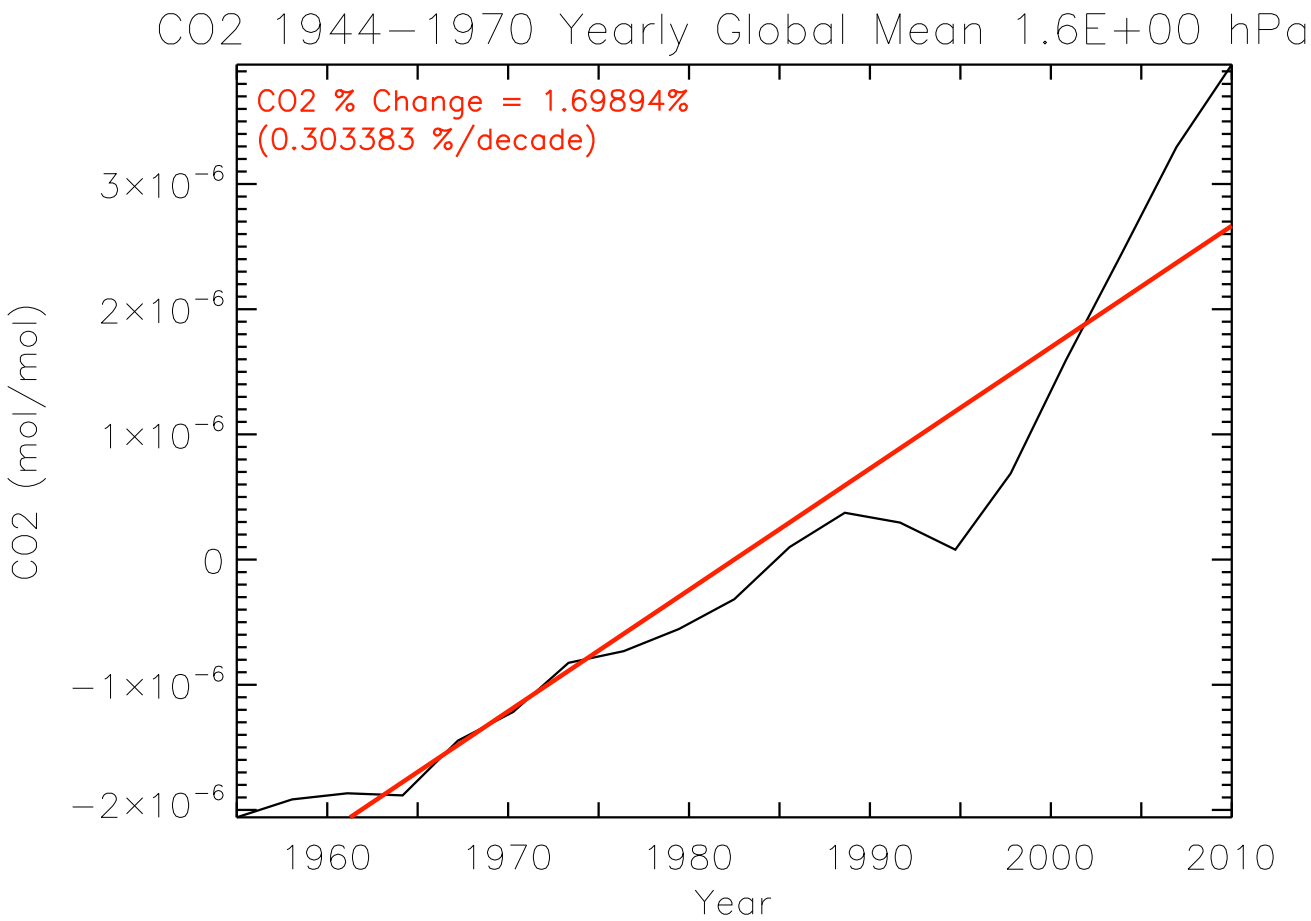

T 1944–1970 Yearly Global Mean 9.6E–01 hPa
0.4
0.2
0.0
−0.2
−0.4
T (K)
T Change = −0.284590 K
(−0.0508197 K/decade)
1960
1970
1980
1990
2000
2010
Year

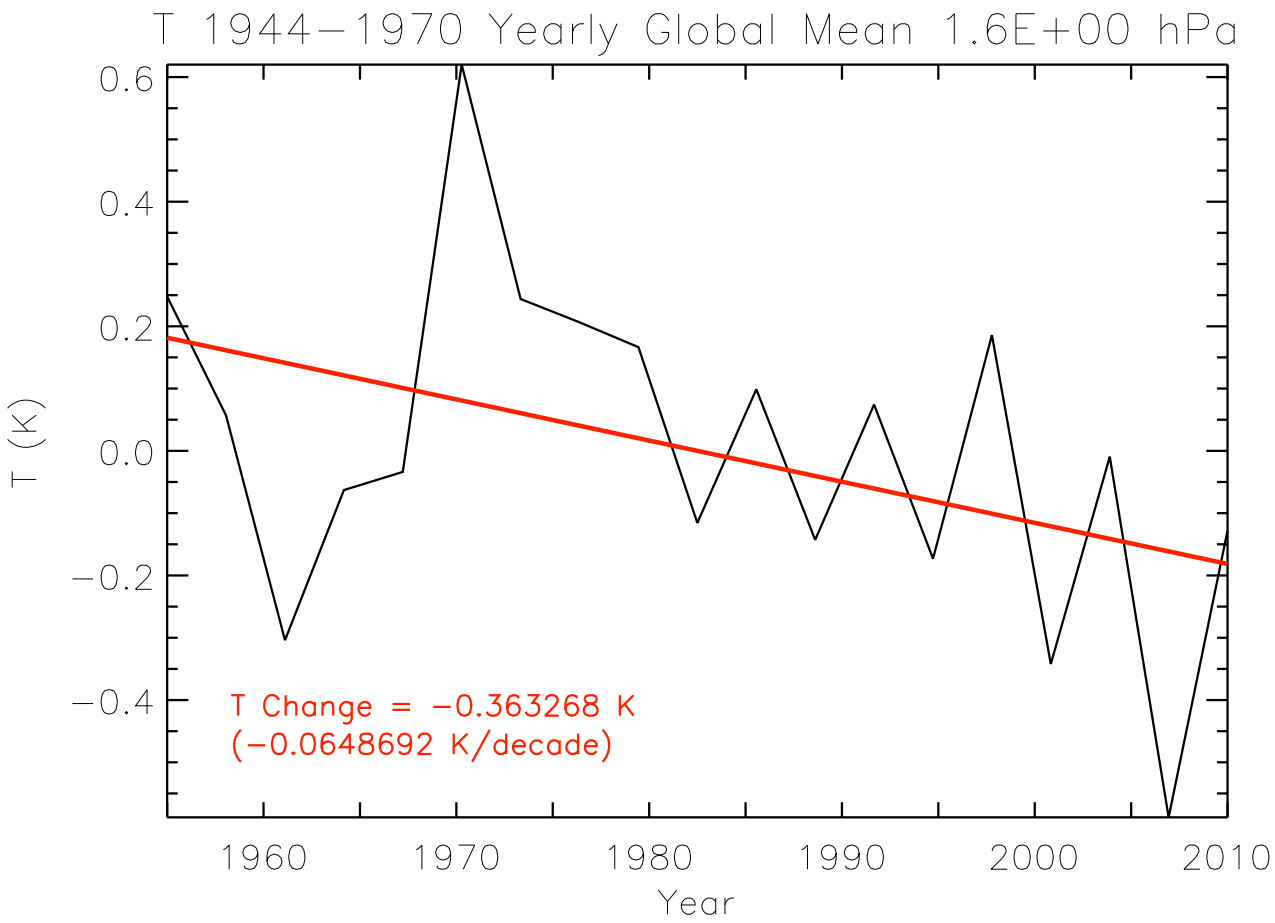

NO 1944–1970 Yearly Global Mean Residuals 9.6E–01 hPa
4×10⁻¹⁰
2×10⁻¹⁰
0
−2×10⁻¹⁰
−4×10⁻¹⁰
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

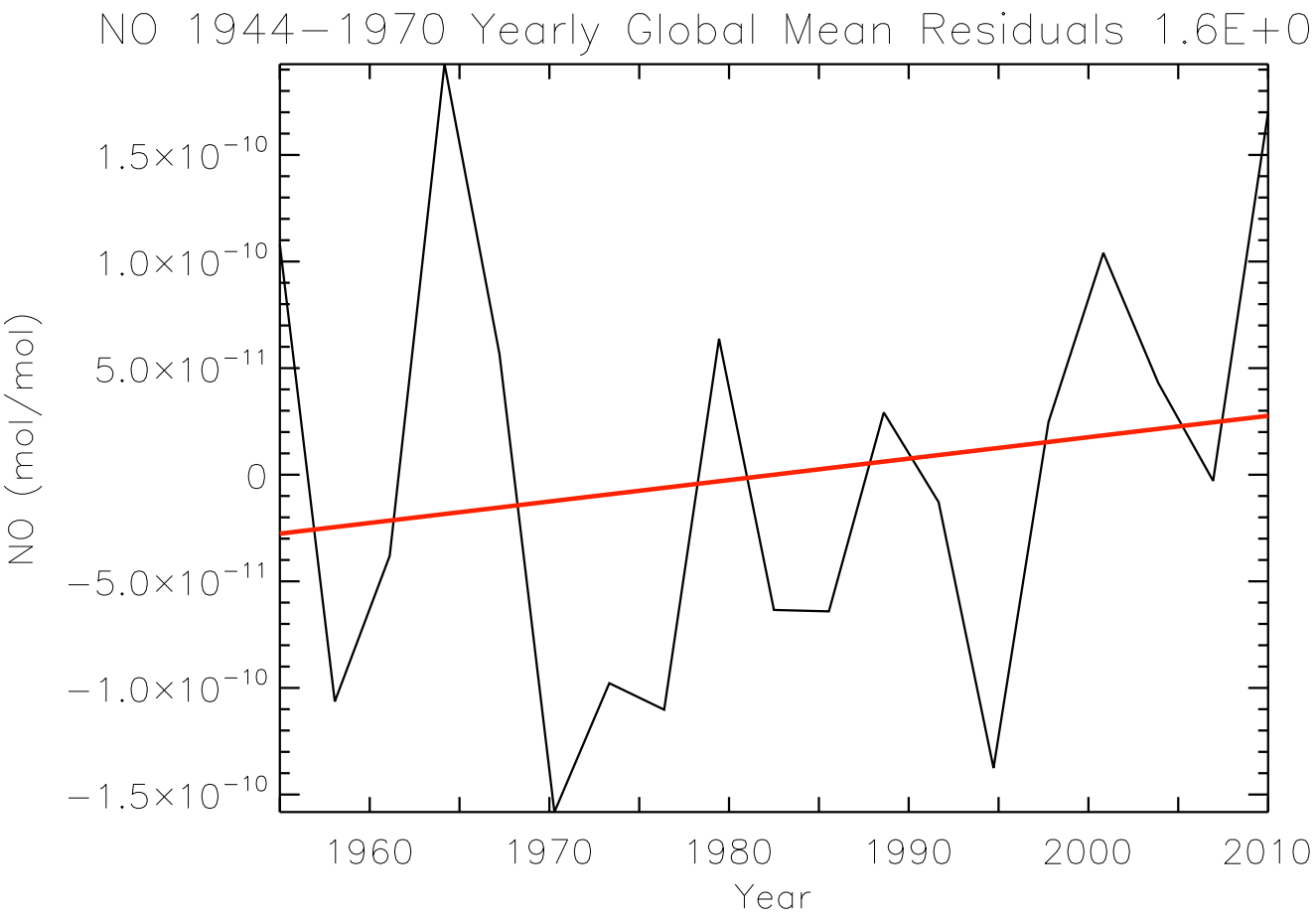

CO2 1944–1970 Yearly Global Mean 1.2E+00 hPa
CO2 % Change = 1.69205%
(0.302151 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

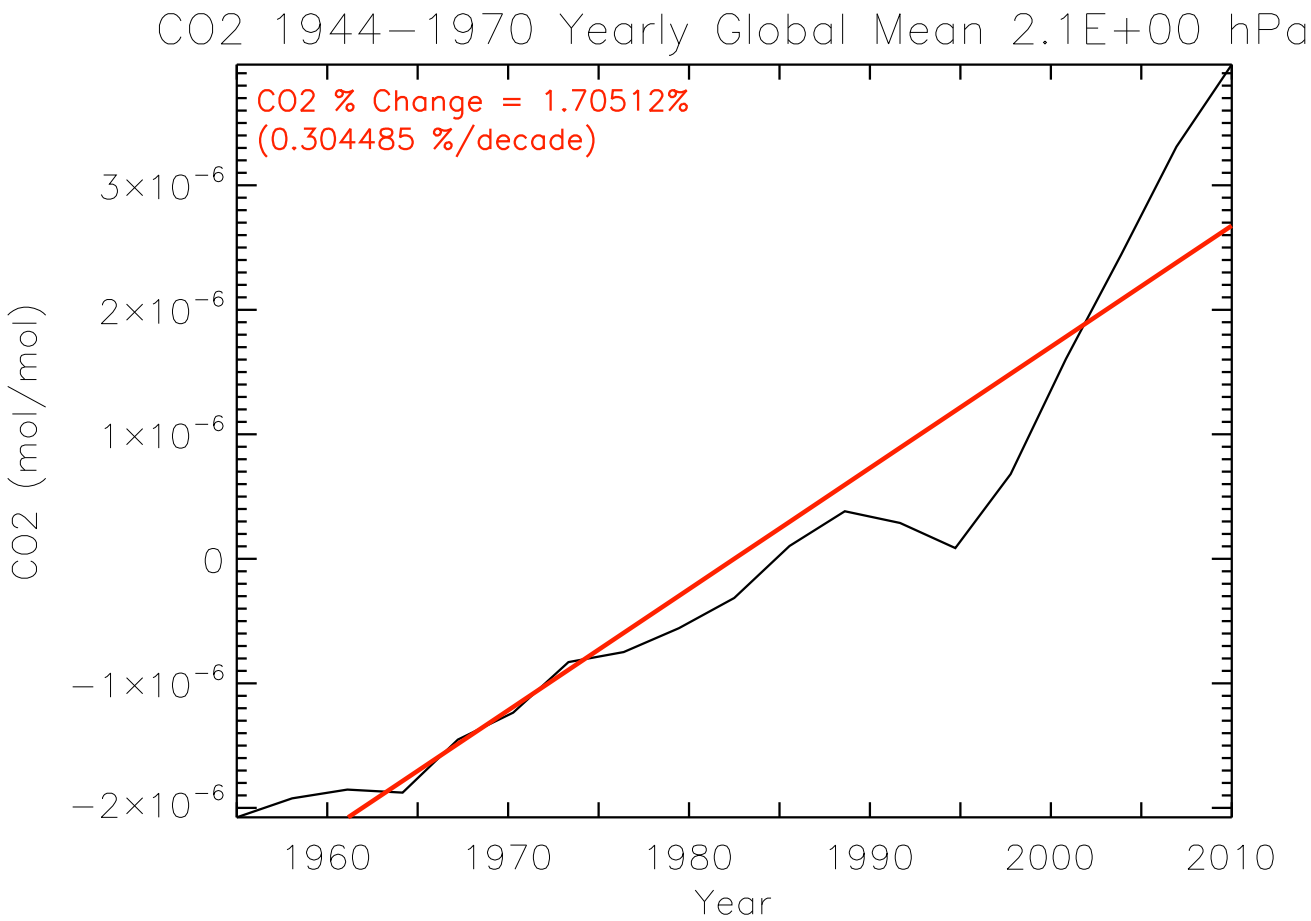

T 1944–1970 Yearly Global Mean 1.2E+00 hPa
0.4
0.2
0.0
−0.2
−0.4
−0.6
T (K)
T Change = −0.353459 K
(−0.0631177 K/decade)
1960
1970
1980
1990
2000
2010
Year

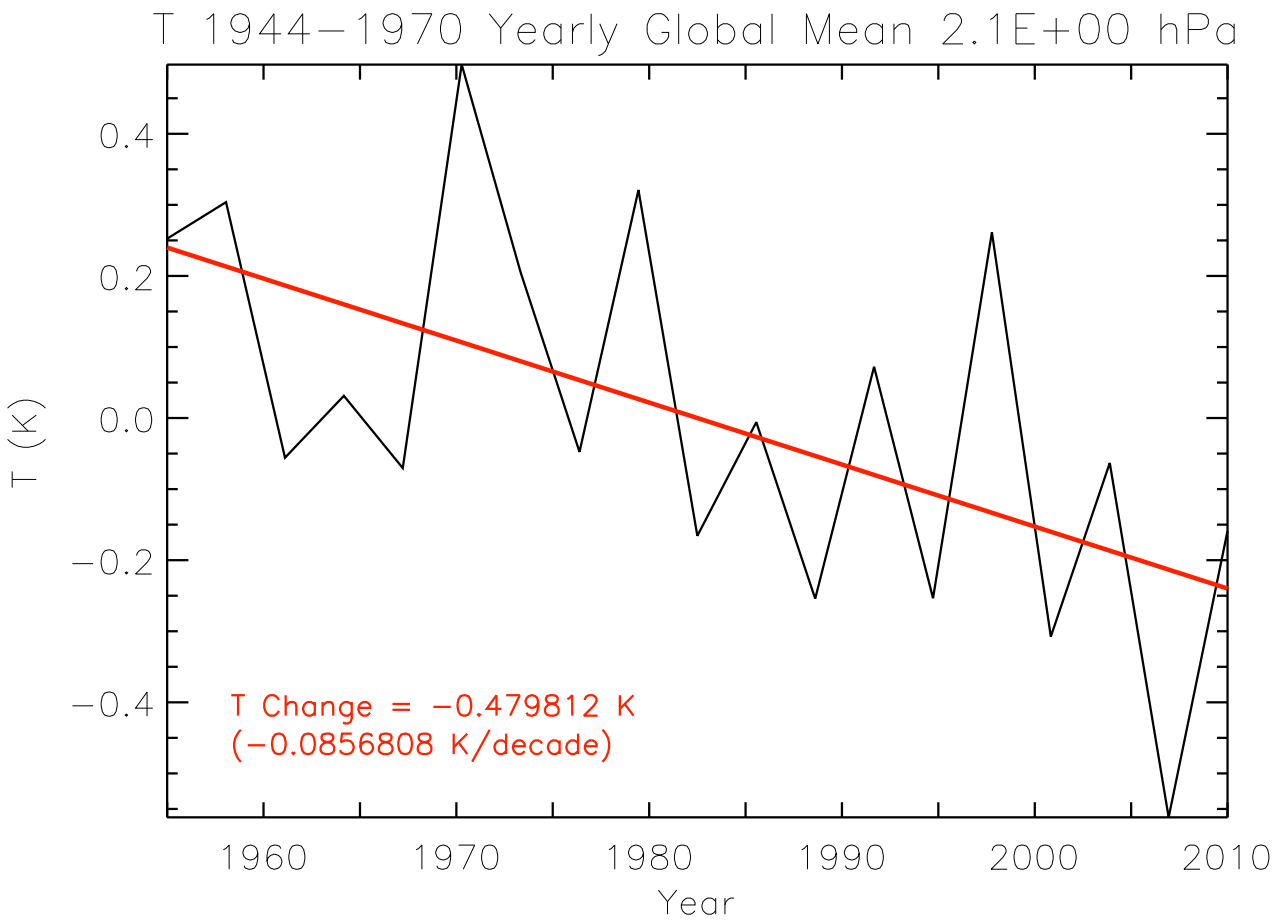

NO 1944–1970 Yearly Global Mean Residuals 1.2E+00 hPa
NO (mol/mol)
2×10⁻¹⁰
1×10⁻¹⁰
0
−1×10⁻¹⁰
−2×10⁻¹⁰
−3×10⁻¹⁰
1960
1970
1980
1990
2000
2010
Year

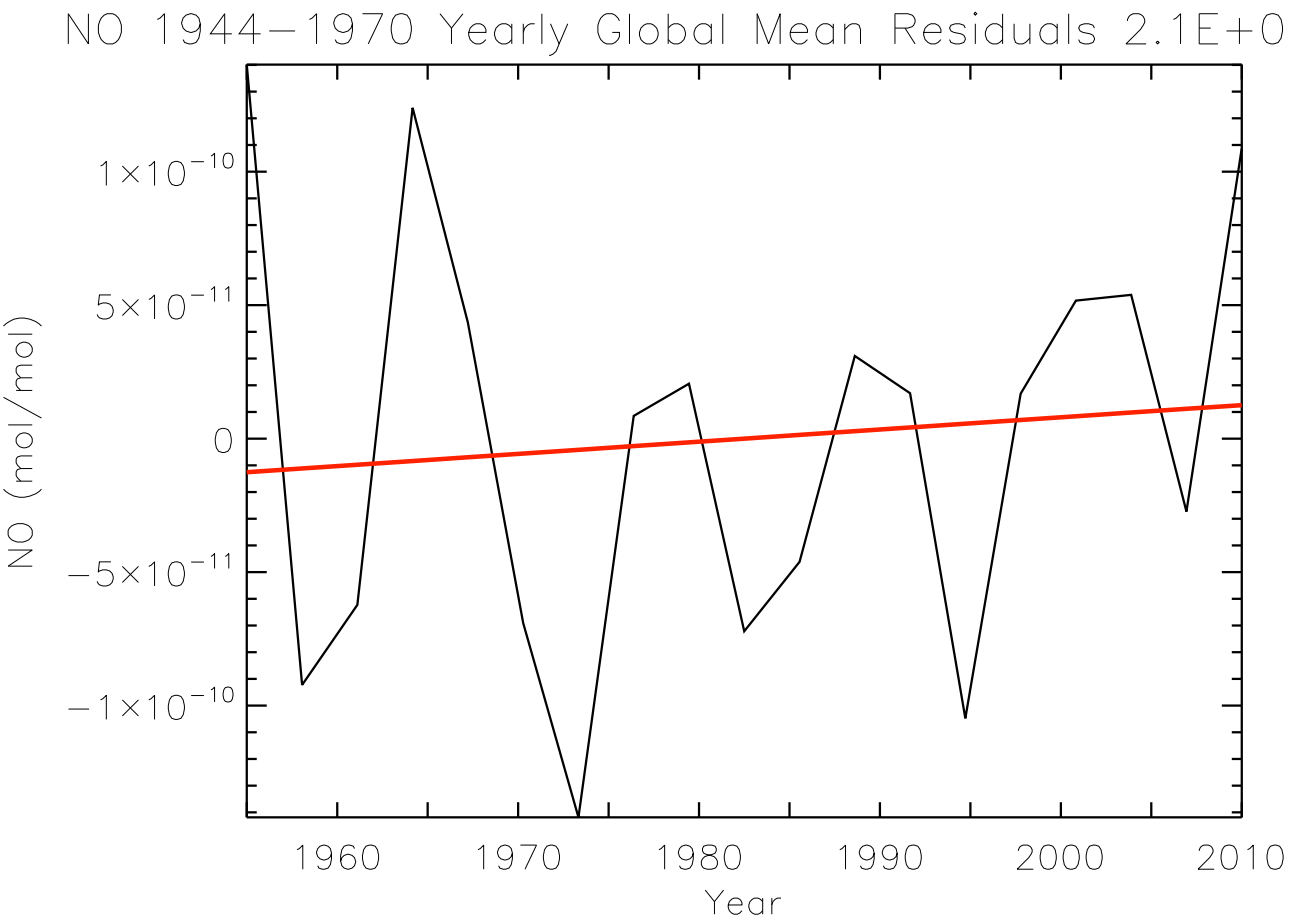

CO2 1944–1970 Yearly Global Mean 1.6E+00 hPa
CO2 % Change = 1.69894%
(0.303383 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

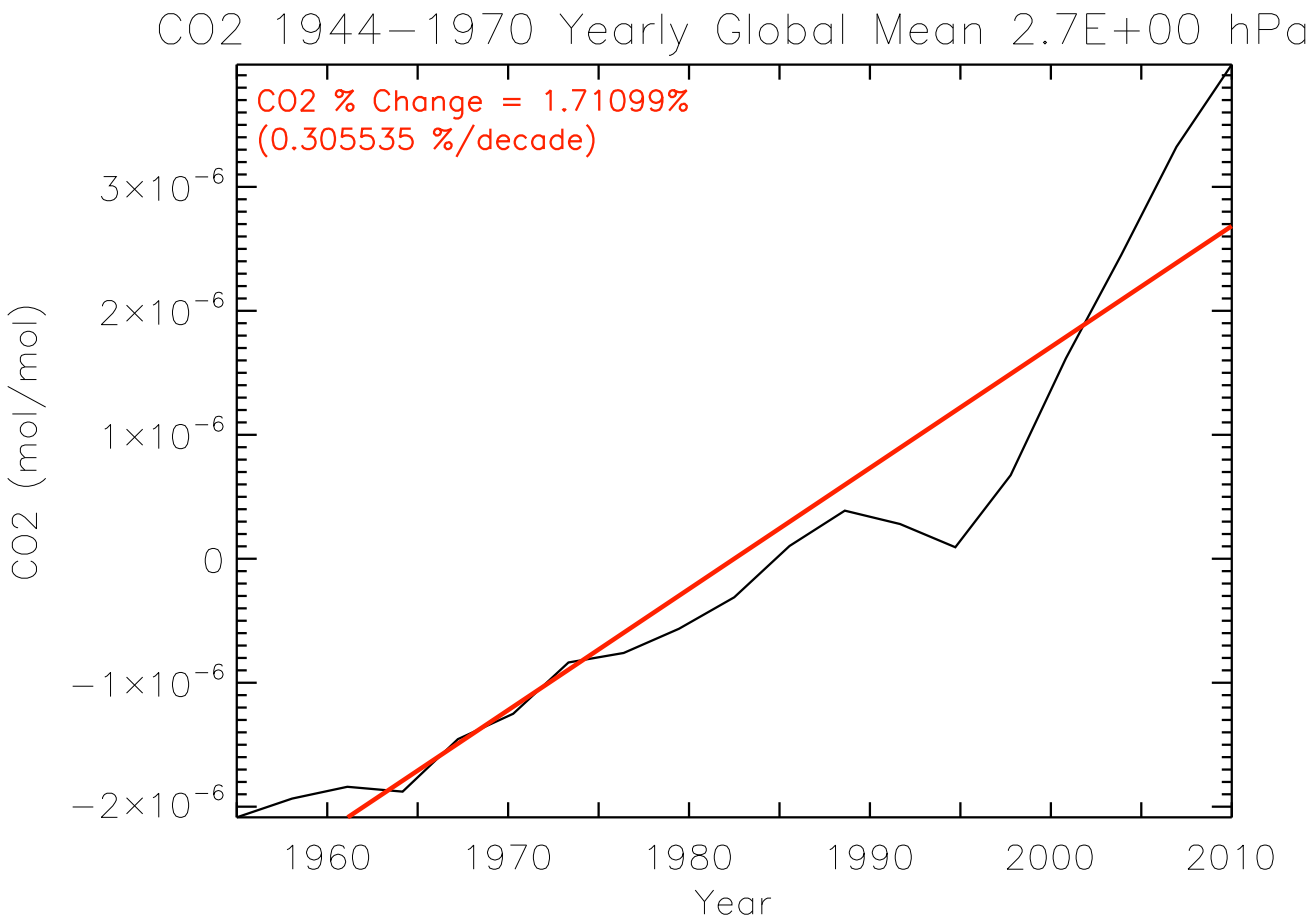

T 1944–1970 Yearly Global Mean 1.6E+00 hPa
0.6
0.4
0.2
0.0
−0.2
−0.4
T (K)
T Change = −0.363268 K
(−0.0648692 K/decade)
1960
1970
1980
1990
2000
2010
Year

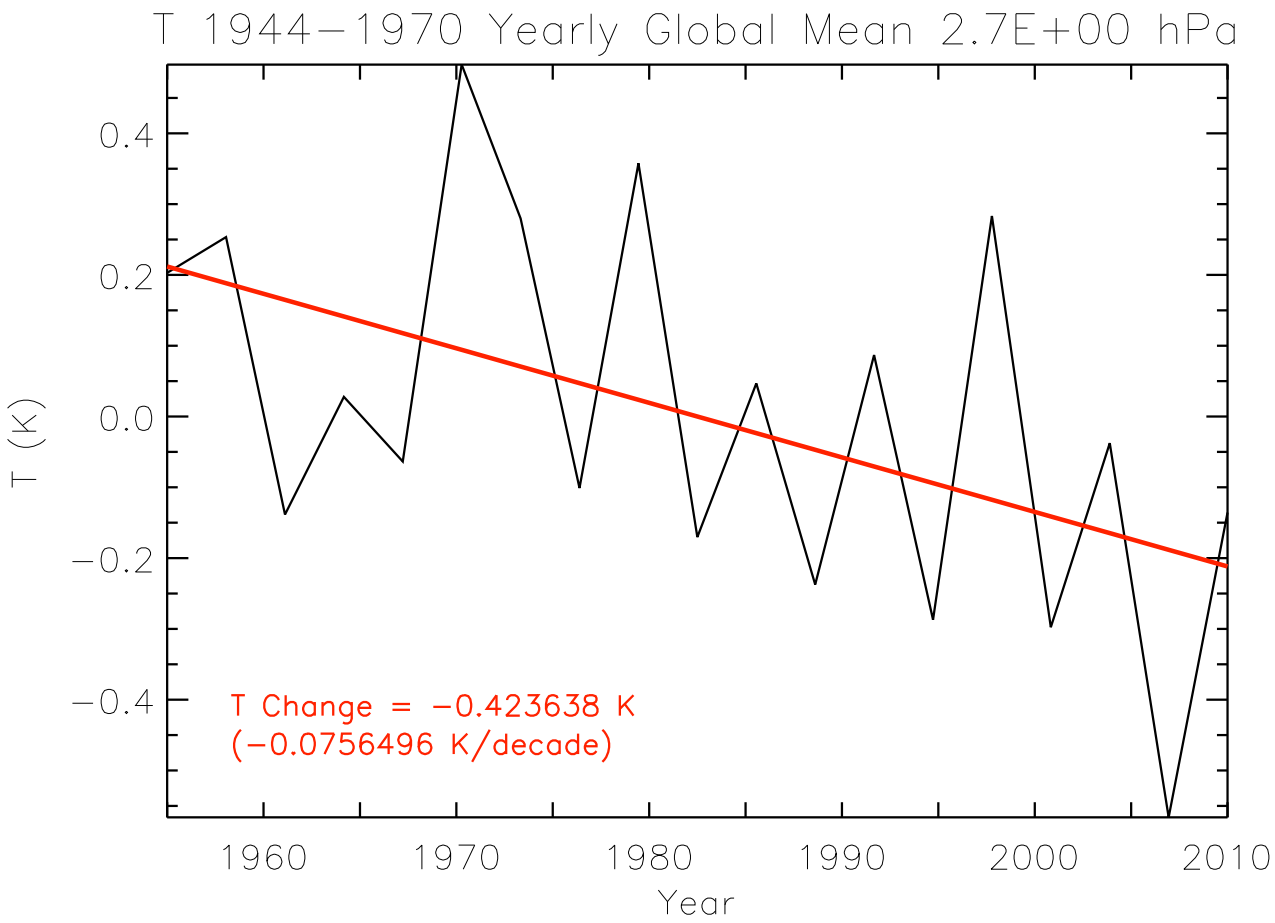

NO 1944–1970 Yearly Global Mean Residuals 1.6E+00 hPa
NO (mol/mol)
1.5×10⁻¹⁰
1.0×10⁻¹⁰
5.0×10⁻¹¹
0
−5.0×10⁻¹¹
−1.0×10⁻¹⁰
−1.5×10⁻¹⁰
1960
1970
1980
1990
2000
2010
Year

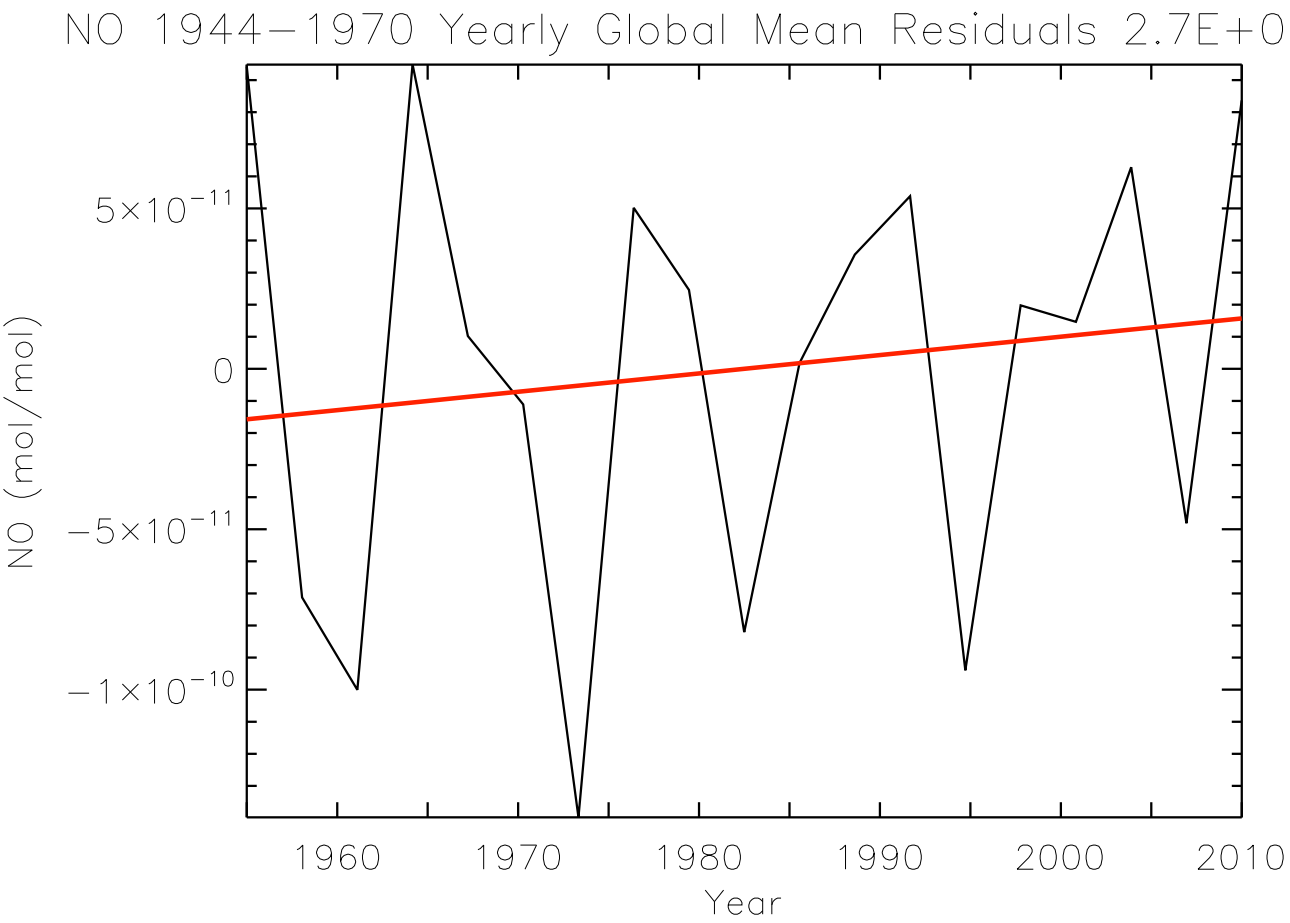

CO2 1944–1970 Yearly Global Mean 2.1E+00 hPa
CO2 % Change = 1.70512%
(0.304485 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

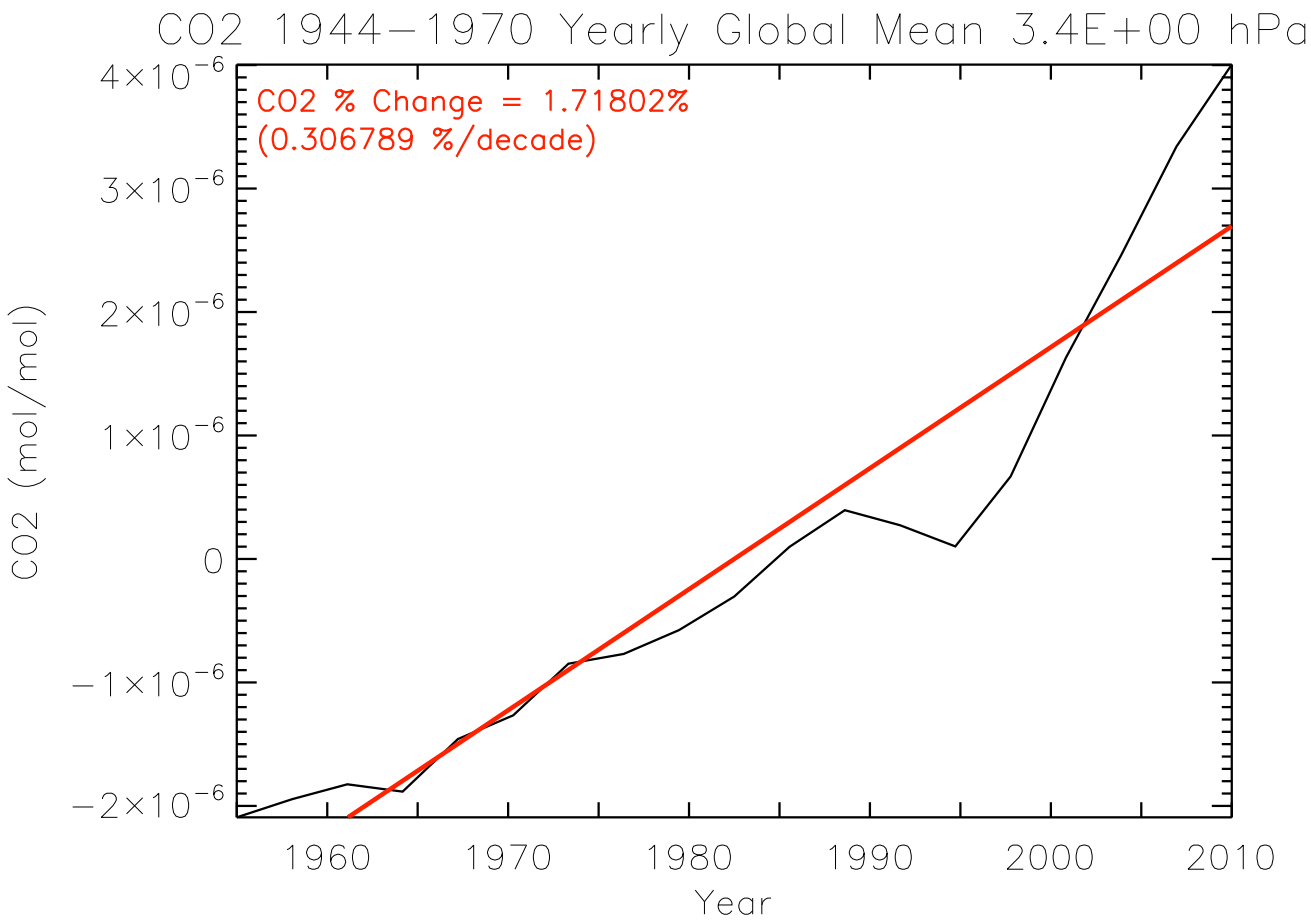

T 1944–1970 Yearly Global Mean 2.1E+00 hPa
0.4
0.2
0.0
−0.2
−0.4
T (K)
T Change = −0.479812 K
(−0.0856808 K/decade)
1960
1970
1980
1990
2000
2010
Year

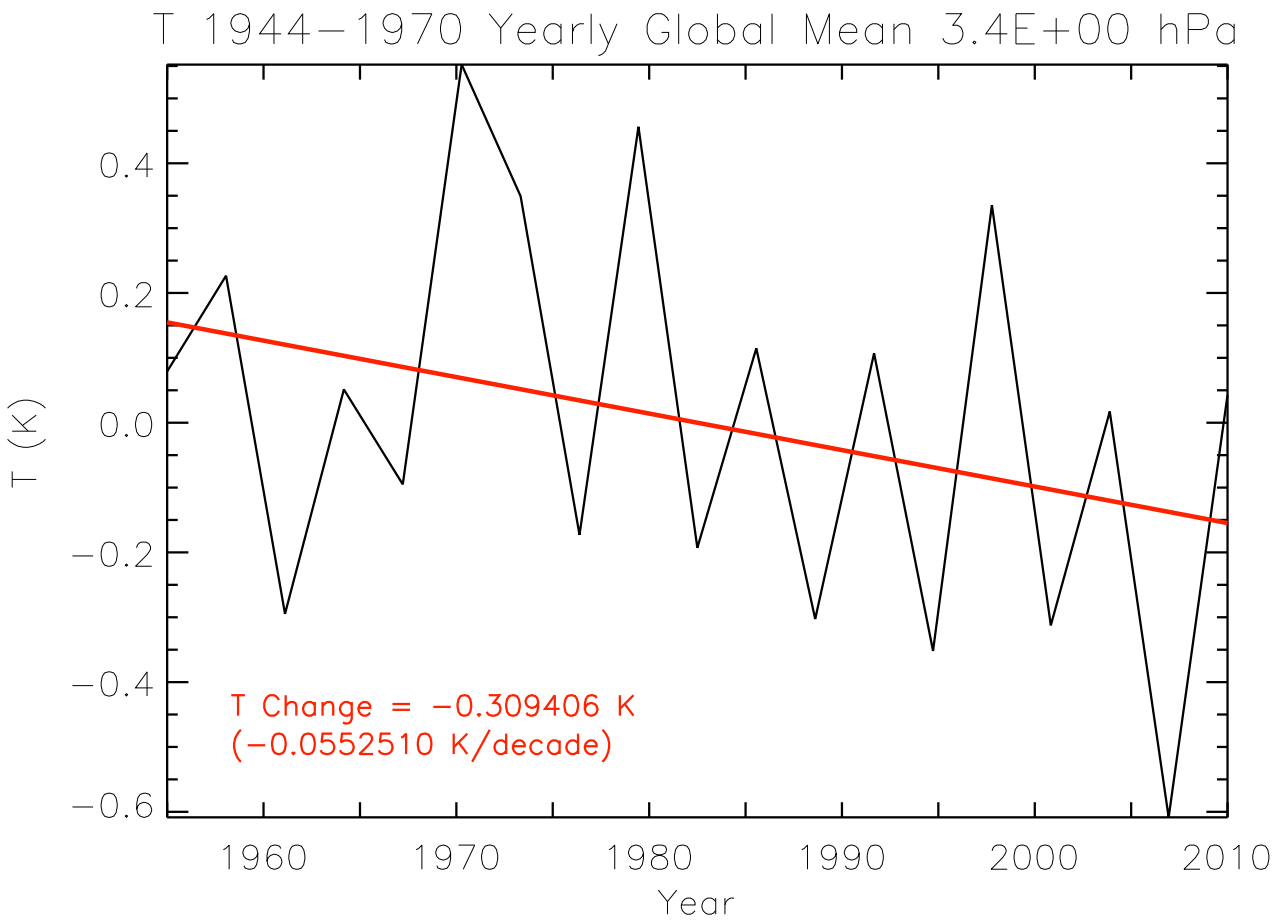

NO 1944–1970 Yearly Global Mean Residuals 2.1E+00 hPa
NO (mol/mol)
1×10⁻¹⁰
5×10⁻¹¹
0
−5×10⁻¹¹
−1×10⁻¹⁰
1960
1970
1980
1990
2000
2010
Year

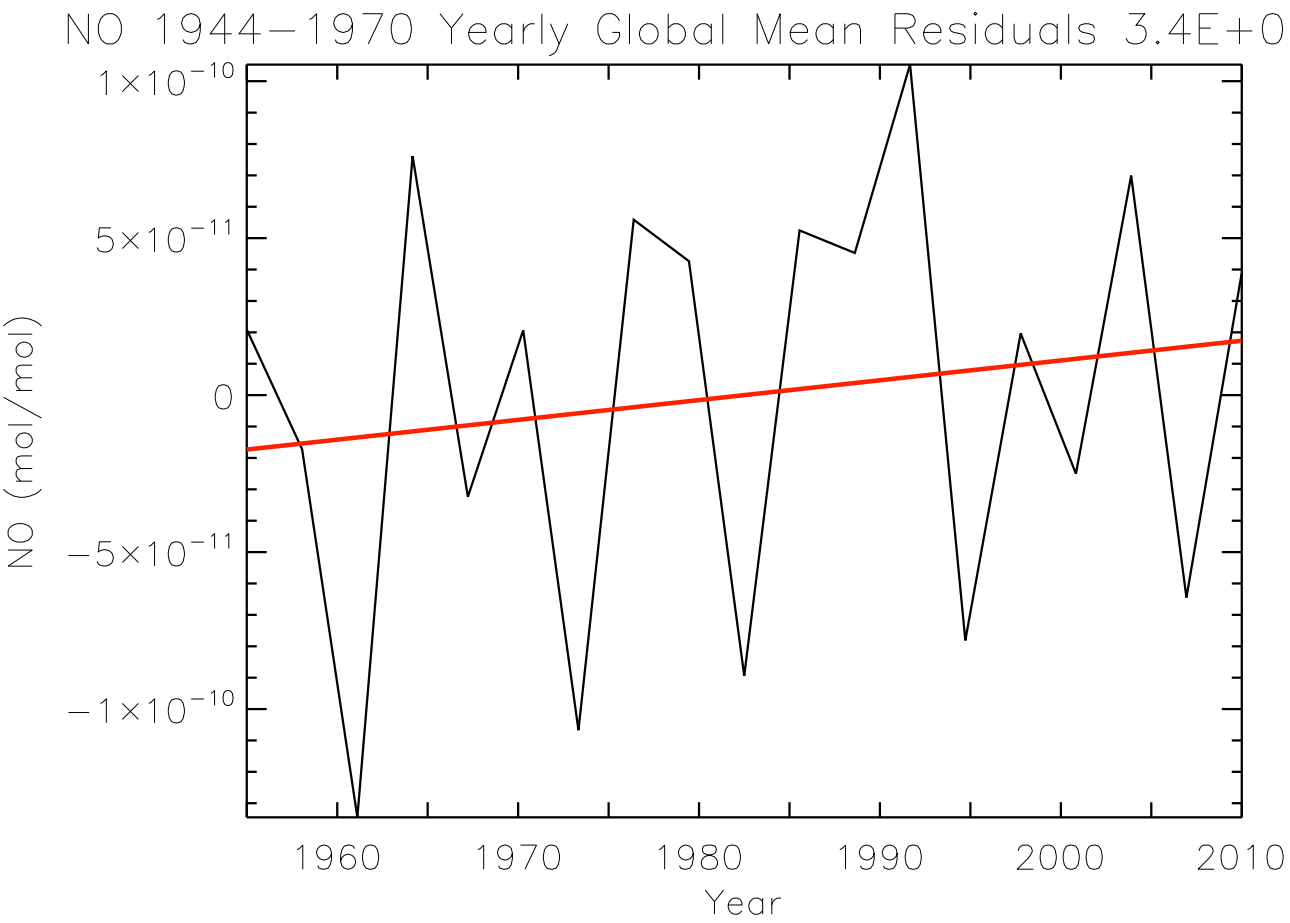

CO2 1944–1970 Yearly Global Mean 2.7E+00 hPa
CO2 % Change = 1.71099%
(0.305535 %/decade)
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

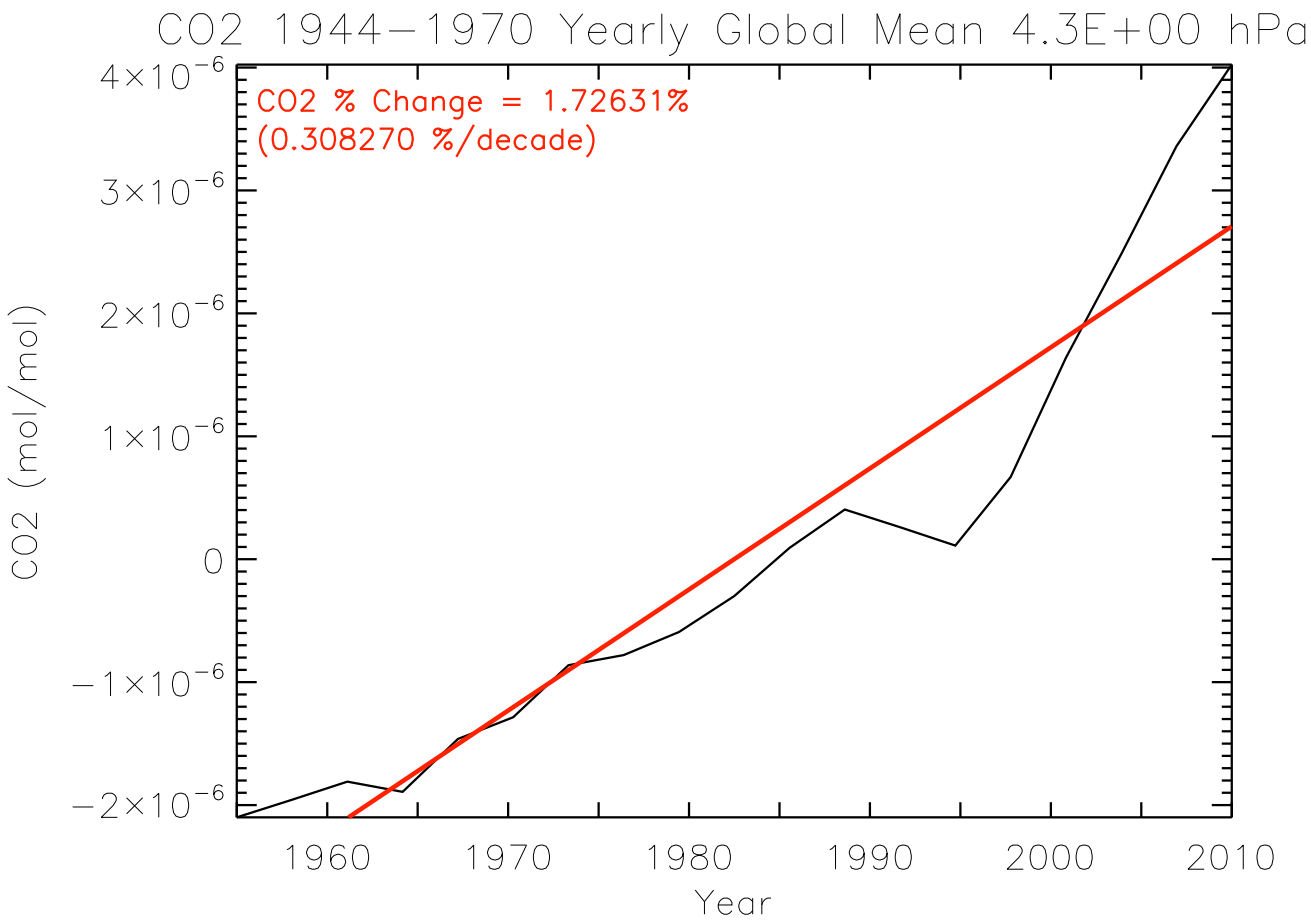

T 1944–1970 Yearly Global Mean 2.7E+00 hPa
0.4
0.2
0.0
−0.2
−0.4
T (K)
T Change = −0.423638 K
(−0.0756496 K/decade)
1960
1970
1980
1990
2000
2010
Year

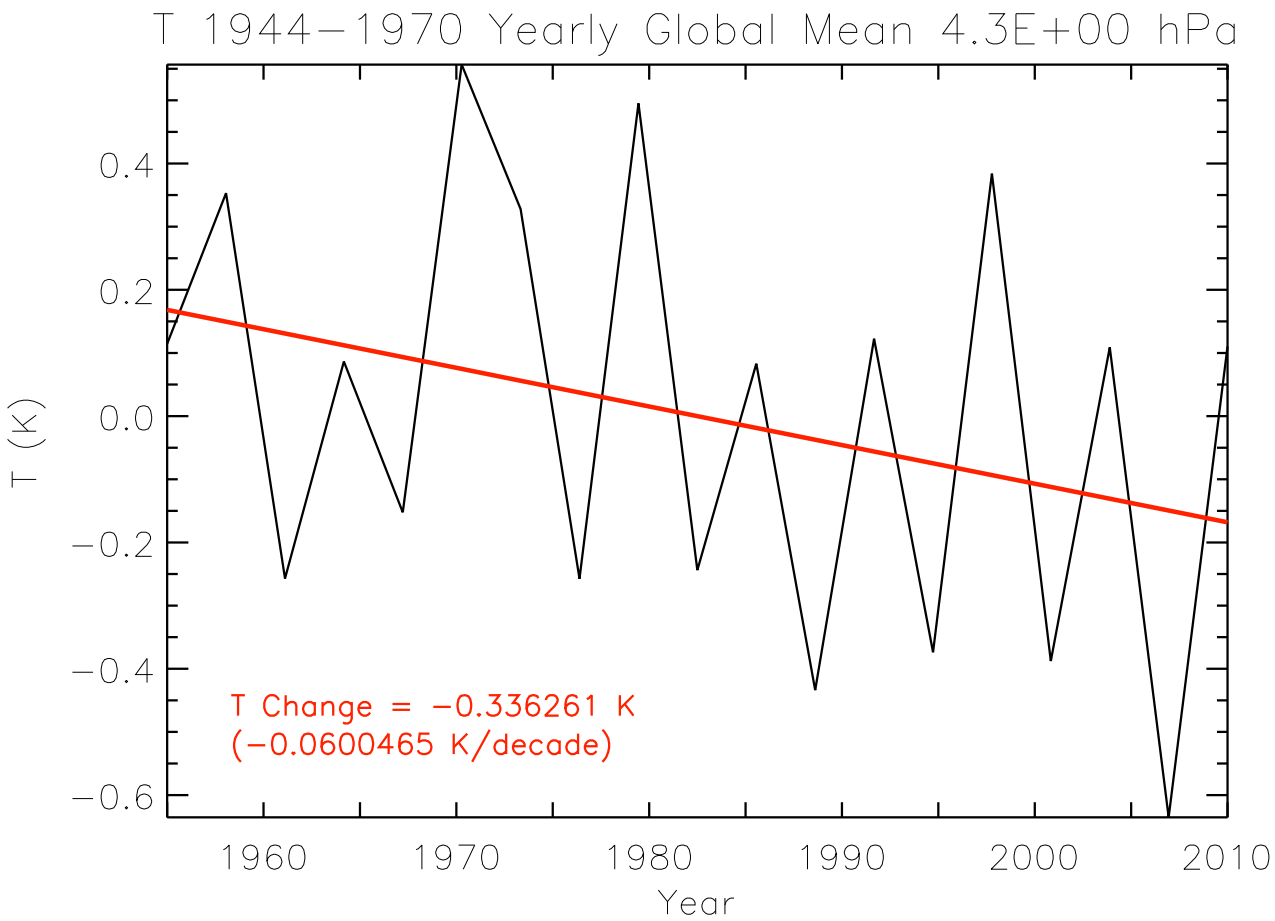

NO 1944–1970 Yearly Global Mean Residuals 2.7E+00 hPa
5×10⁻¹¹
0
−5×10⁻¹¹
−1×10⁻¹⁰
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

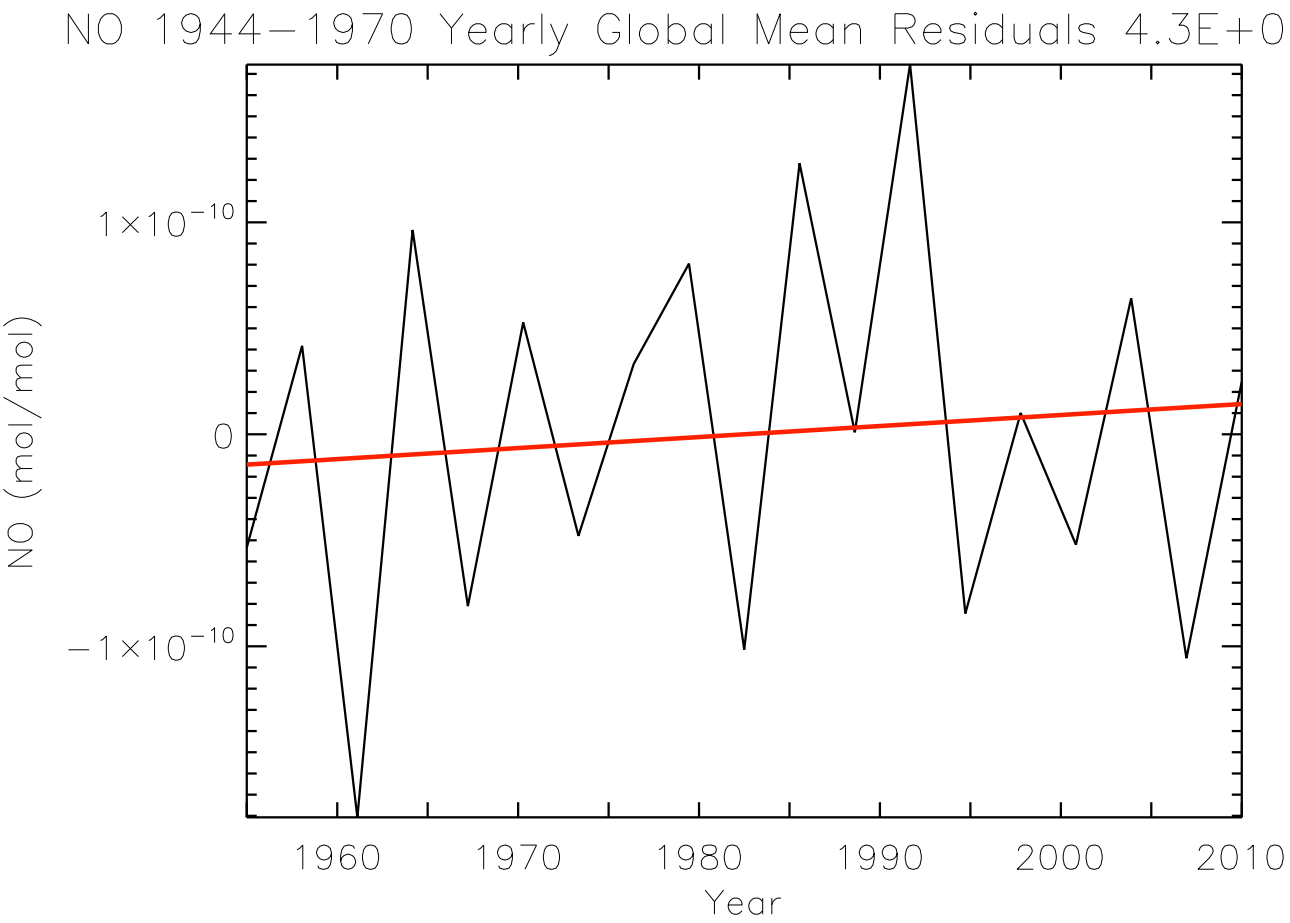

CO2 1944–1970 Yearly Global Mean 3.4E+00 hPa
CO2 % Change = 1.71802%
(0.306789 %/decade)
CO2 (mol/mol)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

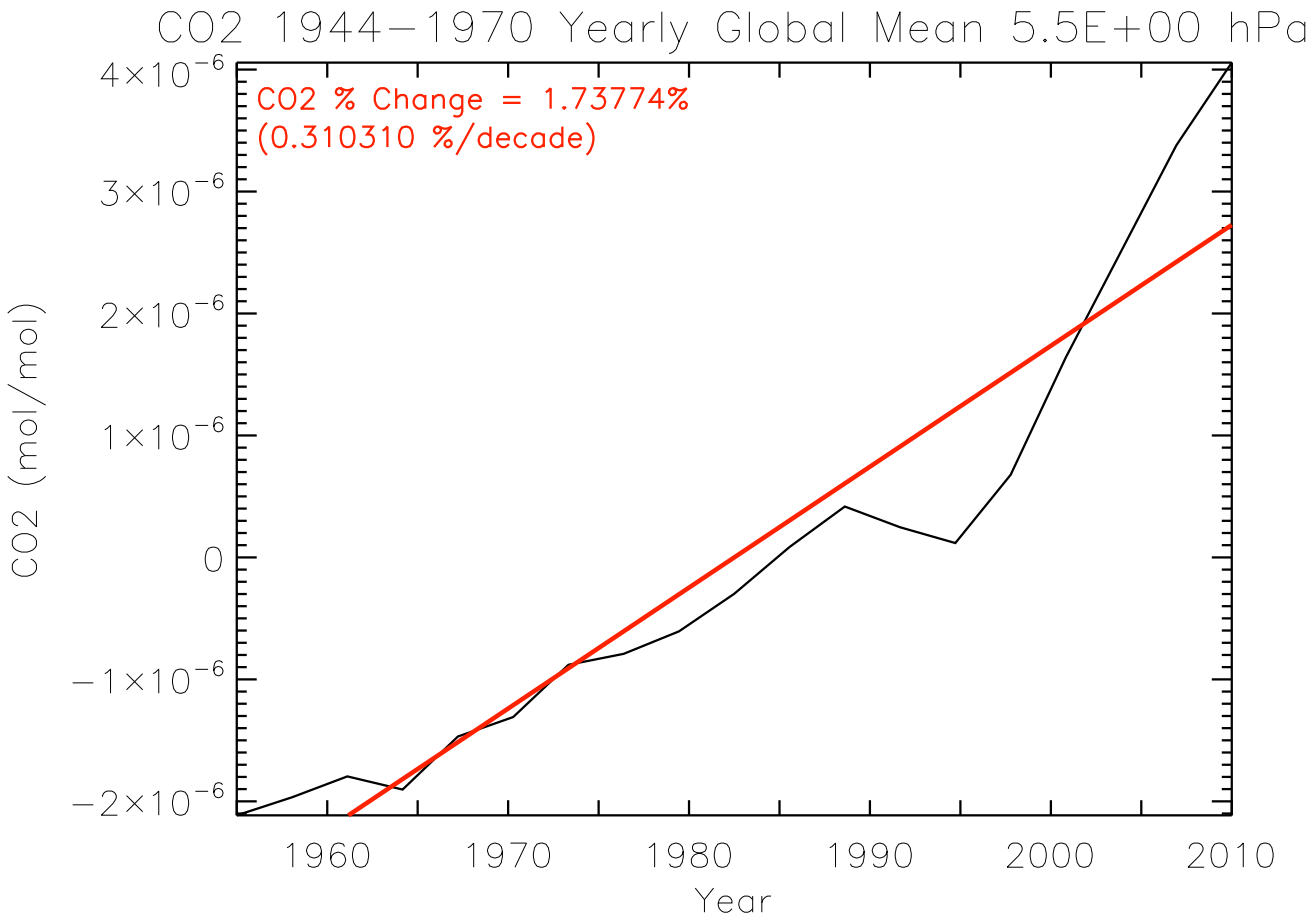

T 1944–1970 Yearly Global Mean 3.4E+00 hPa
0.4
0.2
0.0
−0.2
−0.4
−0.6
T (K)
T Change = −0.309406 K
(−0.0552510 K/decade)
1960
1970
1980
1990
2000
2010
Year

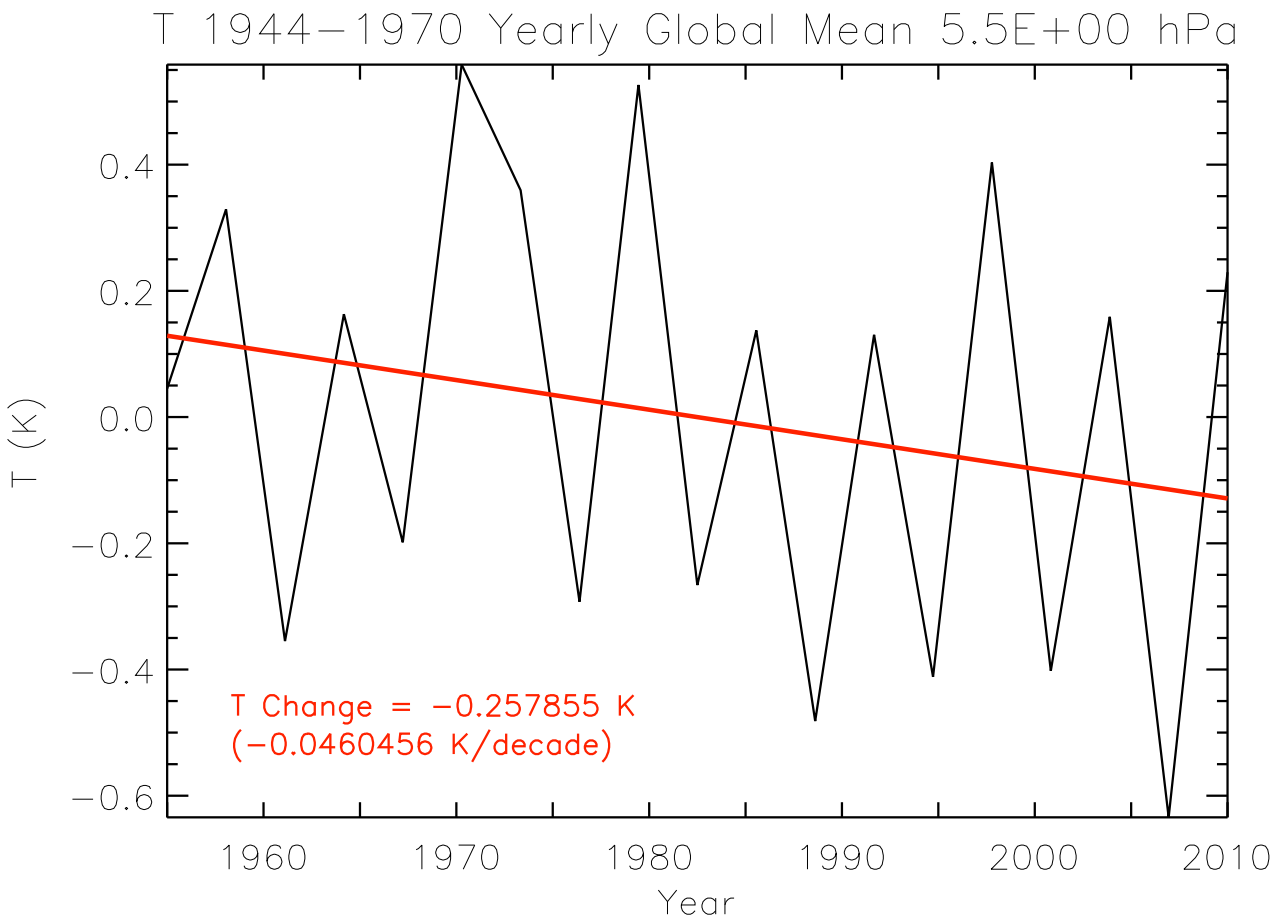

NO 1944–1970 Yearly Global Mean Residuals 3.4E+00 hPa
1×10⁻¹⁰
5×10⁻¹¹
0
−5×10⁻¹¹
−1×10⁻¹⁰
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

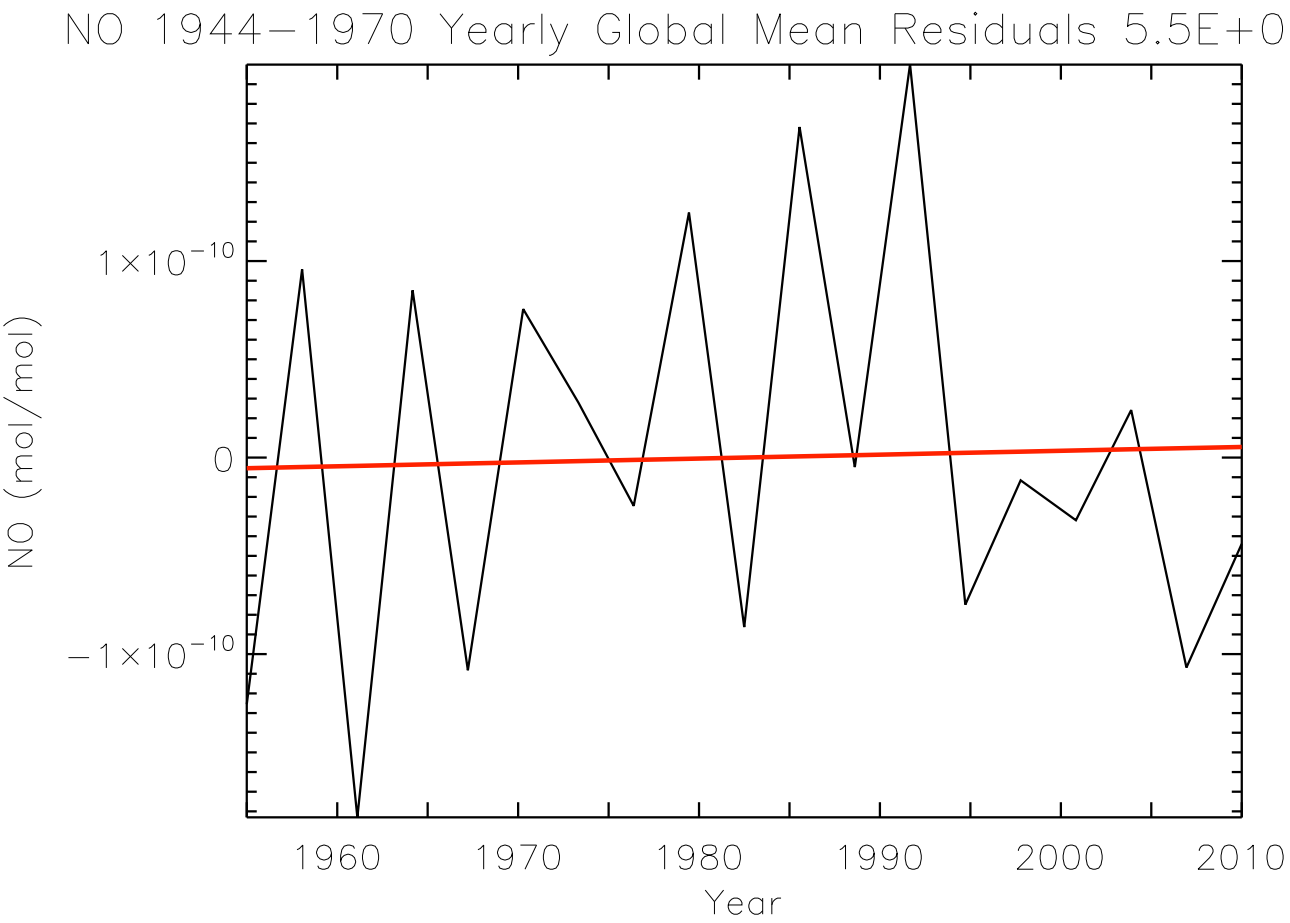

CO2 1944–1970 Yearly Global Mean 4.3E+00 hPa
CO2 % Change = 1.72631%
(0.308270 %/decade)
CO2 (mol/mol)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

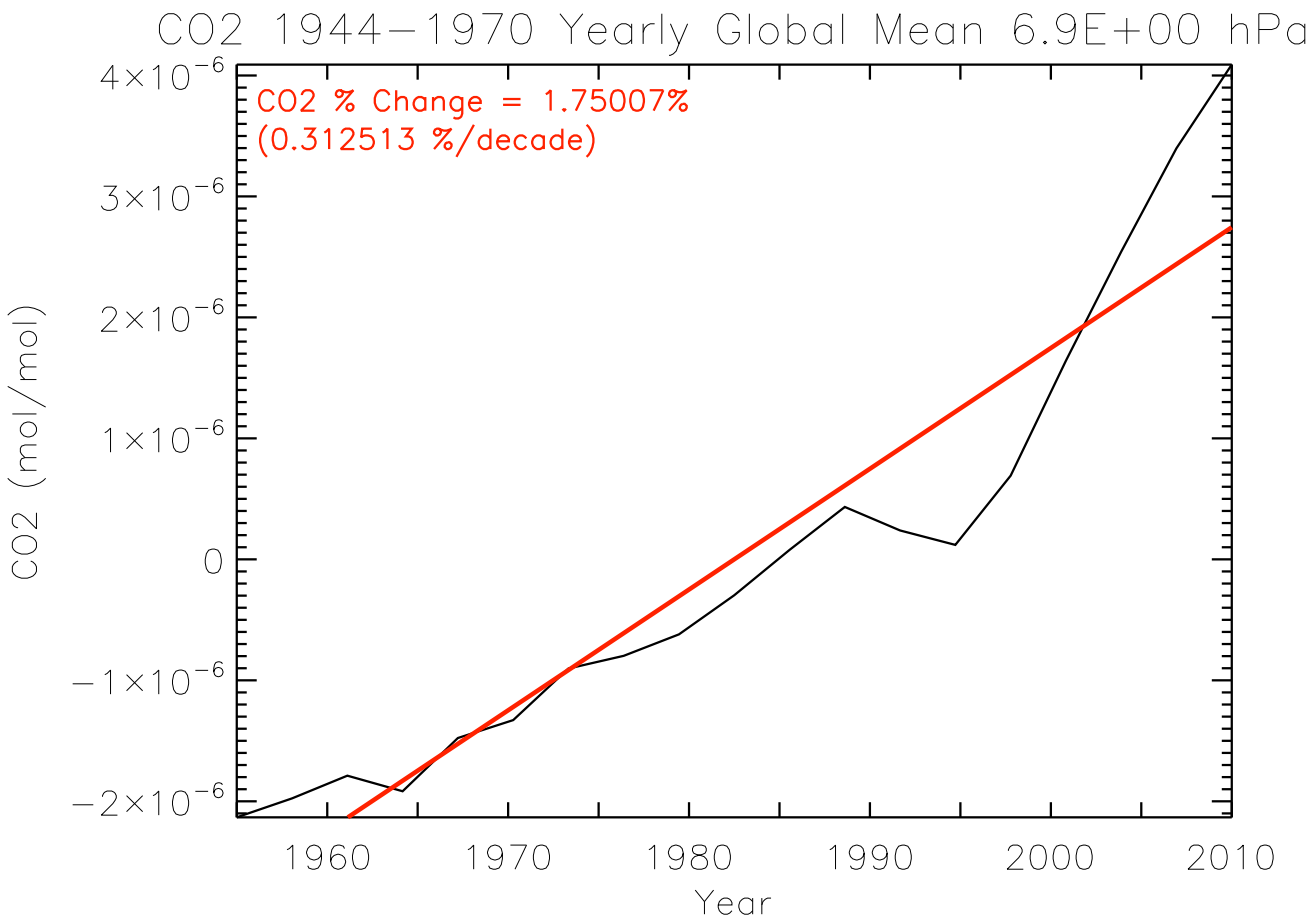

T 1944–1970 Yearly Global Mean 4.3E+00 hPa
0.4
0.2
0.0
−0.2
−0.4
−0.6
T (K)
T Change = −0.336261 K
(−0.0600465 K/decade)
1960
1970
1980
1990
2000
2010
Year

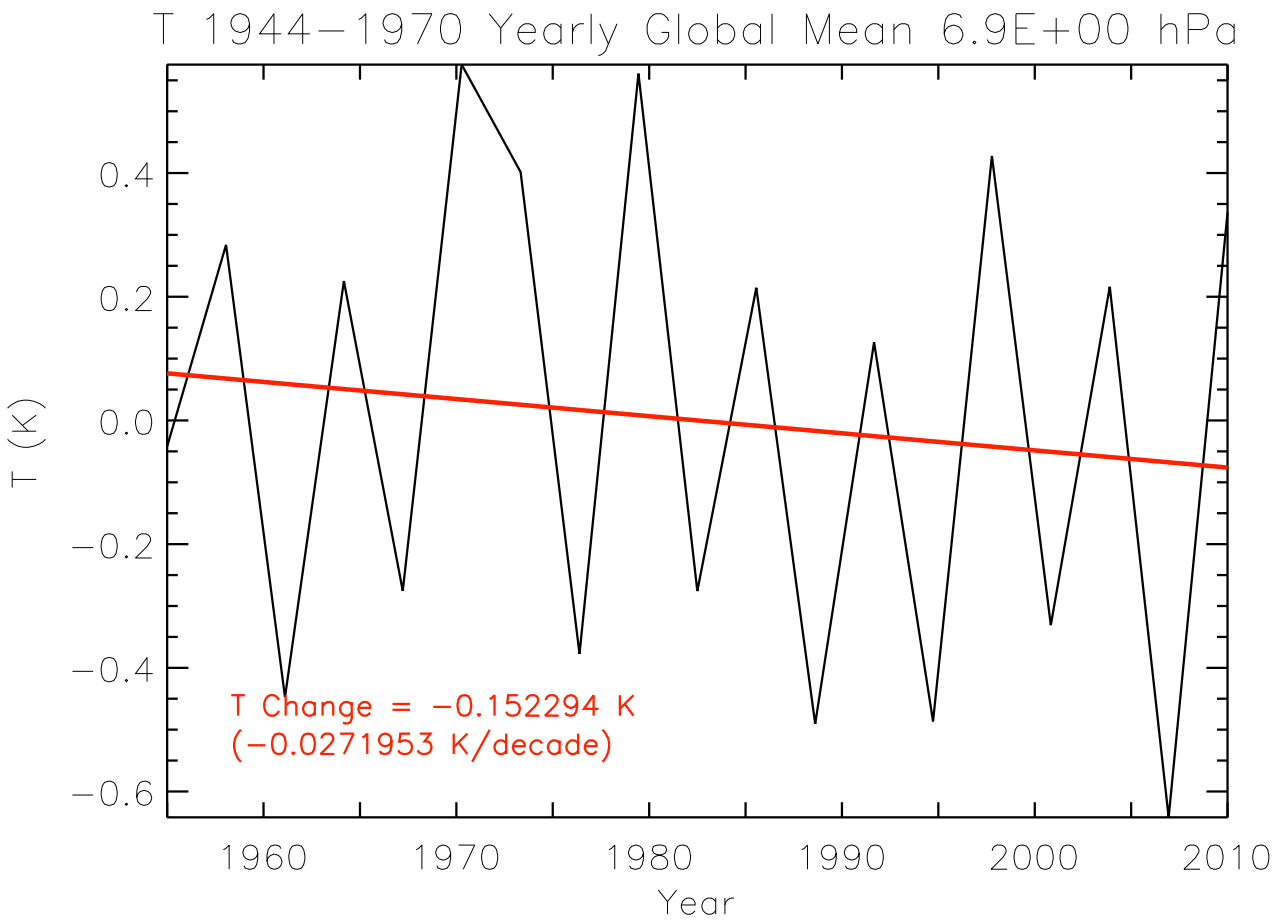

NO 1944–1970 Yearly Global Mean Residuals 4.3E+00 hPa
1×10⁻¹⁰
0
−1×10⁻¹⁰
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

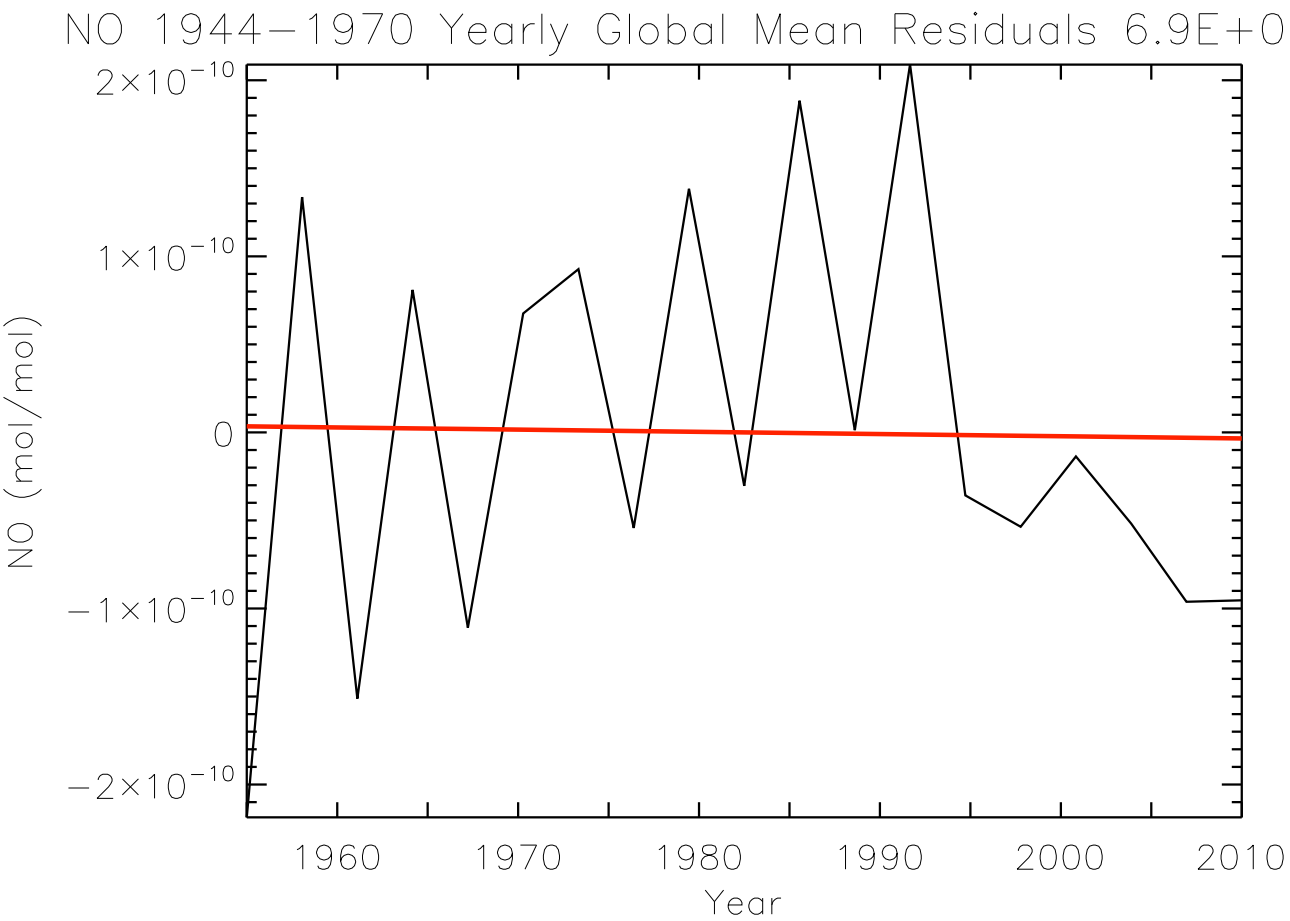

CO2 1944–1970 Yearly Global Mean 5.5E+00 hPa
CO2 % Change = 1.73774%
(0.310310 %/decade)
CO2 (mol/mol)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

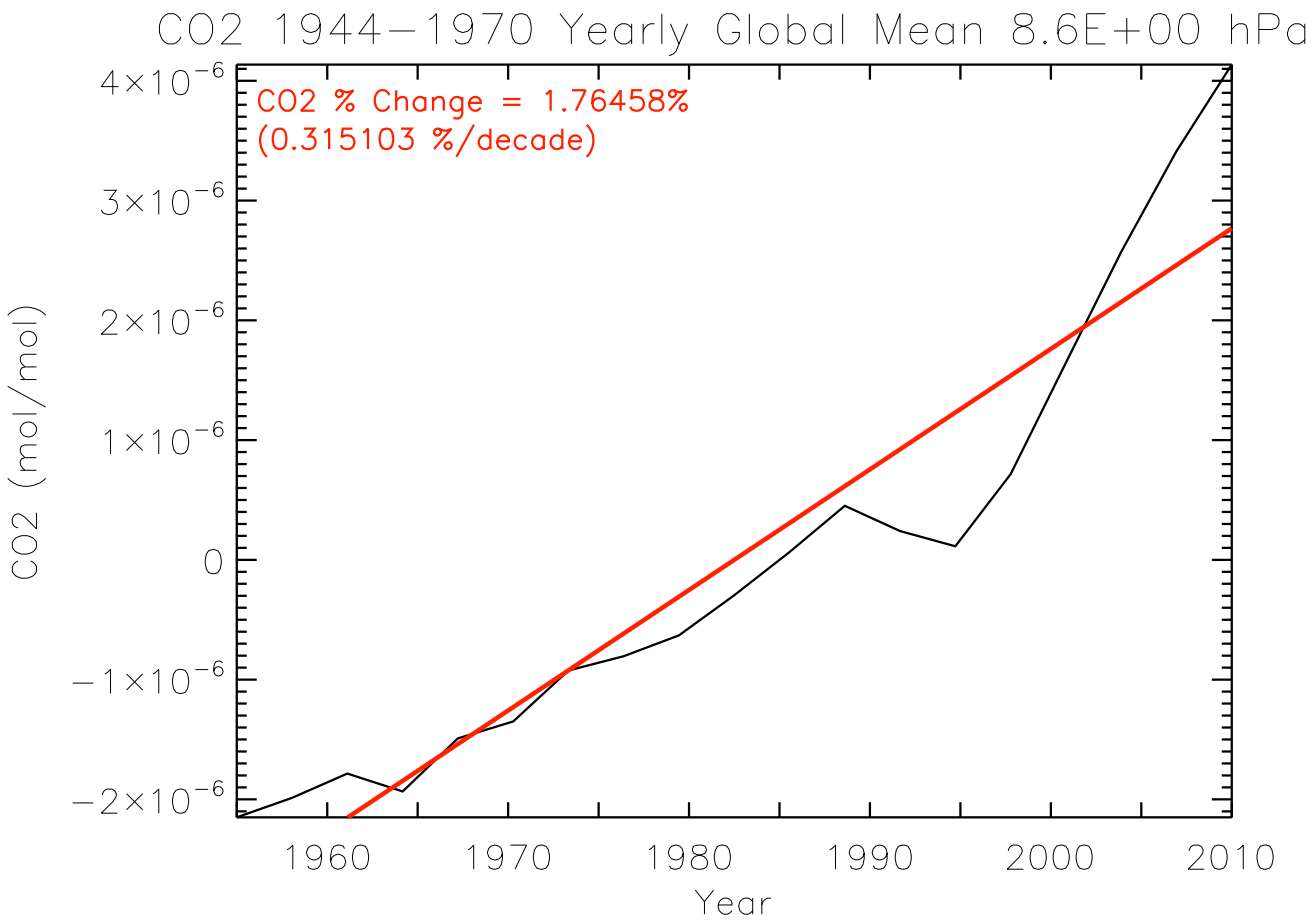

T 1944–1970 Yearly Global Mean 5.5E+00 hPa
T (K)
0.4
0.2
0.0
−0.2
−0.4
−0.6
T Change = −0.257855 K
(−0.0460456 K/decade)
1960
1970
1980
1990
2000
2010
Year

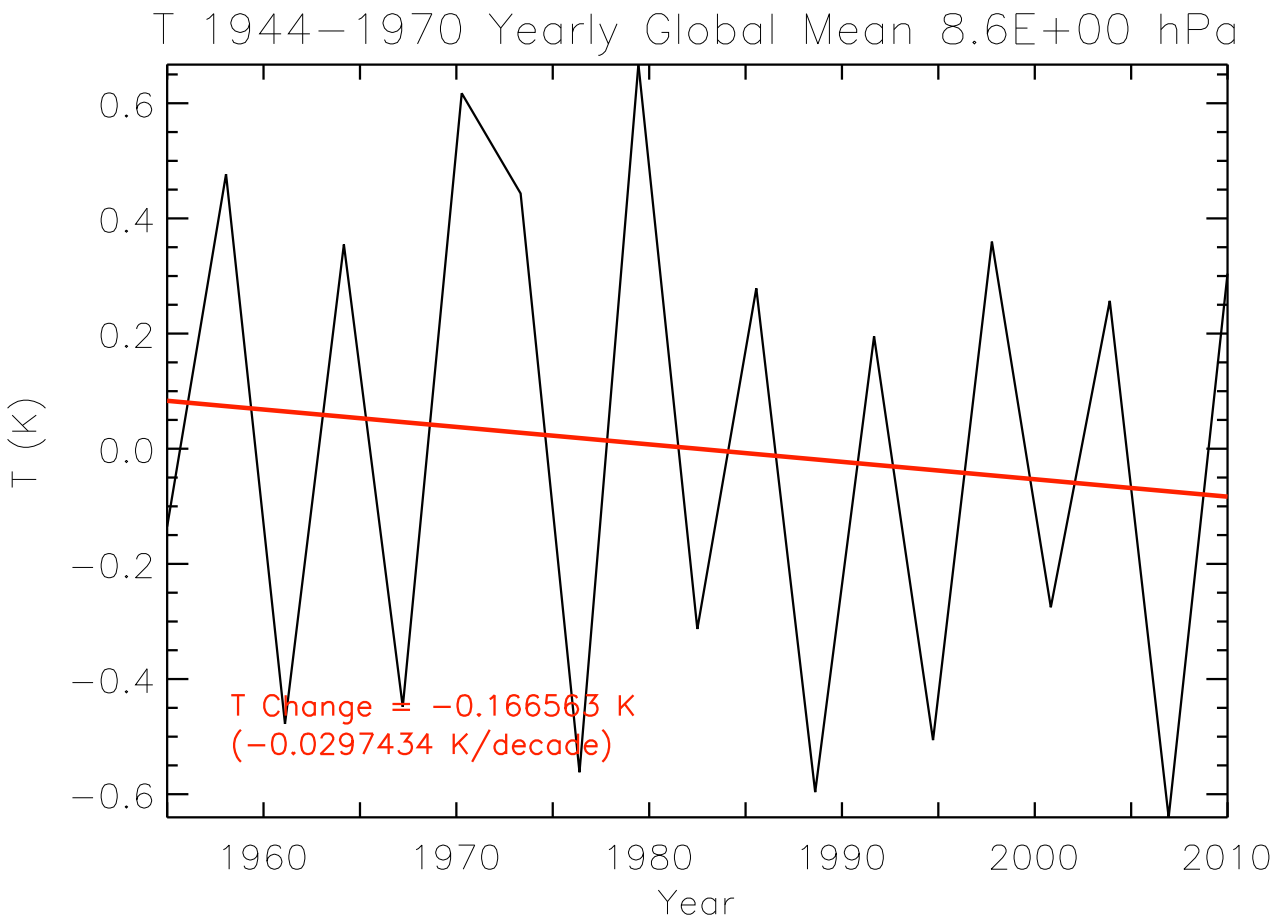

NO 1944–1970 Yearly Global Mean Residuals 5.5E+00 hPa
NO (mol/mol)
1×10⁻¹⁰
0
−1×10⁻¹⁰
1960
1970
1980
1990
2000
2010
Year

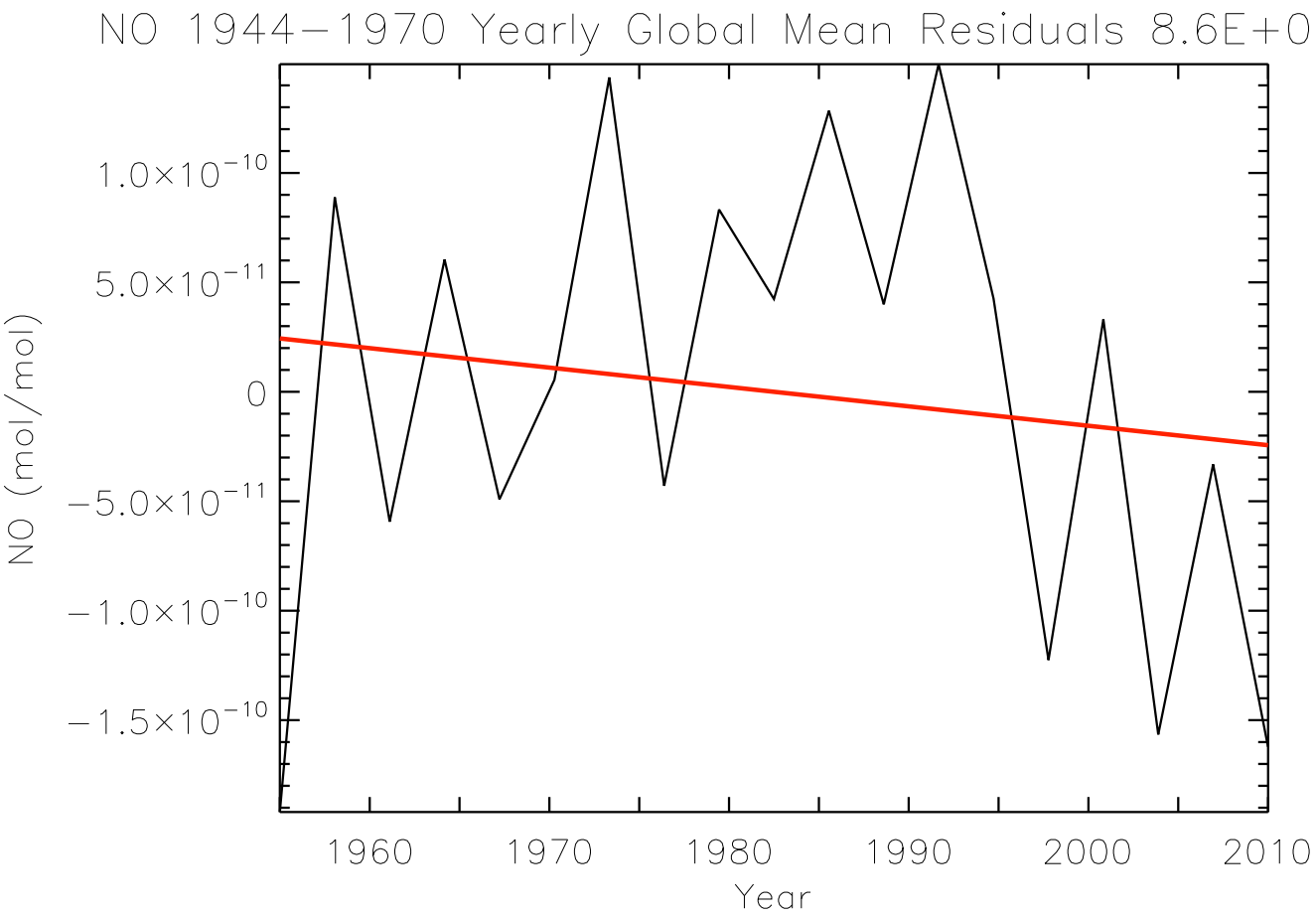

CO2 1944–1970 Yearly Global Mean 6.9E+00 hPa
CO2 % Change = 1.75007%
(0.312513 %/decade)
CO2 (mol/mol)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

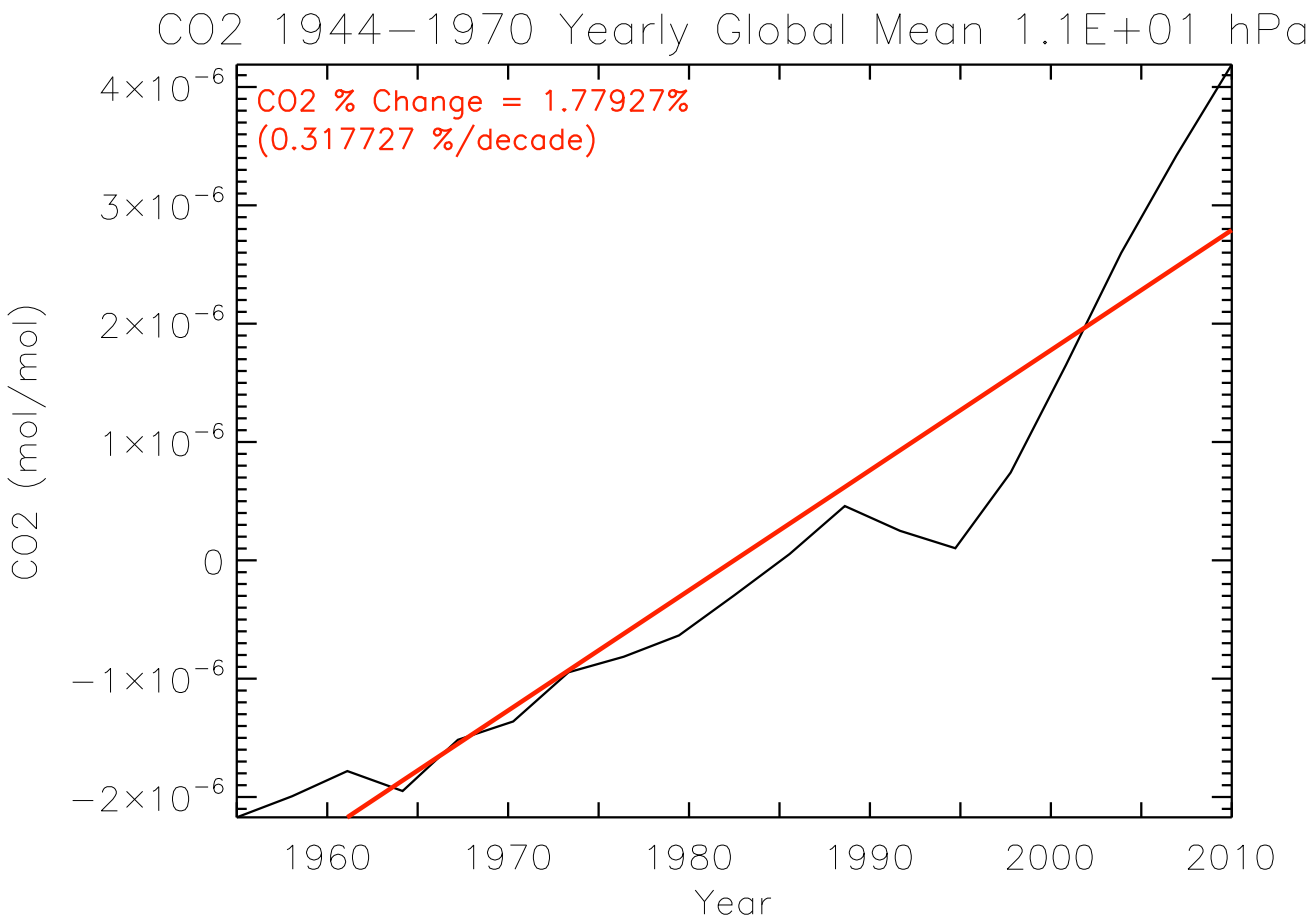

T 1944–1970 Yearly Global Mean 6.9E+00 hPa
T (K)
0.4
0.2
0.0
−0.2
−0.4
−0.6
T Change = −0.152294 K
(−0.0271953 K/decade)
1960
1970
1980
1990
2000
2010
Year

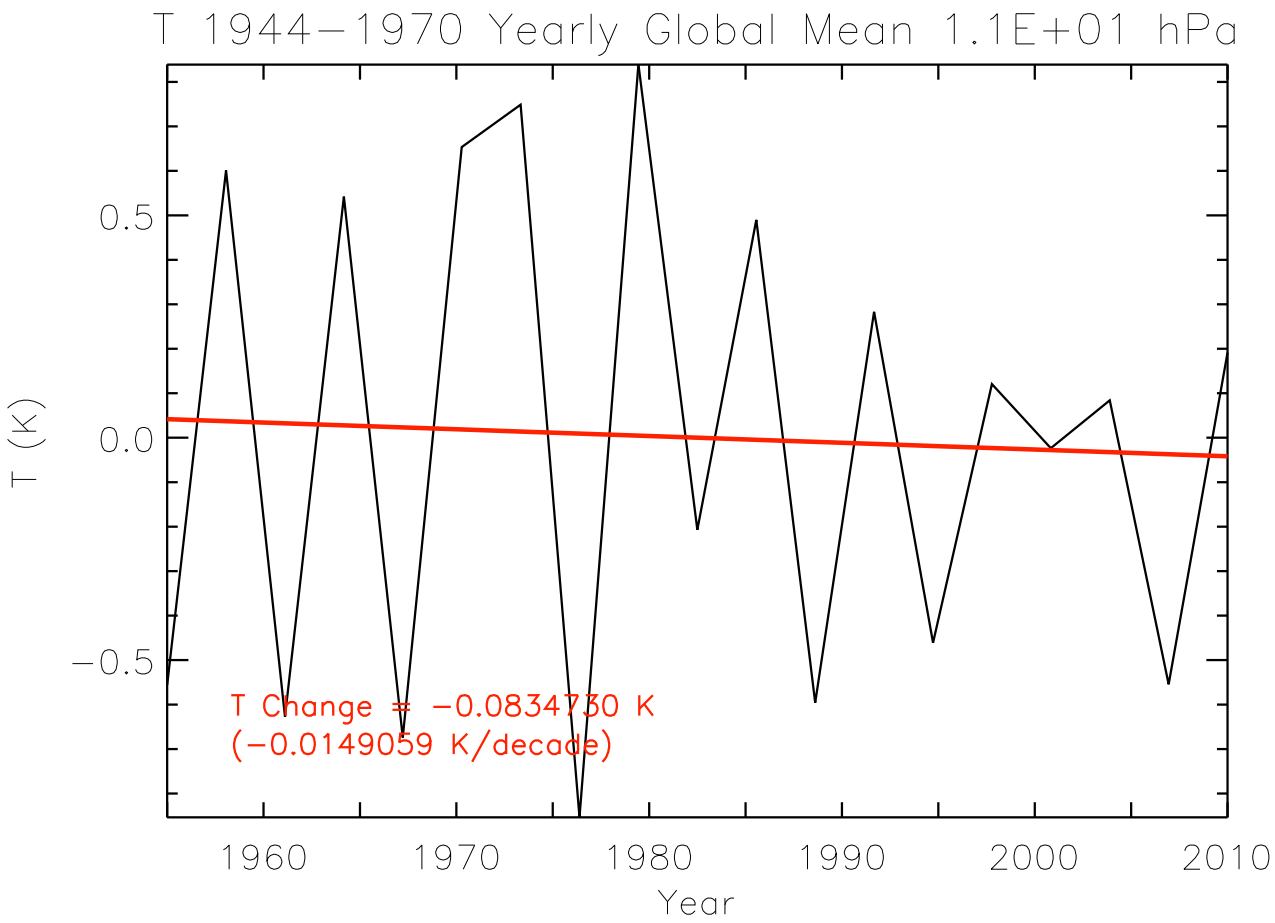

NO 1944–1970 Yearly Global Mean Residuals 6.9E+00 hPa
2×10⁻¹⁰
1×10⁻¹⁰
0
−1×10⁻¹⁰
−2×10⁻¹⁰
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

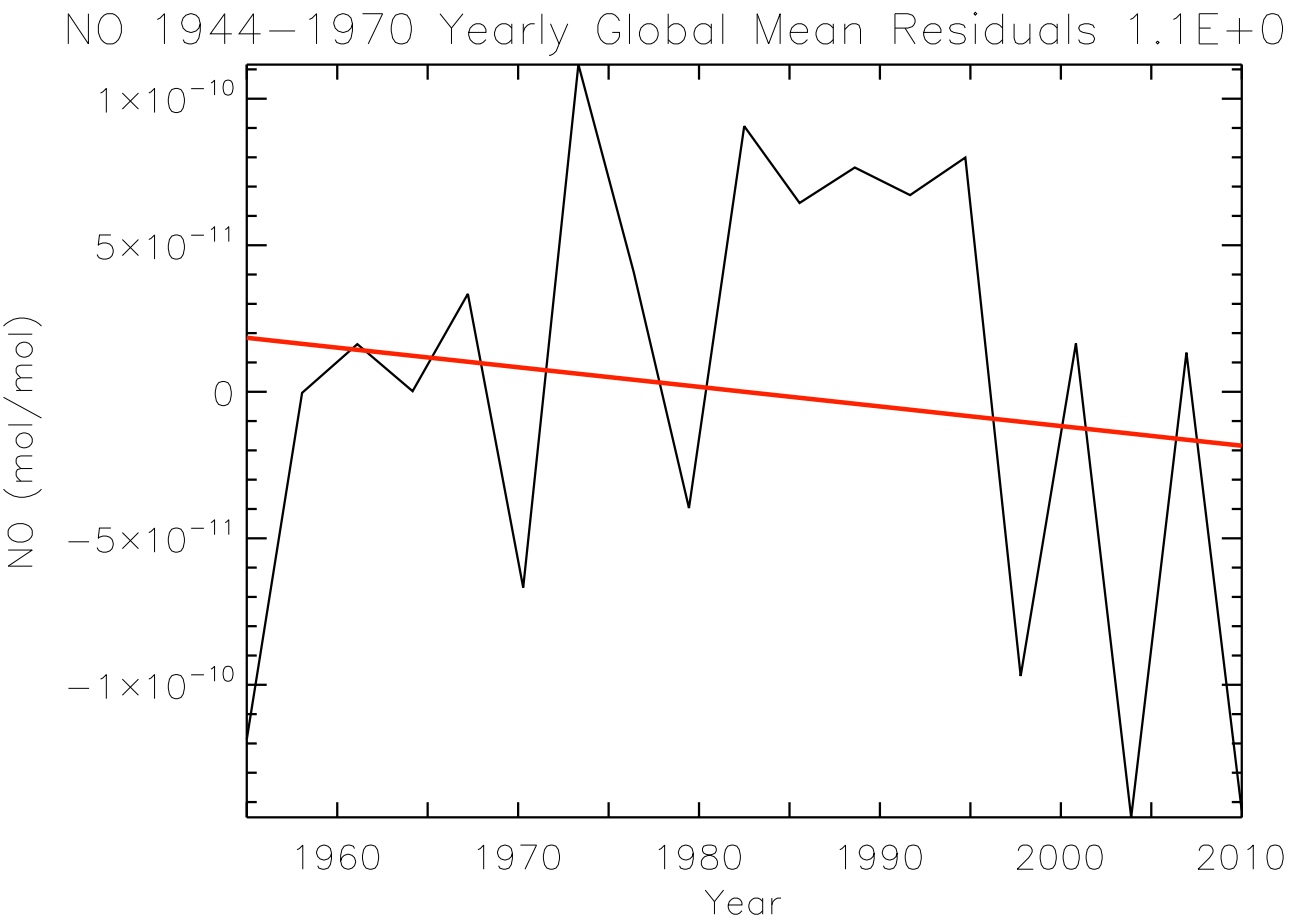

CO2 1944–1970 Yearly Global Mean 8.6E+00 hPa
CO2 % Change = 1.76458%
(0.315103 %/decade)
CO2 (mol/mol)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

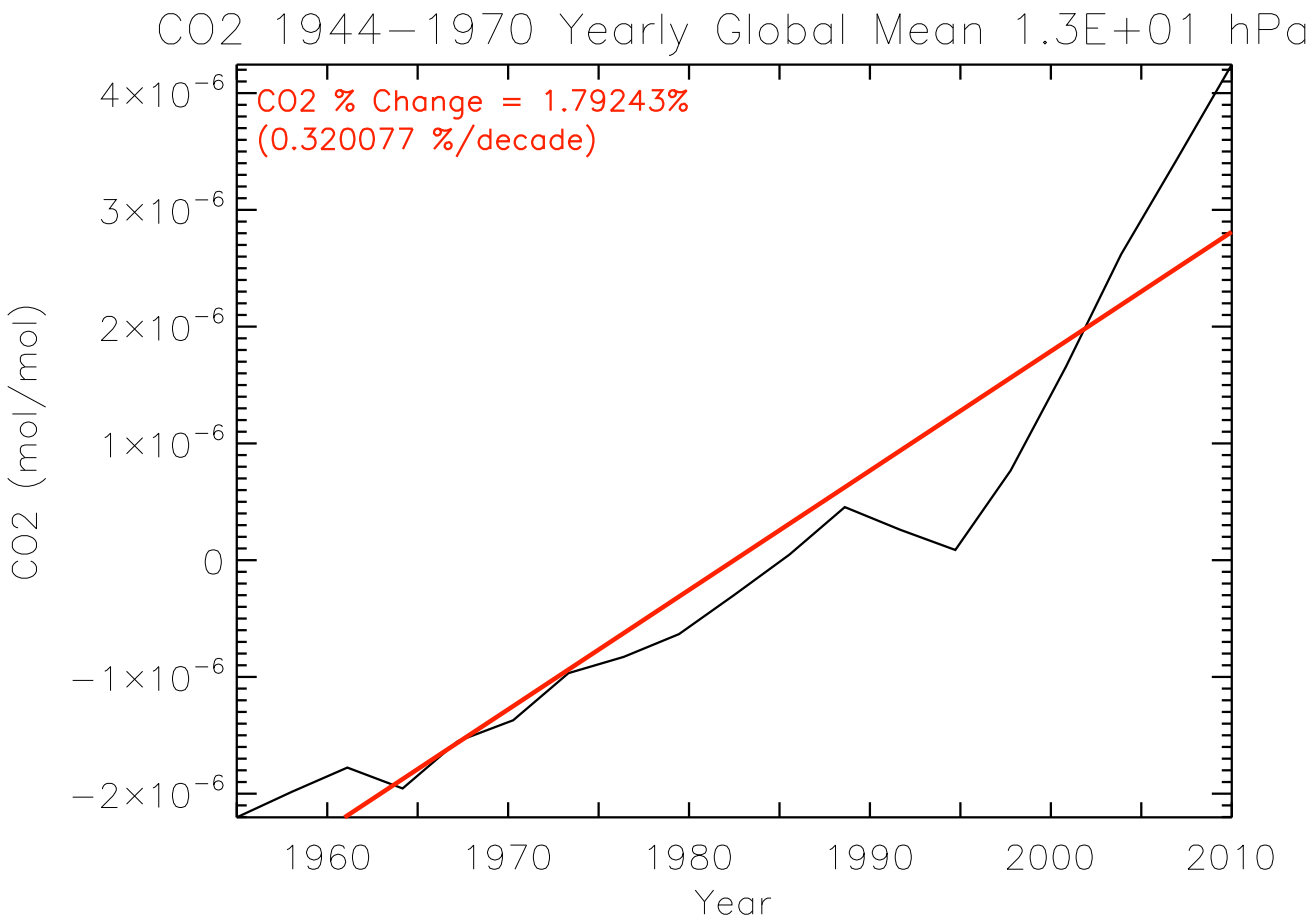

T 1944–1970 Yearly Global Mean 8.6E+00 hPa
T (K)
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
T Change = −0.166563 K
(−0.0297434 K/decade)
1960
1970
1980
1990
2000
2010
Year

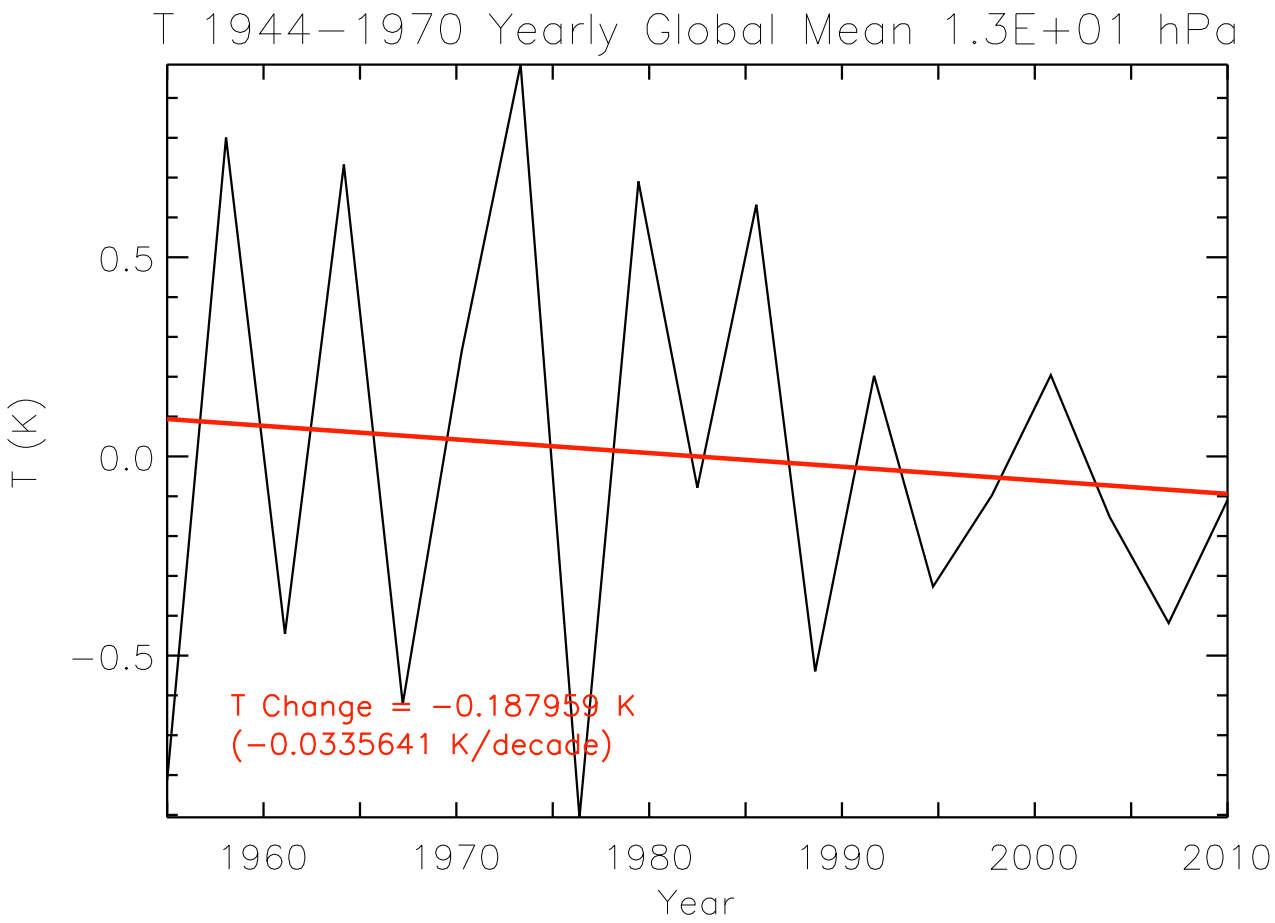

NO 1944–1970 Yearly Global Mean Residuals 8.6E+00 hPa
NO (mol/mol)
1.0×10−10
5.0×10−11
0
−5.0×10−11
−1.0×10−10
−1.5×10−10
1960
1970
1980
1990
2000
2010
Year

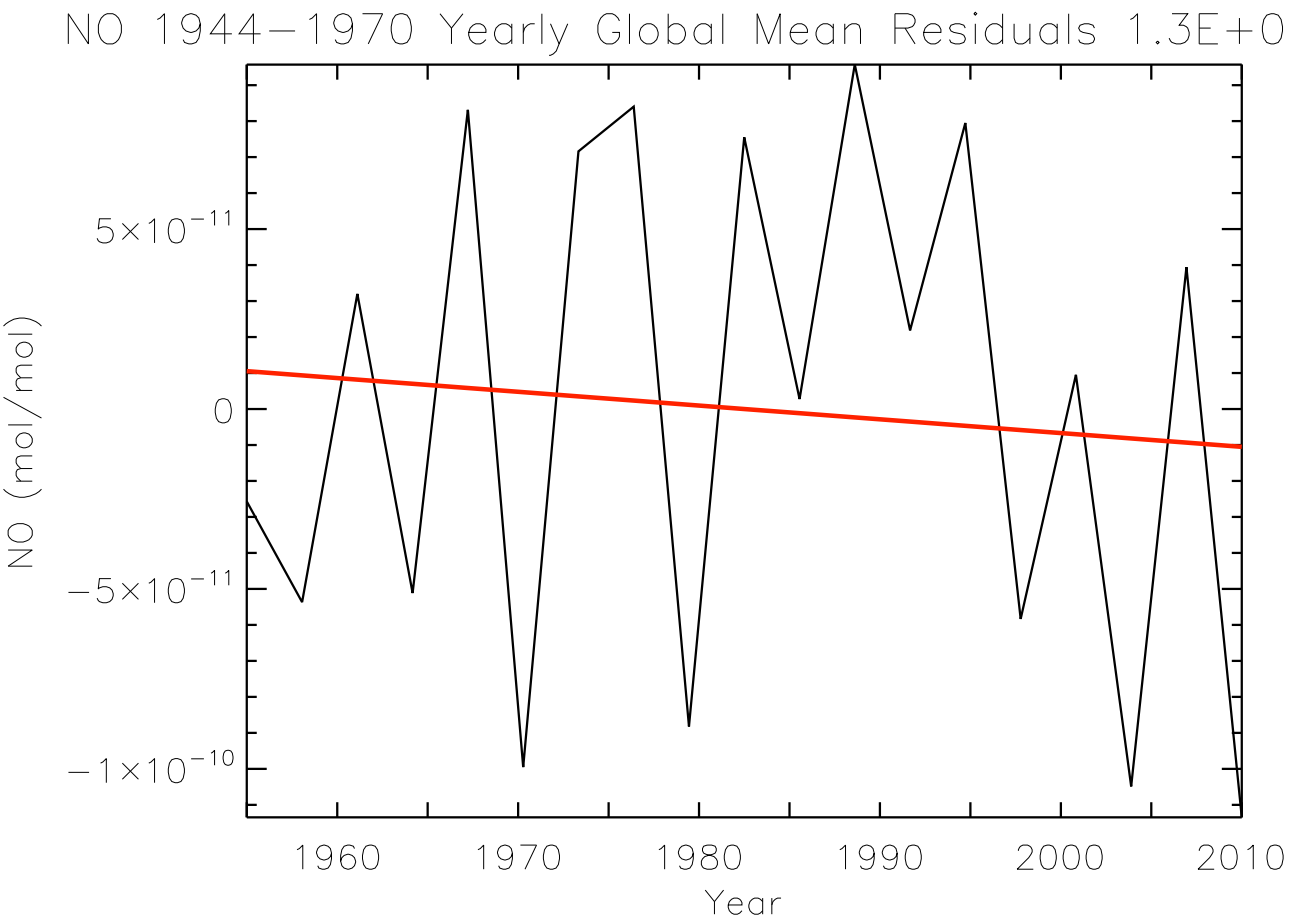

CO2 1944–1970 Yearly Global Mean 1.1E+01 hPa
CO2 % Change = 1.77927%
(0.317727 %/decade)
CO2 (mol/mol)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
1960
1970
1980
1990
2000
2010
Year

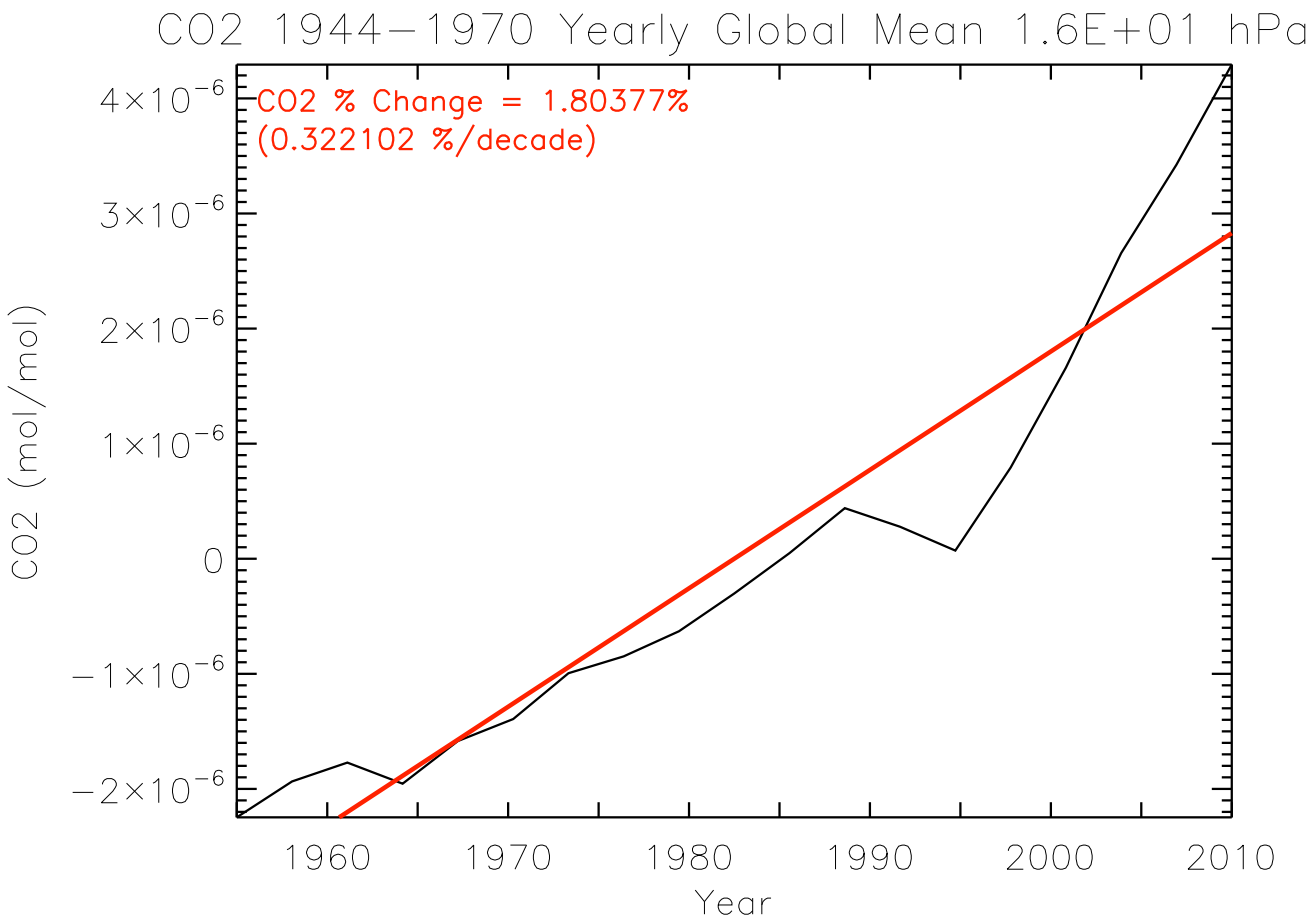

T 1944–1970 Yearly Global Mean 1.1E+01 hPa
T (K)
0.5
0.0
−0.5
T Change = −0.0834730 K
(−0.0149059 K/decade)
1960
1970
1980
1990
2000
2010
Year

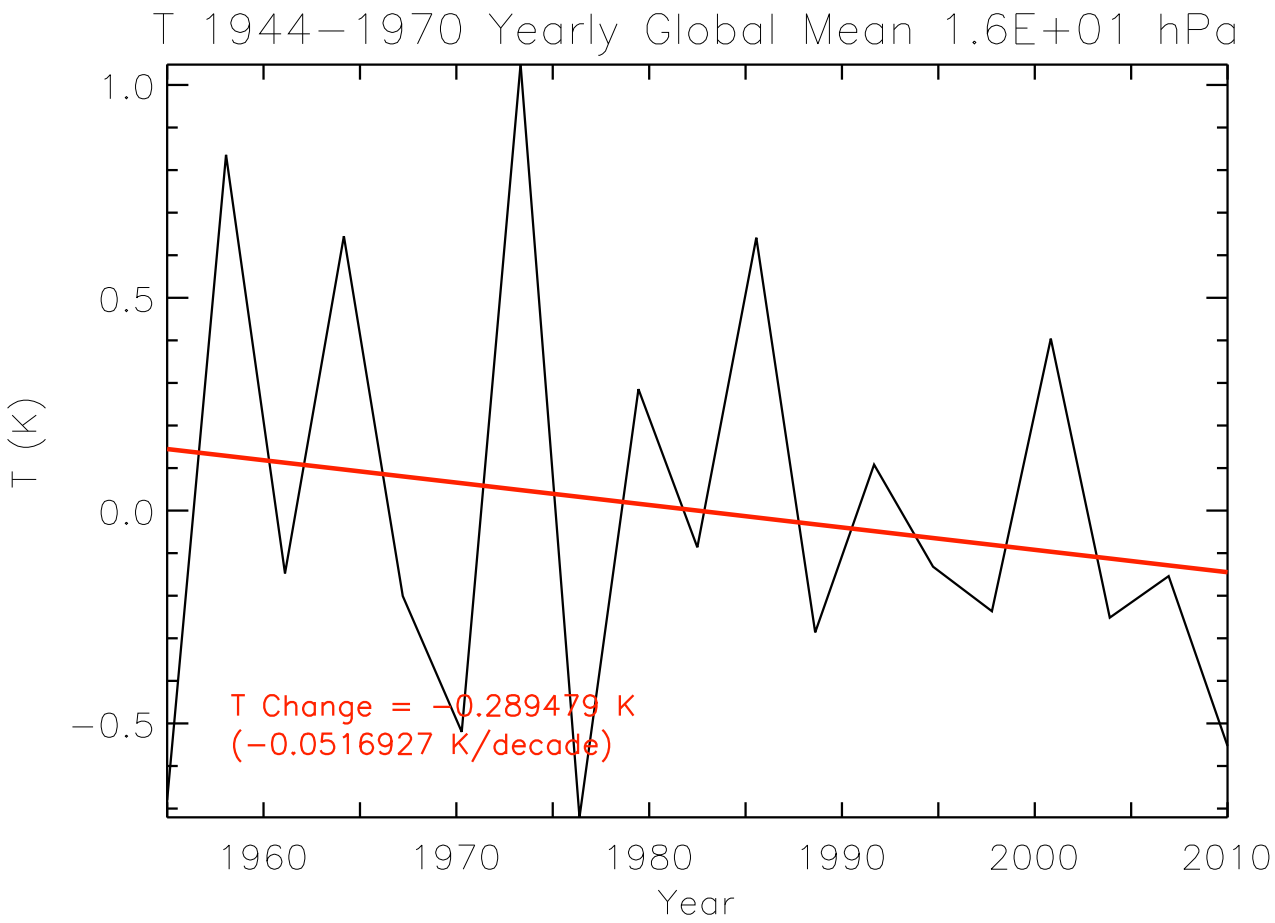

NO 1944–1970 Yearly Global Mean Residuals 1.1E+01 hPa
1×10⁻¹⁰
5×10⁻¹¹
0
−5×10⁻¹¹
−1×10⁻¹⁰
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

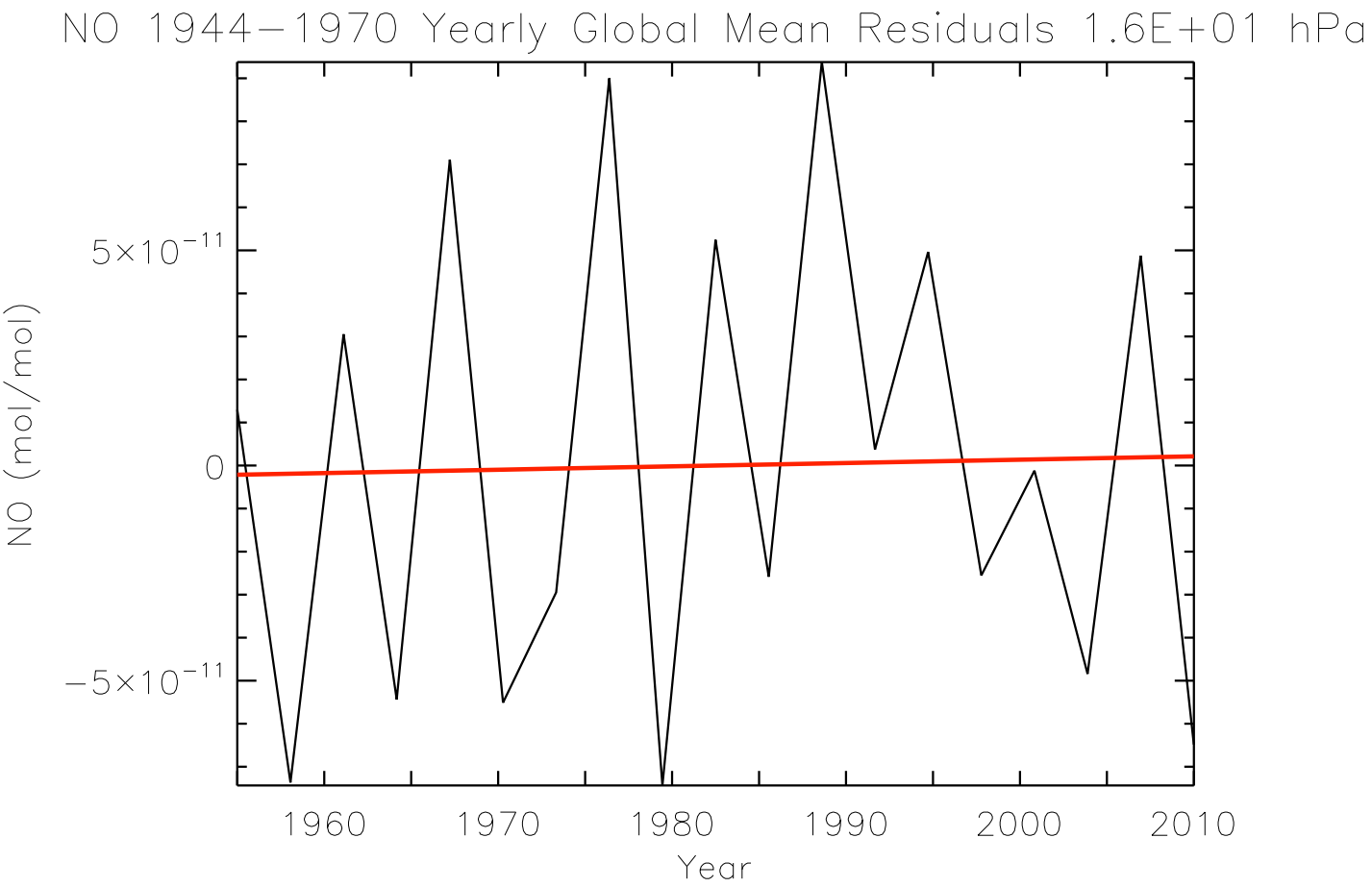

CO2 1944–1970 Yearly Global Mean 1.3E+01 hPa
CO2 % Change = 1.79243%
(0.320077 %/decade)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

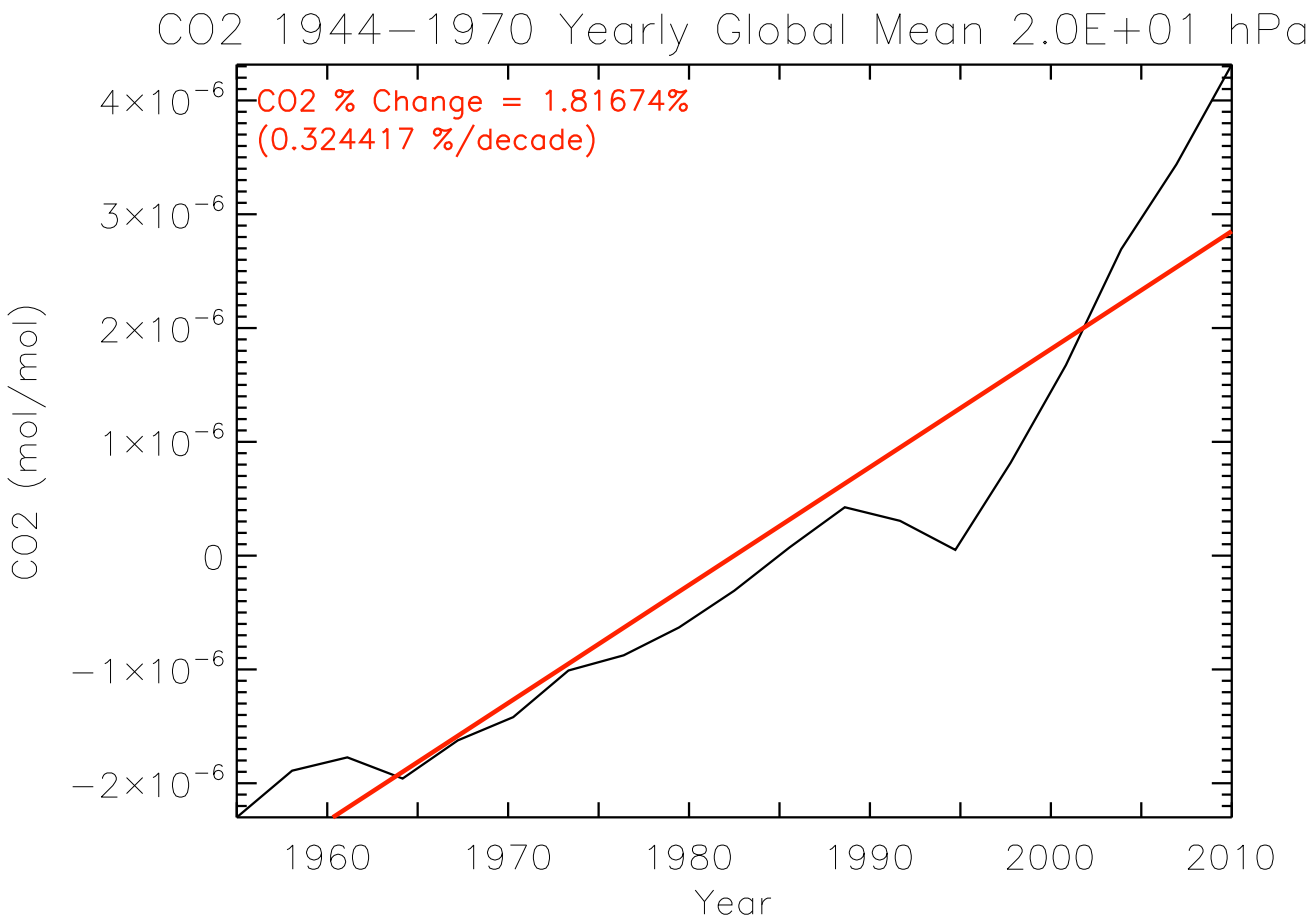

T 1944–1970 Yearly Global Mean 1.3E+01 hPa
T (K)
0.5
0.0
−0.5
T Change = −0.187959 K
(−0.0335641 K/decade)
1960
1970
1980
1990
2000
2010
Year

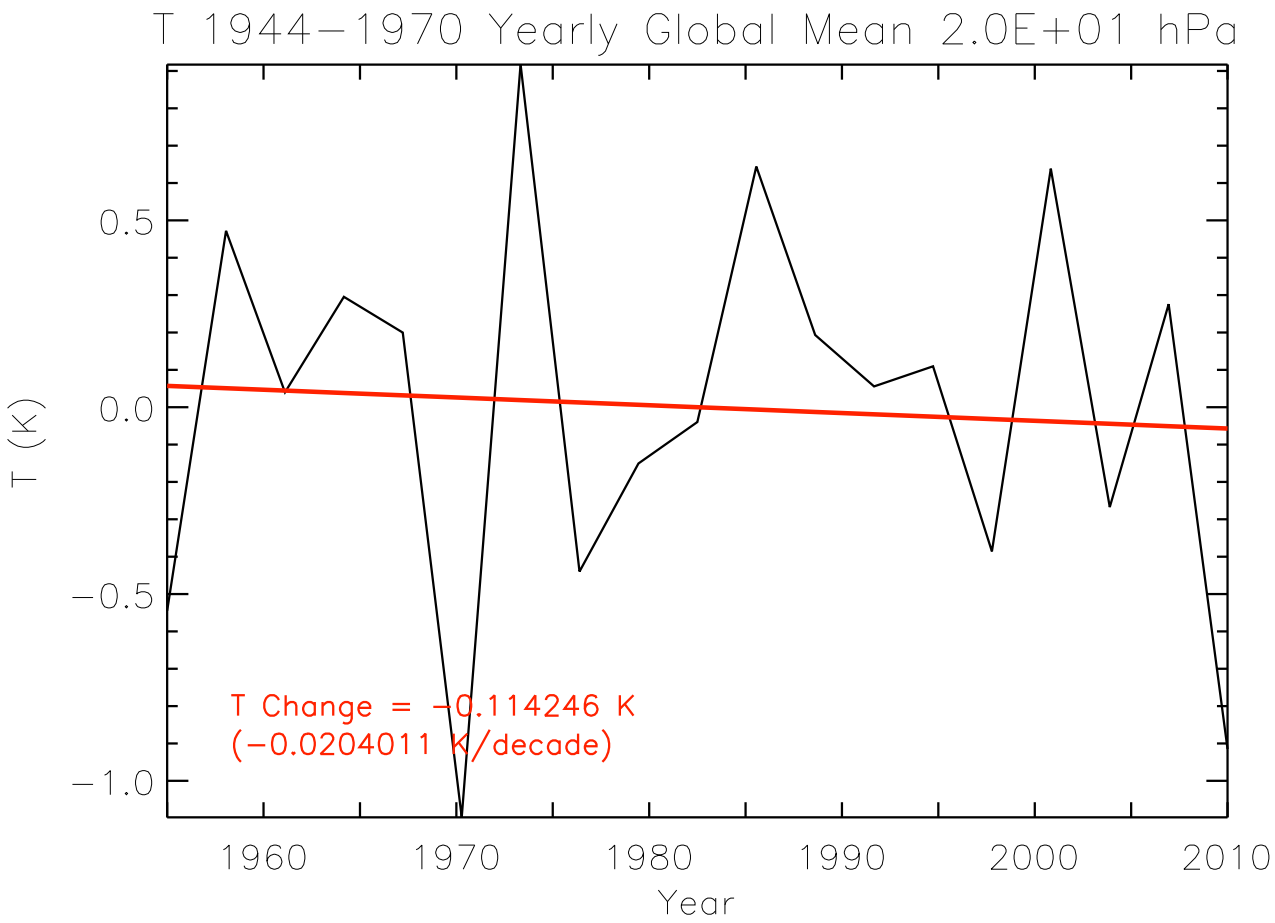

NO 1944–1970 Yearly Global Mean Residuals 1.3E+01 hPa
NO (mol/mol)
5×10⁻¹¹
0
−5×10⁻¹¹
−1×10⁻¹⁰
1960
1970
1980
1990
2000
2010
Year

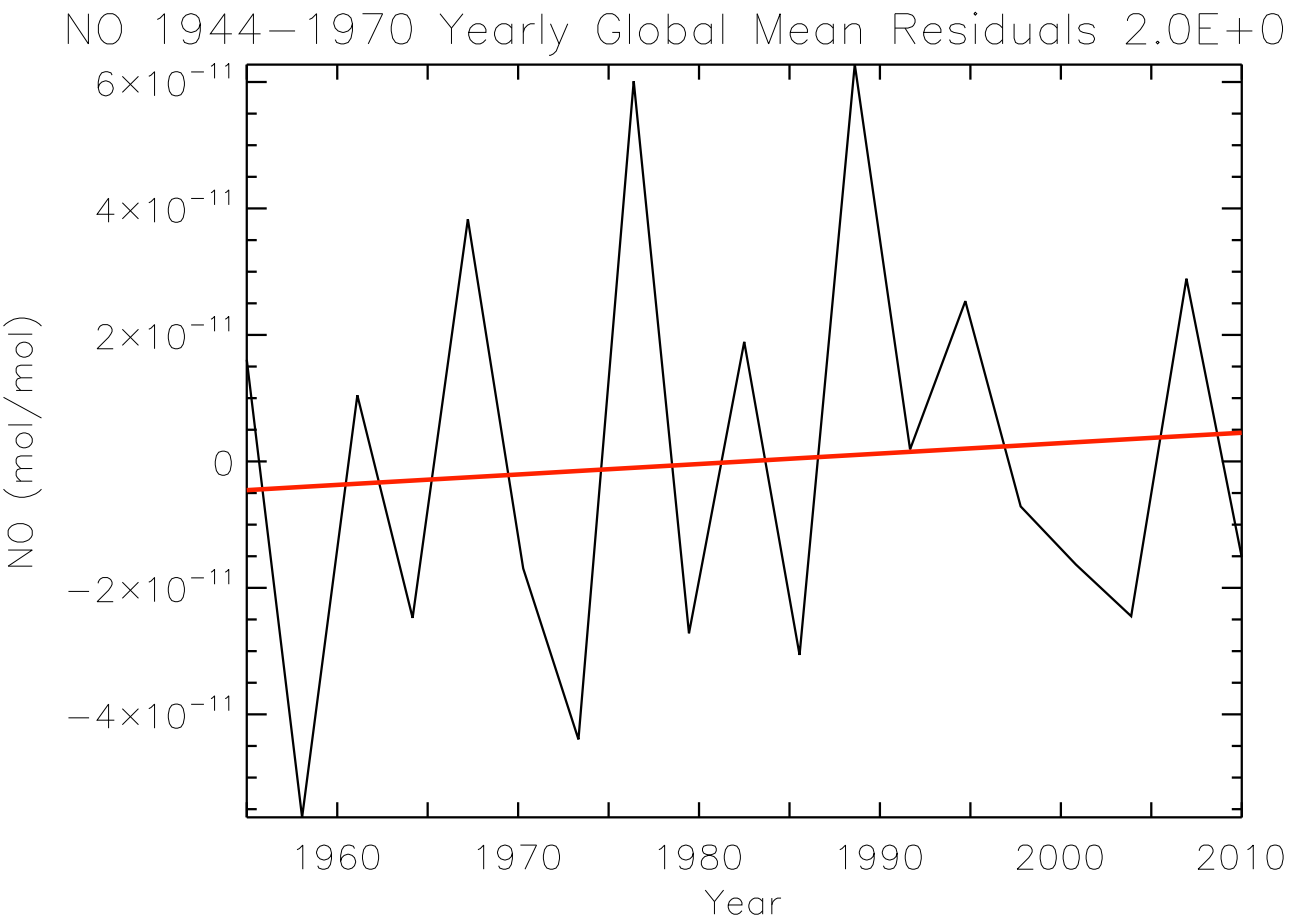

CO2 1944–1970 Yearly Global Mean 1.6E+01 hPa
CO2 % Change = 1.80377%
(0.322102 %/decade)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

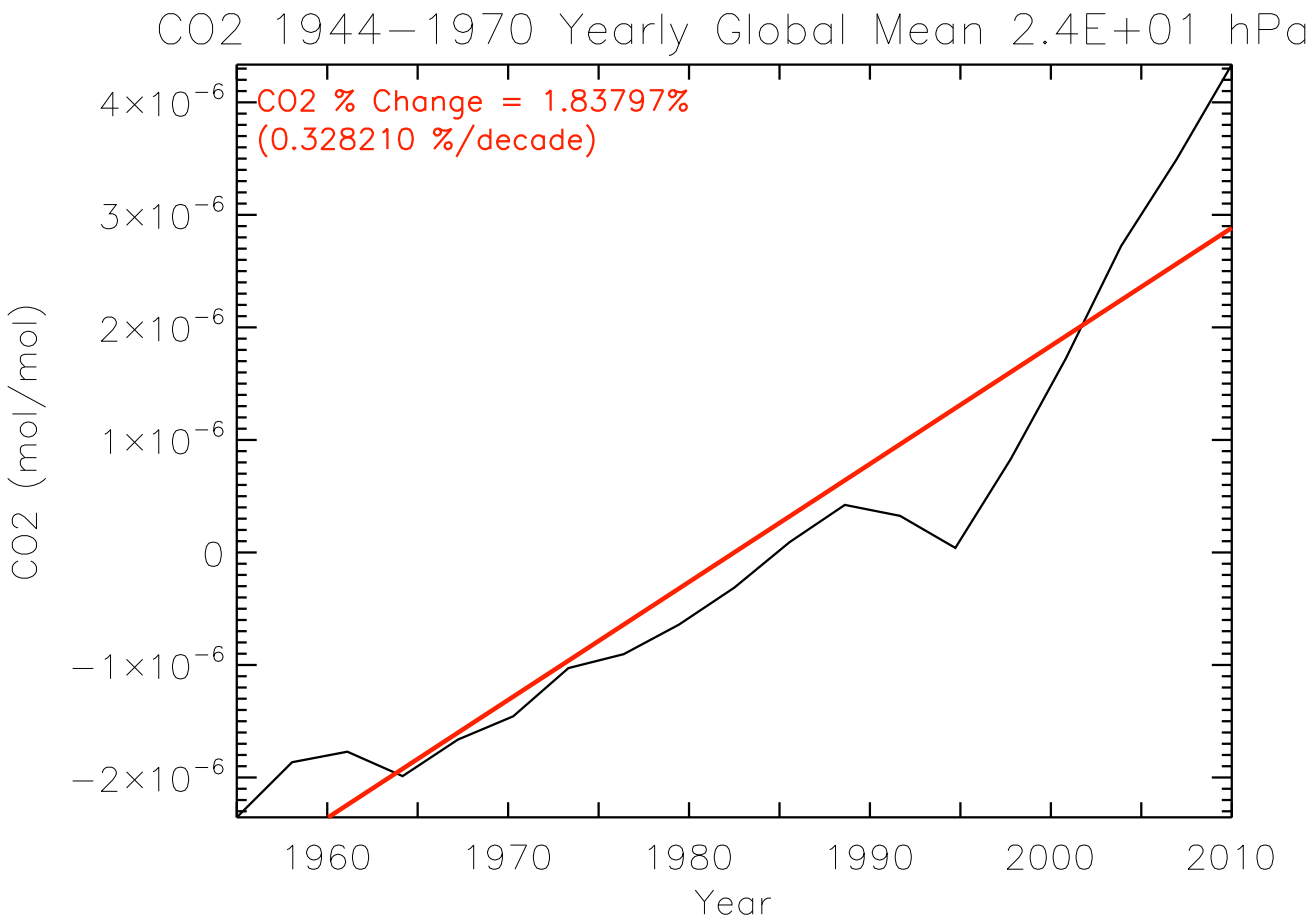

T 1944–1970 Yearly Global Mean 1.6E+01 hPa
1.0
0.5
0.0
−0.5
T (K)
T Change = −0.289479 K
(−0.0516927 K/decade)
1960
1970
1980
1990
2000
2010
Year

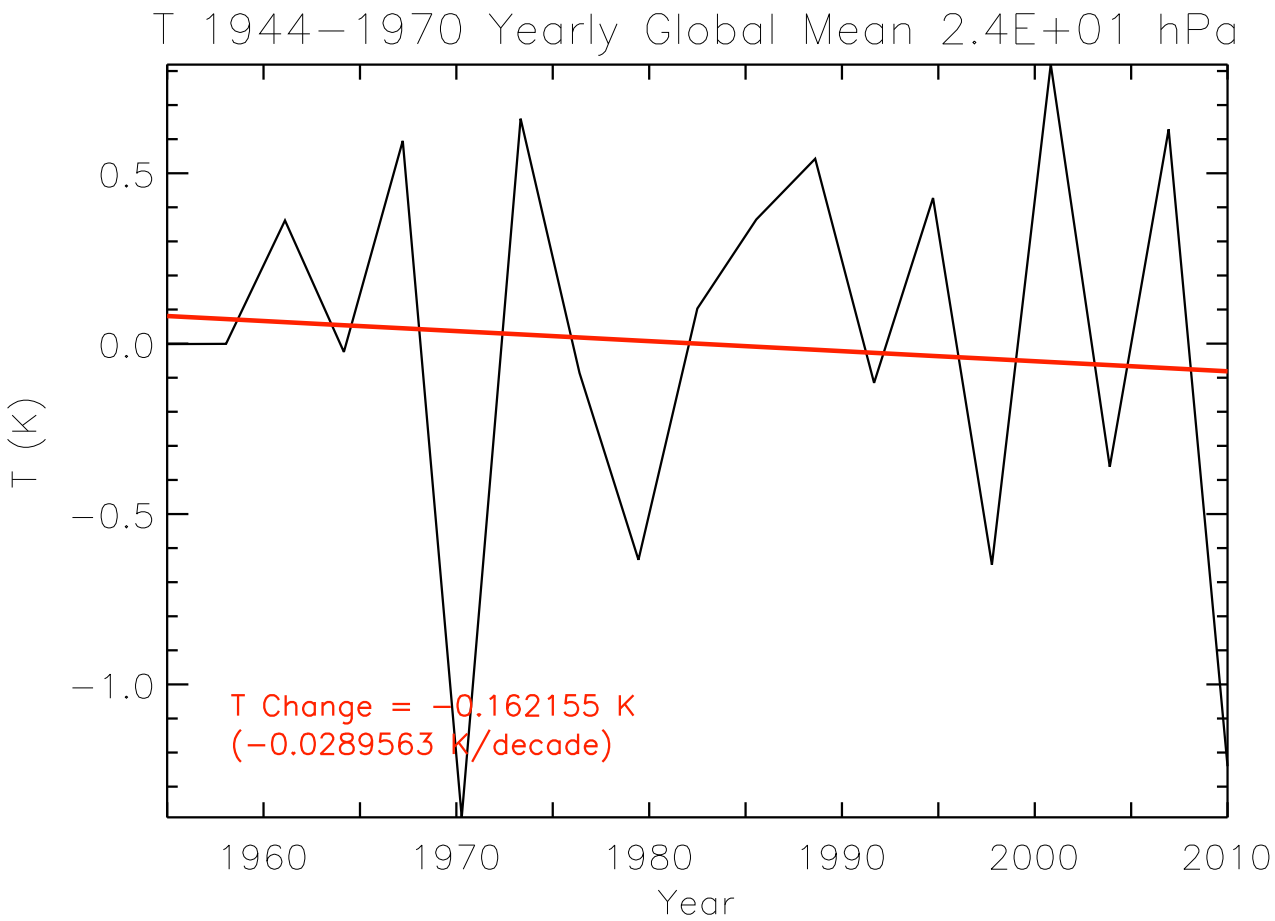

NO 1944–1970 Yearly Global Mean Residuals 1.6E+01 hPa
NO (mol/mol)
5×10⁻¹¹
0
−5×10⁻¹¹
1960
1970
1980
1990
2000
2010
Year

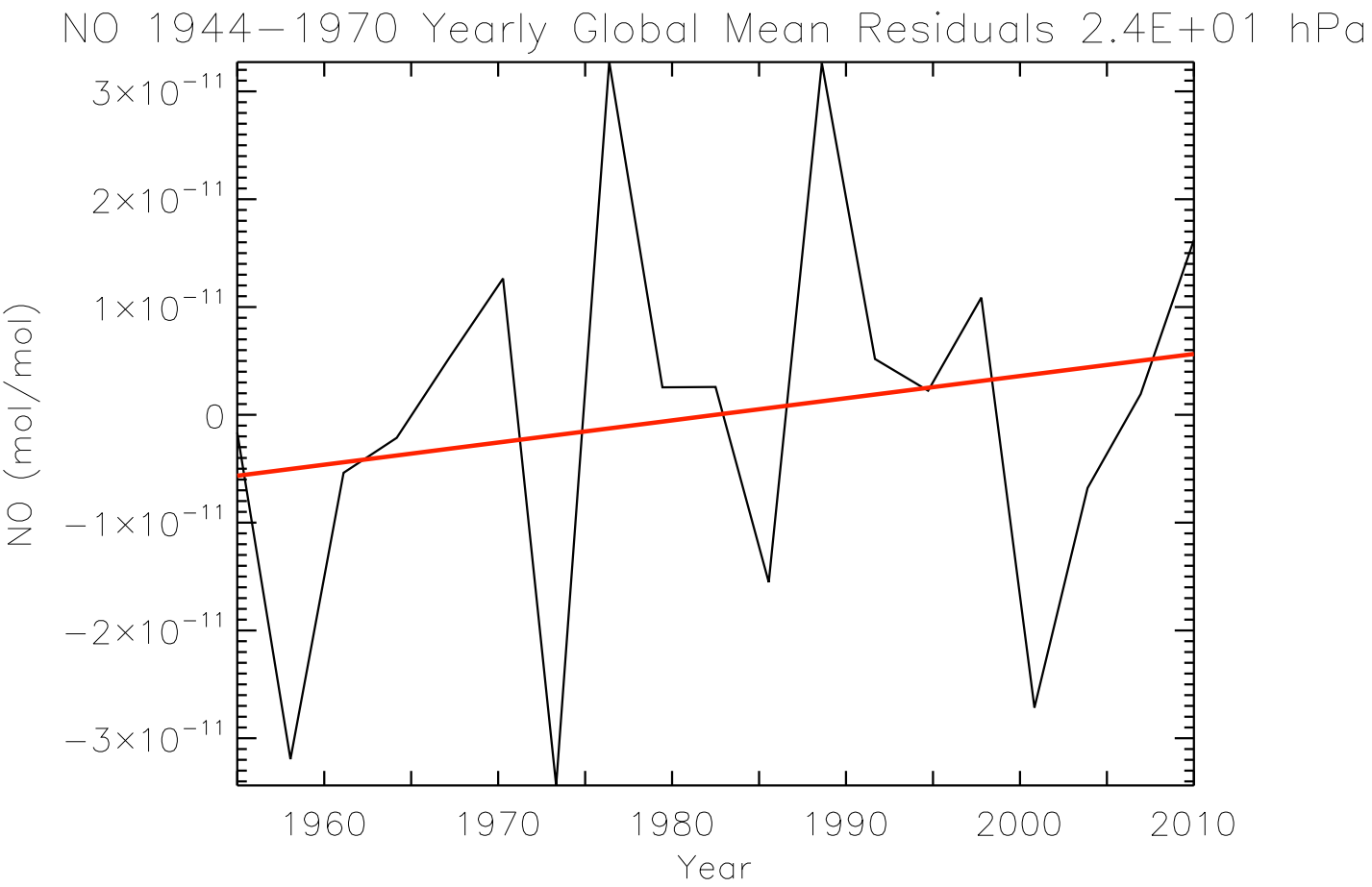

CO2 1944–1970 Yearly Global Mean 2.0E+01 hPa
CO2 % Change = 1.81674%
(0.324417 %/decade)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

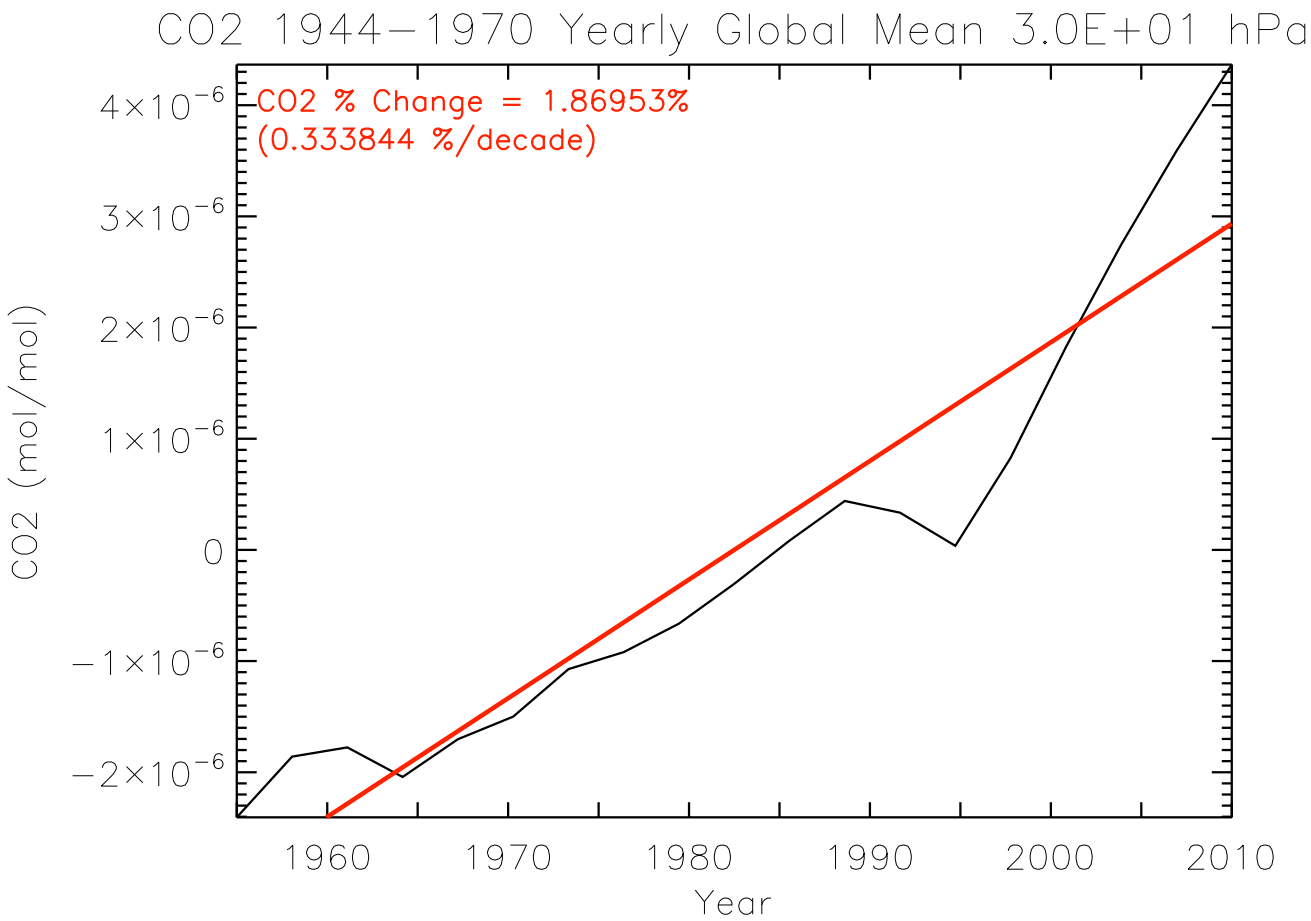

T 1944–1970 Yearly Global Mean 2.0E+01 hPa
0.5
0.0
−0.5
−1.0
T (K)
T Change = −0.114246 K
(−0.0204011 K/decade)
1960
1970
1980
1990
2000
2010
Year

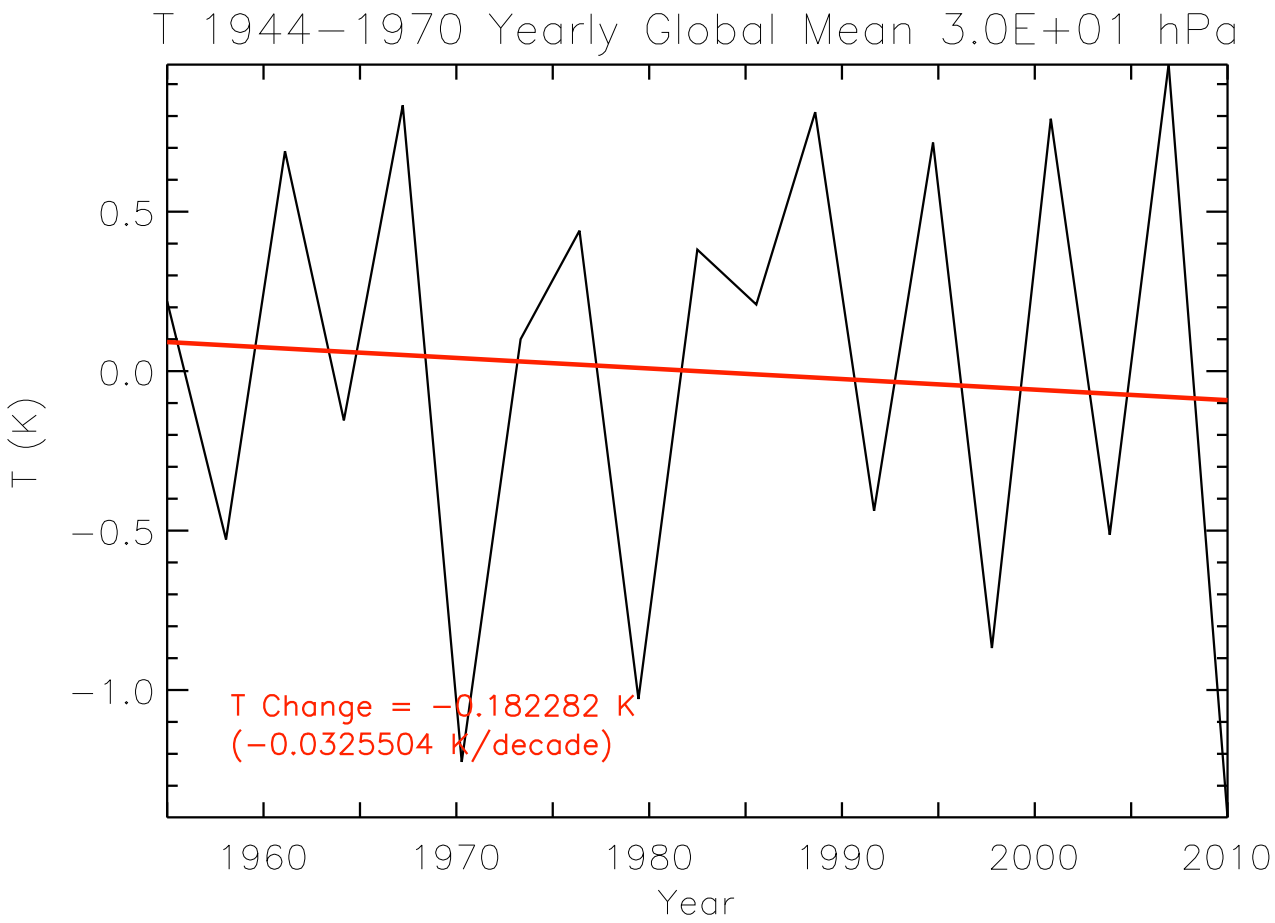

NO 1944–1970 Yearly Global Mean Residuals 2.0E+01 hPa
6×10⁻¹¹
4×10⁻¹¹
2×10⁻¹¹
0
−2×10⁻¹¹
−4×10⁻¹¹
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

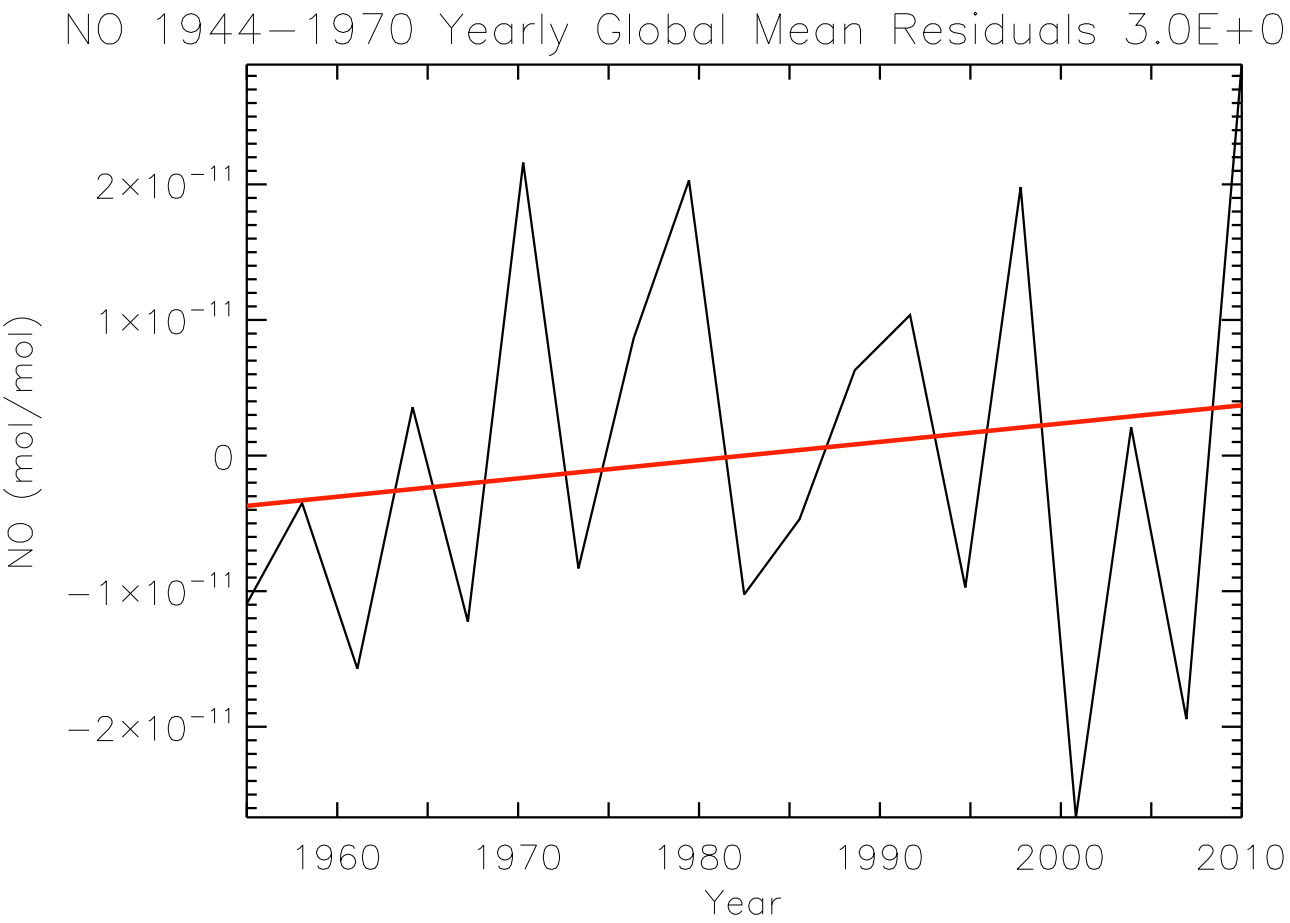

CO2 1944–1970 Yearly Global Mean 2.4E+01 hPa
CO2 % Change = 1.83797%
(0.328210 %/decade)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

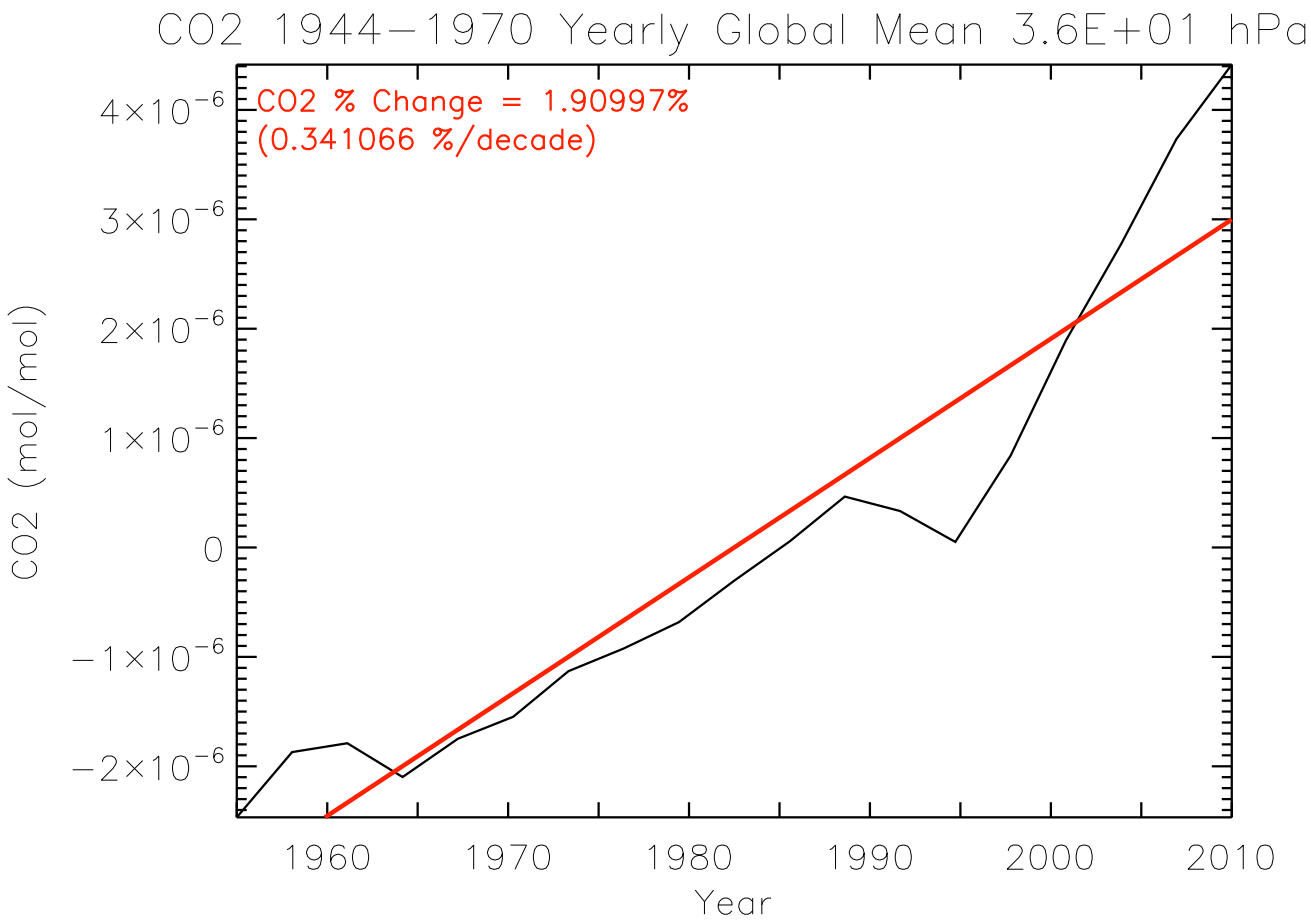

T 1944–1970 Yearly Global Mean 2.4E+01 hPa
0.5
0.0
−0.5
−1.0
T (K)
T Change = −0.162155 K
(−0.0289563 K/decade)
1960
1970
1980
1990
2000
2010
Year

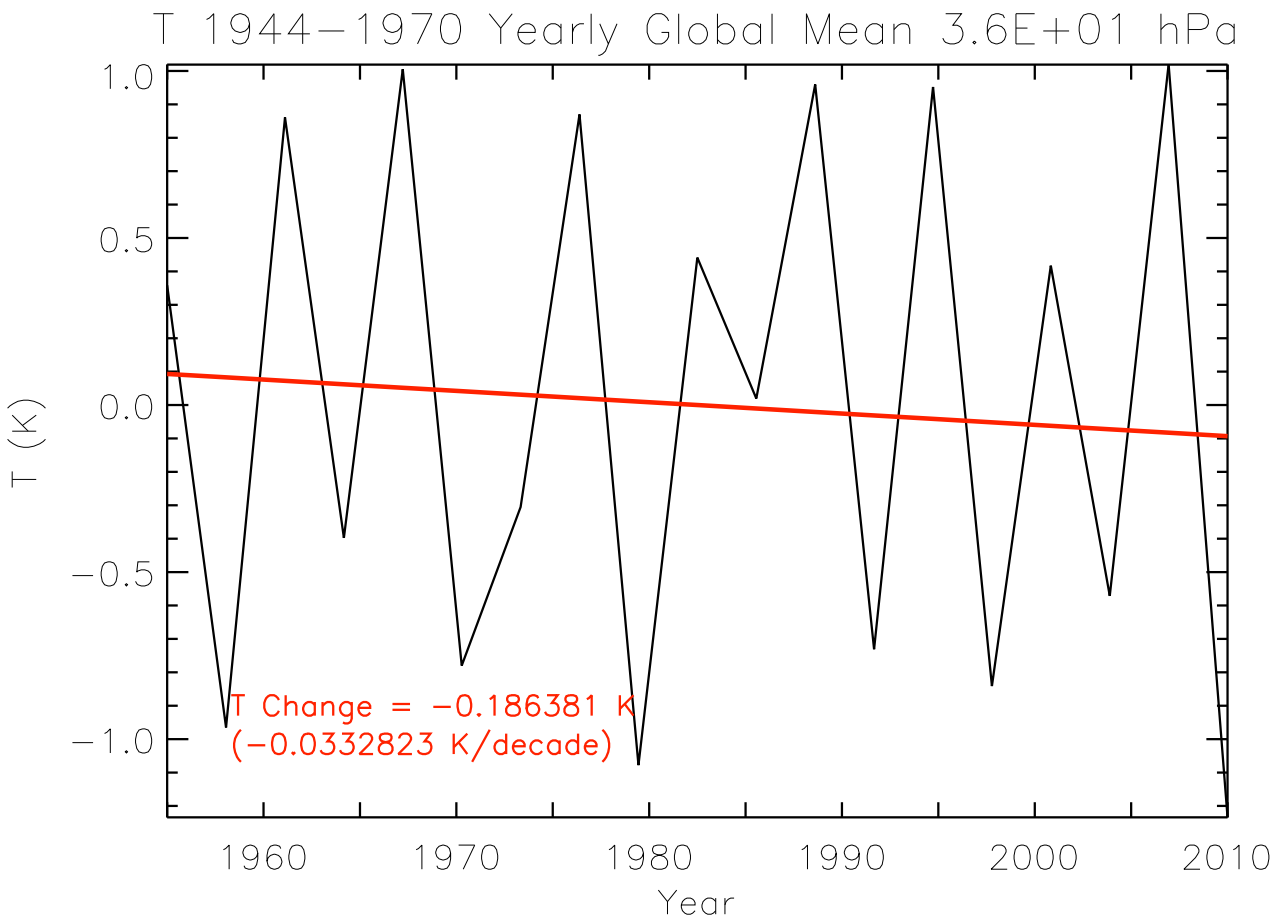

NO 1944–1970 Yearly Global Mean Residuals 2.4E+01 hPa
3×10⁻¹¹
2×10⁻¹¹
1×10⁻¹¹
0
−1×10⁻¹¹
−2×10⁻¹¹
−3×10⁻¹¹
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

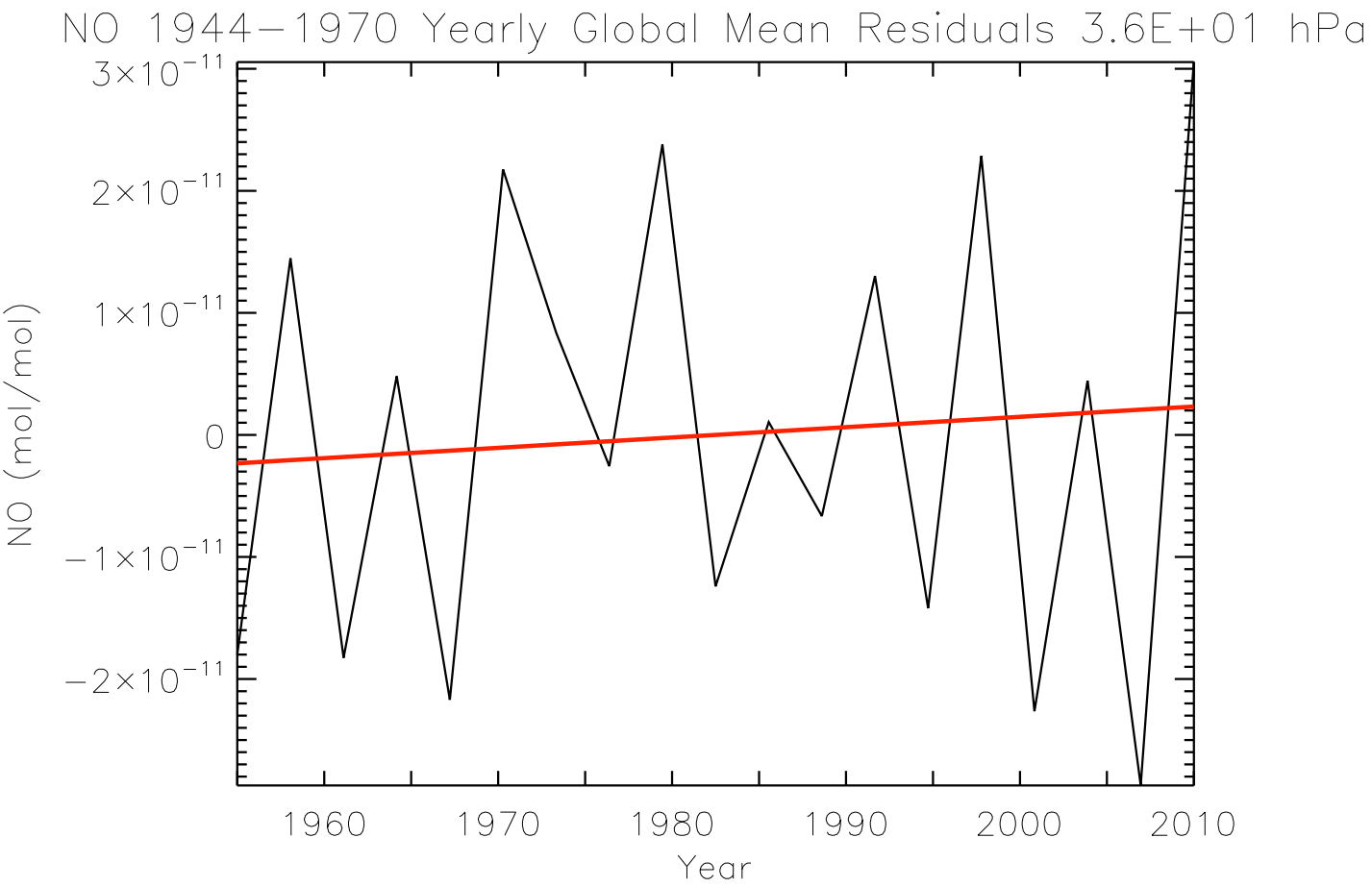

CO2 1944–1970 Yearly Global Mean 3.0E+01 hPa
CO2 % Change = 1.86953%
(0.333844 %/decade)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

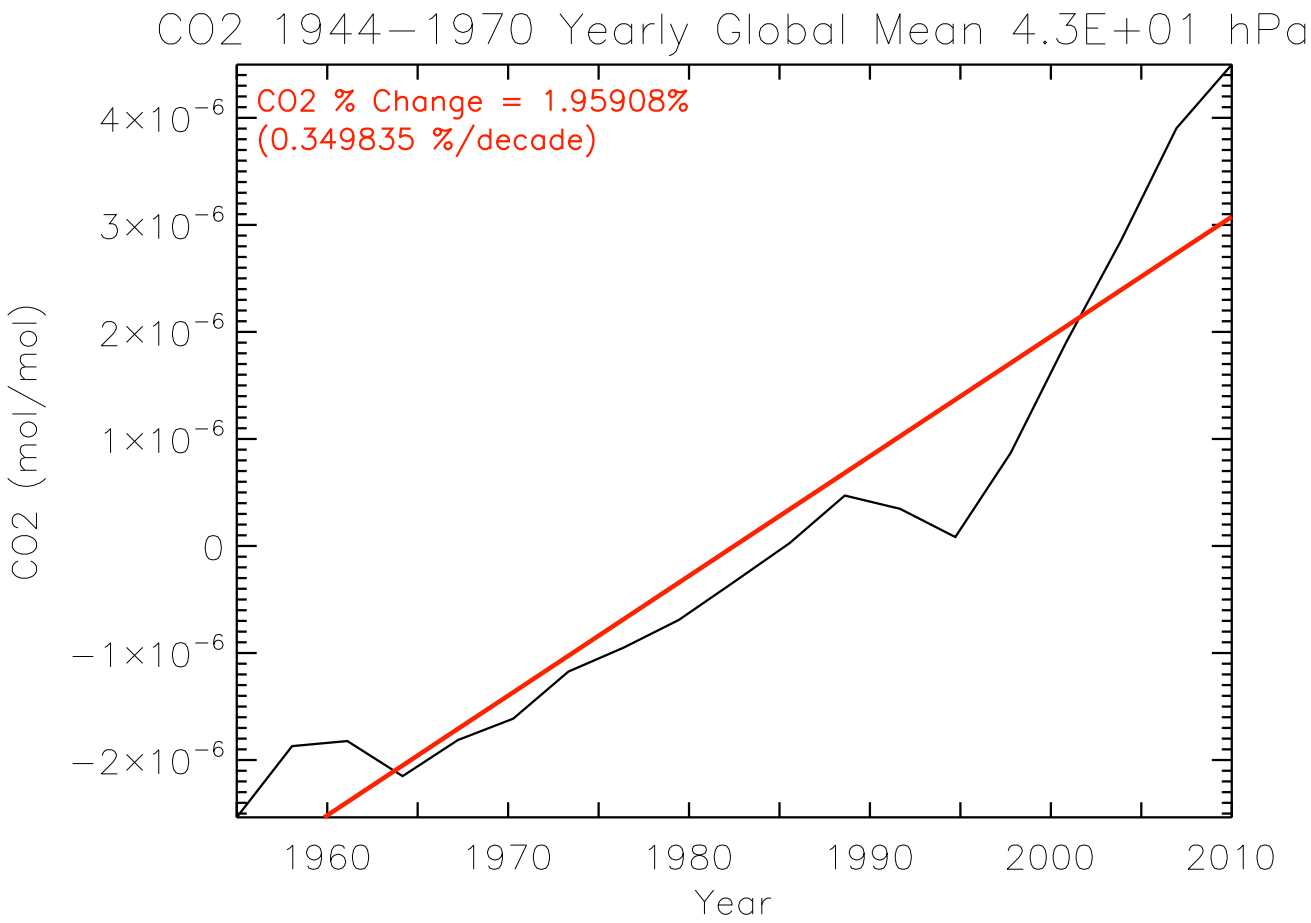

T 1944–1970 Yearly Global Mean 3.0E+01 hPa
0.5
0.0
−0.5
−1.0
T (K)
T Change = −0.182282 K
(−0.0325504 K/decade)
1960
1970
1980
1990
2000
2010
Year

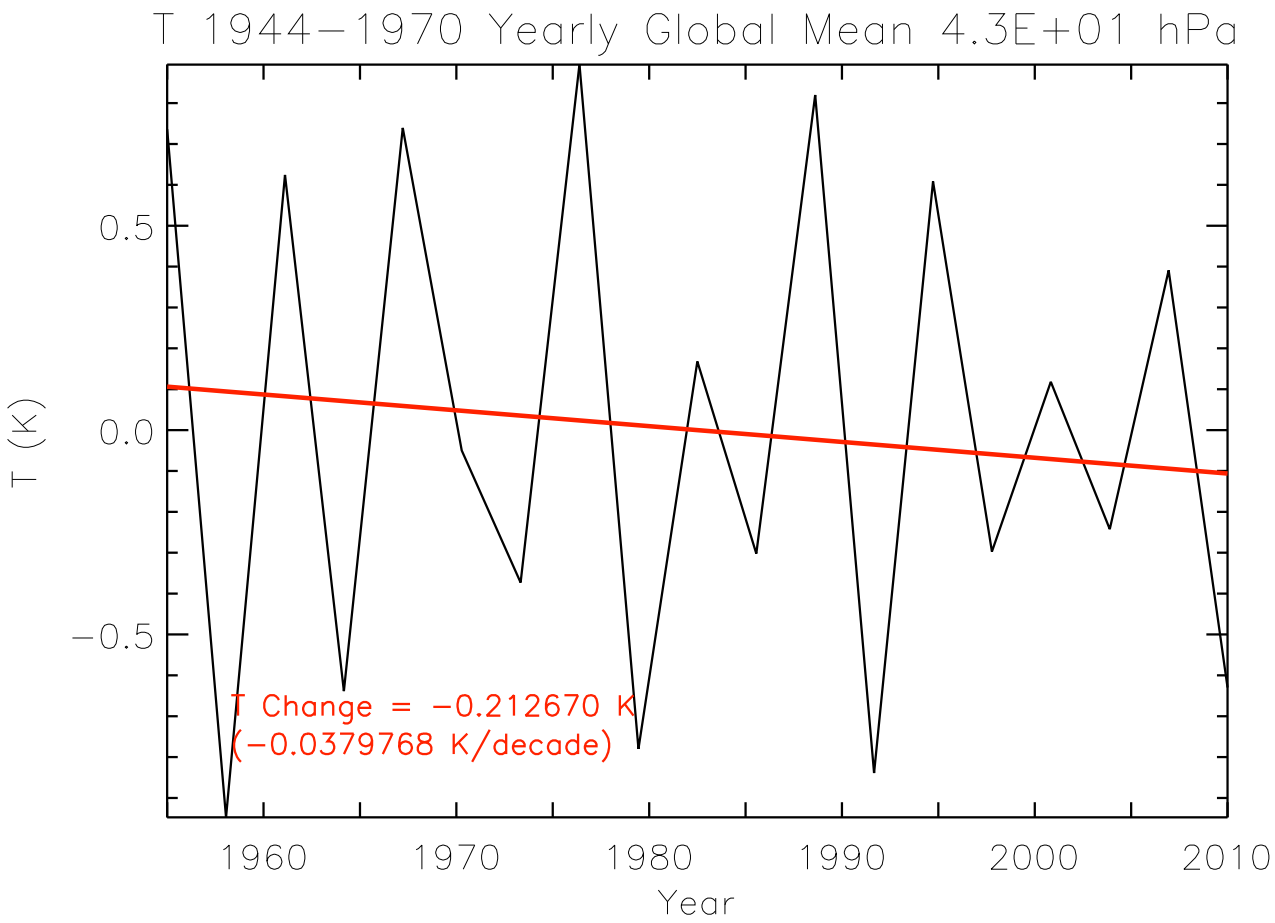

NO 1944–1970 Yearly Global Mean Residuals 3.0E+01 hPa
NO (mol/mol)
2×10⁻¹¹
1×10⁻¹¹
0
−1×10⁻¹¹
−2×10⁻¹¹
1960
1970
1980
1990
2000
2010
Year

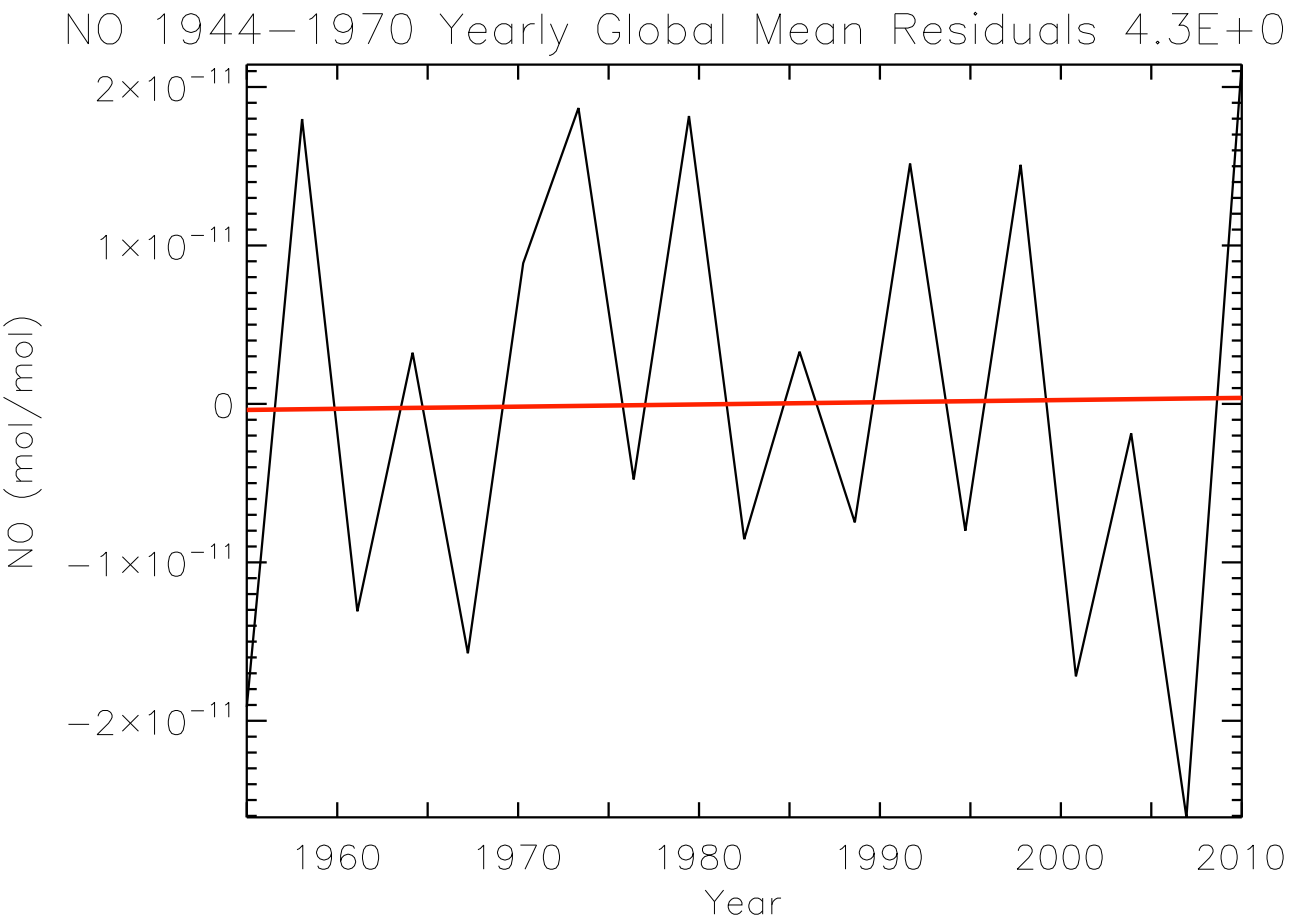

CO2 1944–1970 Yearly Global Mean 3.6E+01 hPa
CO2 % Change = 1.90997%
(0.341066 %/decade)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

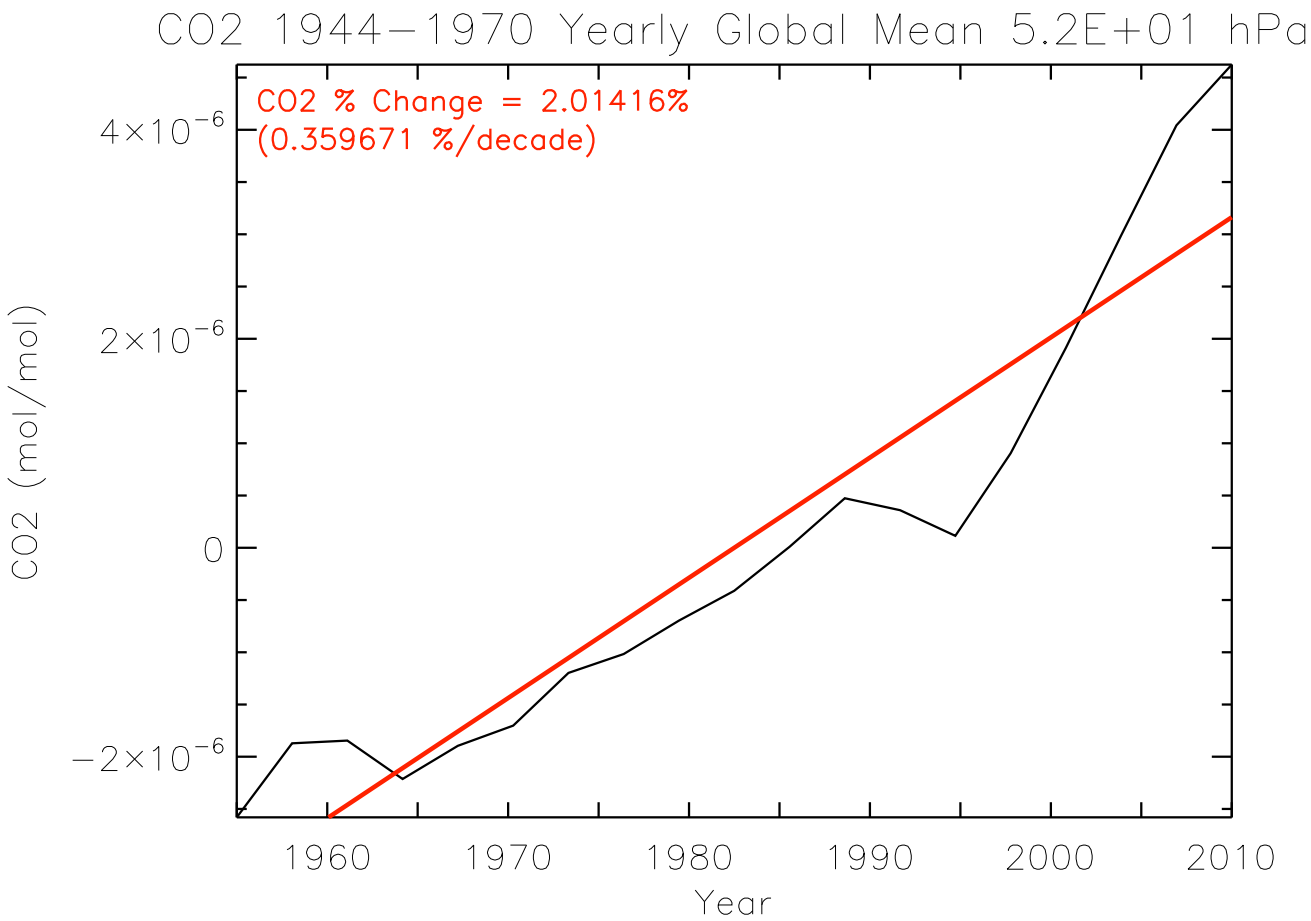

T 1944–1970 Yearly Global Mean 3.6E+01 hPa
1.0
0.5
0.0
−0.5
−1.0
T (K)
T Change = −0.186381 K
(−0.0332823 K/decade)
1960
1970
1980
1990
2000
2010
Year

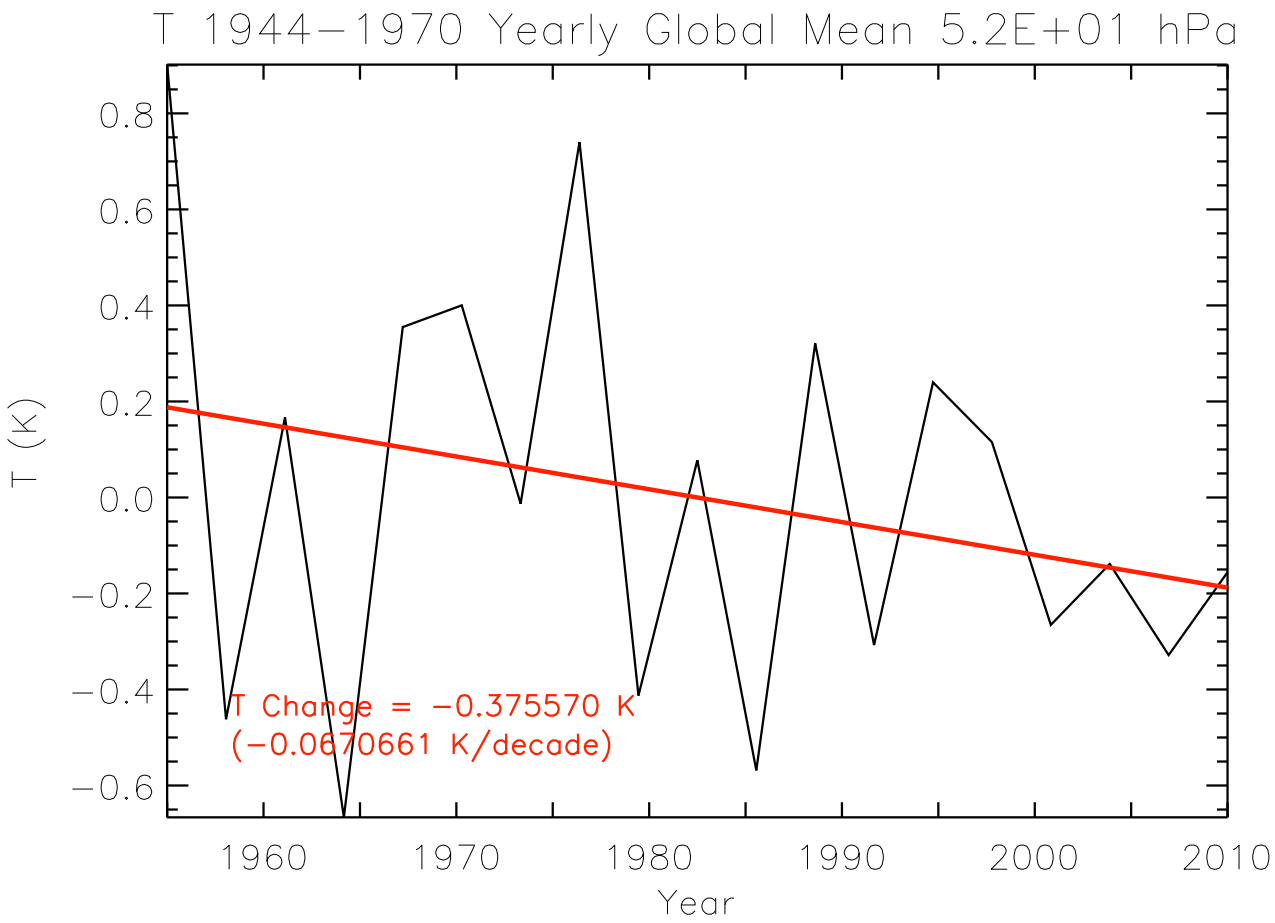

NO 1944–1970 Yearly Global Mean Residuals 3.6E+01 hPa
3×10⁻¹¹
2×10⁻¹¹
1×10⁻¹¹
0
−1×10⁻¹¹
−2×10⁻¹¹
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

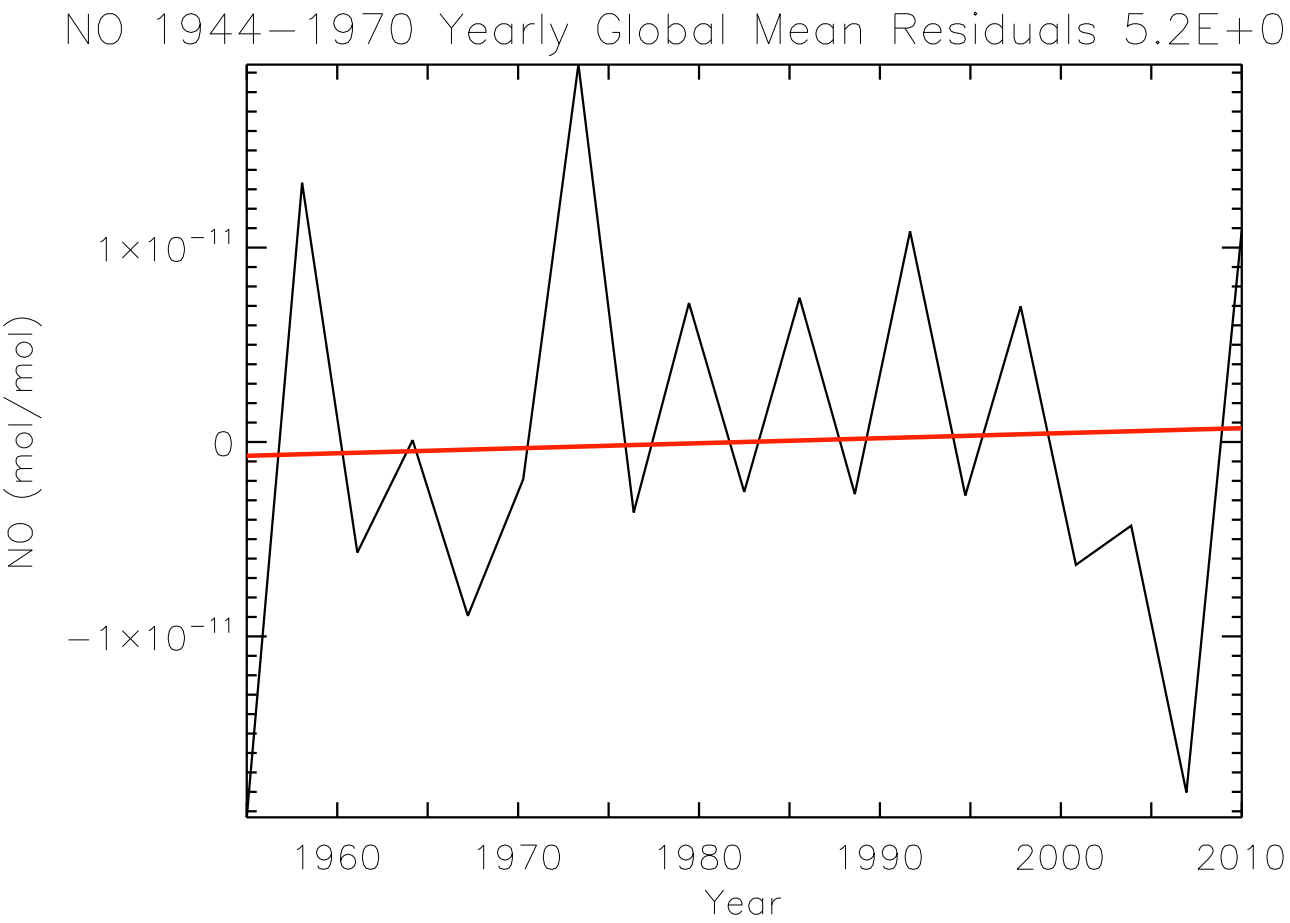

CO2 1944–1970 Yearly Global Mean 4.3E+01 hPa
CO2 % Change = 1.95908%
(0.349835 %/decade)
4×10⁻⁶
3×10⁻⁶
2×10⁻⁶
1×10⁻⁶
0
−1×10⁻⁶
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

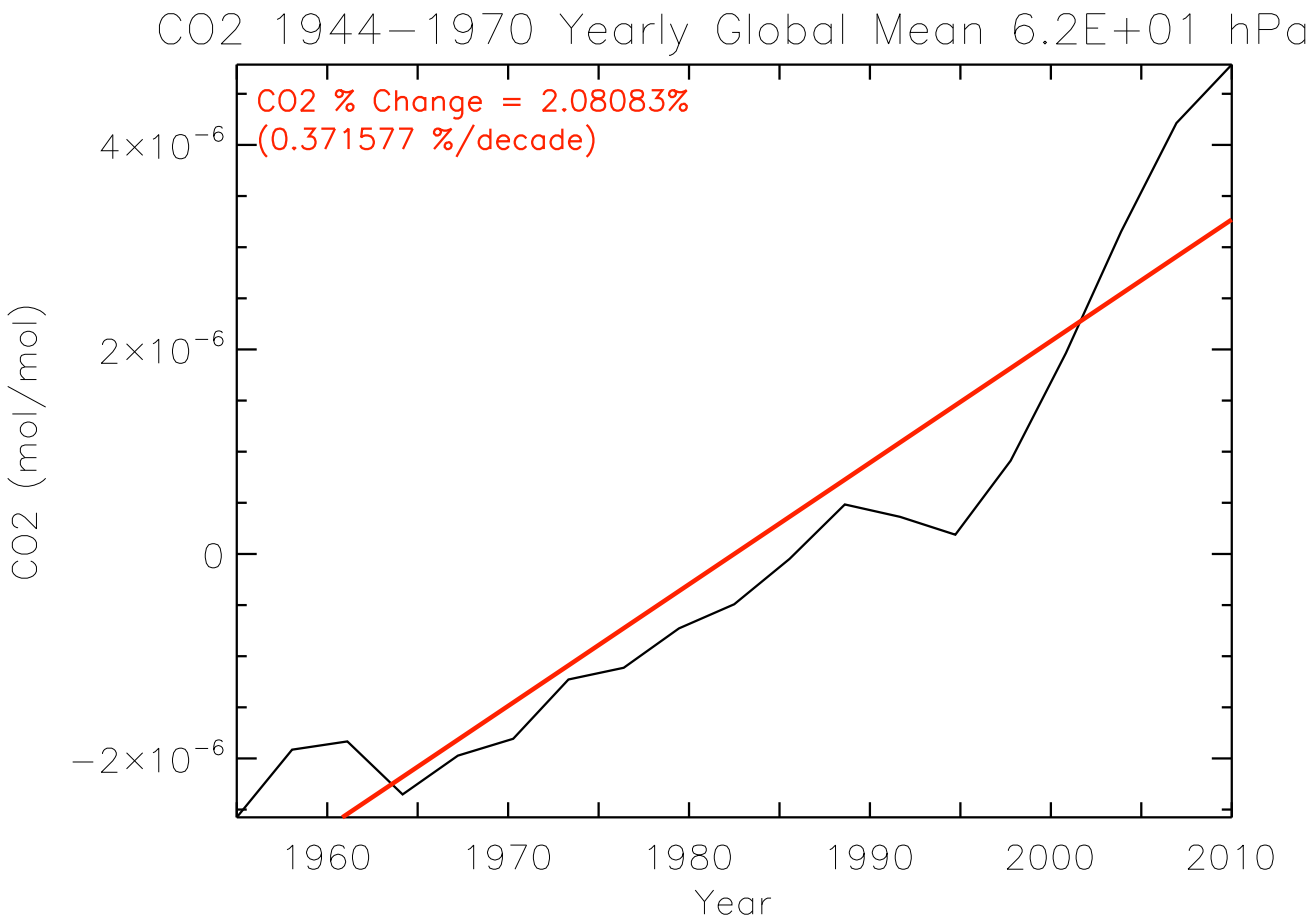

T 1944–1970 Yearly Global Mean 4.3E+01 hPa
0.5
0.0
−0.5
T (K)
T Change = −0.212670 K
(−0.0379768 K/decade)
1960
1970
1980
1990
2000
2010
Year

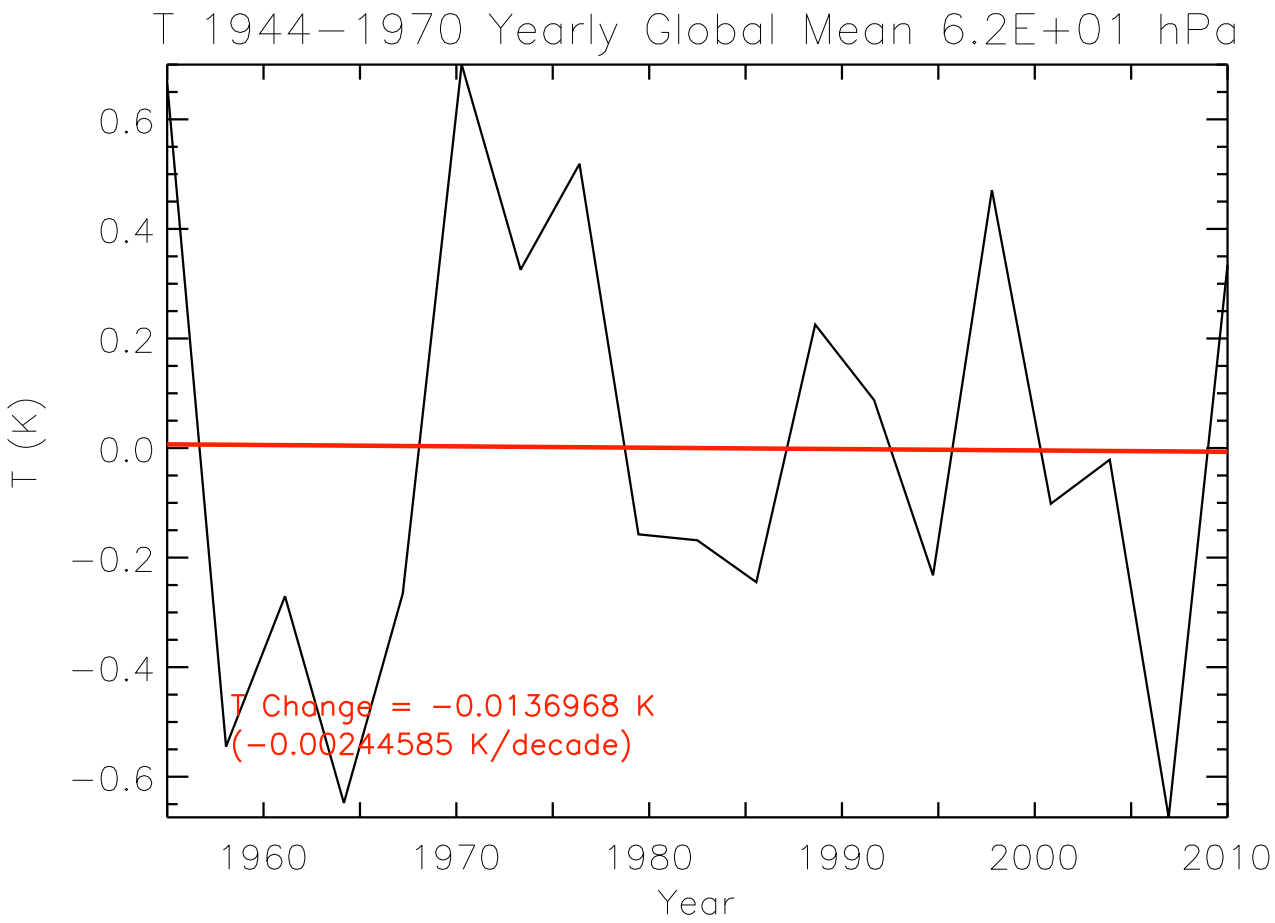

NO 1944–1970 Yearly Global Mean Residuals 4.3E+01 hPa
2×10⁻¹¹
1×10⁻¹¹
0
−1×10⁻¹¹
−2×10⁻¹¹
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

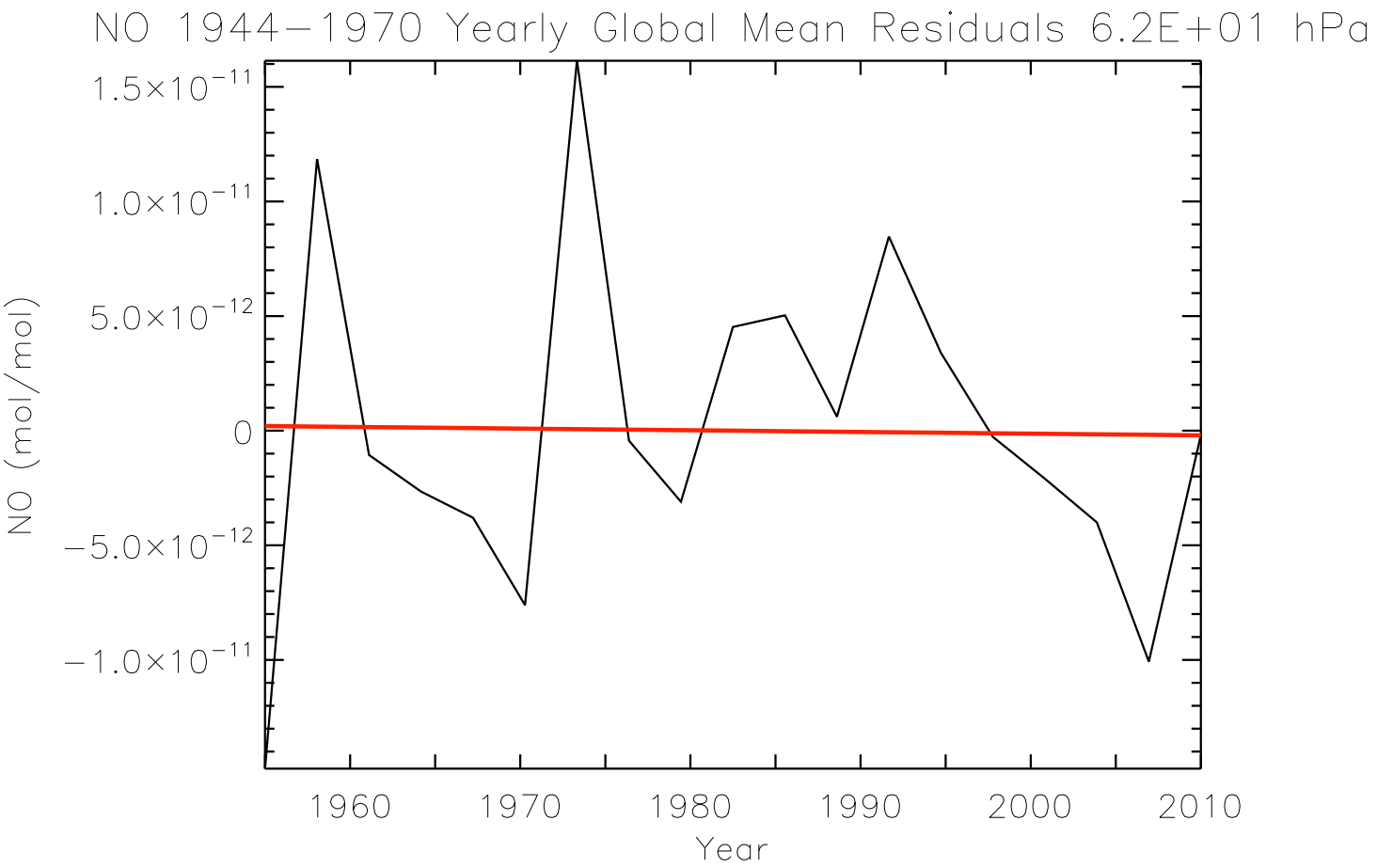

CO2 1944–1970 Yearly Global Mean 5.2E+01 hPa
CO2 % Change = 2.01416%
(0.359671 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

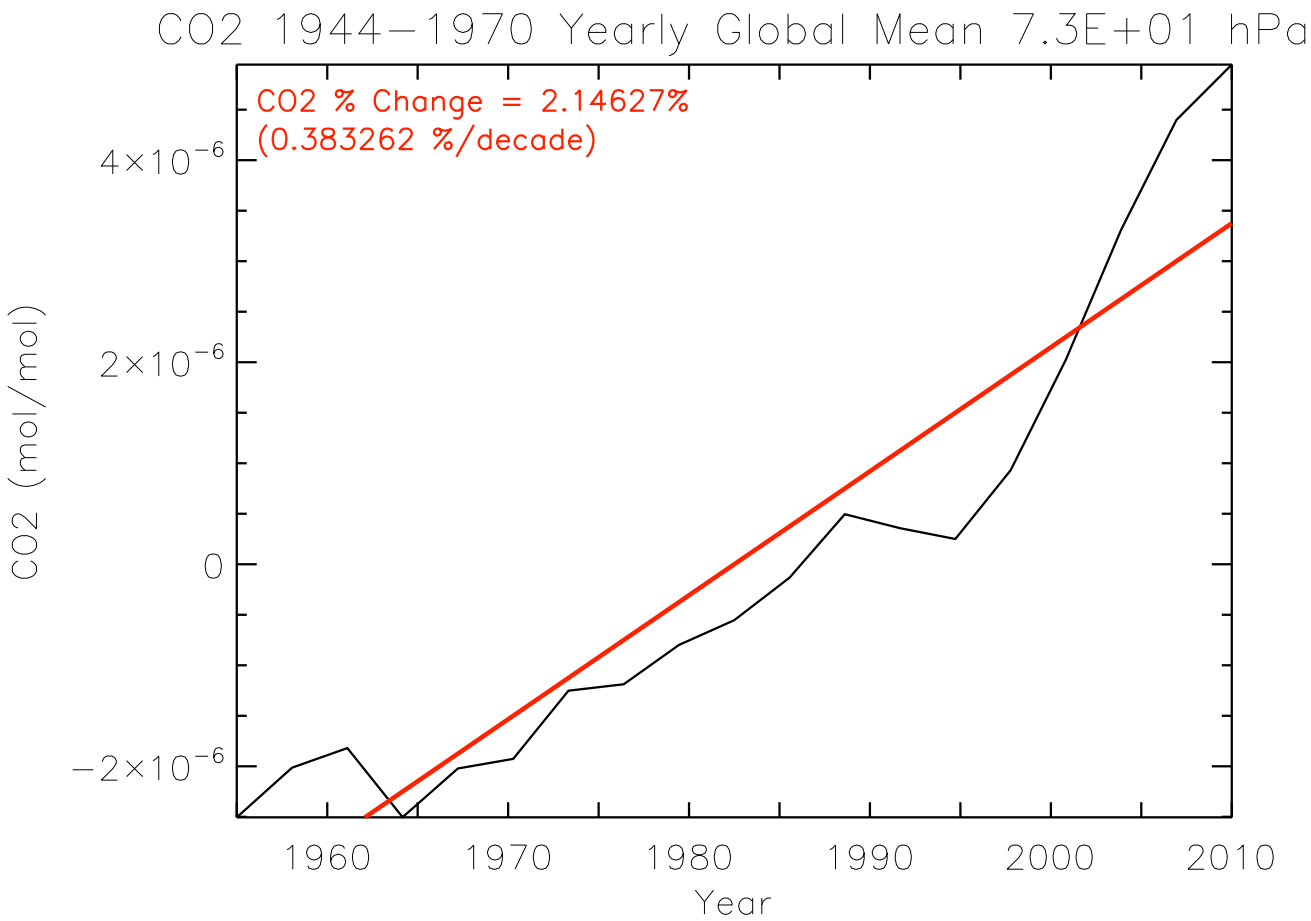

T 1944–1970 Yearly Global Mean 5.2E+01 hPa
T (K)
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
T Change = −0.375570 K
(−0.0670661 K/decade)
1960
1970
1980
1990
2000
2010
Year

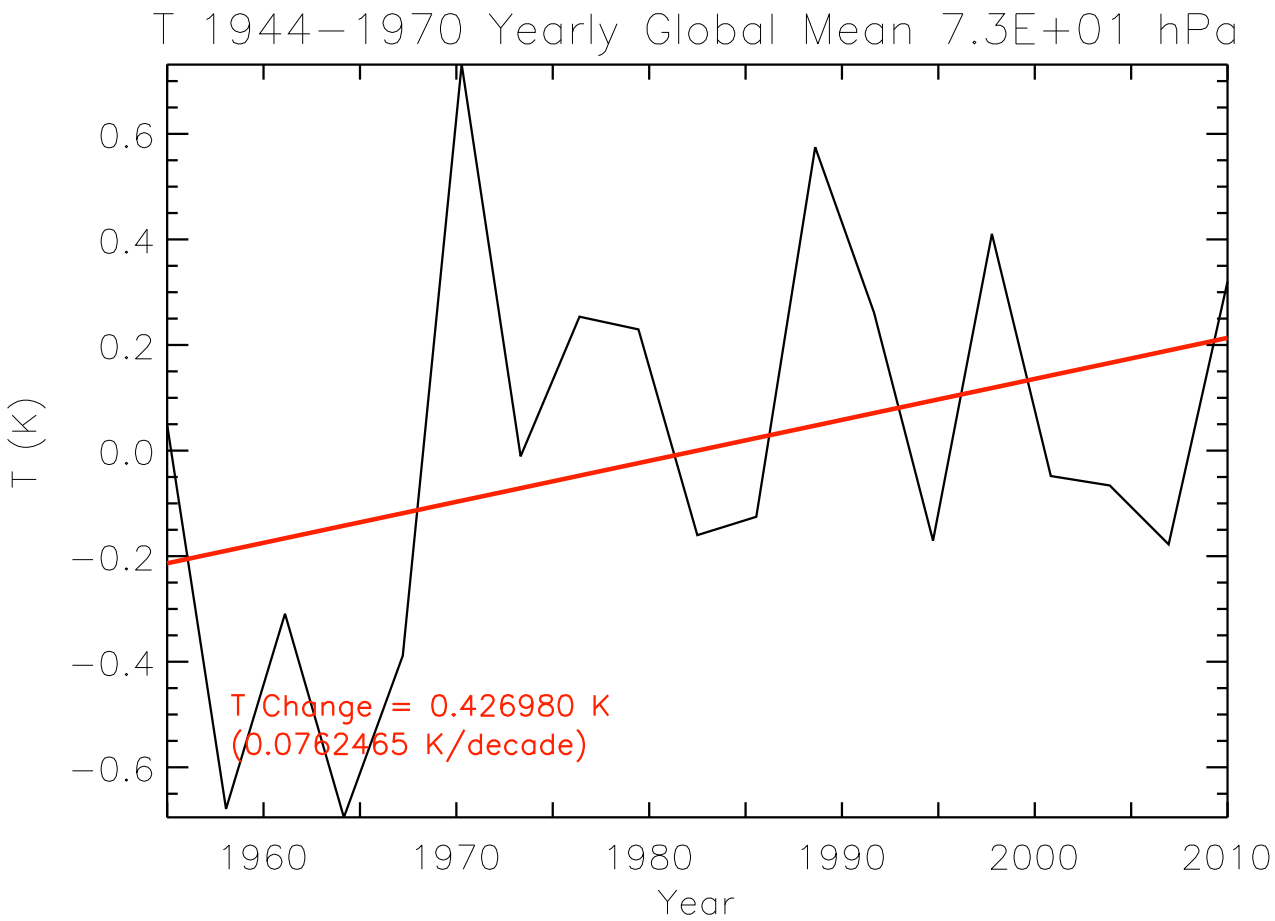

NO 1944–1970 Yearly Global Mean Residuals 5.2E+01 hPa
1×10⁻¹¹
0
−1×10⁻¹¹
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

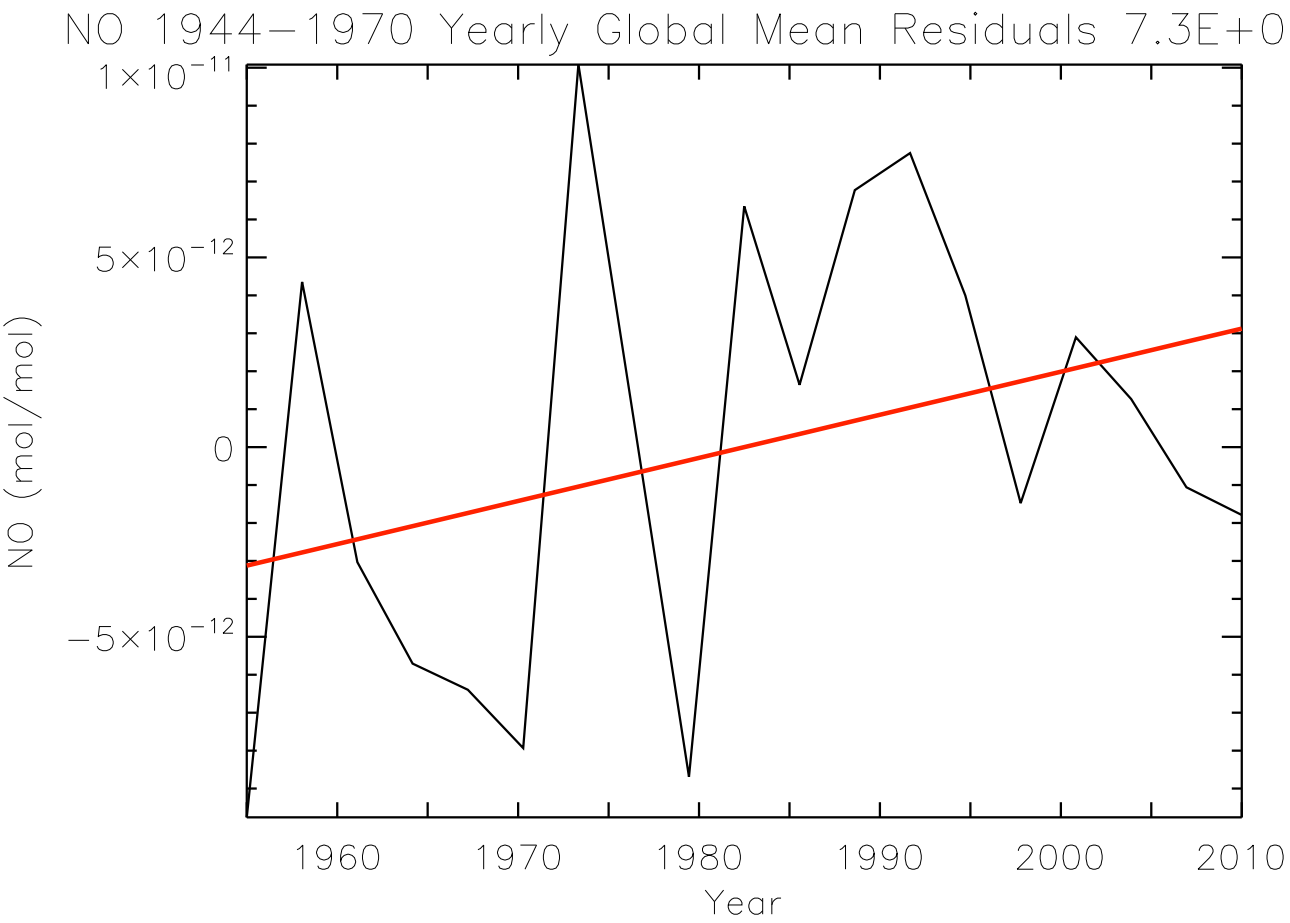

CO2 1944–1970 Yearly Global Mean 6.2E+01 hPa
CO2 % Change = 2.08083%
(0.371577 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

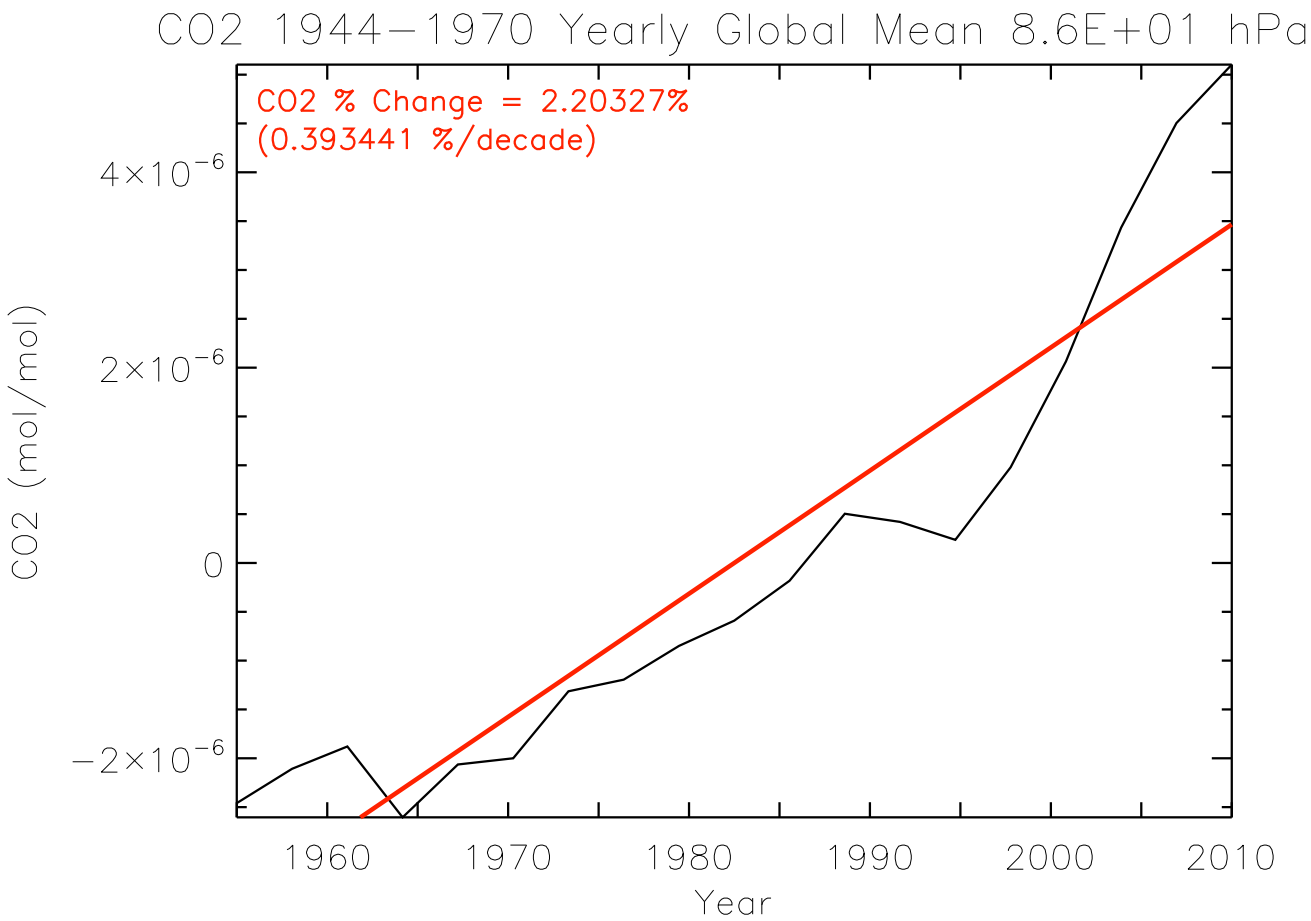

T 1944–1970 Yearly Global Mean 6.2E+01 hPa
T (K)
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
T Change = −0.0136968 K
(−0.00244585 K/decade)
1960
1970
1980
1990
2000
2010
Year

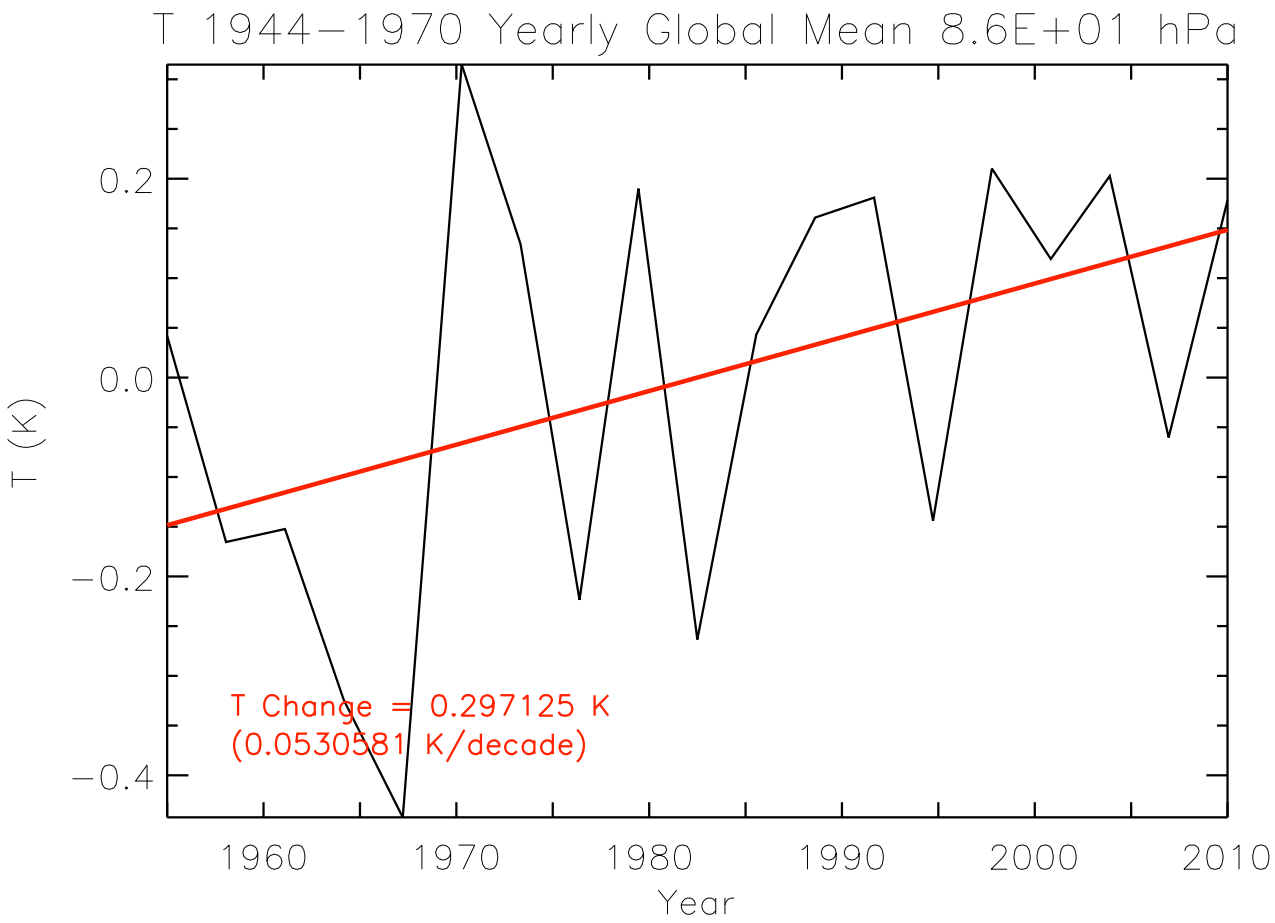

NO 1944–1970 Yearly Global Mean Residuals 6.2E+01 hPa
1.5×10−11
1.0×10−11
5.0×10−12
0
−5.0×10−12
−1.0×10−11
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

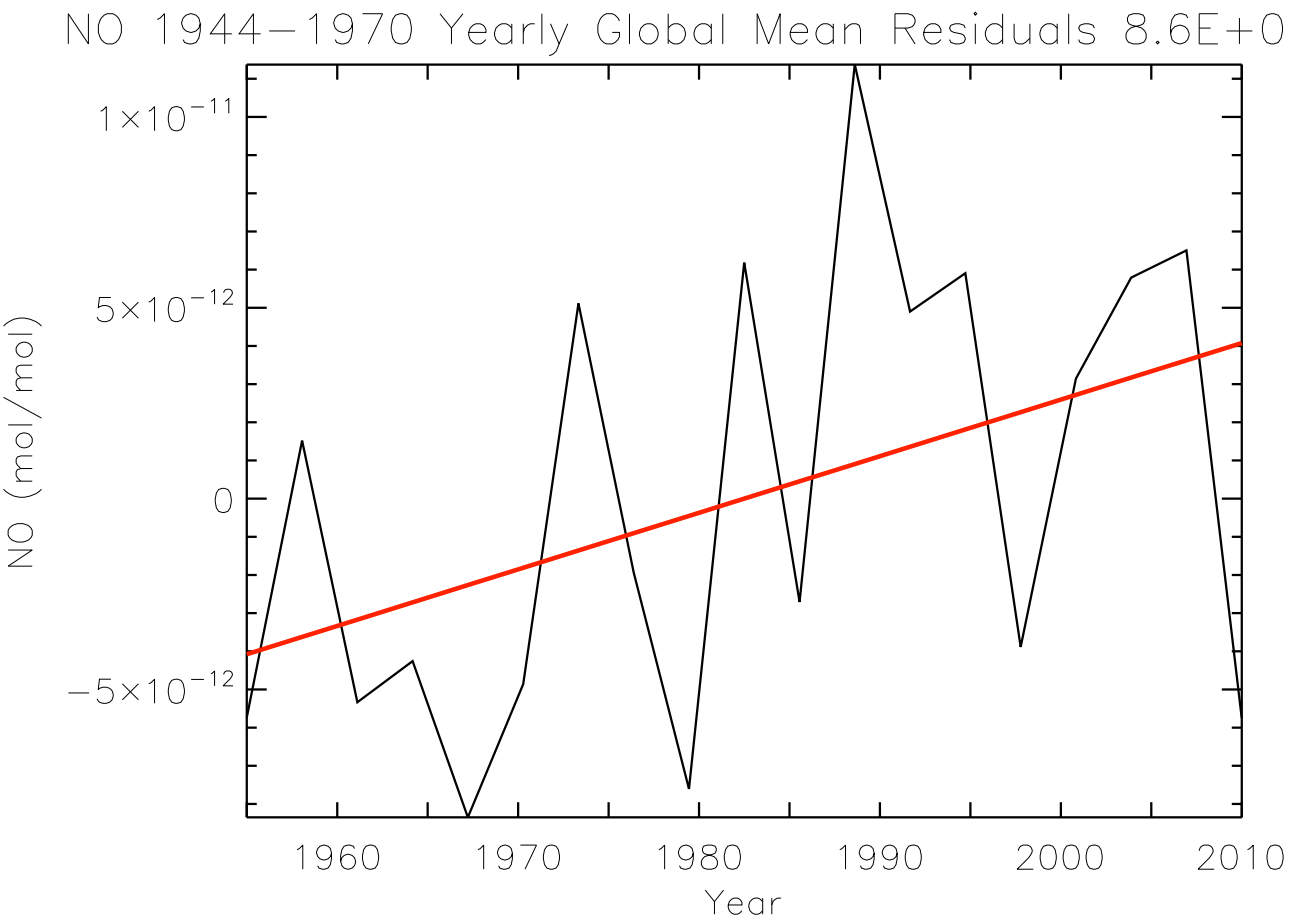

CO2 1944–1970 Yearly Global Mean 7.3E+01 hPa
CO2 % Change = 2.14627%
(0.383262 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

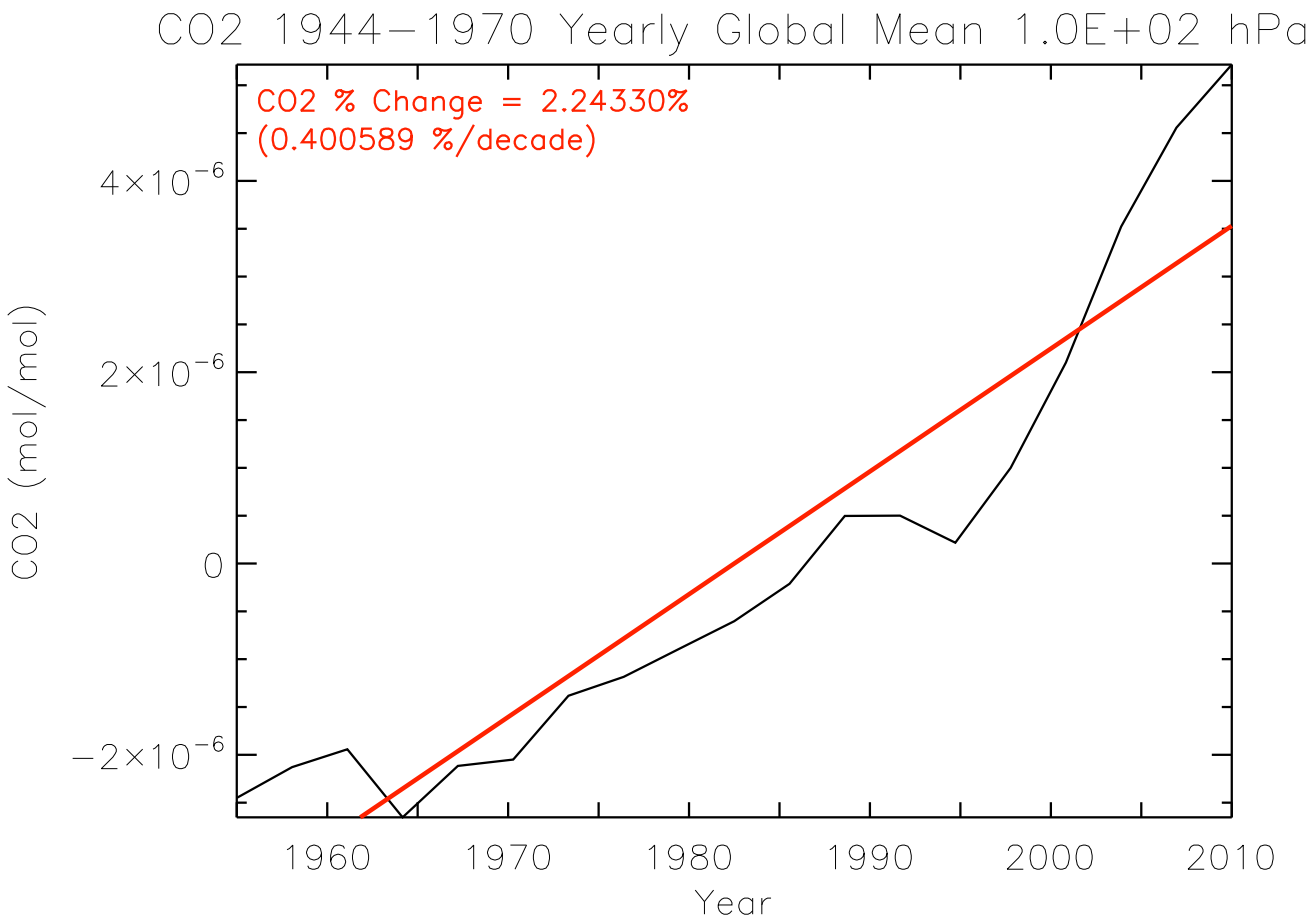

T 1944–1970 Yearly Global Mean 7.3E+01 hPa
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
T (K)
T Change = 0.426980 K
(0.0762465 K/decade)
1960
1970
1980
1990
2000
2010
Year

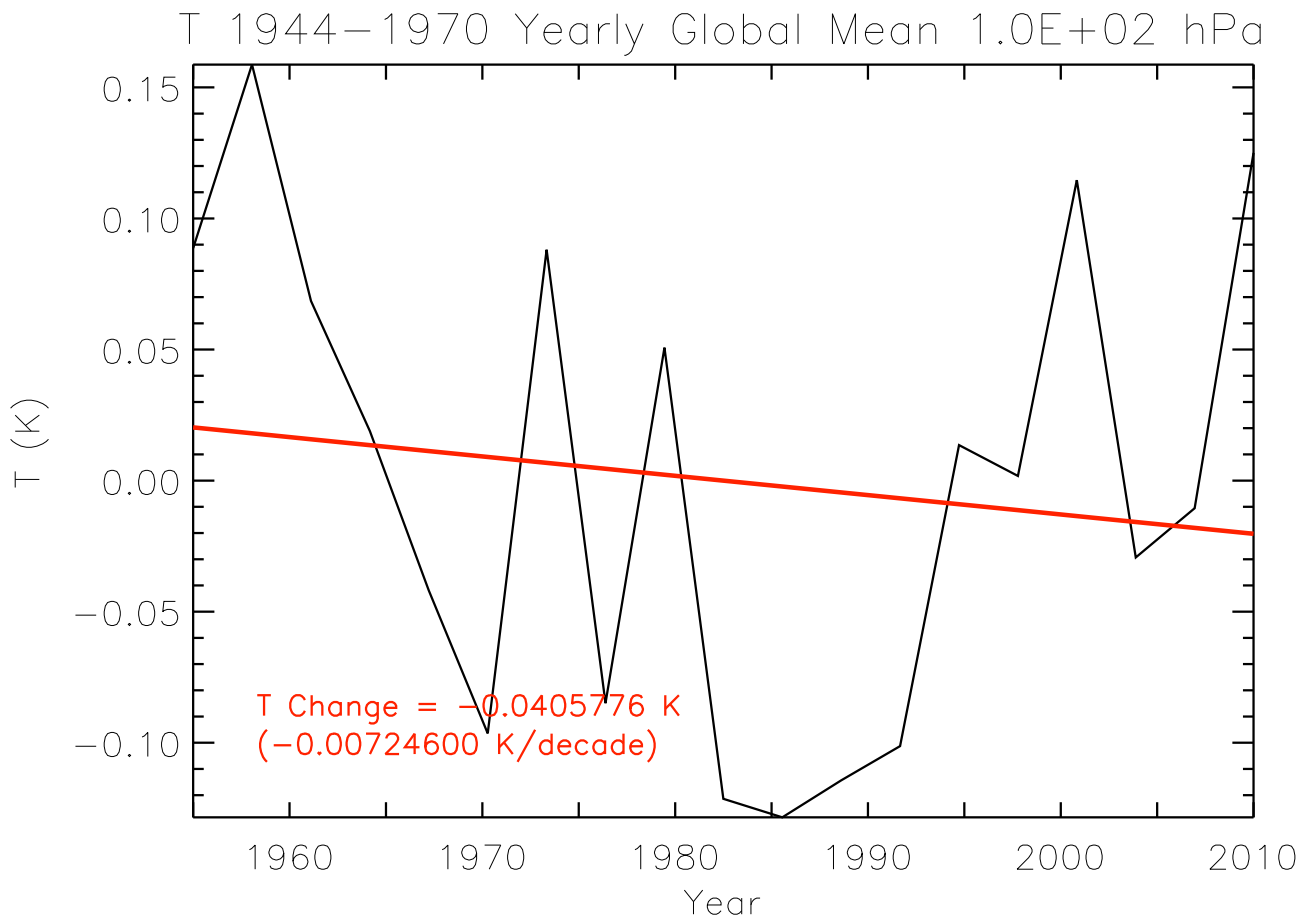

NO 1944–1970 Yearly Global Mean Residuals 7.3E+01 hPa
1×10⁻¹¹
5×10⁻¹²
0
−5×10⁻¹²
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

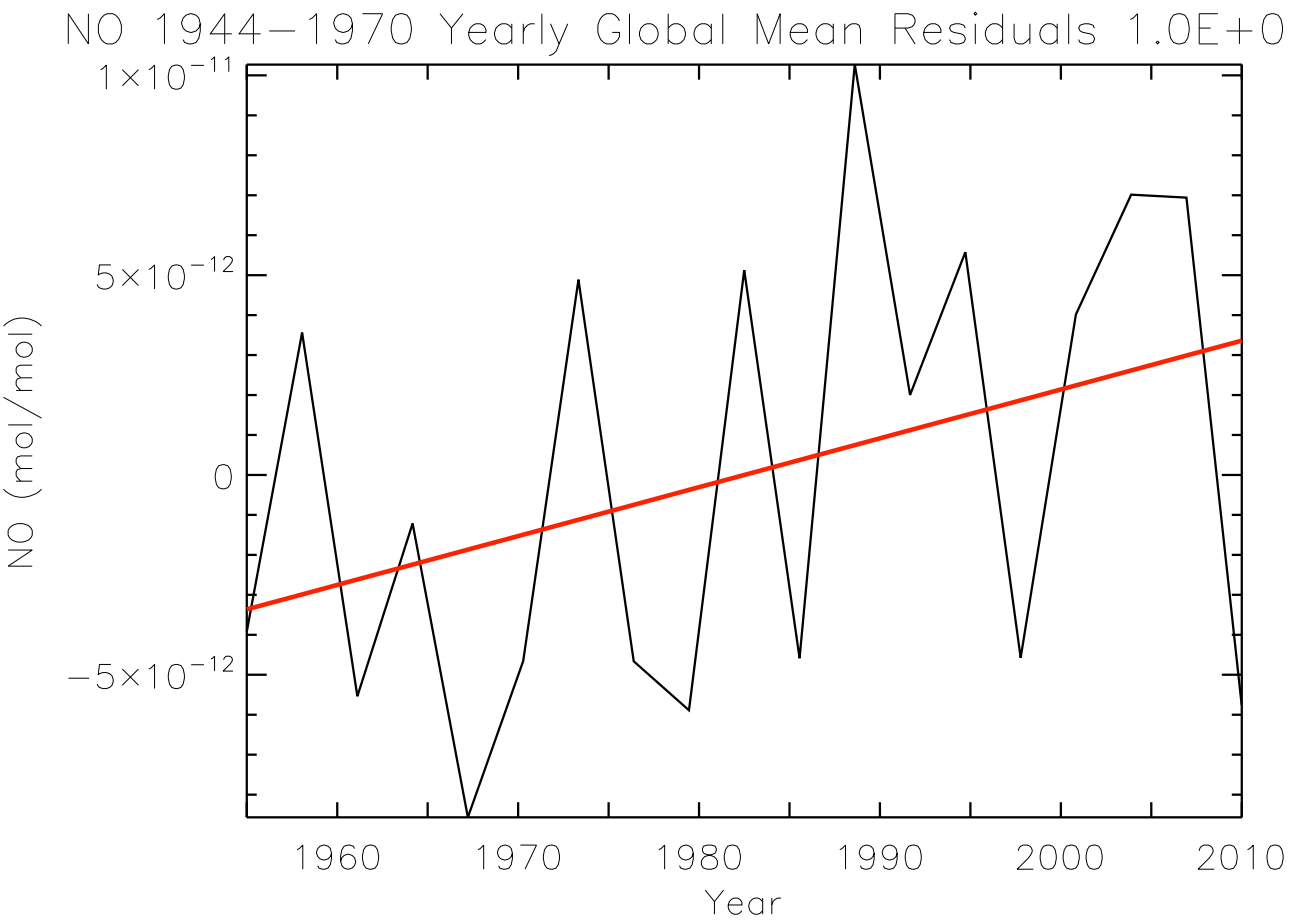

CO2 1944–1970 Yearly Global Mean 8.6E+01 hPa
CO2 % Change = 2.20327%
(0.393441 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

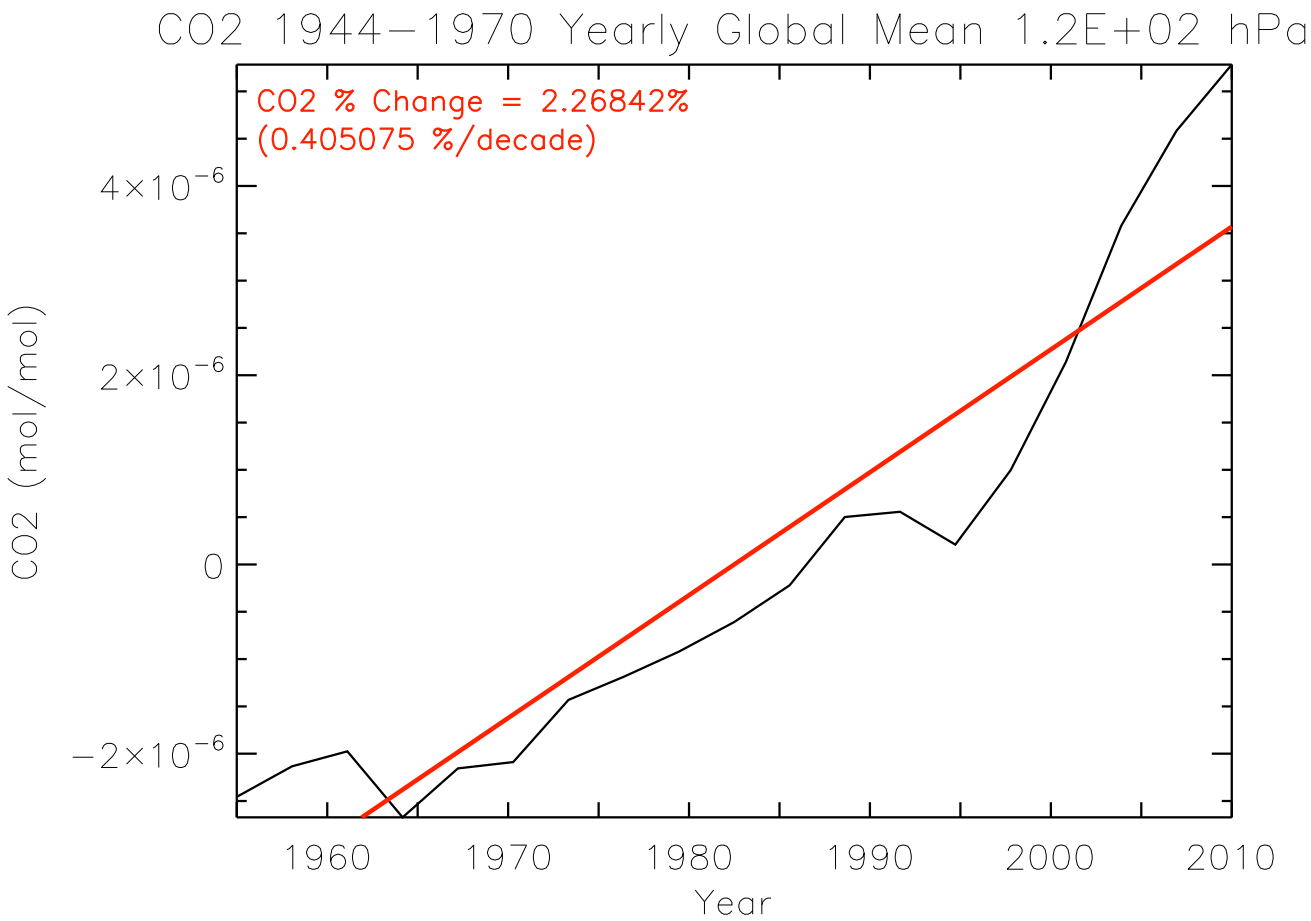

T 1944–1970 Yearly Global Mean 8.6E+01 hPa
0.2
0.0
−0.2
−0.4
T (K)
T Change = 0.297125 K
(0.0530581 K/decade)
1960
1970
1980
1990
2000
2010
Year

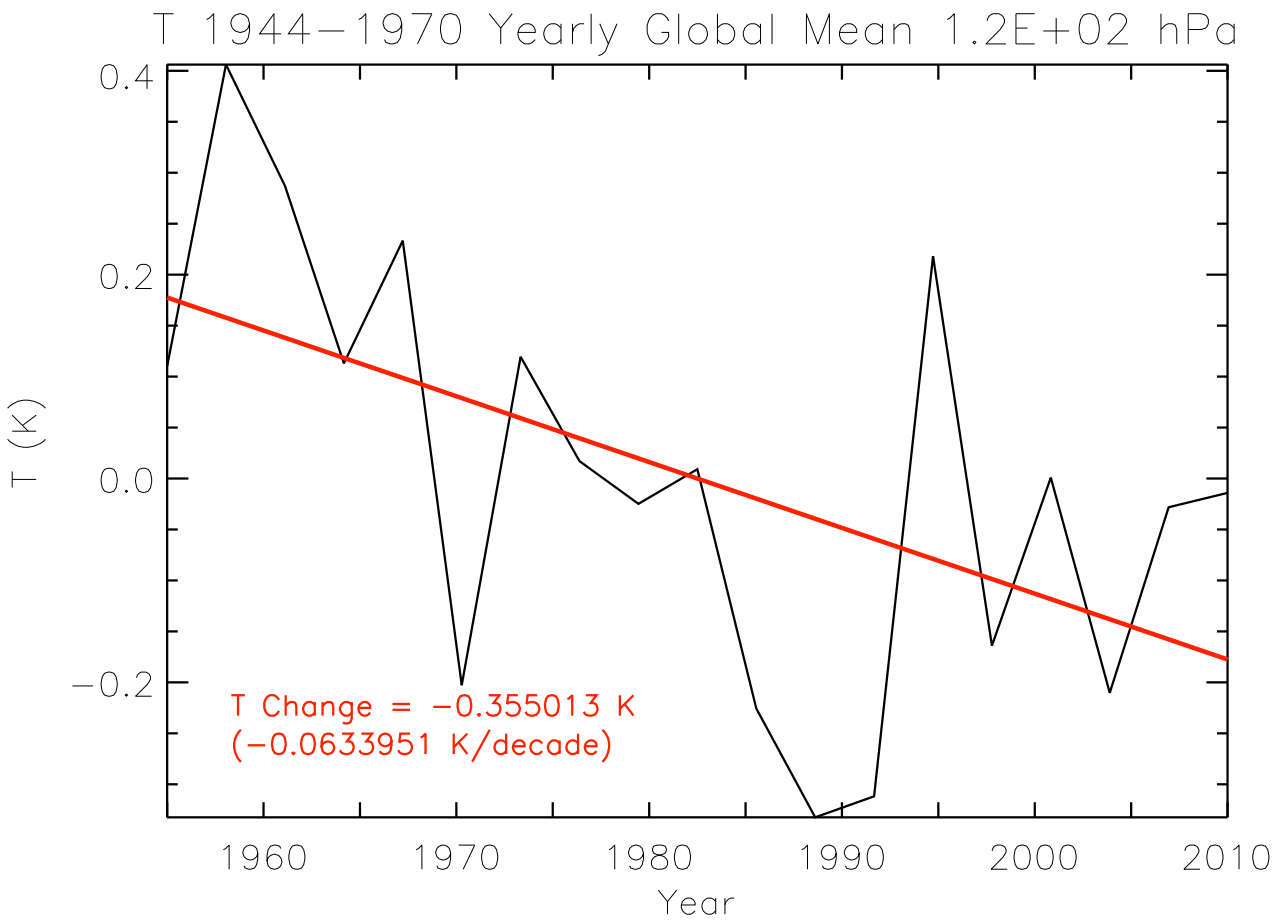

NO 1944–1970 Yearly Global Mean Residuals 8.6E+01 hPa
1×10⁻¹¹
5×10⁻¹²
0
−5×10⁻¹²
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

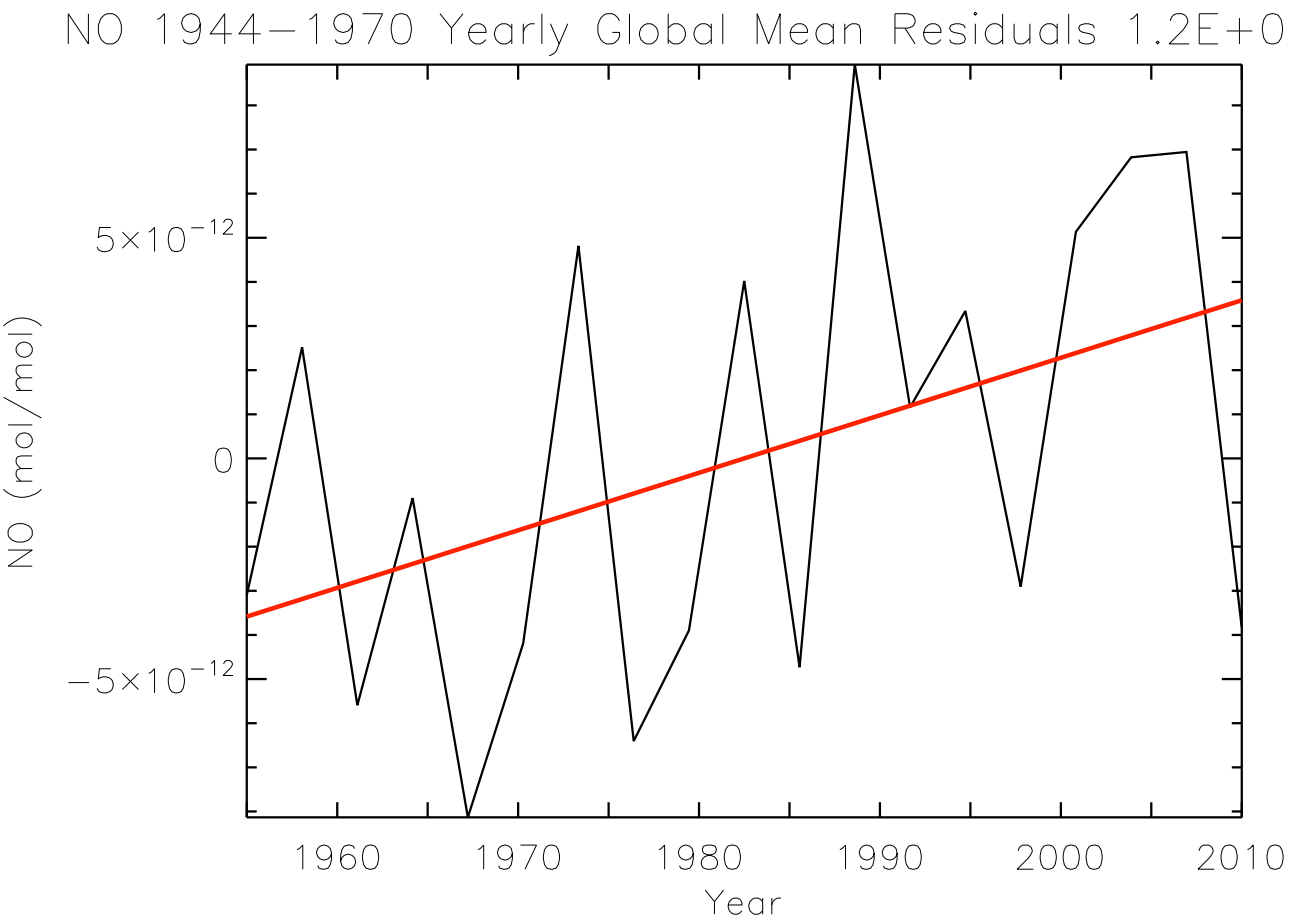

CO2 1944–1970 Yearly Global Mean 1.0E+02 hPa
CO2 % Change = 2.24330%
(0.400589 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

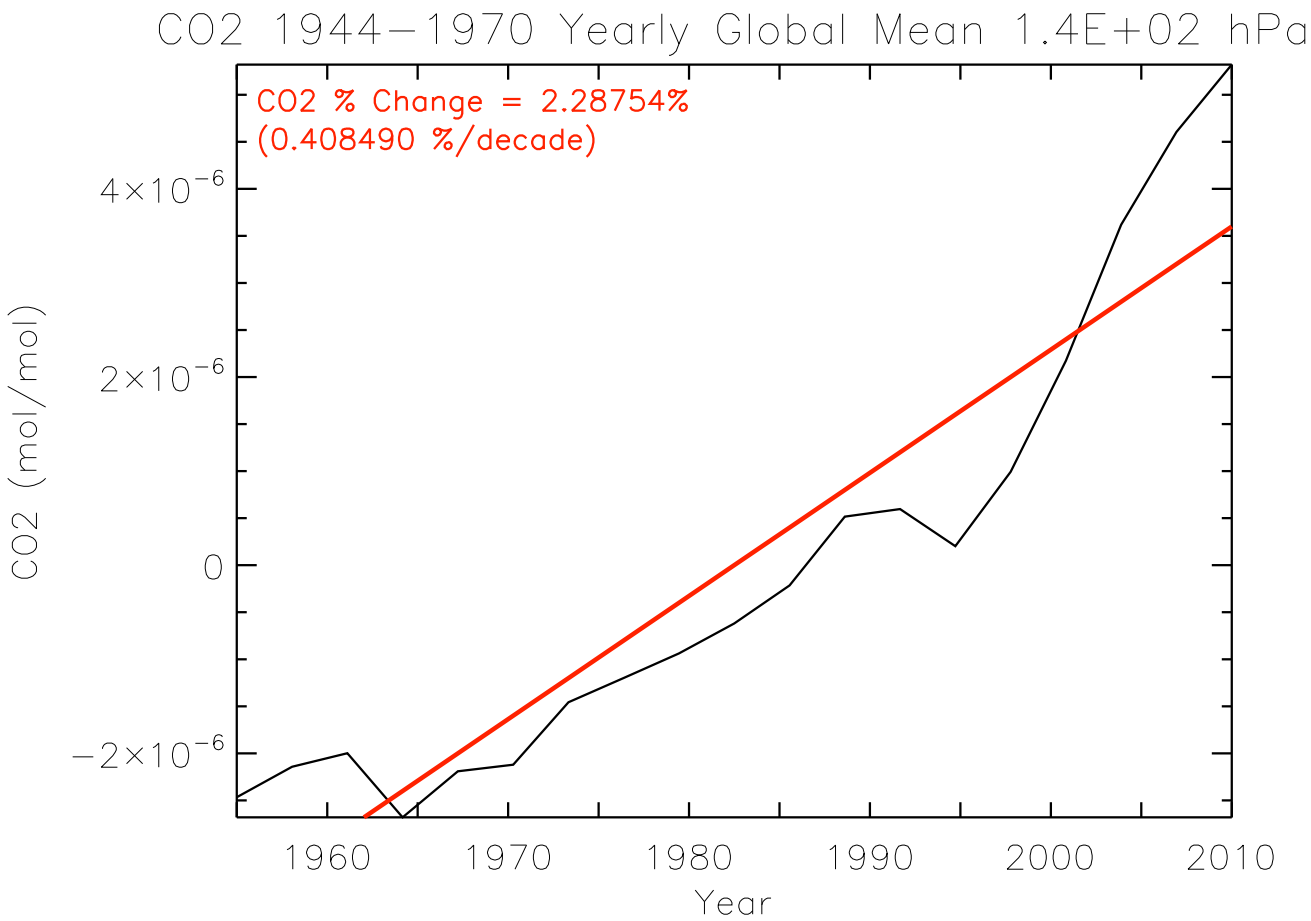

T 1944–1970 Yearly Global Mean 1.0E+02 hPa
0.15
0.10
0.05
0.00
−0.05
−0.10
T (K)
T Change = −0.0405776 K
(−0.00724600 K/decade)
1960
1970
1980
1990
2000
2010
Year

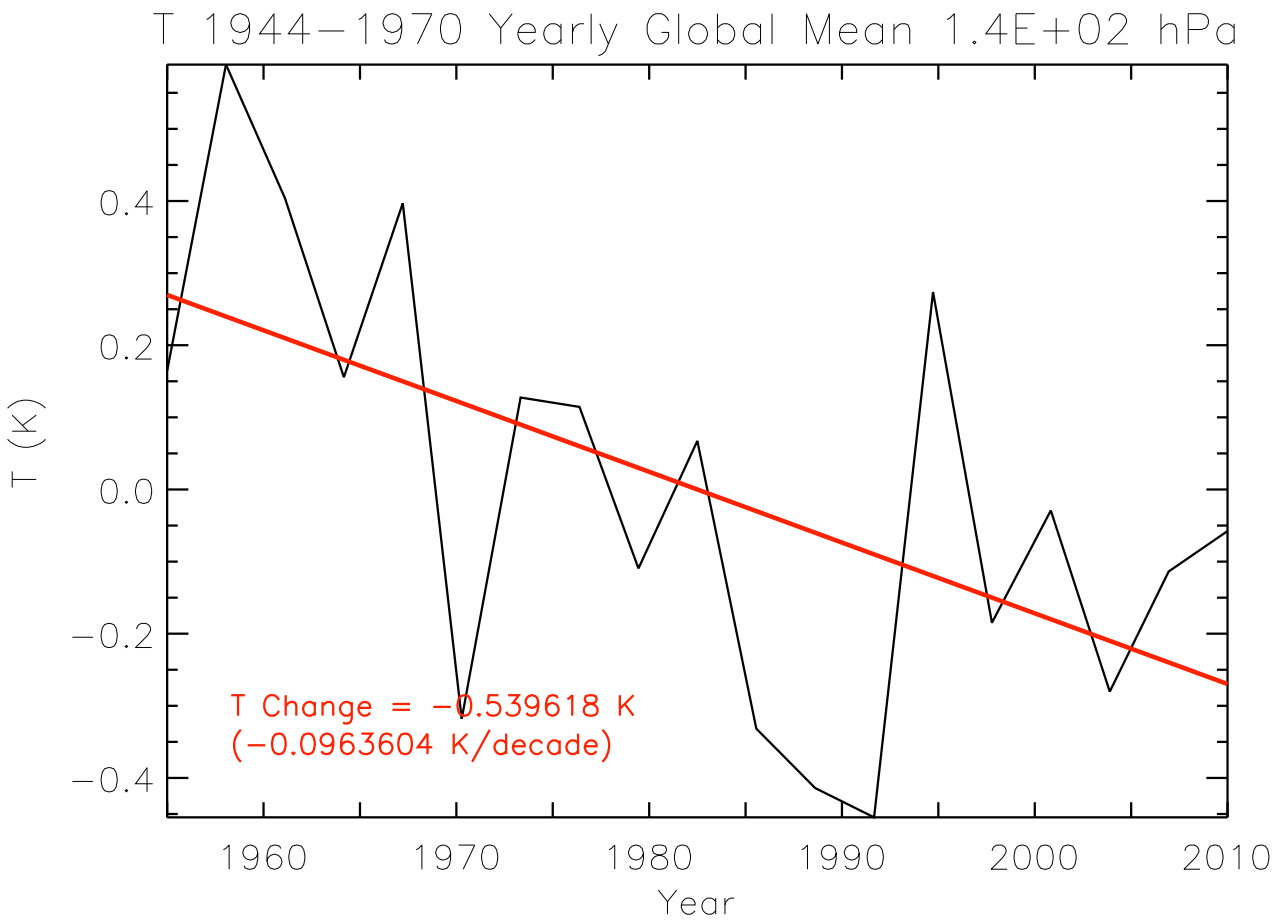

NO 1944–1970 Yearly Global Mean Residuals 1.0E+02 hPa
1×10⁻¹¹
5×10⁻¹²
0
−5×10⁻¹²
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

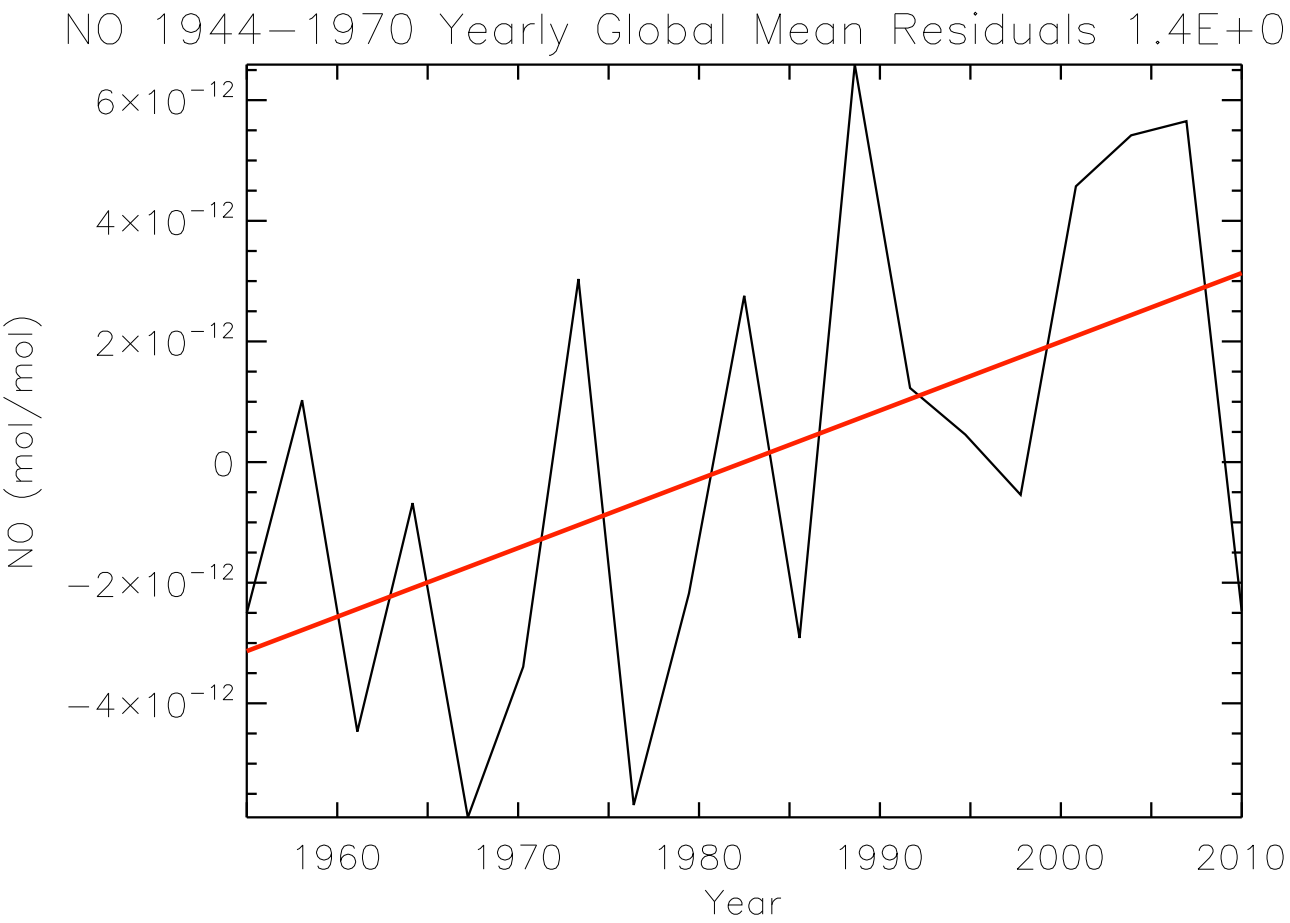

CO2 1944–1970 Yearly Global Mean 1.2E+02 hPa
CO2 % Change = 2.26842%
(0.405075 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

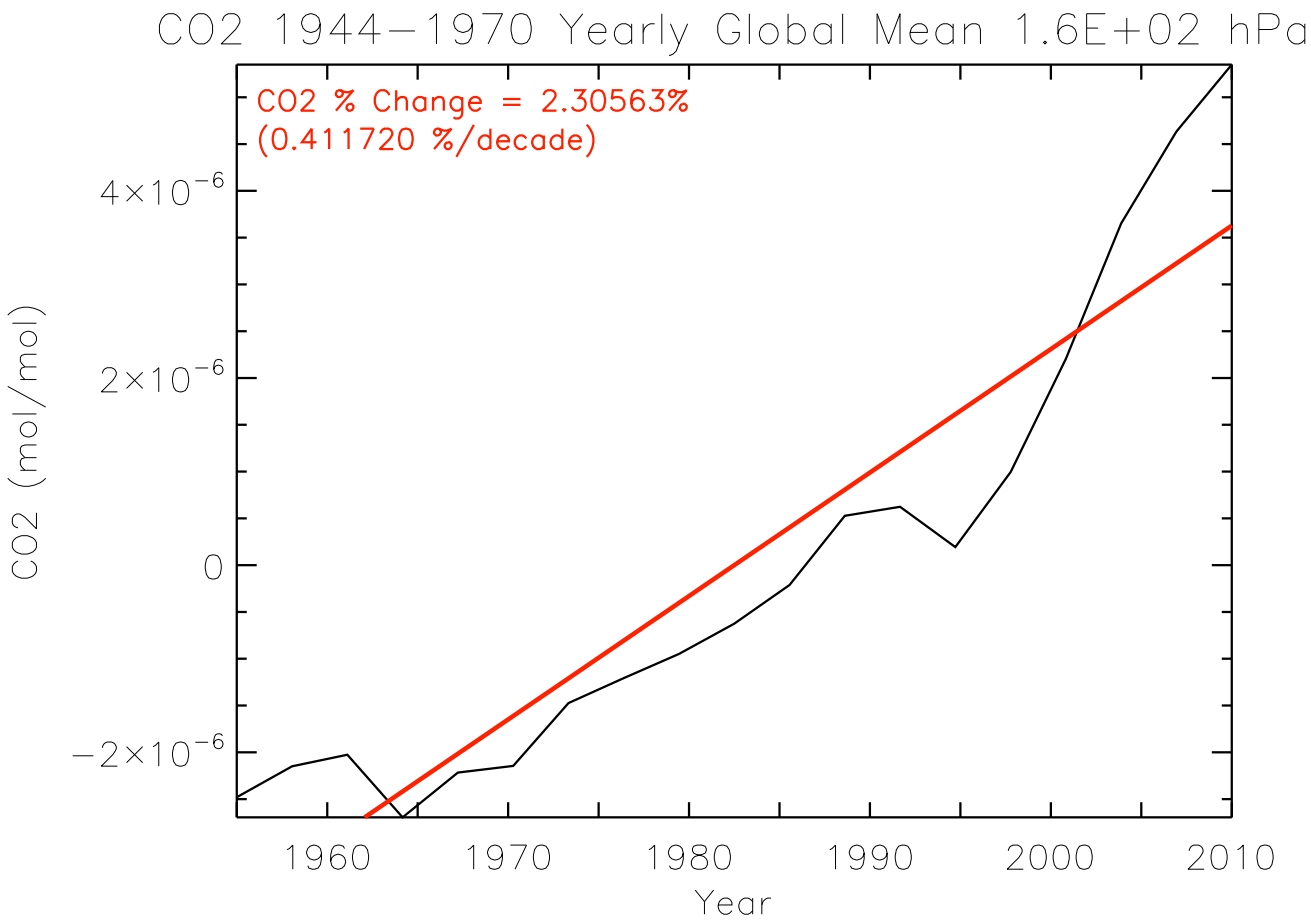

T 1944–1970 Yearly Global Mean 1.2E+02 hPa
0.4
0.2
0.0
−0.2
T (K)
T Change = −0.355013 K
(−0.0633951 K/decade)
1960
1970
1980
1990
2000
2010
Year

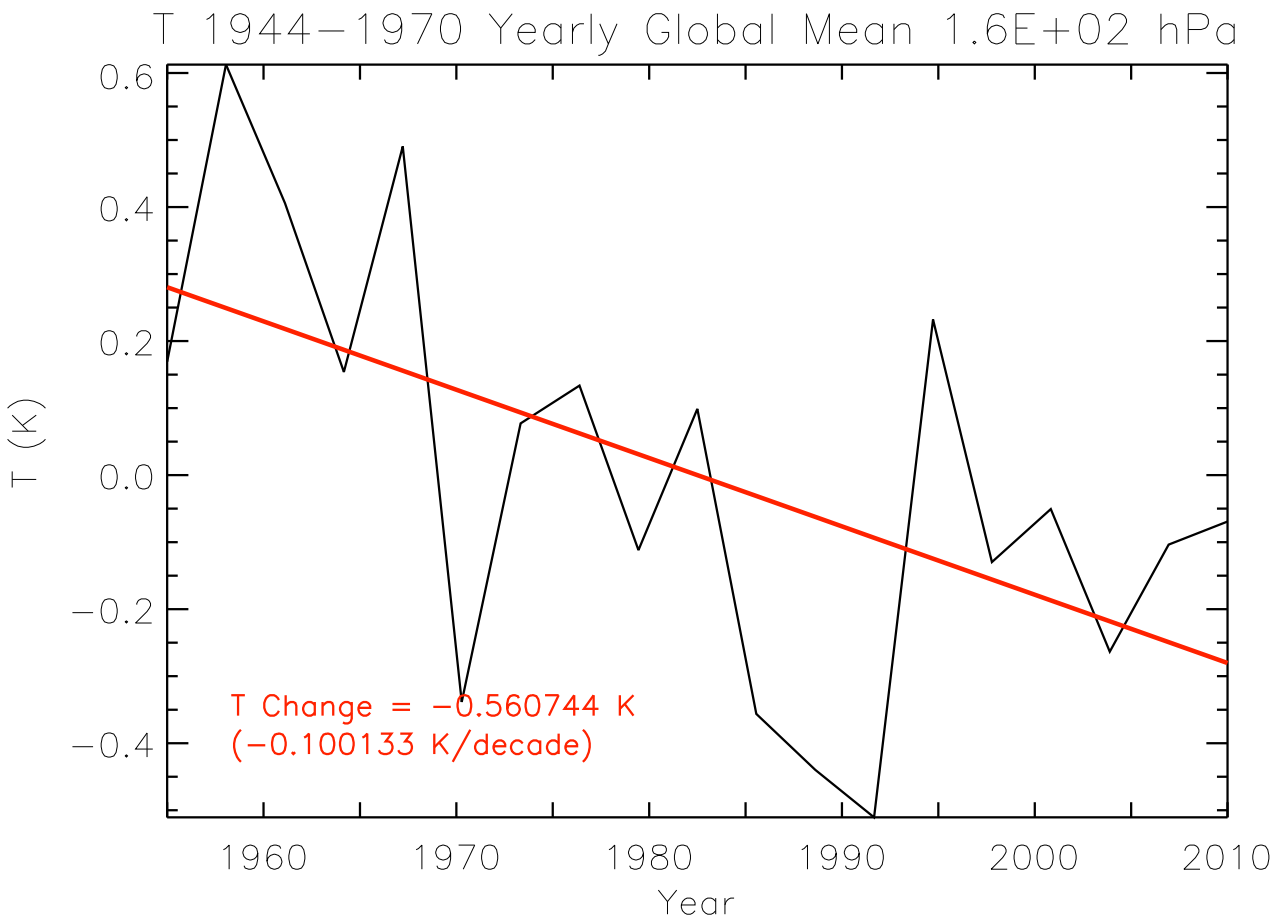

NO 1944–1970 Yearly Global Mean Residuals 1.2E+02 hPa
NO (mol/mol)
5×10⁻¹²
0
−5×10⁻¹²
1960
1970
1980
1990
2000
2010
Year

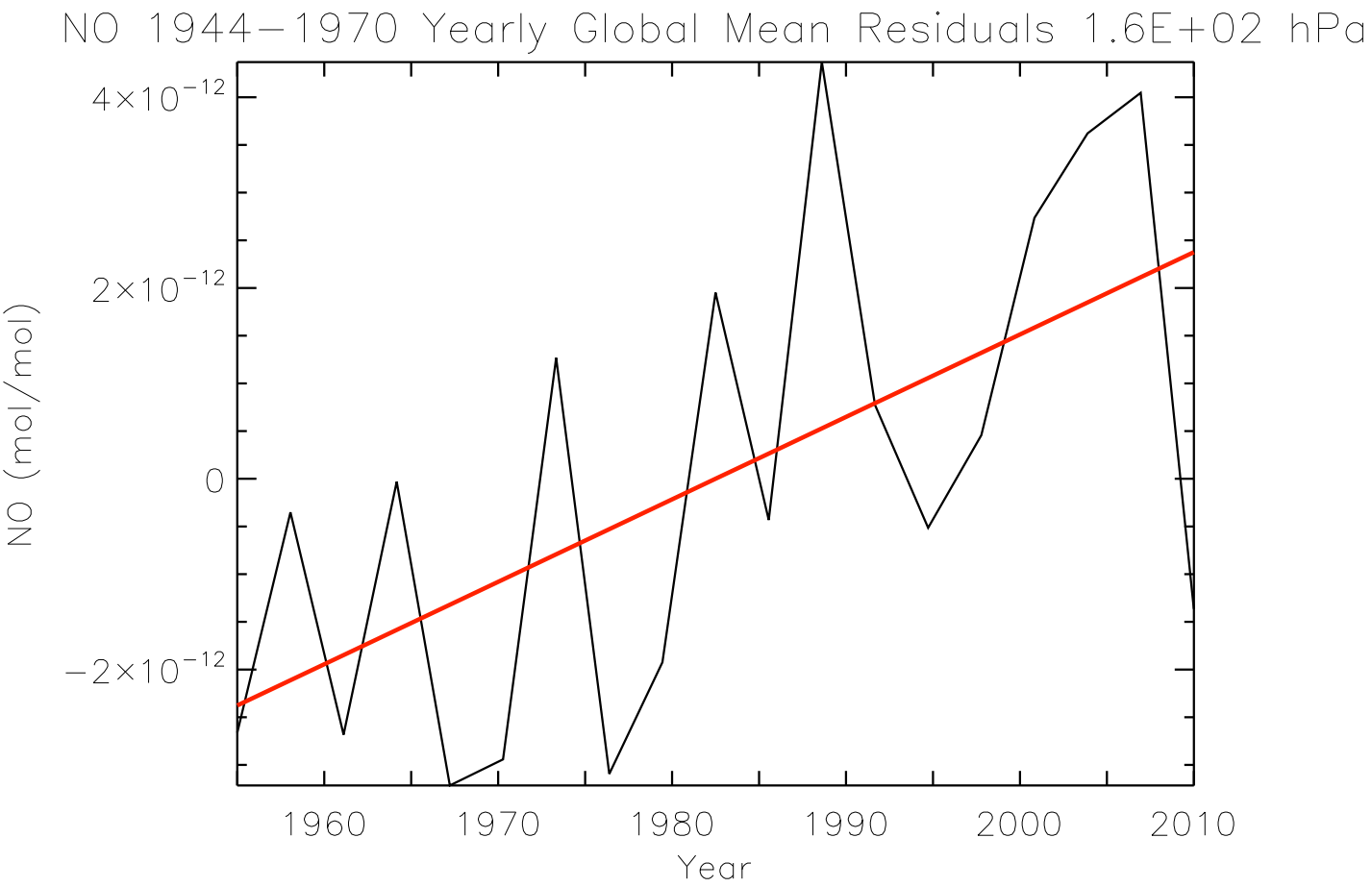

CO2 1944–1970 Yearly Global Mean 1.4E+02 hPa
CO2 % Change = 2.28754%
(0.408490 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

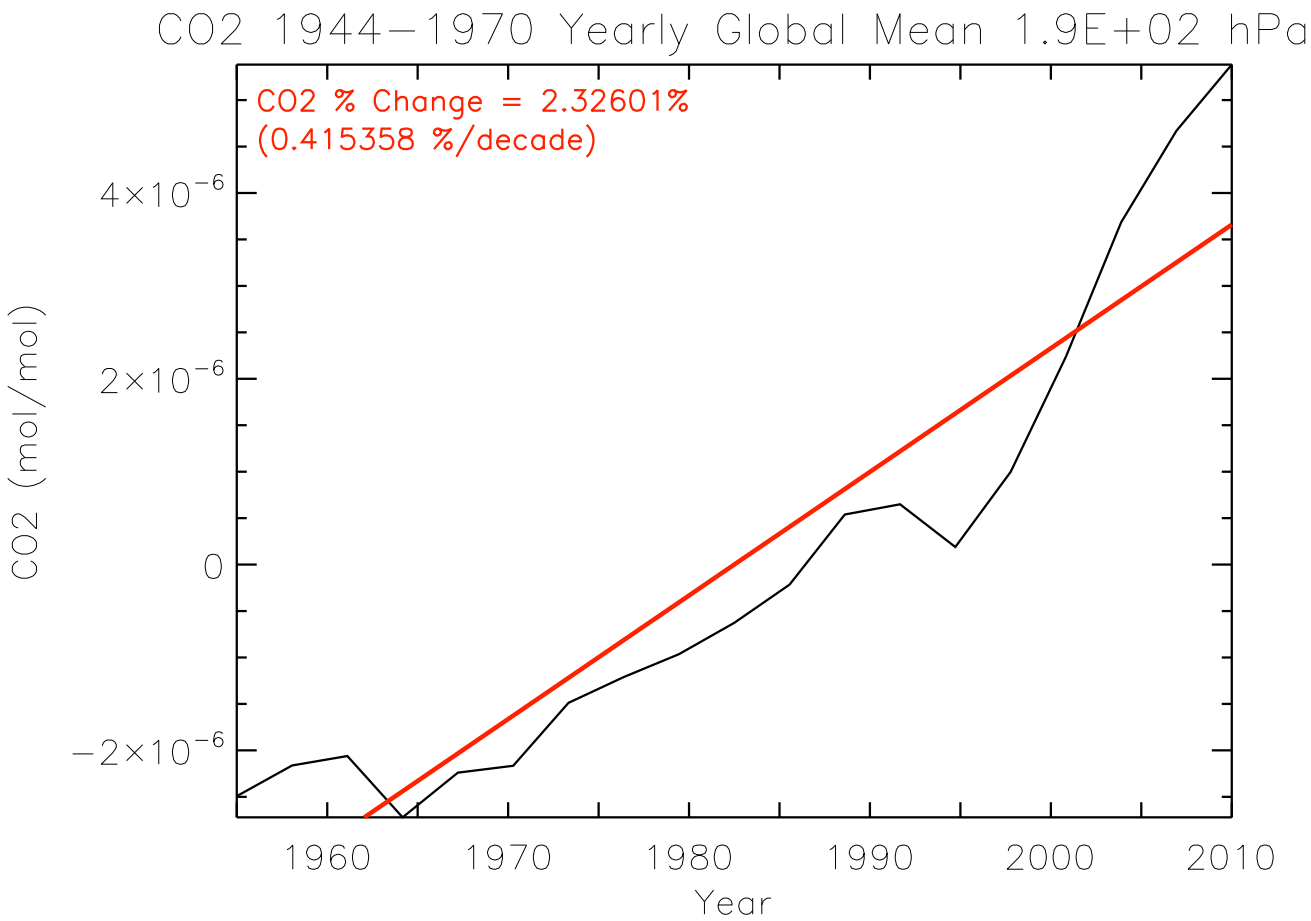

T 1944–1970 Yearly Global Mean 1.4E+02 hPa
T (K)
0.4
0.2
0.0
−0.2
−0.4
T Change = −0.539618 K
(−0.0963604 K/decade)
1960
1970
1980
1990
2000
2010
Year

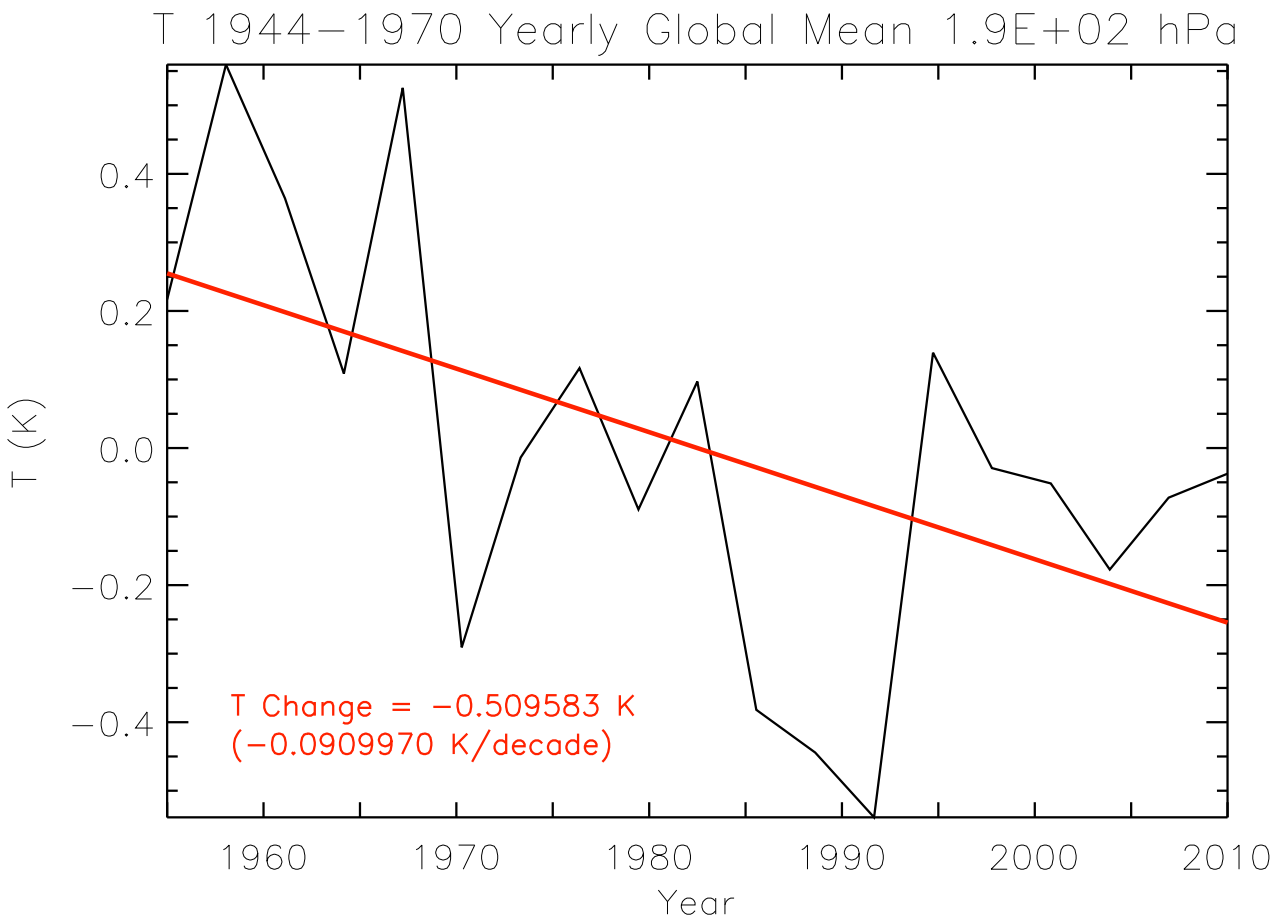

NO 1944–1970 Yearly Global Mean Residuals 1.4E+02 hPa
NO (mol/mol)
6×10⁻¹²
4×10⁻¹²
2×10⁻¹²
0
−2×10⁻¹²
−4×10⁻¹²
1960
1970
1980
1990
2000
2010
Year

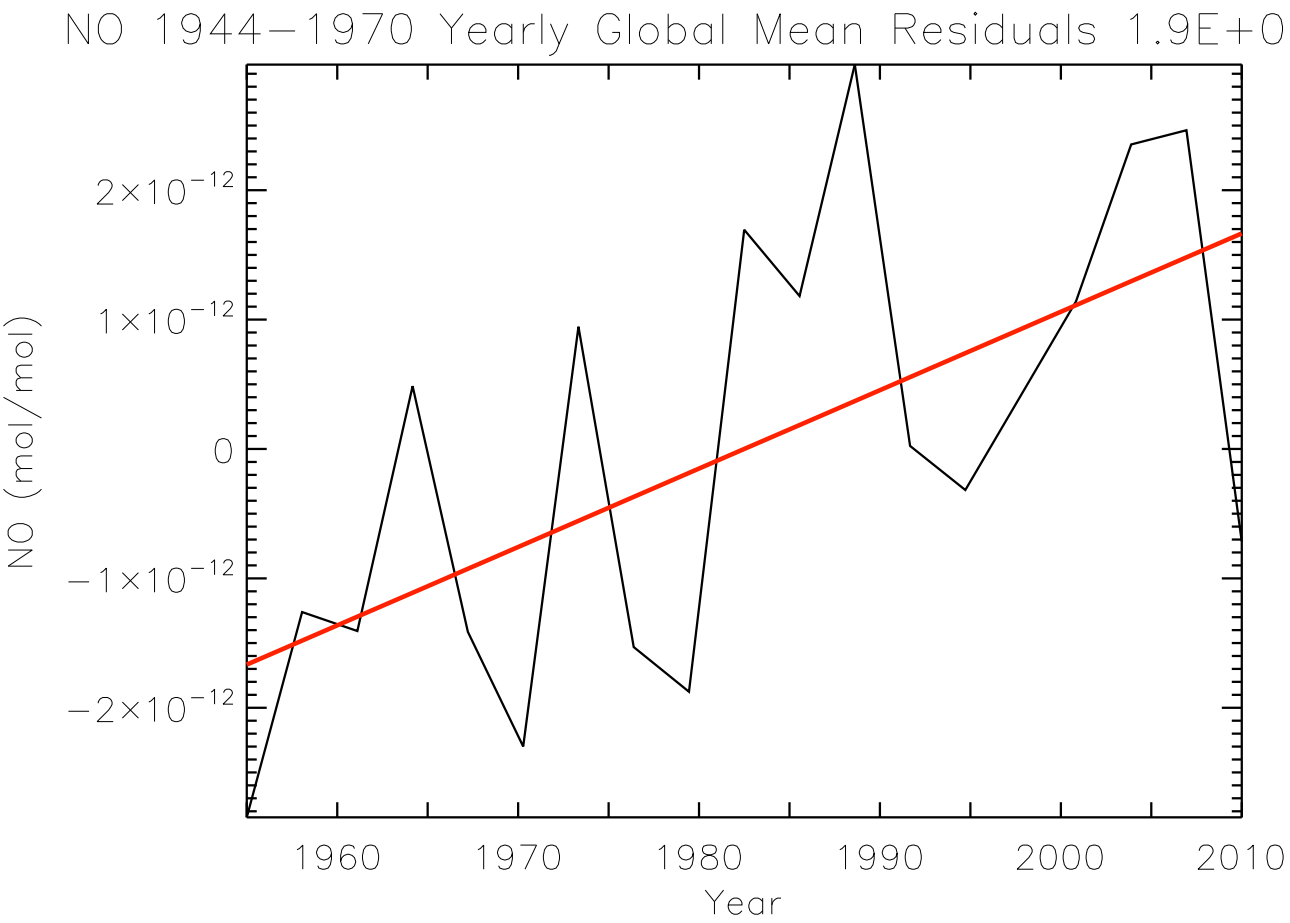

CO2 1944–1970 Yearly Global Mean 1.6E+02 hPa
CO2 % Change = 2.30563%
(0.411720 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

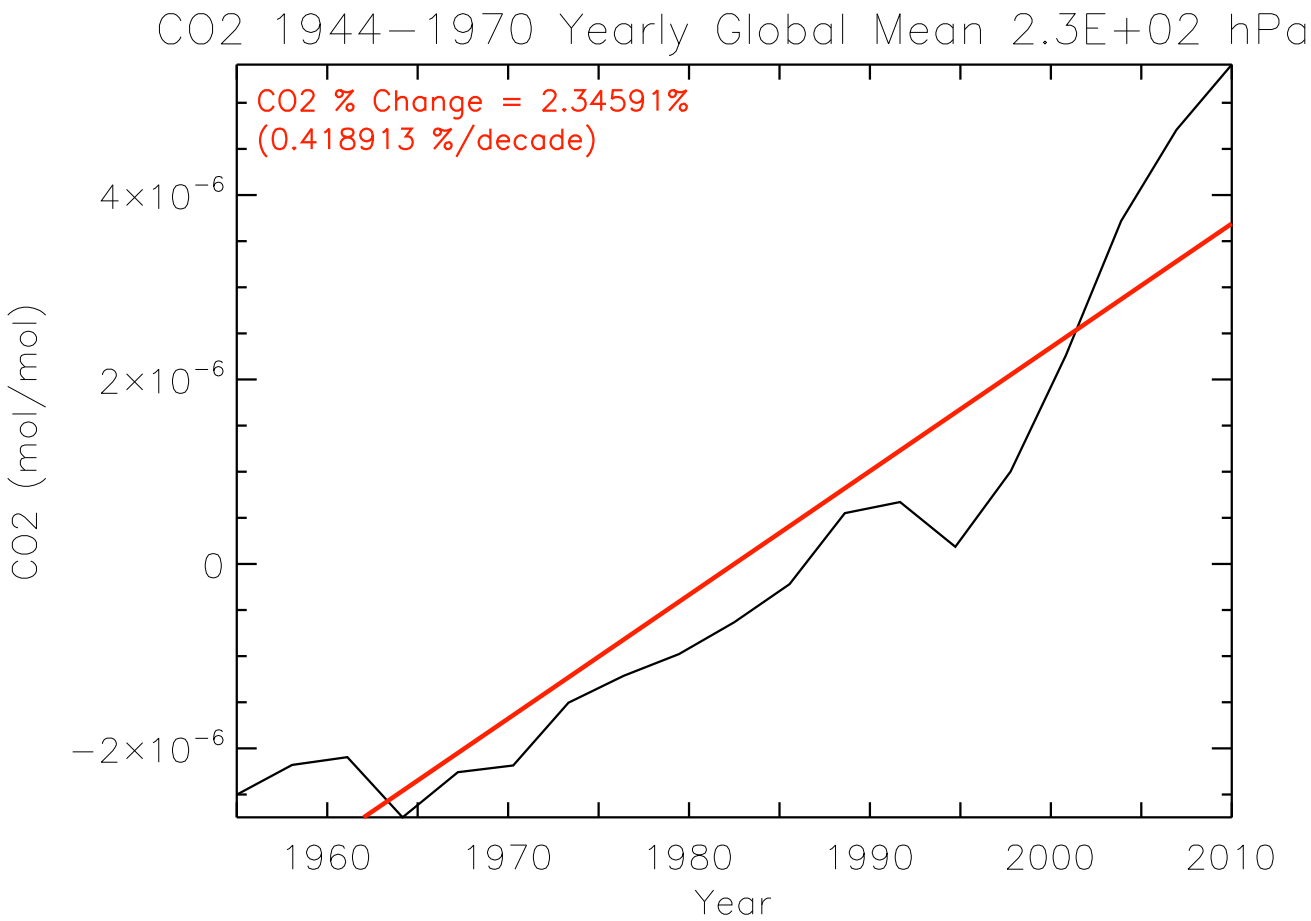

T 1944–1970 Yearly Global Mean 1.6E+02 hPa
0.6
0.4
0.2
0.0
−0.2
−0.4
T (K)
T Change = −0.560744 K
(−0.100133 K/decade)
1960
1970
1980
1990
2000
2010
Year

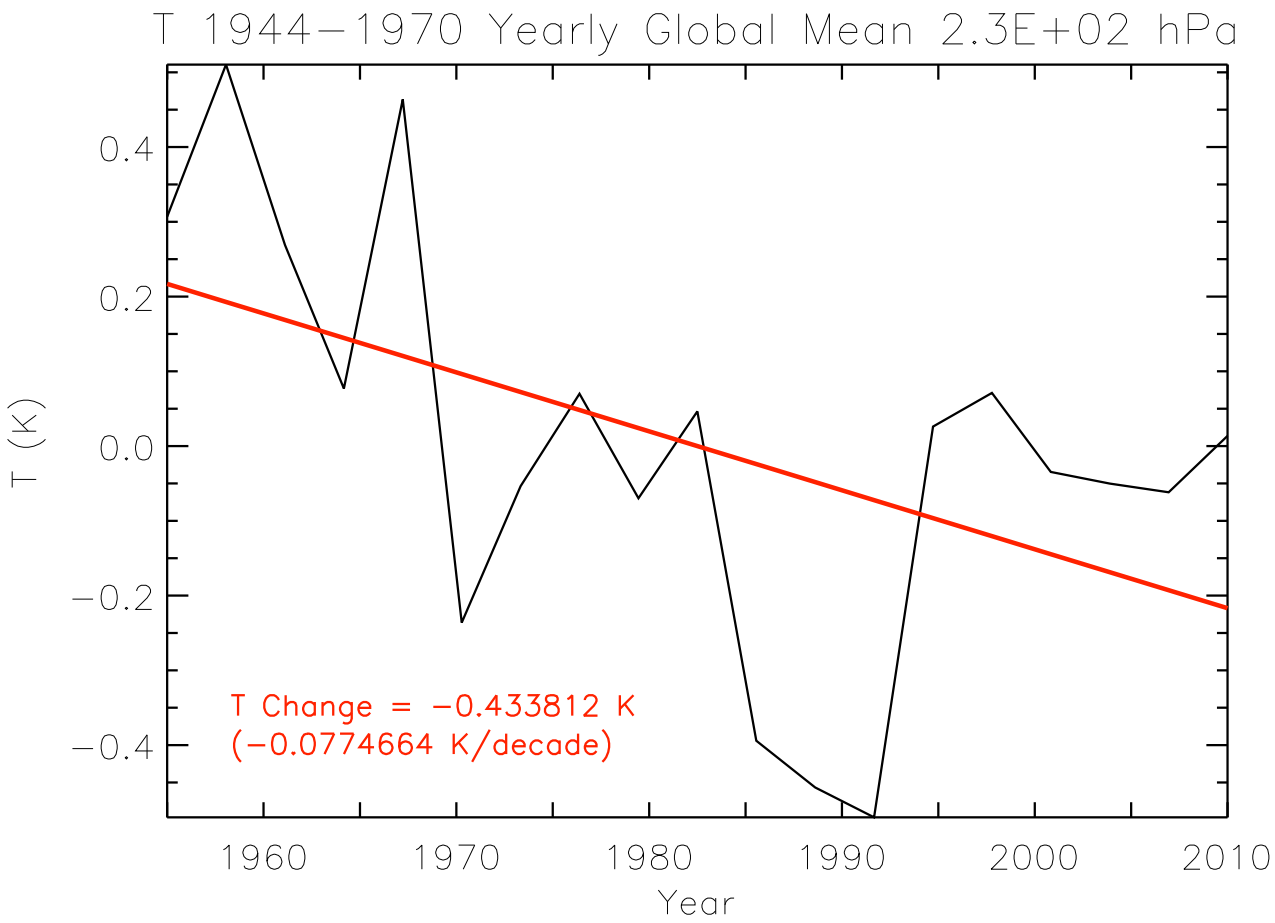

NO 1944–1970 Yearly Global Mean Residuals 1.6E+02 hPa
4×10⁻¹²
2×10⁻¹²
0
−2×10⁻¹²
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

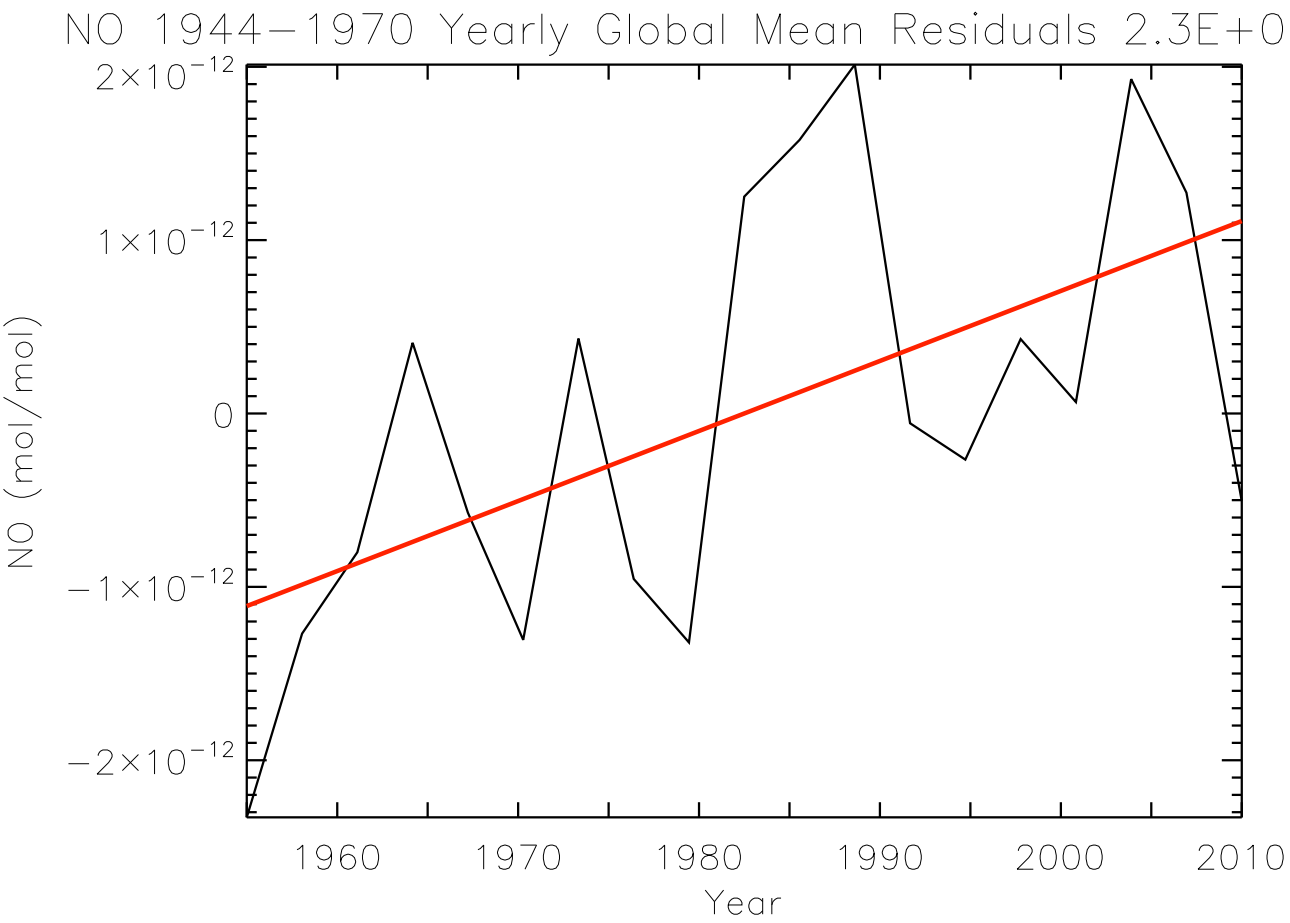

CO2 1944–1970 Yearly Global Mean 1.9E+02 hPa
CO2 % Change = 2.32601%
(0.415358 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

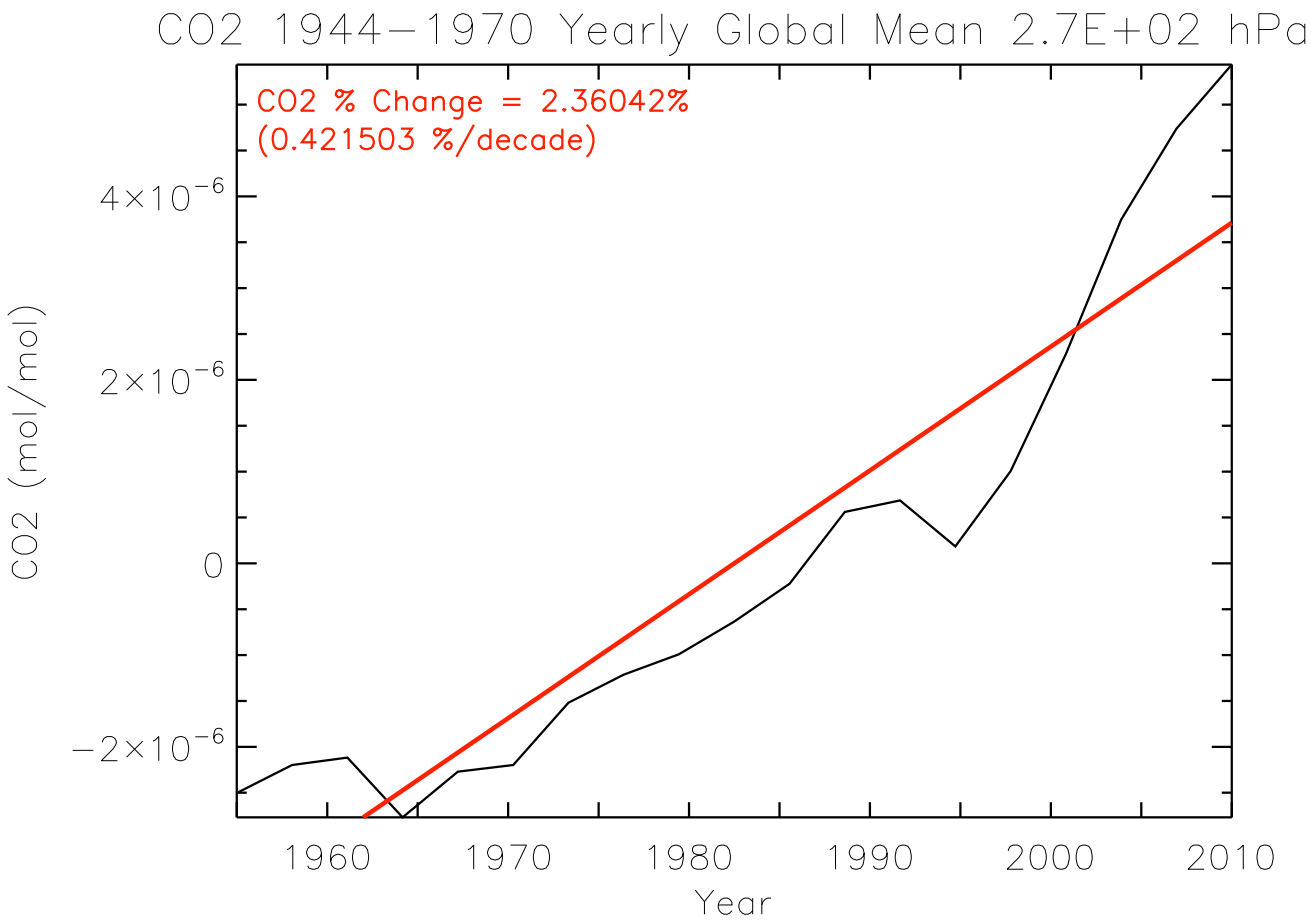

T 1944–1970 Yearly Global Mean 1.9E+02 hPa
0.4
0.2
0.0
−0.2
−0.4
T (K)
T Change = −0.509583 K
(−0.0909970 K/decade)
1960
1970
1980
1990
2000
2010
Year

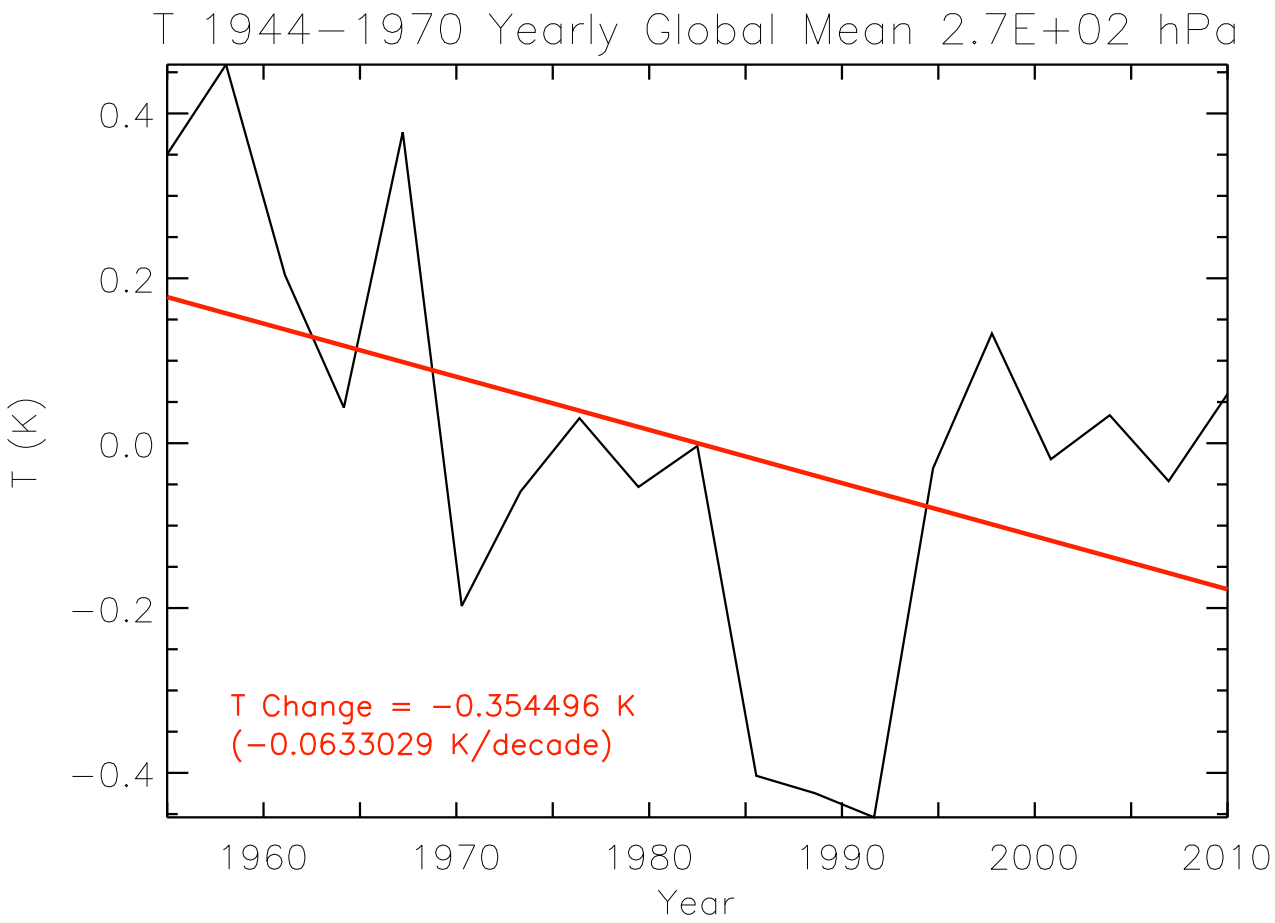

NO 1944–1970 Yearly Global Mean Residuals 1.9E+02 hPa
NO (mol/mol)
2×10⁻¹²
1×10⁻¹²
0
−1×10⁻¹²
−2×10⁻¹²
1960
1970
1980
1990
2000
2010
Year

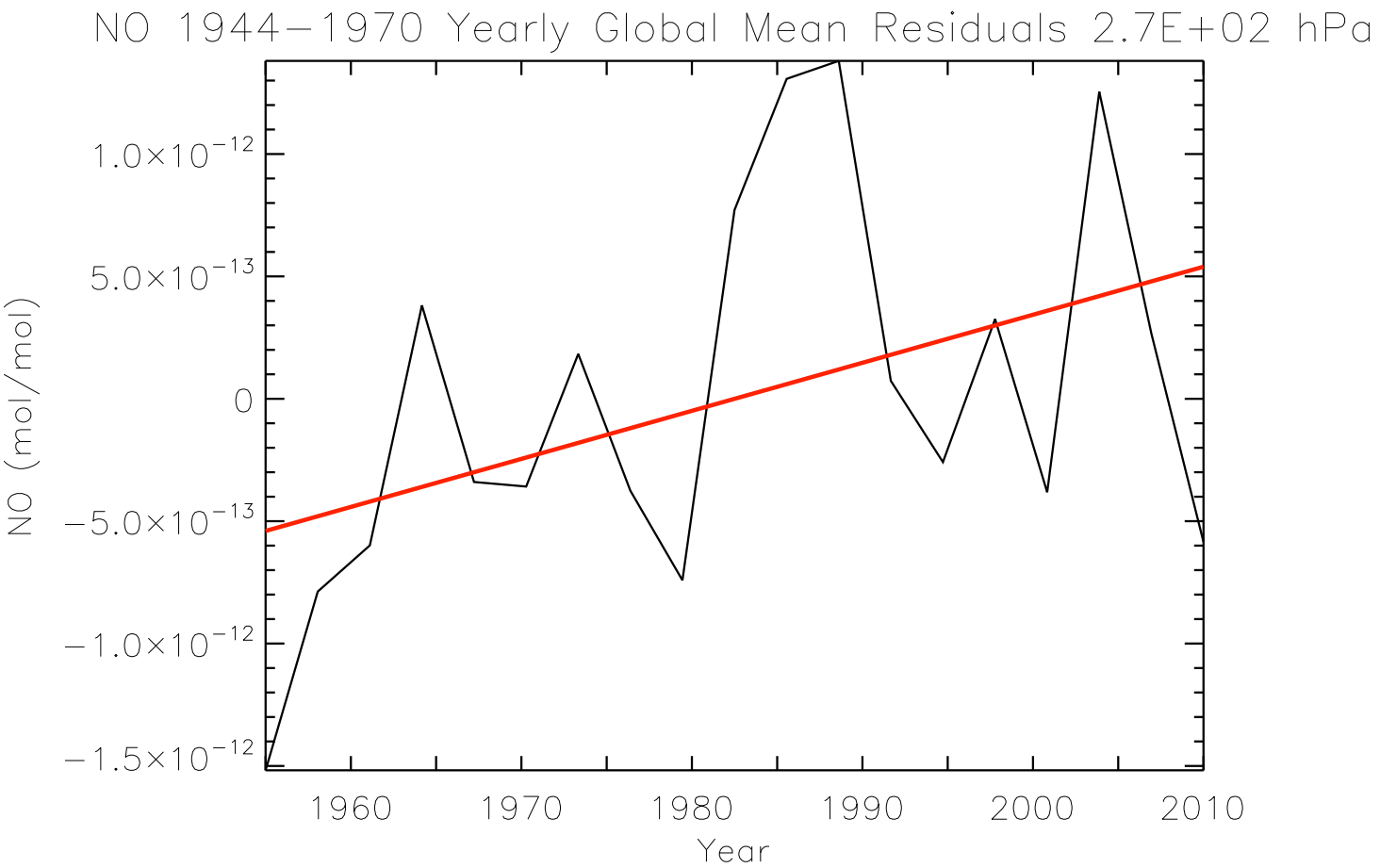

CO2 1944–1970 Yearly Global Mean 2.3E+02 hPa
CO2 % Change = 2.34591%
(0.418913 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

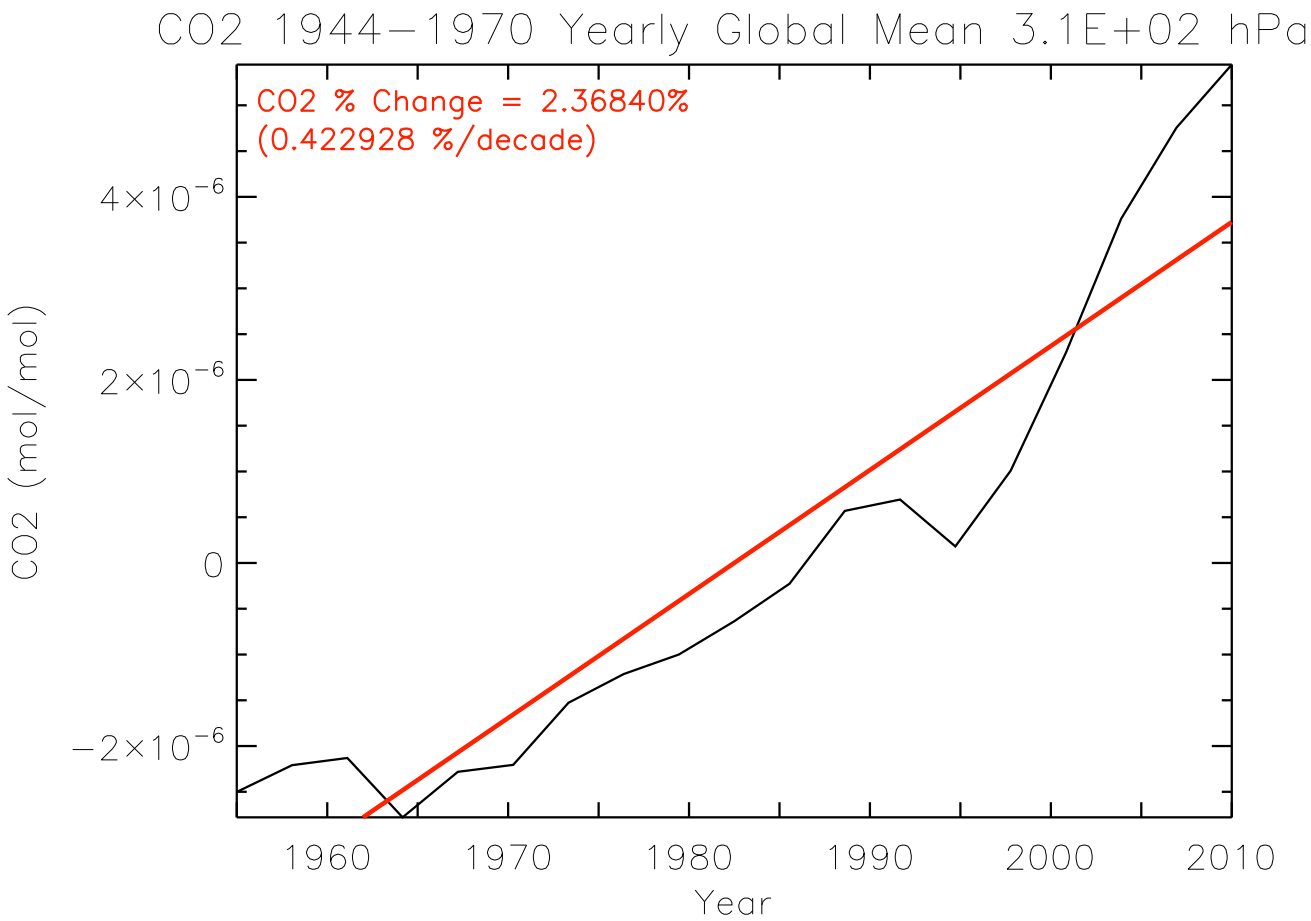

T 1944–1970 Yearly Global Mean 2.3E+02 hPa
0.4
0.2
0.0
−0.2
−0.4
T (K)
T Change = −0.433812 K
(−0.0774664 K/decade)
1960
1970
1980
1990
2000
2010
Year

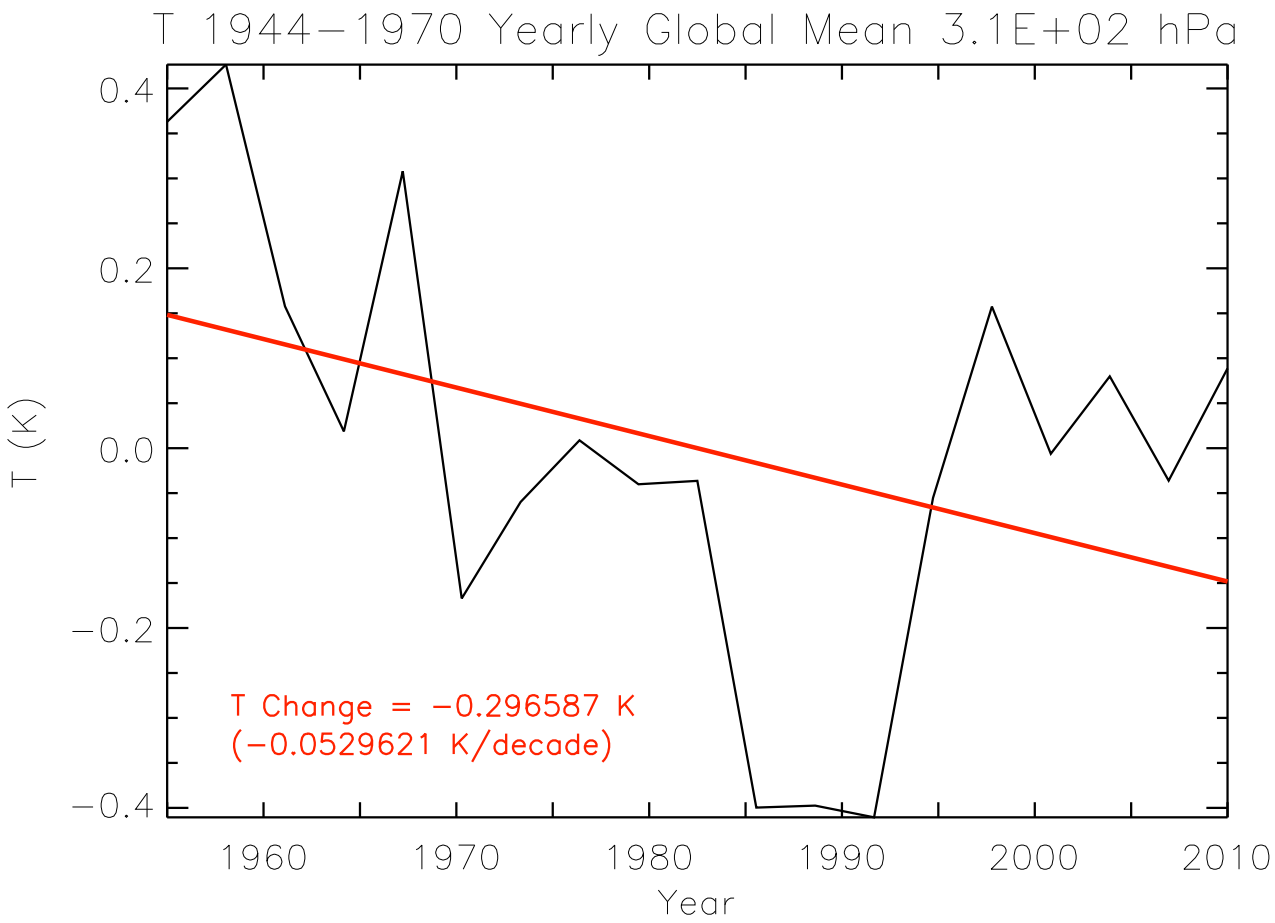

NO 1944–1970 Yearly Global Mean Residuals 2.3E+02 hPa
2×10⁻¹²
1×10⁻¹²
0
−1×10⁻¹²
−2×10⁻¹²
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

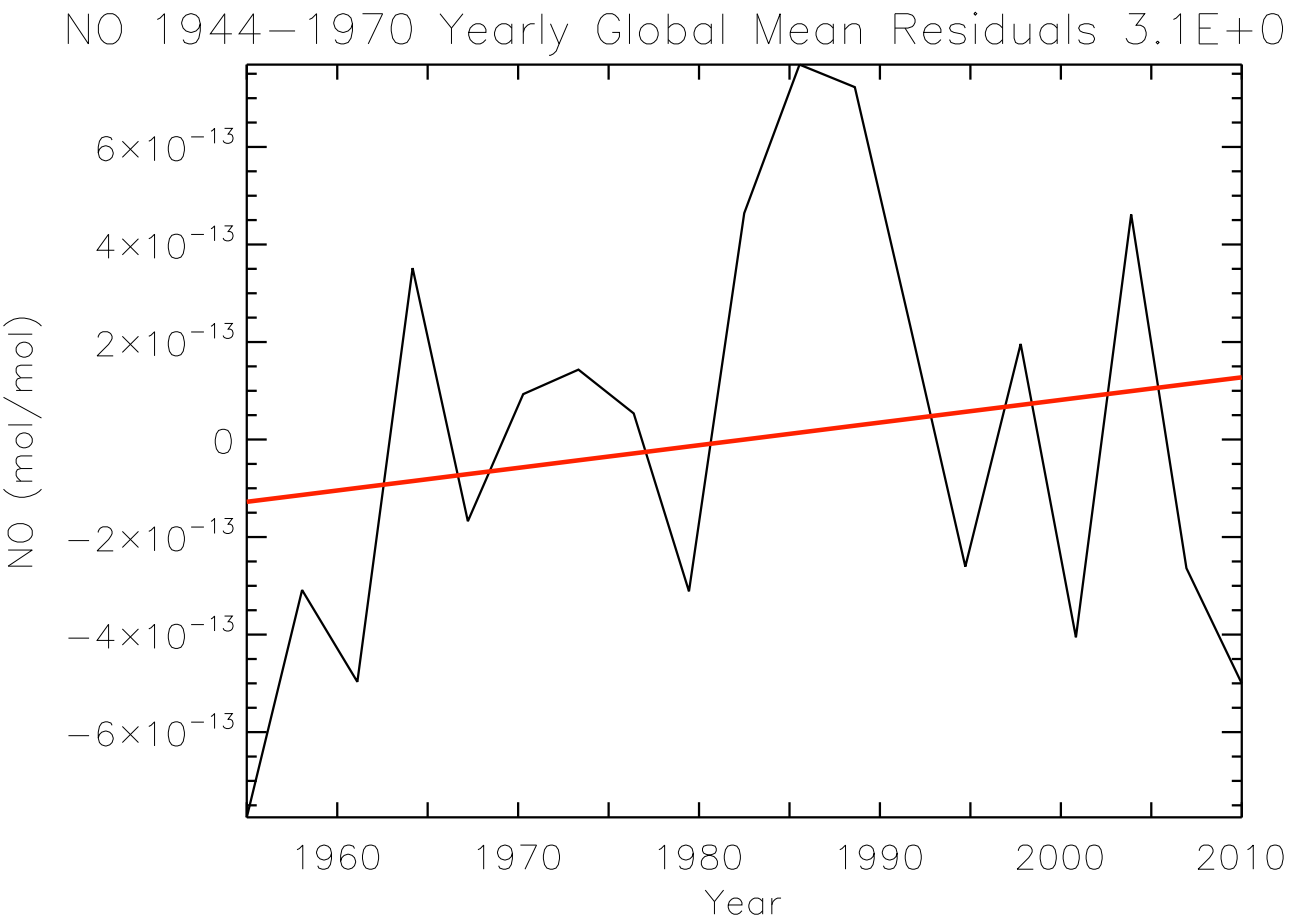

CO2 1944–1970 Yearly Global Mean 2.7E+02 hPa
CO2 % Change = 2.36042%
(0.421503 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

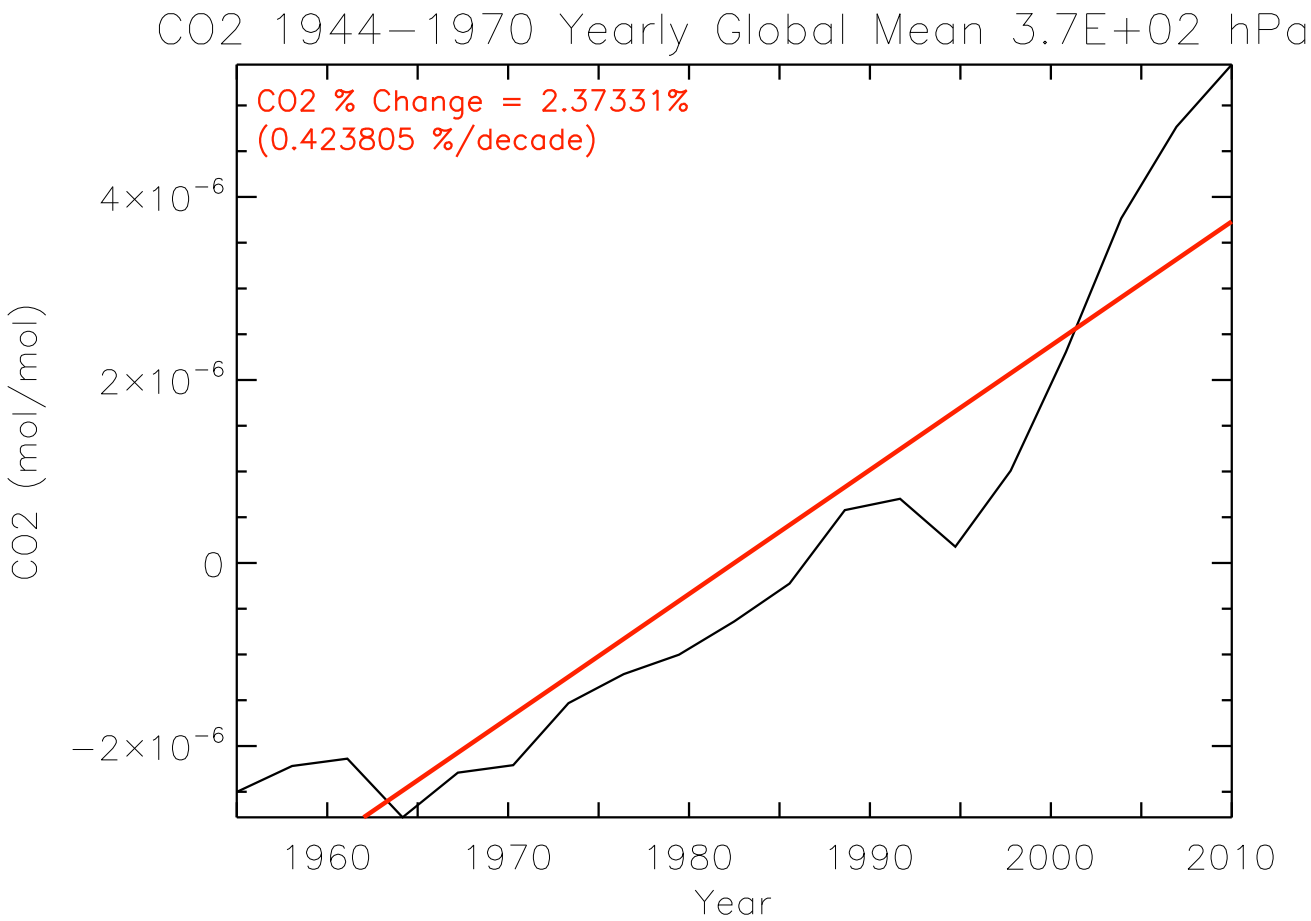

T 1944–1970 Yearly Global Mean 2.7E+02 hPa
0.4
0.2
0.0
−0.2
−0.4
T (K)
T Change = −0.354496 K
(−0.0633029 K/decade)
1960
1970
1980
1990
2000
2010
Year

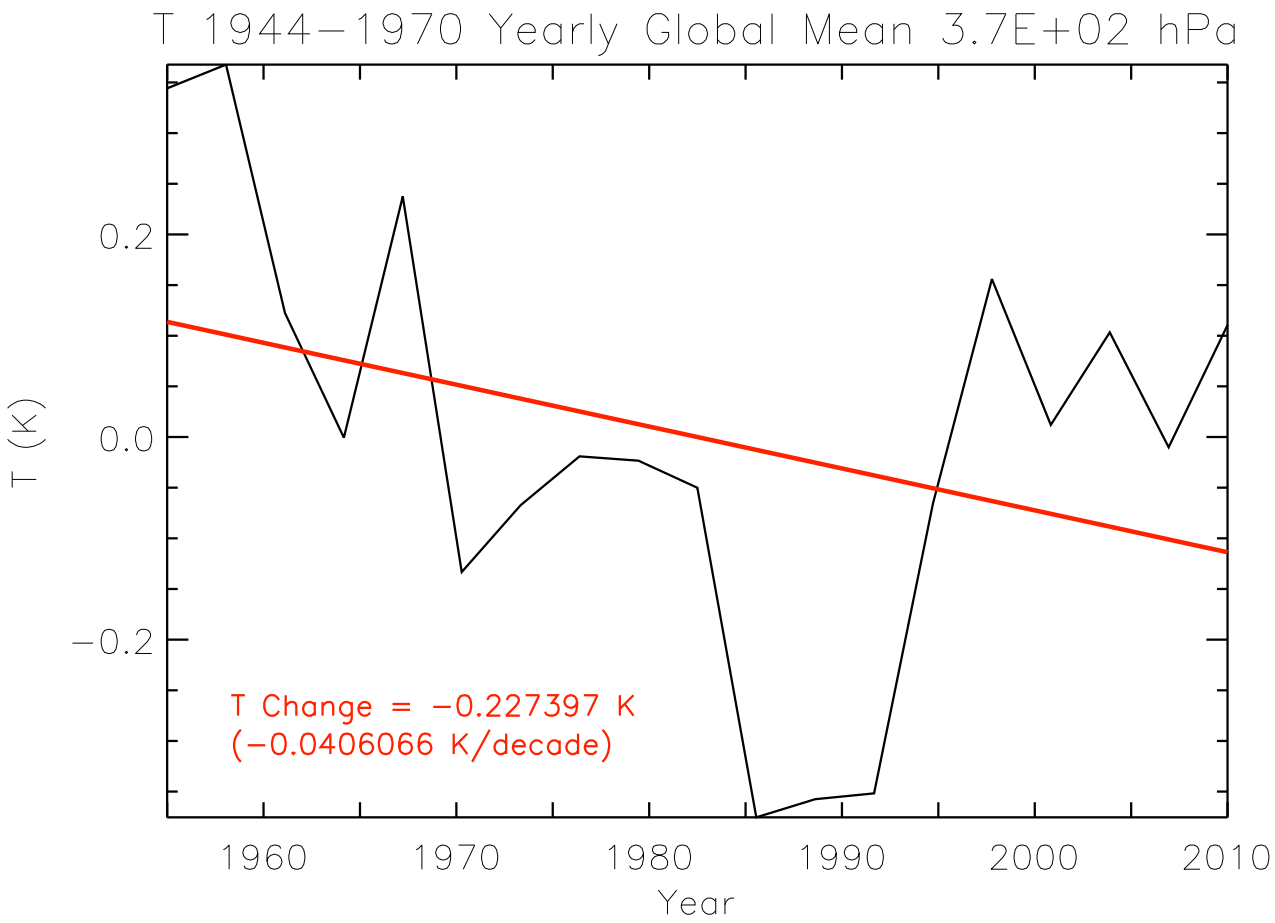

NO 1944–1970 Yearly Global Mean Residuals 2.7E+02 hPa
NO (mol/mol)
1.0×10−12
5.0×10−13
0
−5.0×10−13
−1.0×10−12
−1.5×10−12
1960
1970
1980
1990
2000
2010
Year

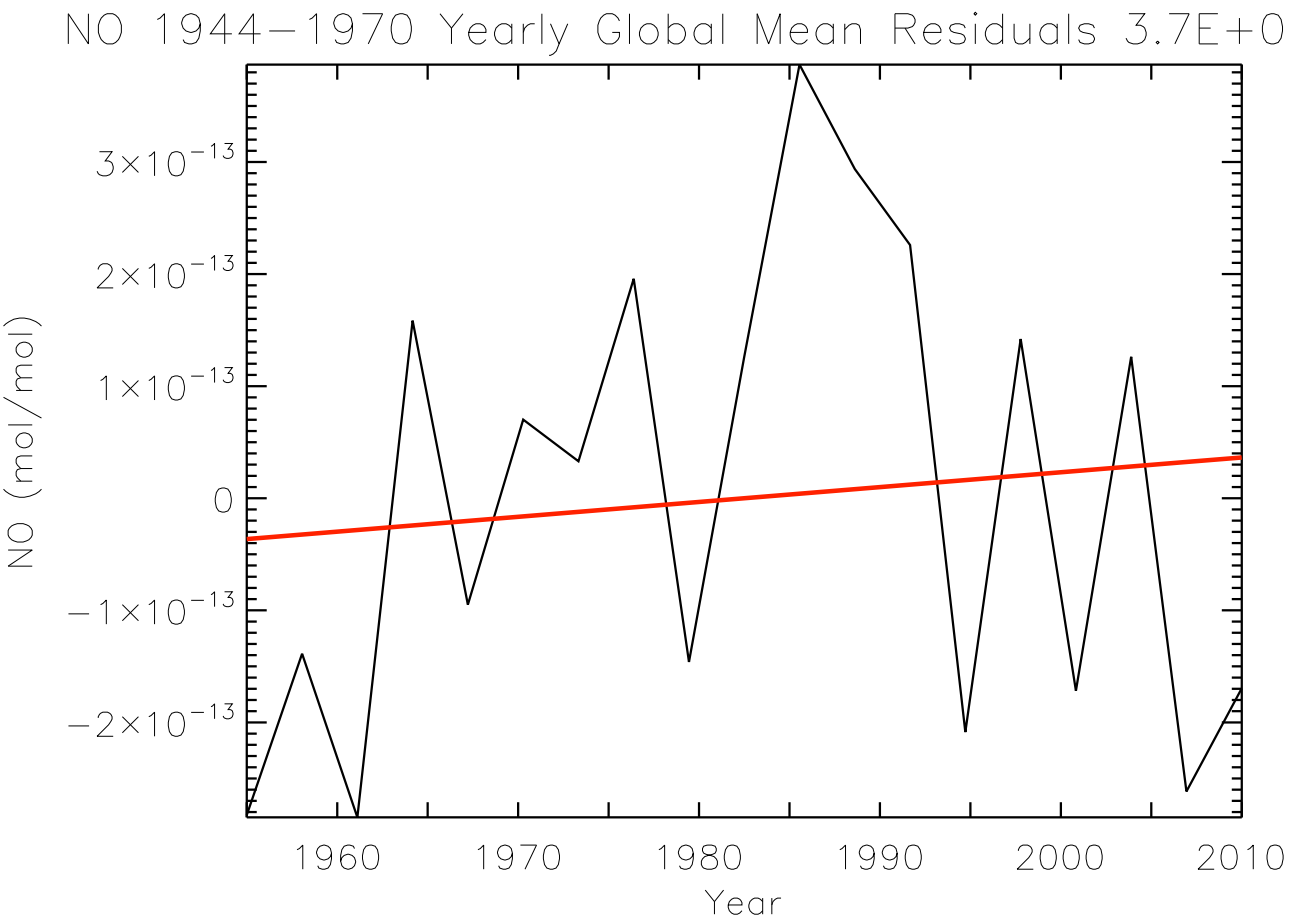

CO2 1944–1970 Yearly Global Mean 3.1E+02 hPa
CO2 % Change = 2.36840%
(0.422928 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

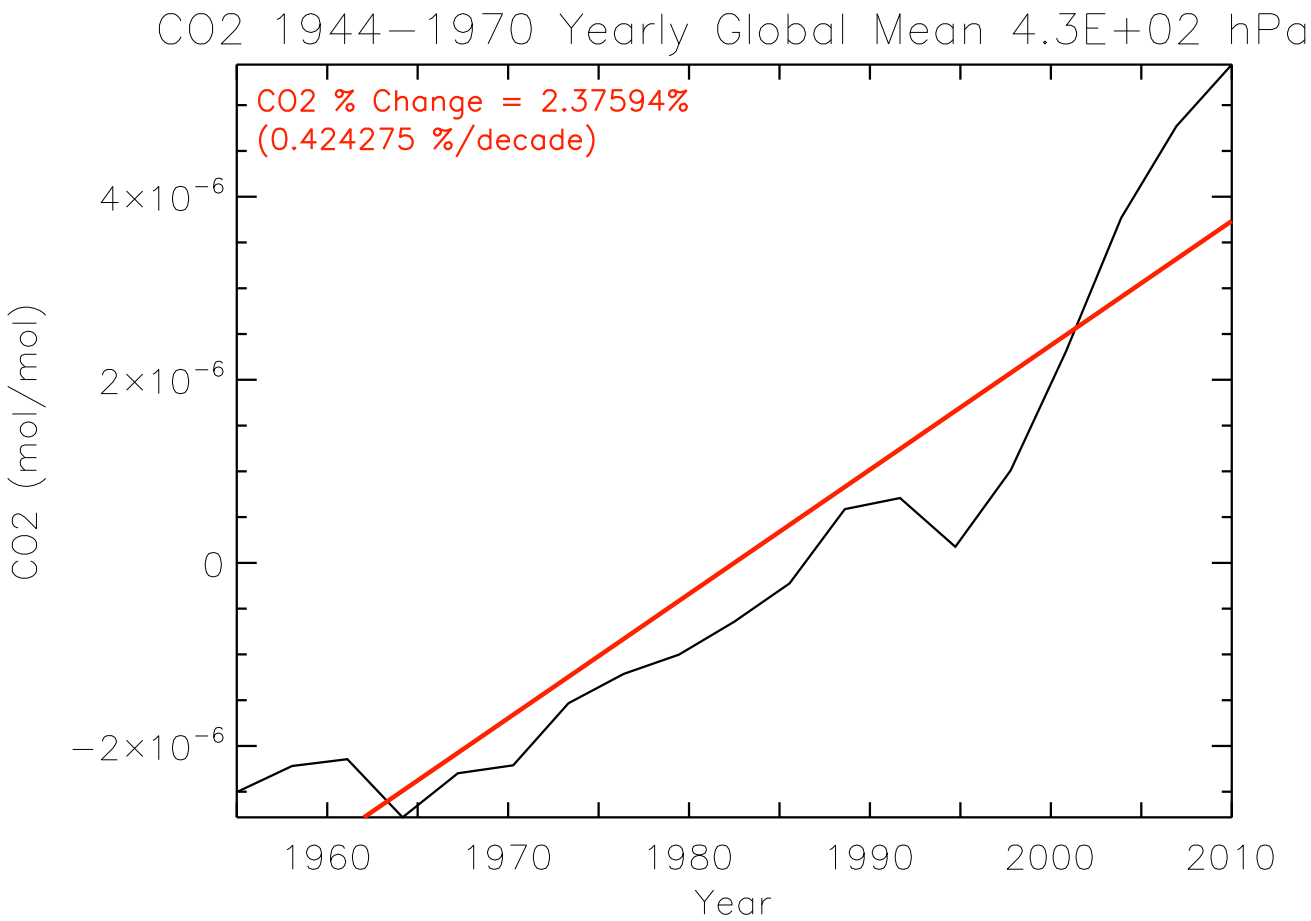

T 1944–1970 Yearly Global Mean 3.1E+02 hPa
0.4
0.2
0.0
−0.2
−0.4
T (K)
T Change = −0.296587 K
(−0.0529621 K/decade)
1960
1970
1980
1990
2000
2010
Year

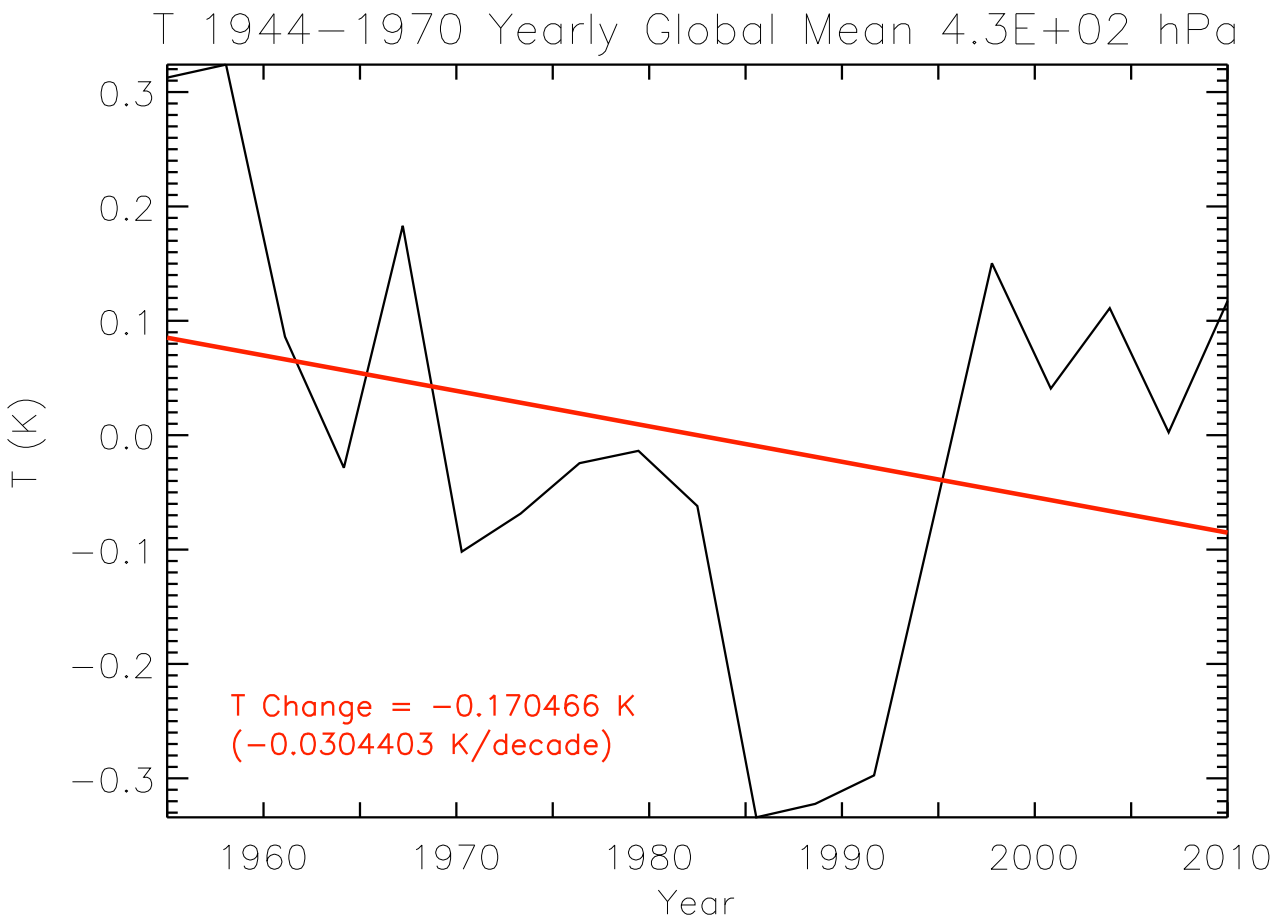

NO 1944–1970 Yearly Global Mean Residuals 3.1E+02 hPa
NO (mol/mol)
6×10⁻¹³
4×10⁻¹³
2×10⁻¹³
0
−2×10⁻¹³
−4×10⁻¹³
−6×10⁻¹³
1960
1970
1980
1990
2000
2010
Year

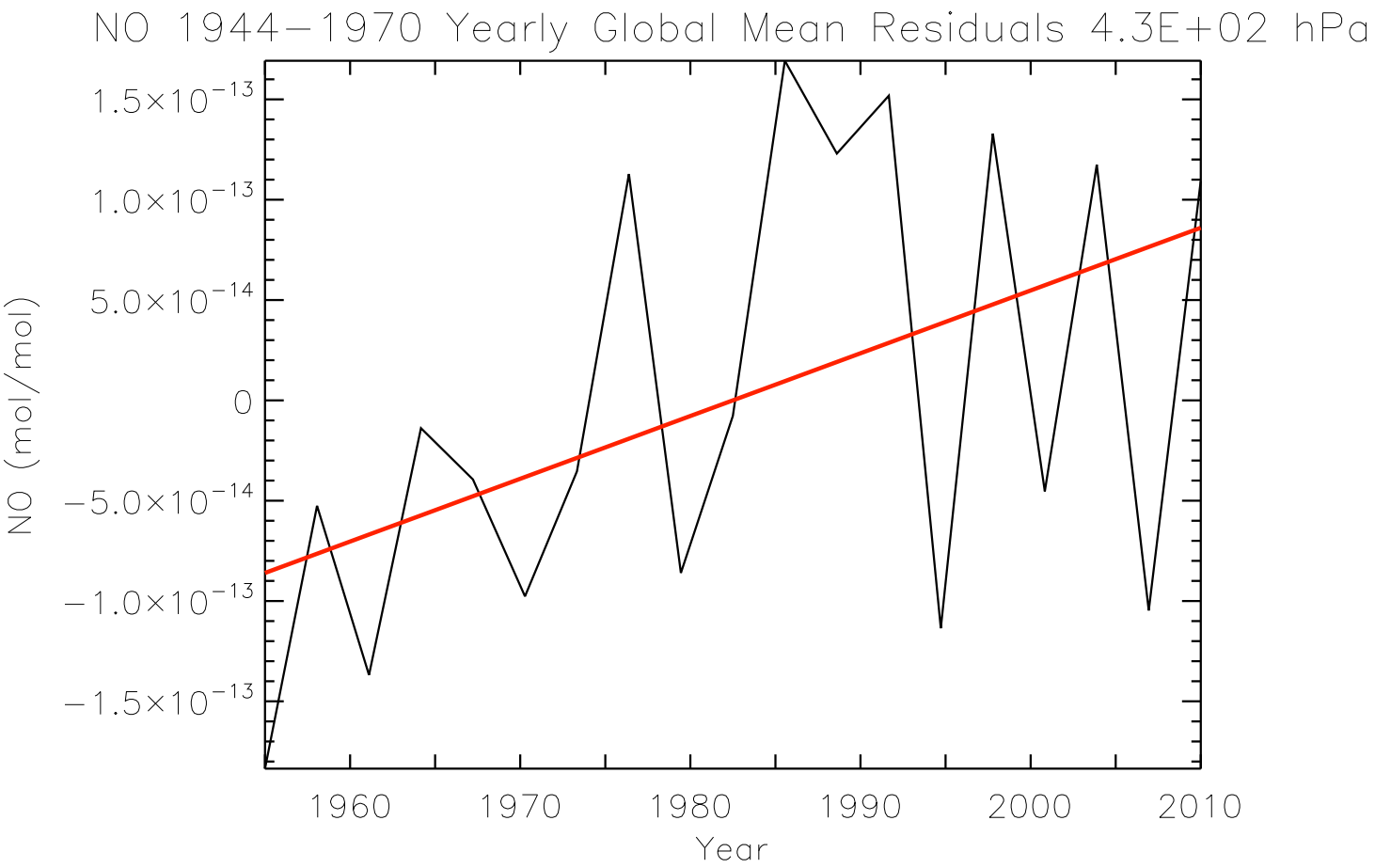

CO2 1944–1970 Yearly Global Mean 3.7E+02 hPa
CO2 % Change = 2.37331%
(0.423805 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

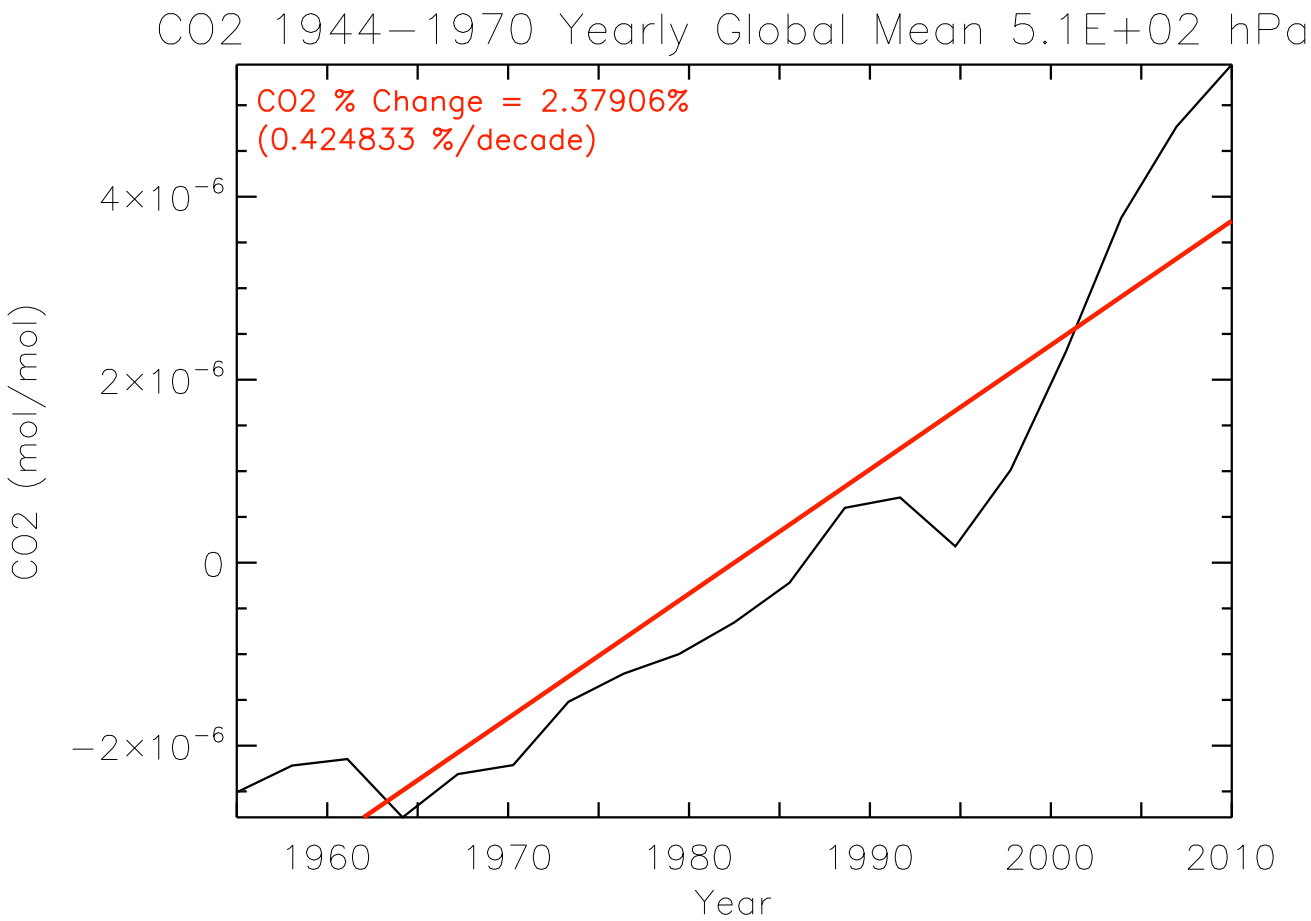

T 1944–1970 Yearly Global Mean 3.7E+02 hPa
T (K)
0.2
0.0
−0.2
T Change = −0.227397 K
(−0.0406066 K/decade)
1960
1970
1980
1990
2000
2010
Year

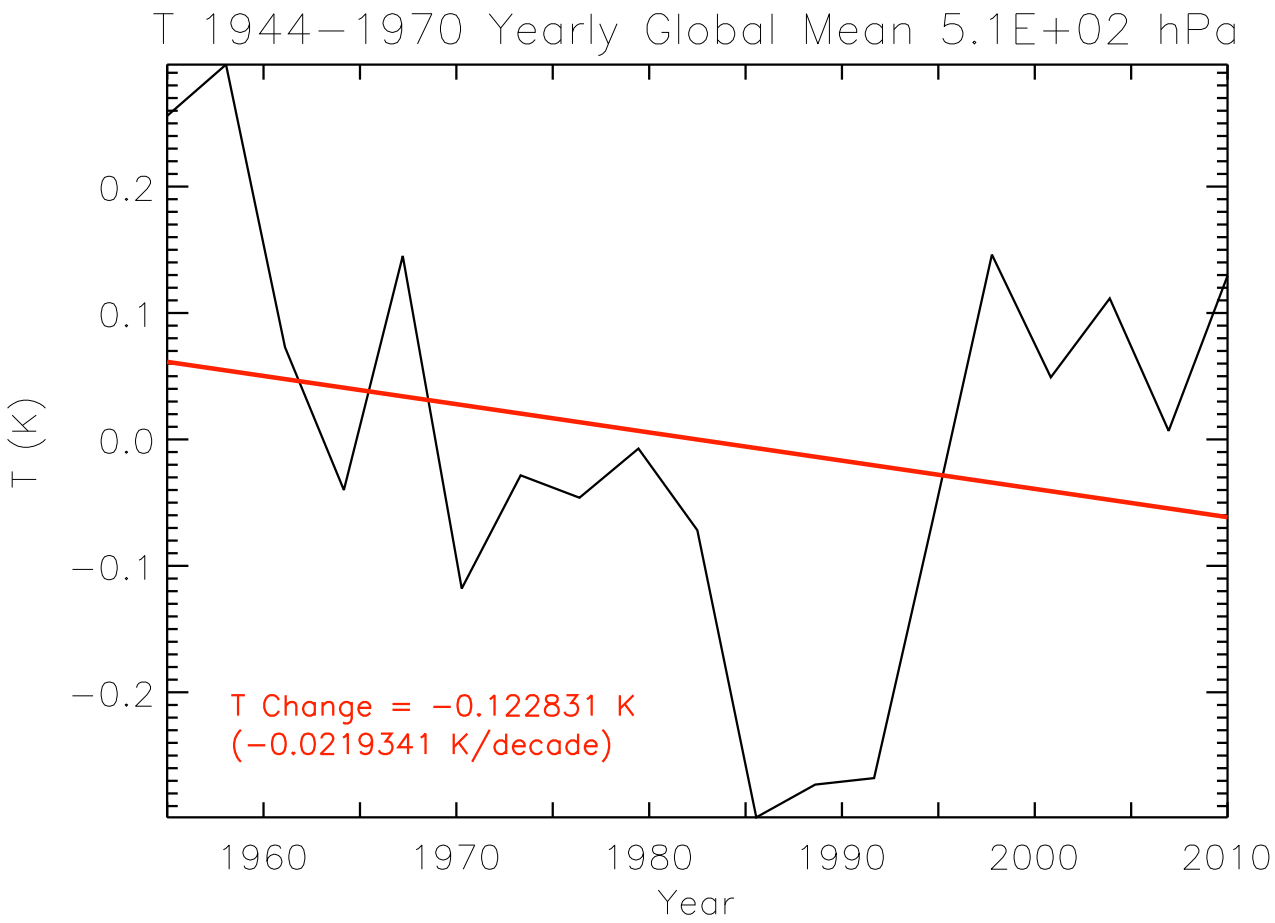

NO 1944–1970 Yearly Global Mean Residuals 3.7E+02 hPa
NO (mol/mol)
3×10⁻¹³
2×10⁻¹³
1×10⁻¹³
0
−1×10⁻¹³
−2×10⁻¹³
1960
1970
1980
1990
2000
2010
Year

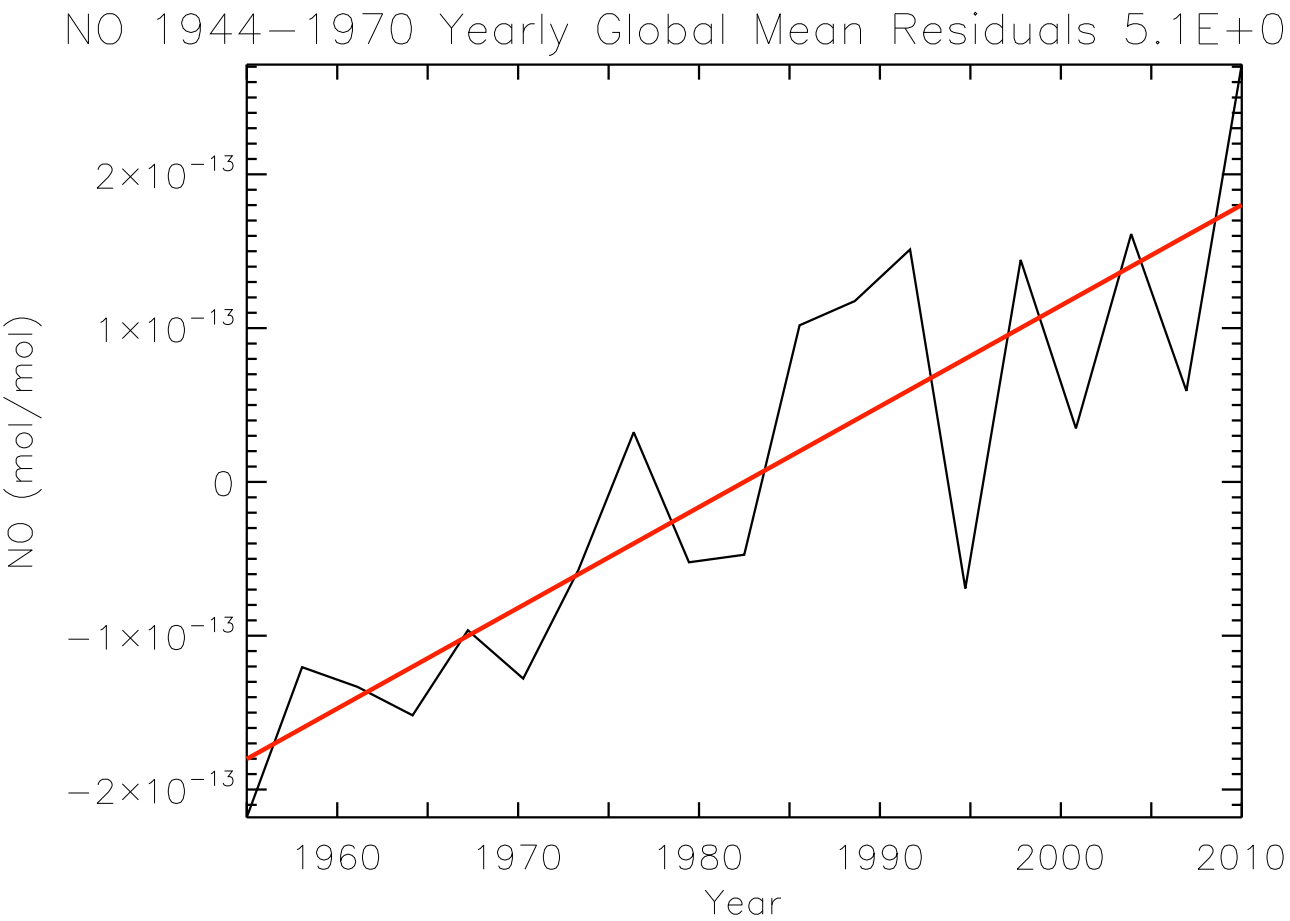

CO2 1944–1970 Yearly Global Mean 4.3E+02 hPa
CO2 % Change = 2.37594%
(0.424275 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

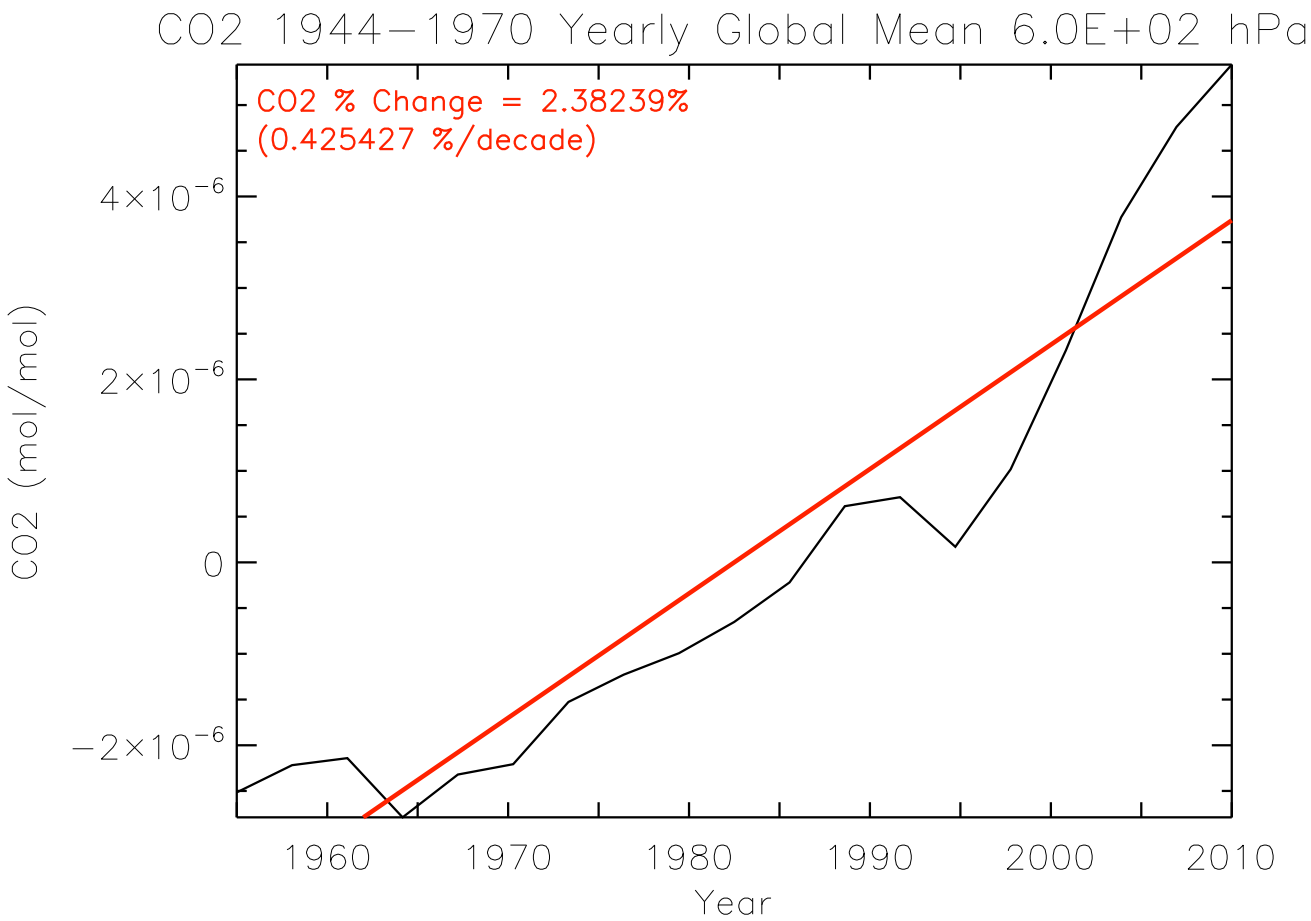

T 1944–1970 Yearly Global Mean 4.3E+02 hPa
T (K)
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
T Change = −0.170466 K
(−0.0304403 K/decade)
1960
1970
1980
1990
2000
2010
Year

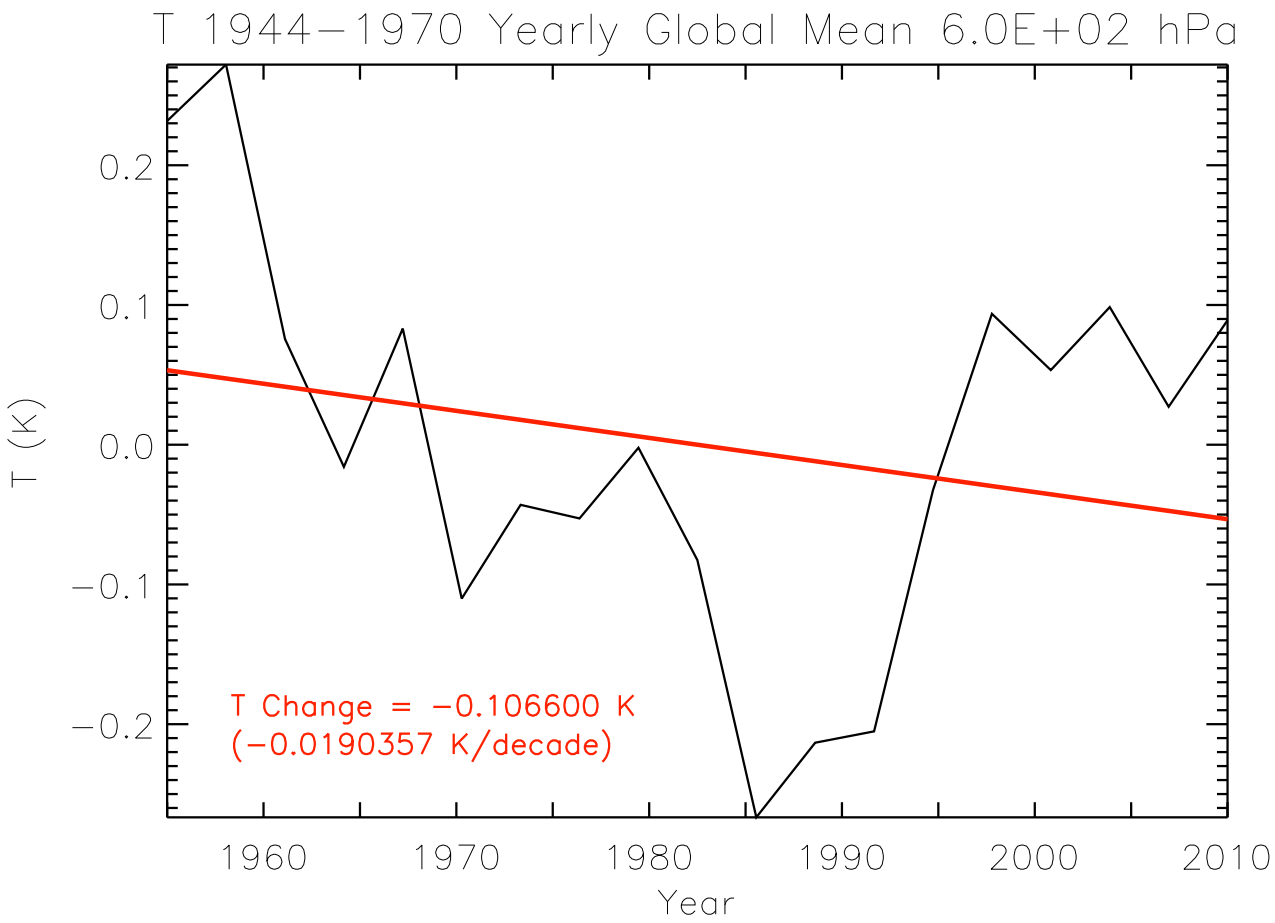

NO 1944–1970 Yearly Global Mean Residuals 4.3E+02 hPa
NO (mol/mol)
1.5×10−13
1.0×10−13
5.0×10−14
0
−5.0×10−14
−1.0×10−13
−1.5×10−13
1960
1970
1980
1990
2000
2010
Year

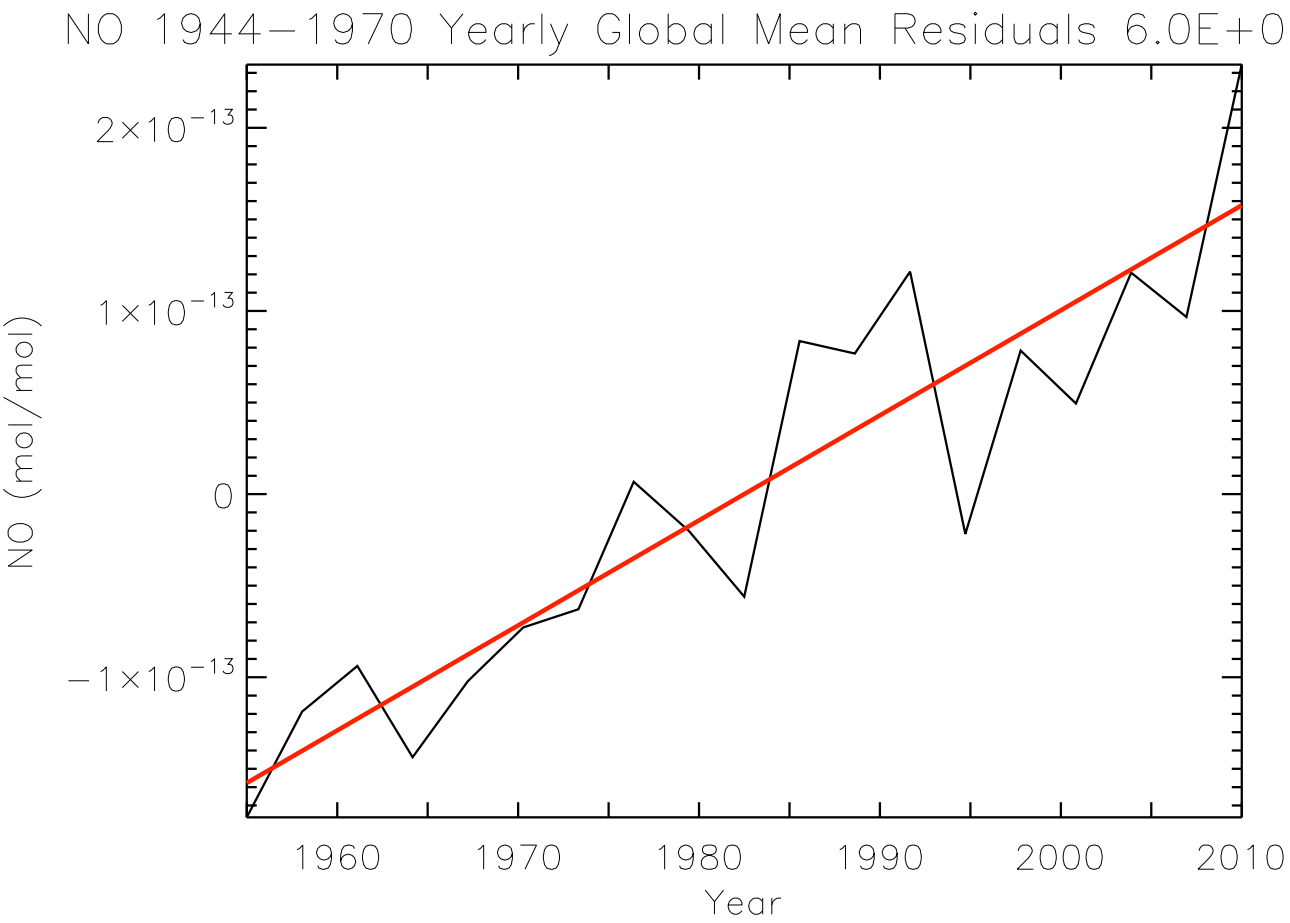

CO2 1944–1970 Yearly Global Mean 5.1E+02 hPa
CO2 % Change = 2.37906%
(0.424833 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

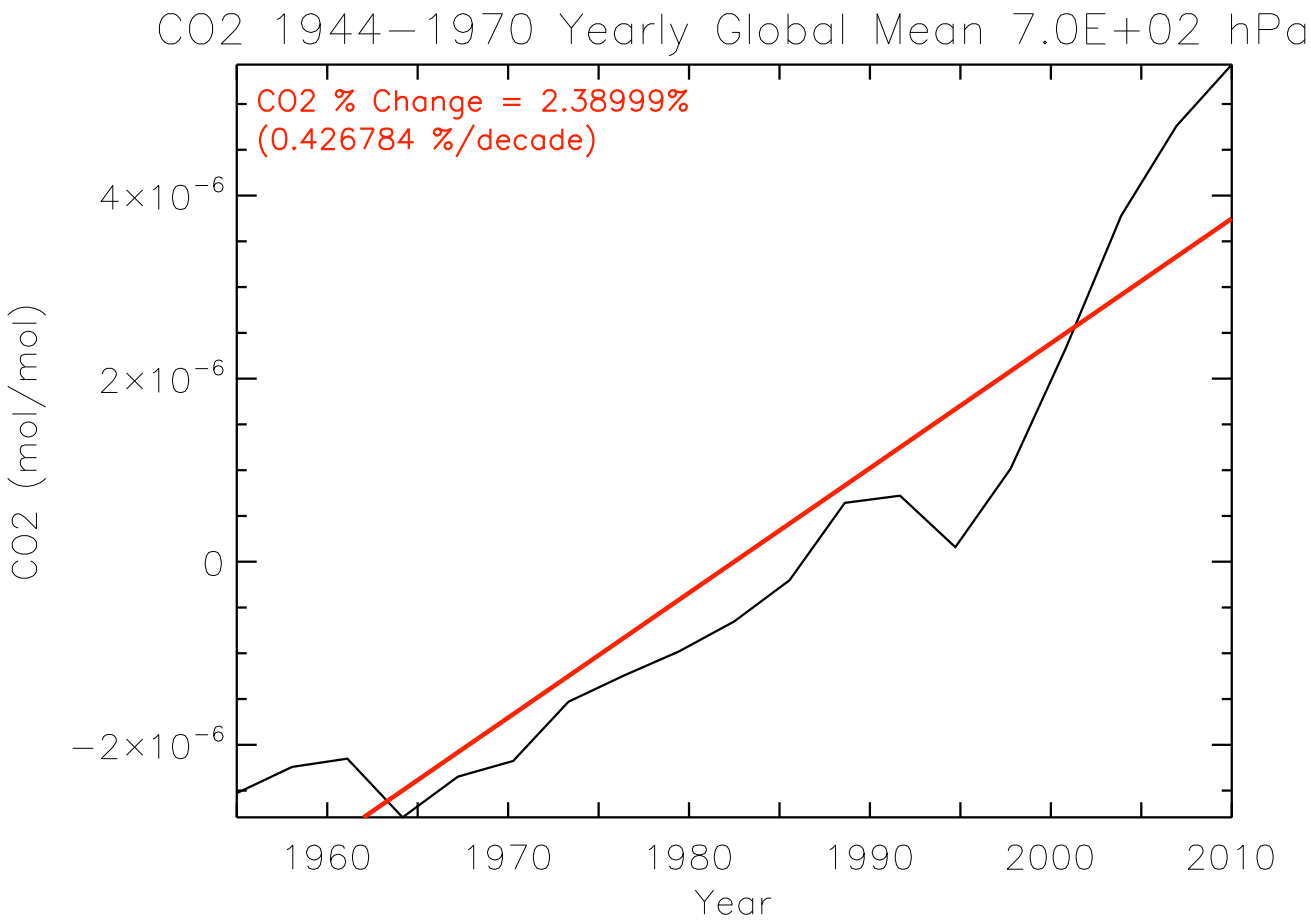

T 1944–1970 Yearly Global Mean 5.1E+02 hPa
T (K)
0.2
0.1
0.0
−0.1
−0.2
T Change = −0.122831 K
(−0.0219341 K/decade)
1960
1970
1980
1990
2000
2010
Year

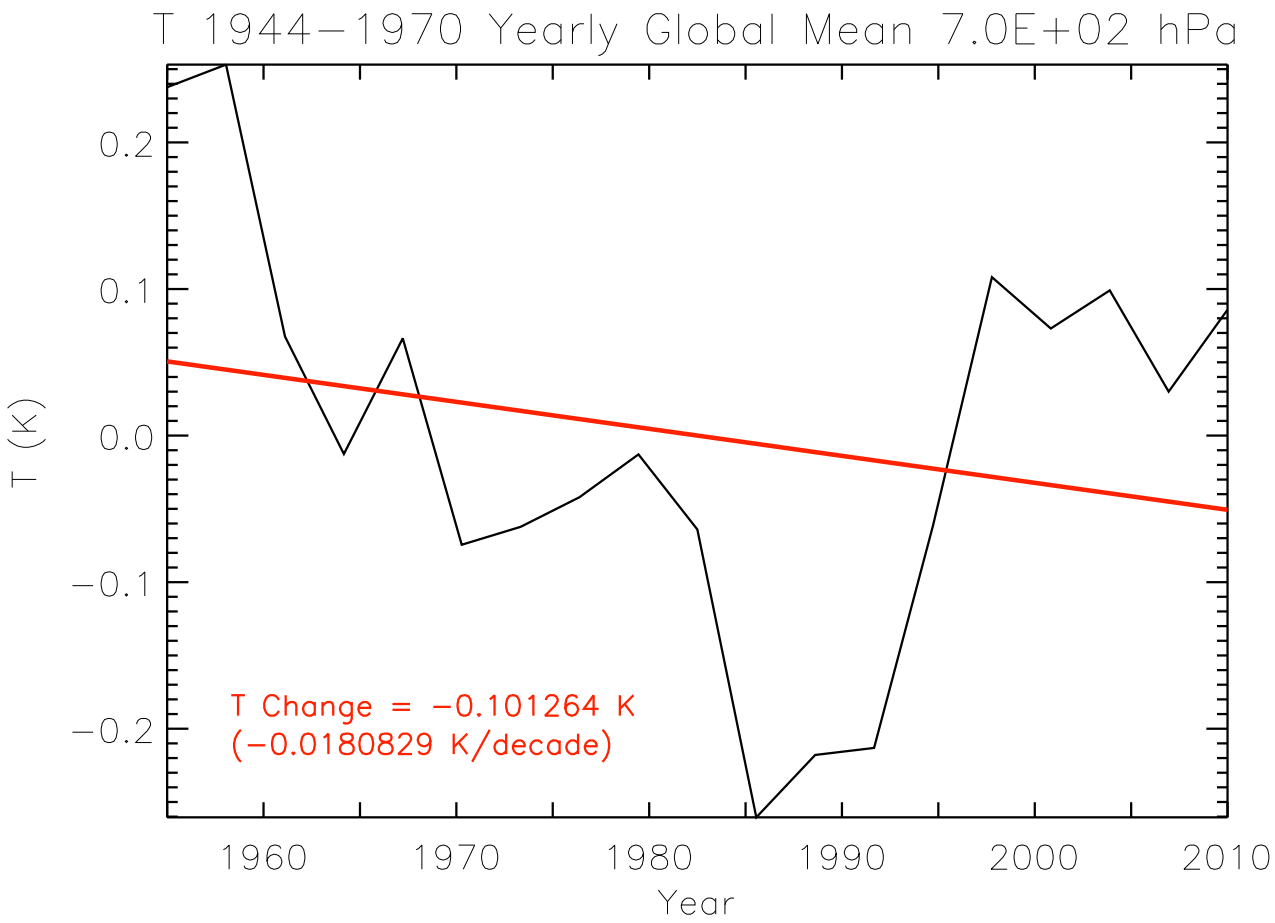

NO 1944–1970 Yearly Global Mean Residuals 5.1E+02 hPa
NO (mol/mol)
2×10⁻¹³
1×10⁻¹³
0
−1×10⁻¹³
−2×10⁻¹³
1960
1970
1980
1990
2000
2010
Year

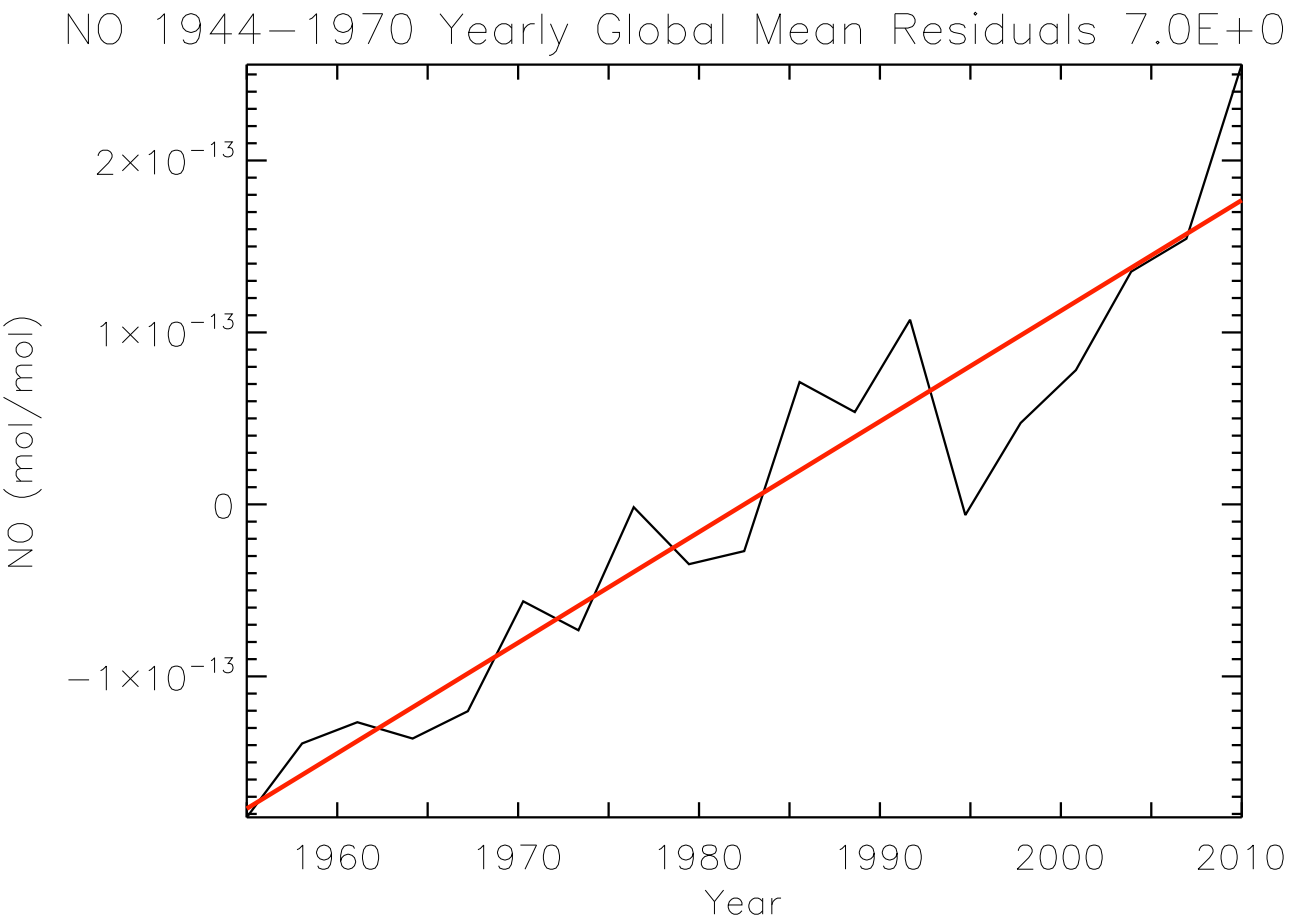

CO2 1944–1970 Yearly Global Mean 6.0E+02 hPa
CO2 % Change = 2.38239%
(0.425427 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

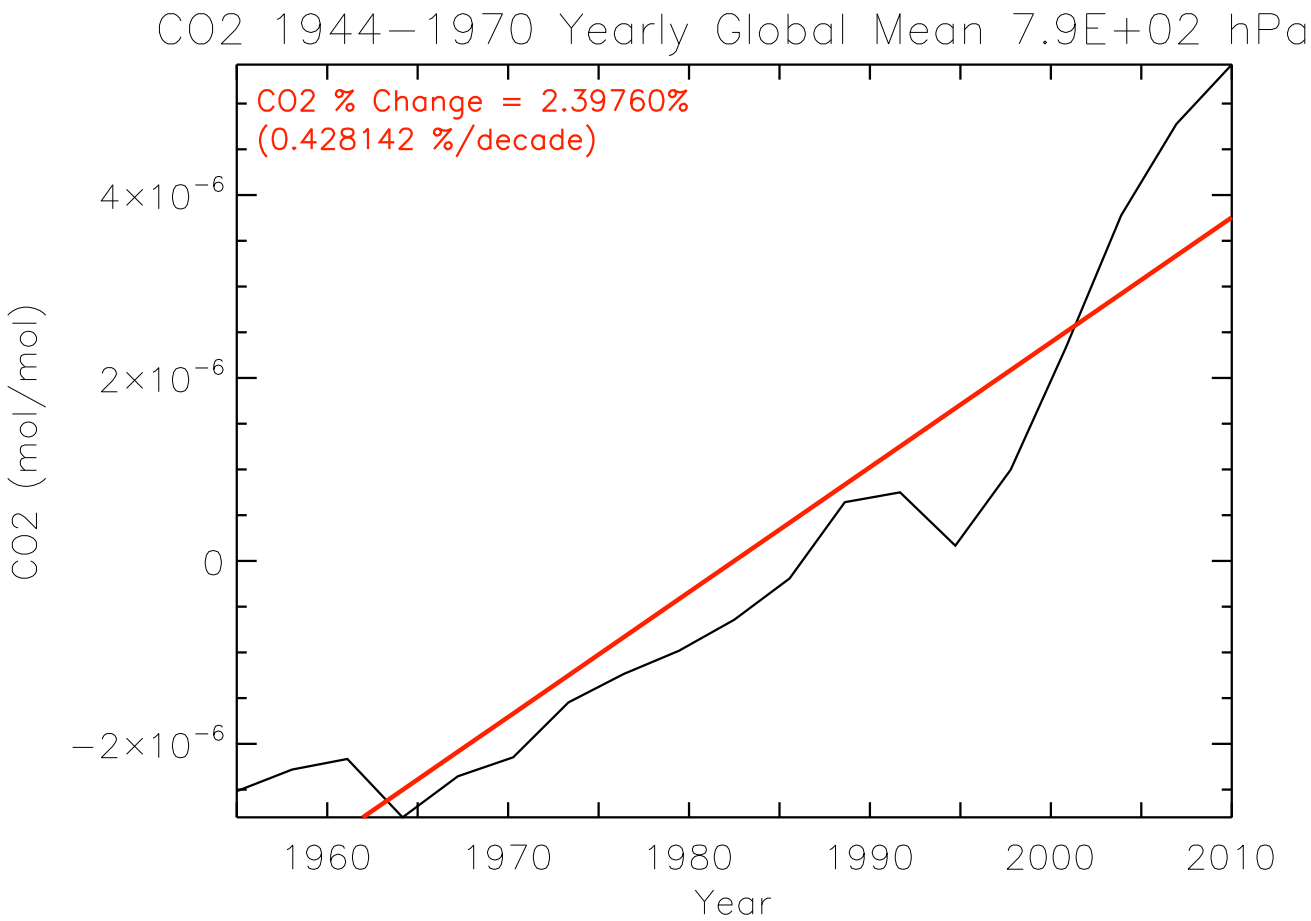

T 1944–1970 Yearly Global Mean 6.0E+02 hPa
0.2
0.1
0.0
−0.1
−0.2
T (K)
T Change = −0.106600 K
(−0.0190357 K/decade)
1960
1970
1980
1990
2000
2010
Year

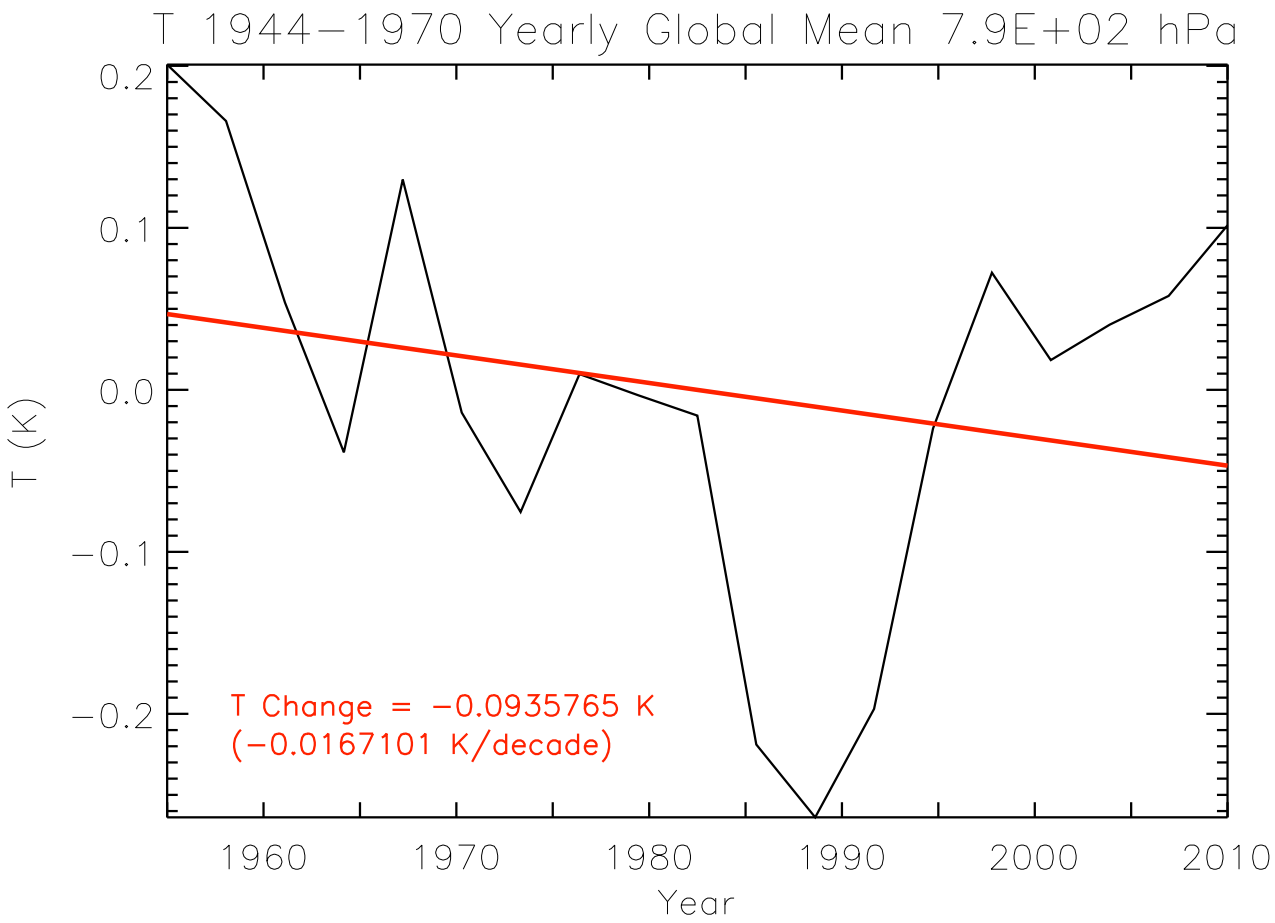

NO 1944–1970 Yearly Global Mean Residuals 6.0E+02 hPa
2×10⁻¹³
1×10⁻¹³
0
−1×10⁻¹³
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

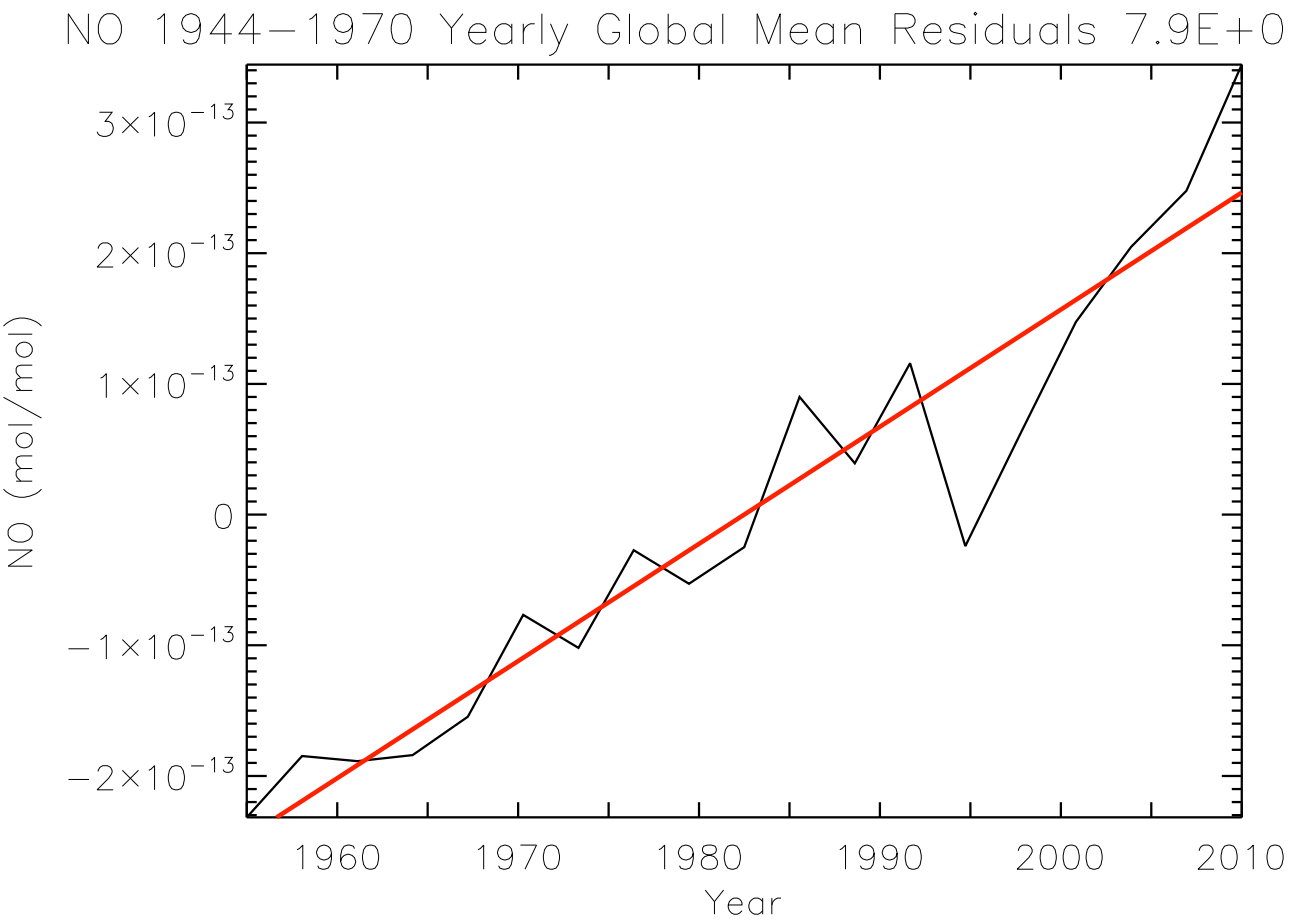

CO2 1944–1970 Yearly Global Mean 7.0E+02 hPa
CO2 % Change = 2.38999%
(0.426784 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

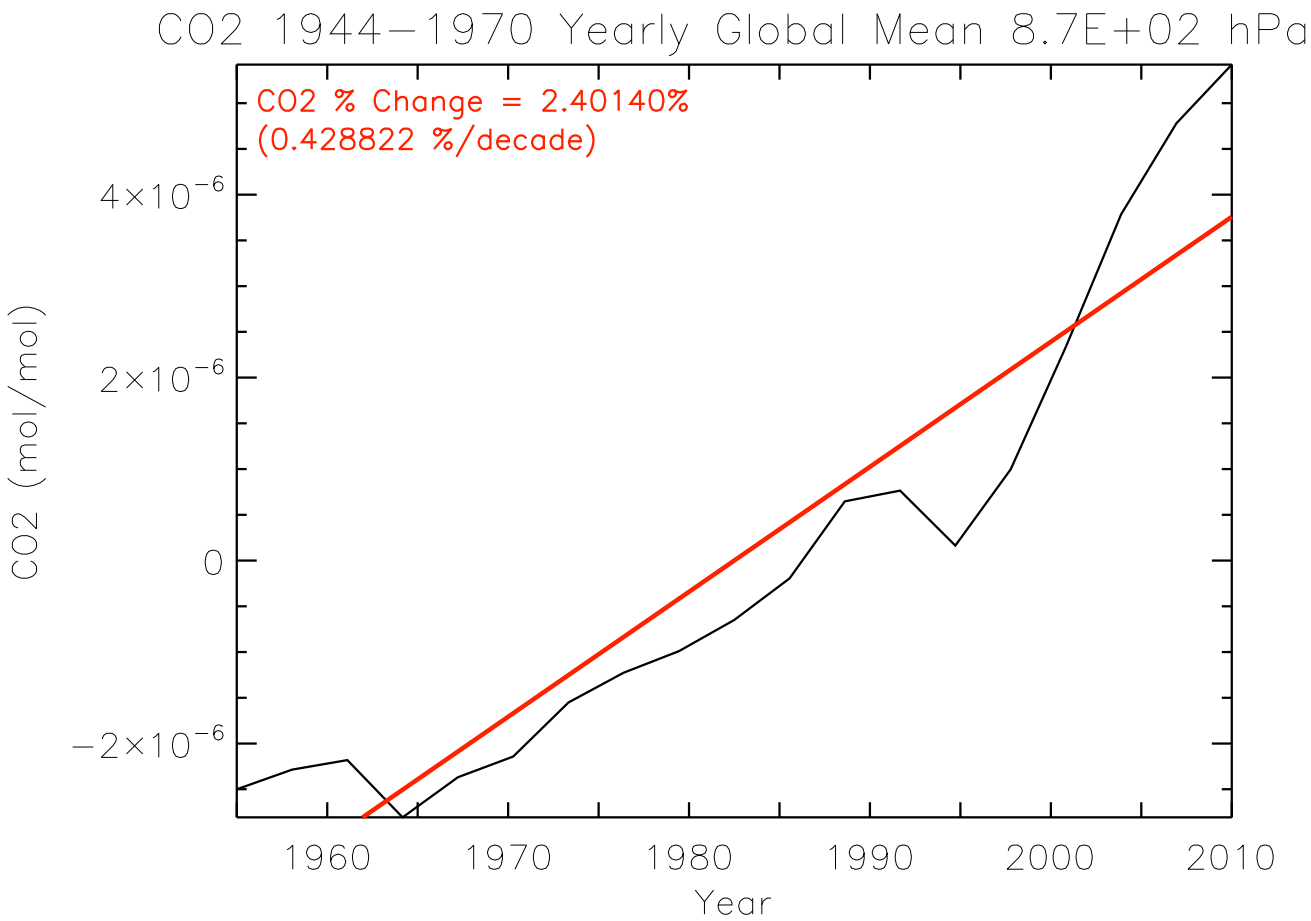

T 1944–1970 Yearly Global Mean 7.0E+02 hPa
0.2
0.1
0.0
−0.1
−0.2
T (K)
T Change = −0.101264 K
(−0.0180829 K/decade)
1960
1970
1980
1990
2000
2010
Year

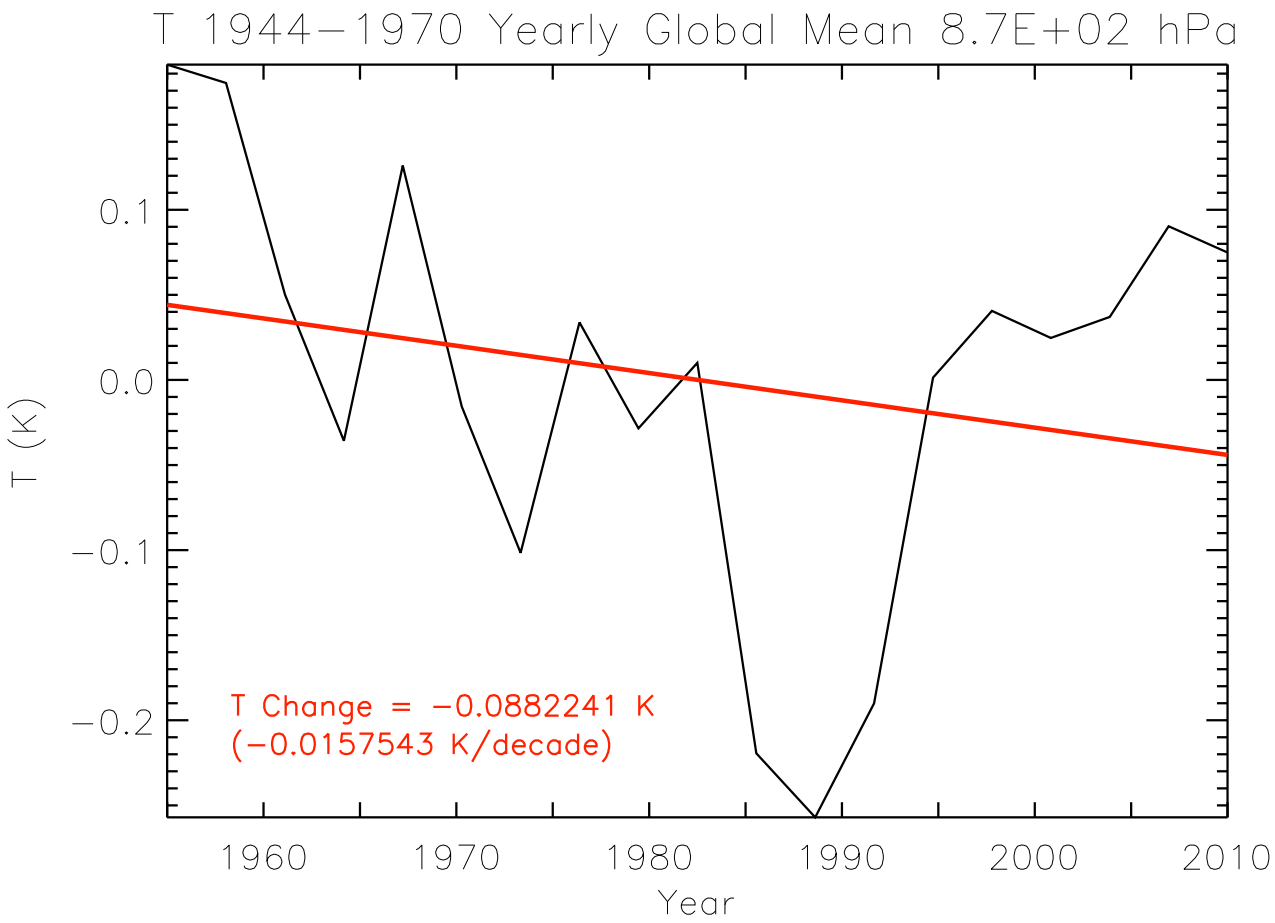

NO 1944–1970 Yearly Global Mean Residuals 7.0E+02 hPa
NO (mol/mol)
2×10⁻¹³
1×10⁻¹³
0
−1×10⁻¹³
1960
1970
1980
1990
2000
2010
Year

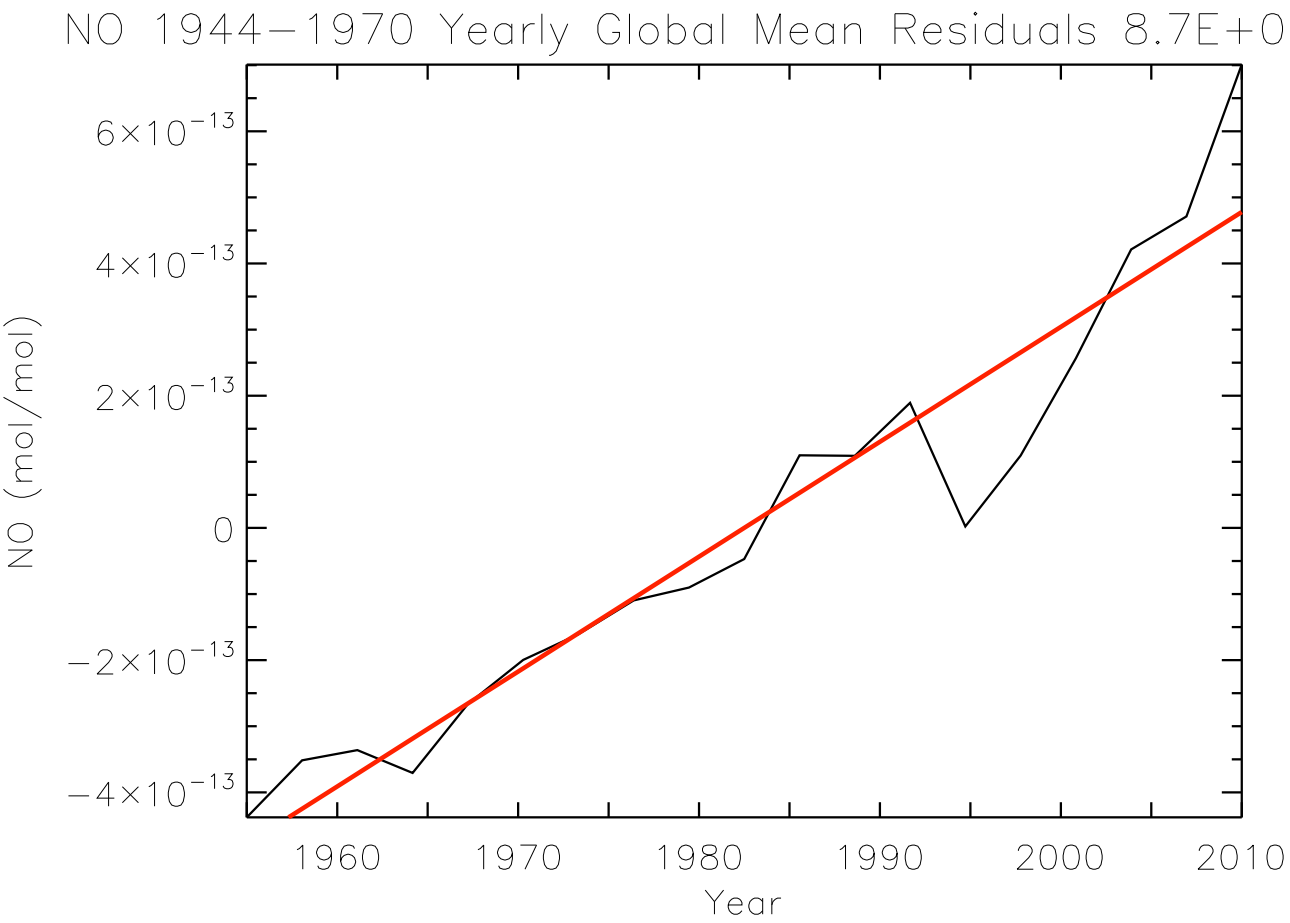

CO2 1944–1970 Yearly Global Mean 7.9E+02 hPa
CO2 % Change = 2.39760%
(0.428142 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

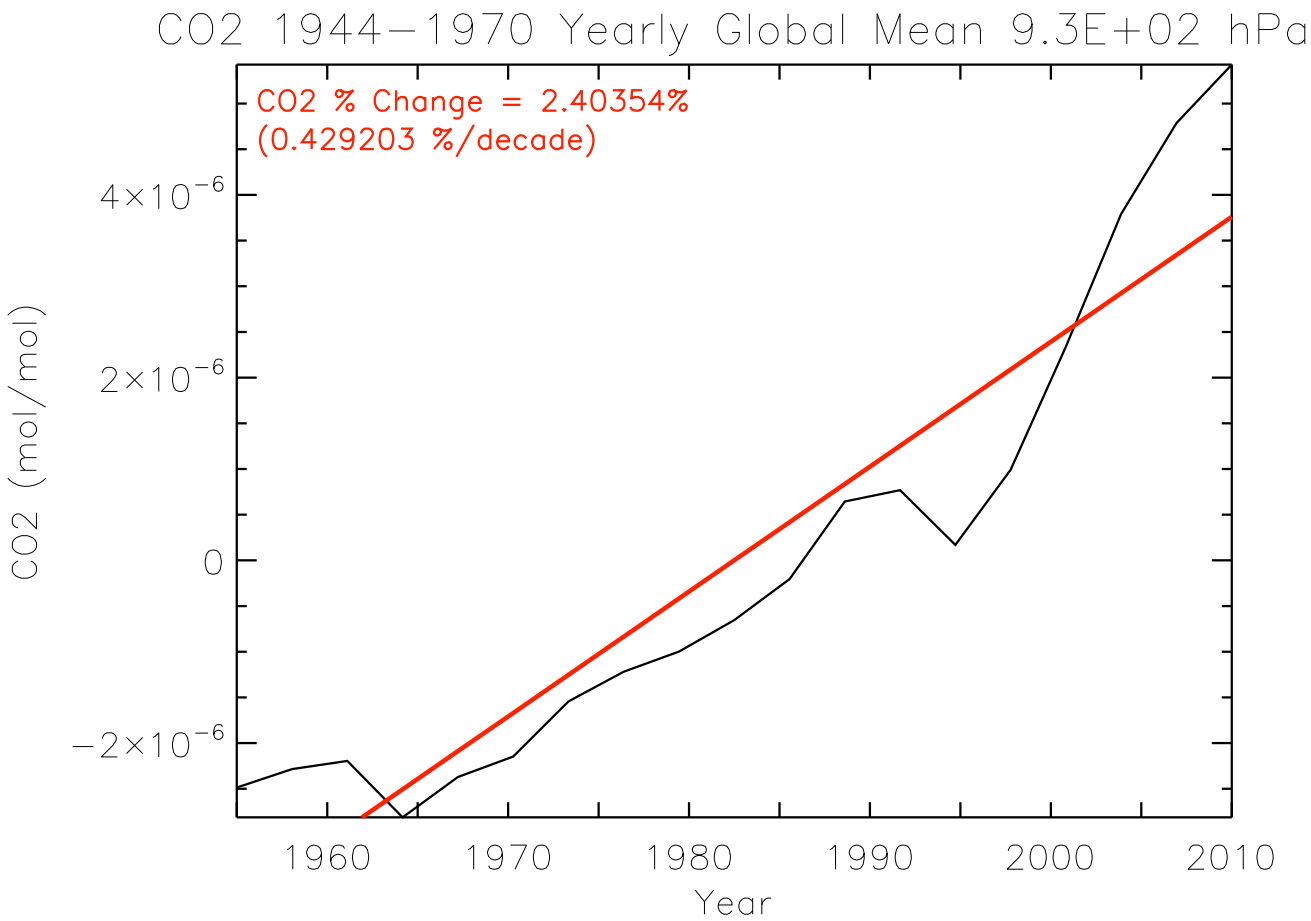

T 1944–1970 Yearly Global Mean 7.9E+02 hPa
0.2
0.1
0.0
−0.1
−0.2
T (K)
T Change = −0.0935765 K
(−0.0167101 K/decade)
1960
1970
1980
1990
2000
2010
Year

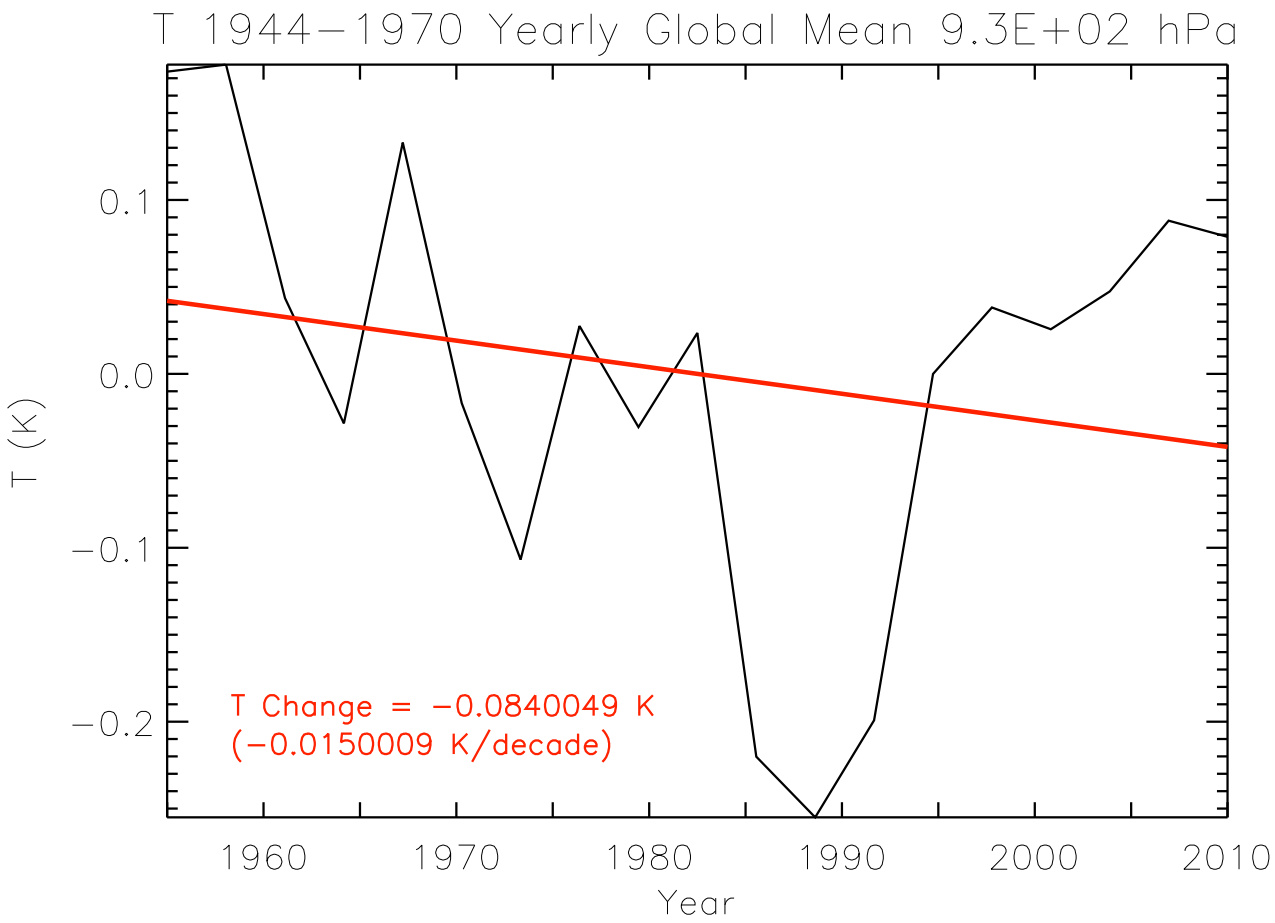

NO 1944–1970 Yearly Global Mean Residuals 7.9E+02 hPa
NO (mol/mol)
3×10⁻¹³
2×10⁻¹³
1×10⁻¹³
0
−1×10⁻¹³
−2×10⁻¹³
1960
1970
1980
1990
2000
2010
Year

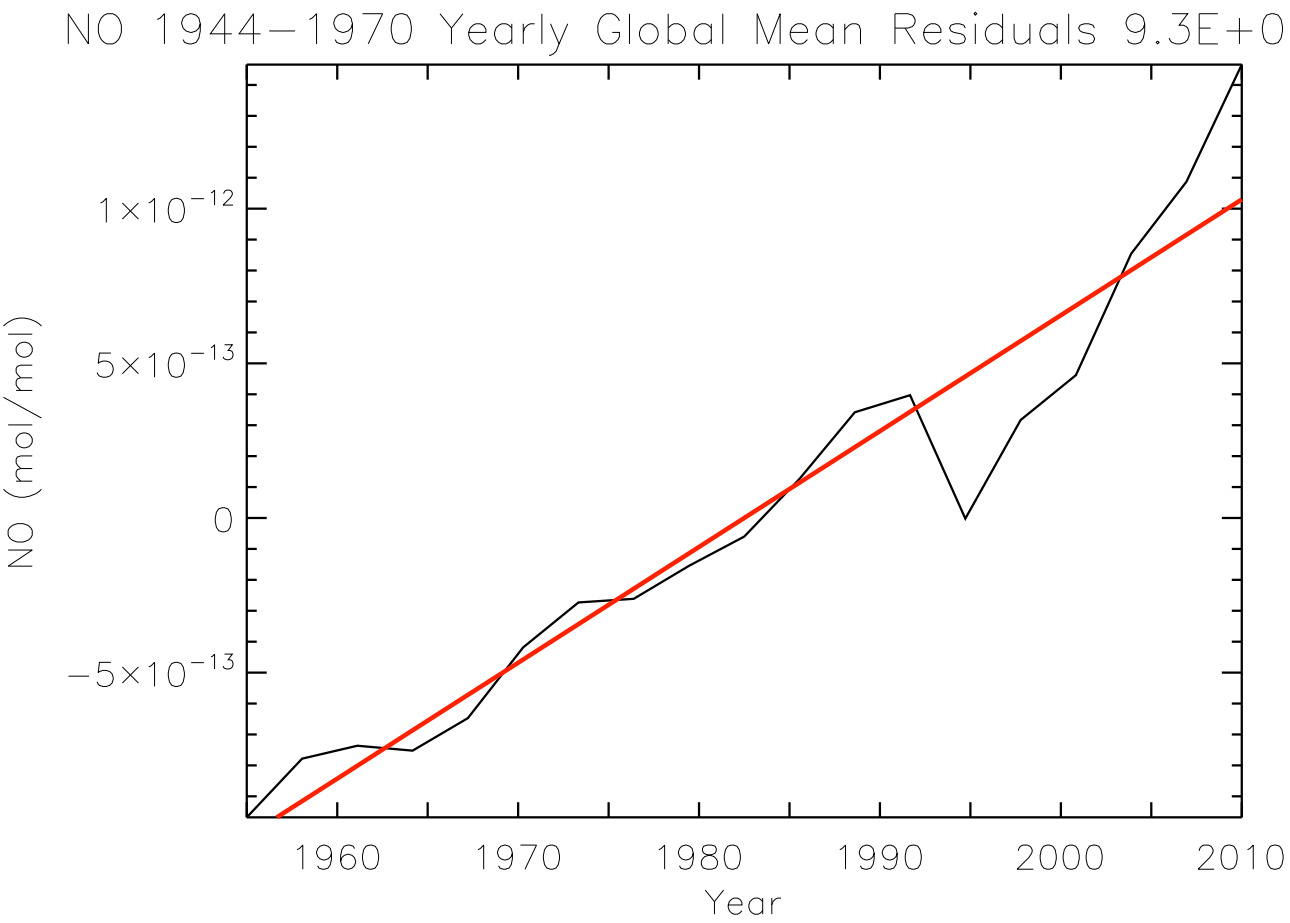

CO2 1944–1970 Yearly Global Mean 8.7E+02 hPa
CO2 % Change = 2.40140%
(0.428822 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

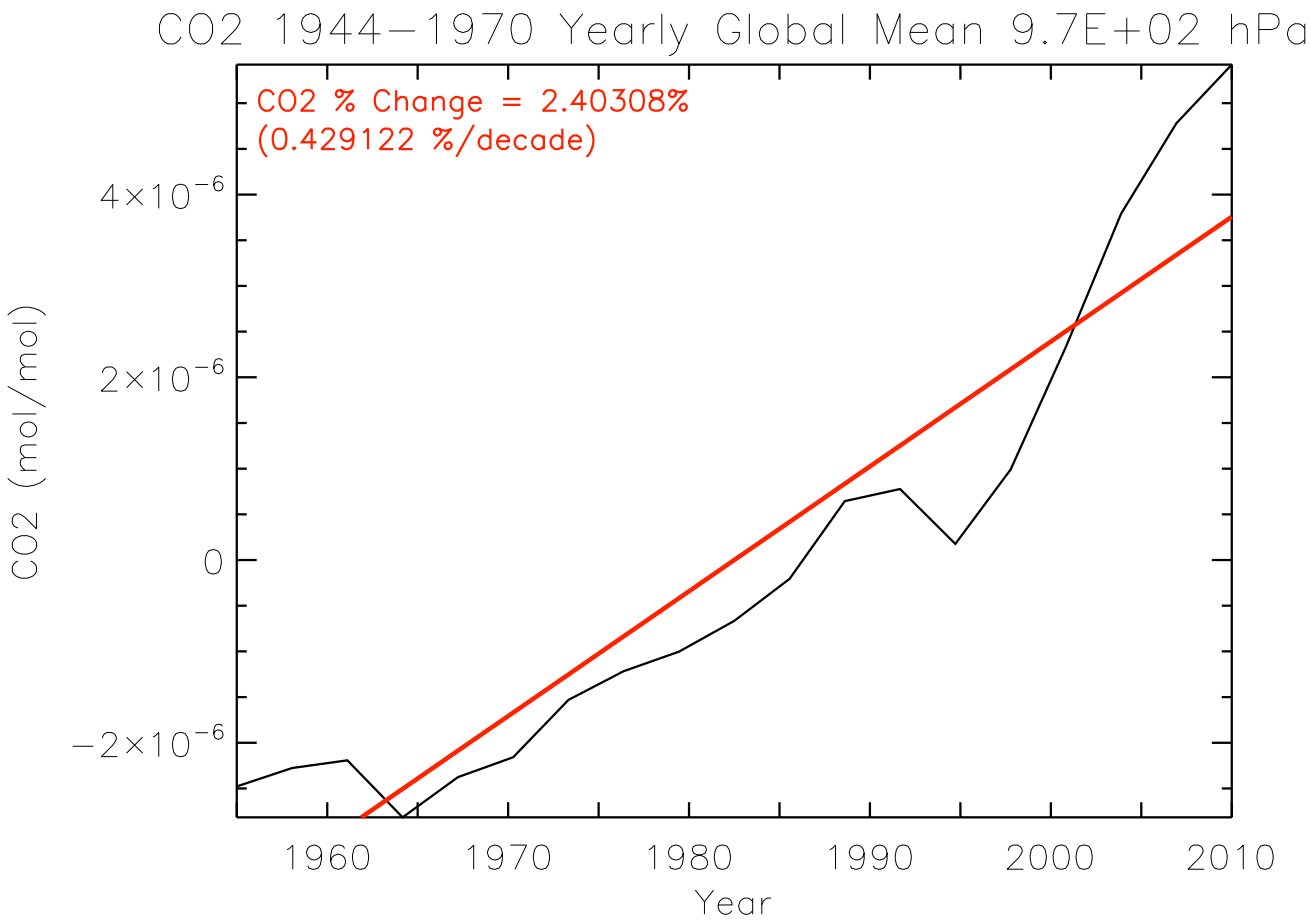

T 1944–1970 Yearly Global Mean 8.7E+02 hPa
0.1
0.0
−0.1
−0.2
T (K)
T Change = −0.0882241 K
(−0.0157543 K/decade)
1960
1970
1980
1990
2000
2010
Year

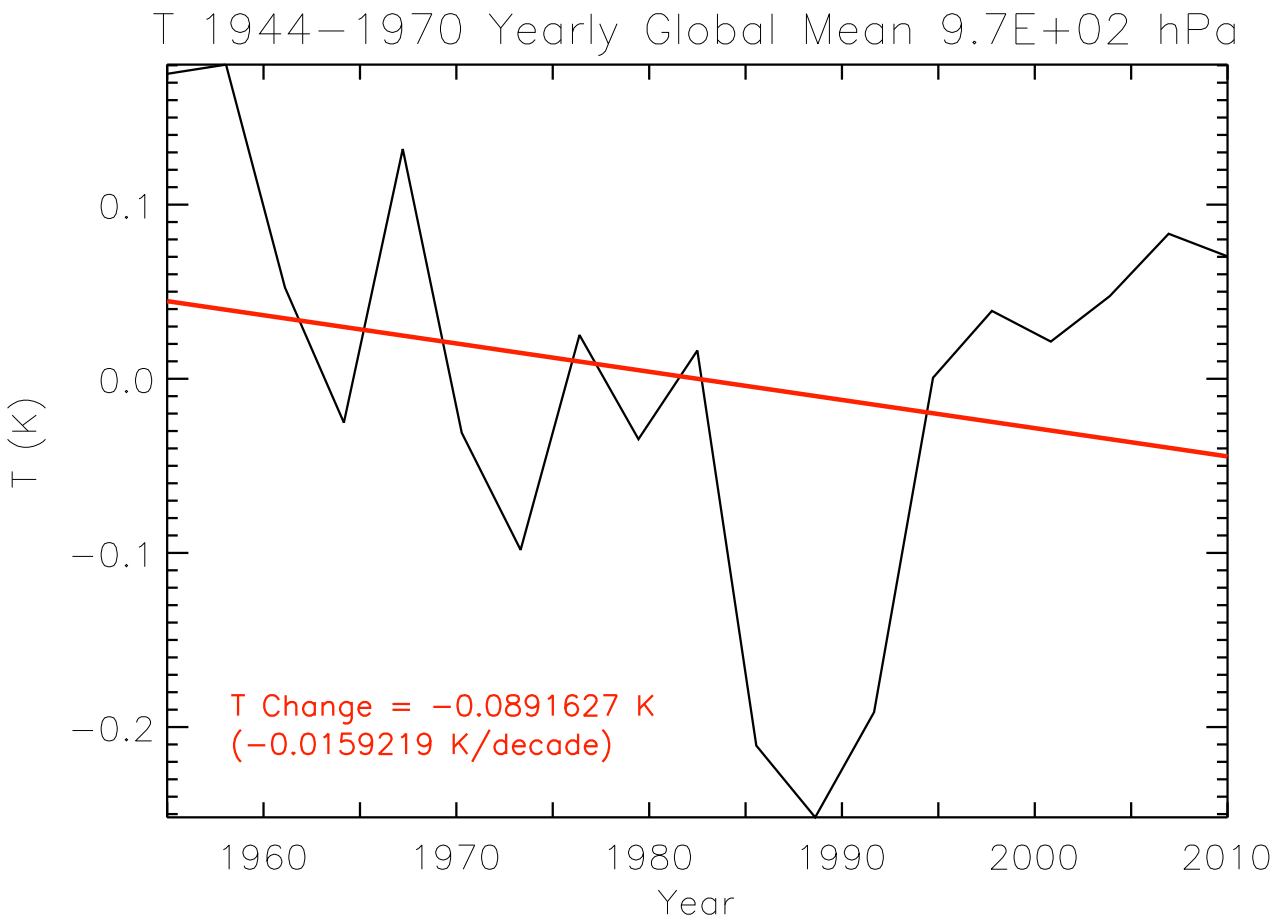

NO 1944–1970 Yearly Global Mean Residuals 8.7E+02 hPa
6×10⁻¹³
4×10⁻¹³
2×10⁻¹³
0
−2×10⁻¹³
−4×10⁻¹³
NO (mol/mol)
1960
1970
1980
1990
2000
2010
Year

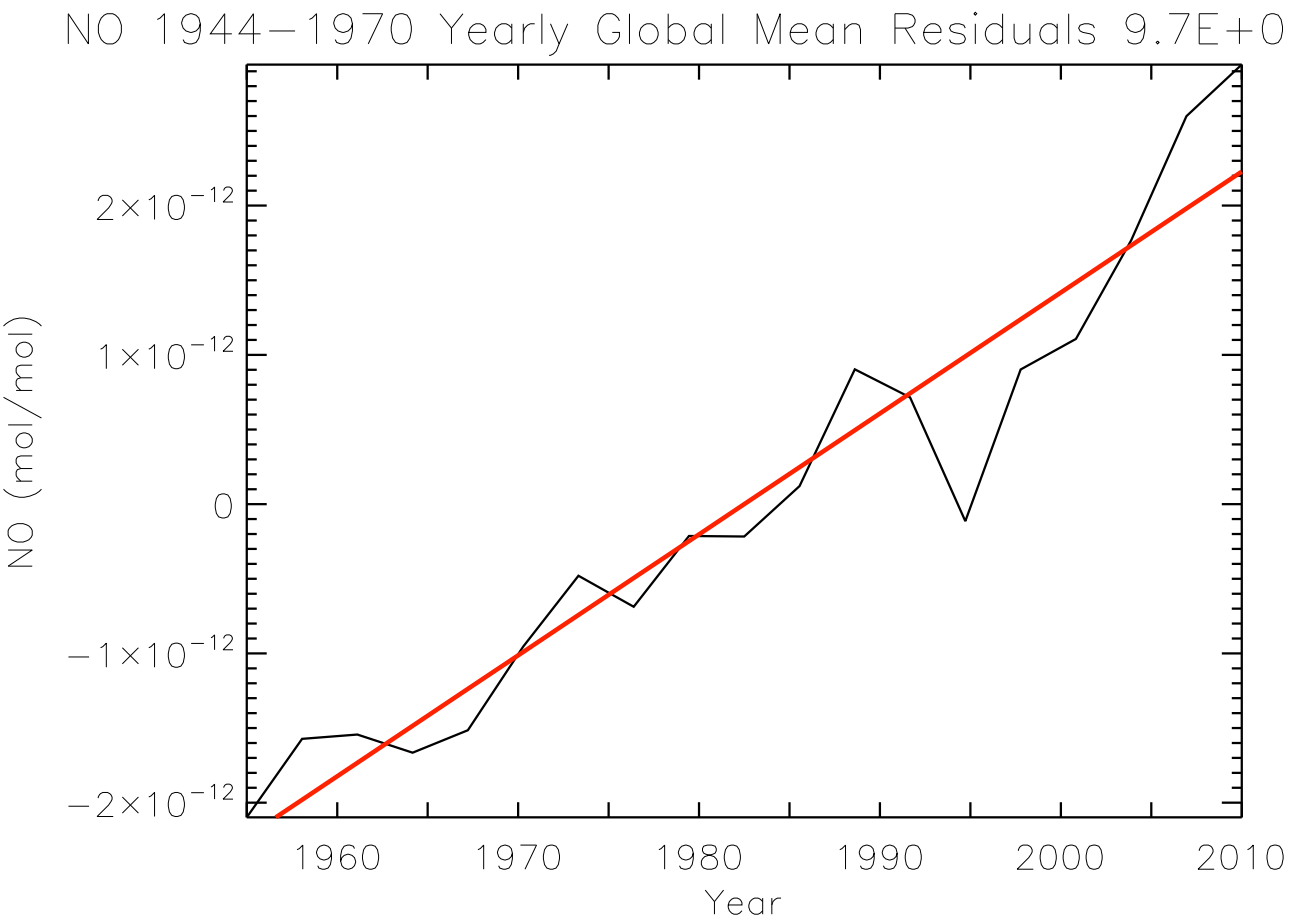

CO2 1944–1970 Yearly Global Mean 9.3E+02 hPa
CO2 % Change = 2.40354%
(0.429203 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

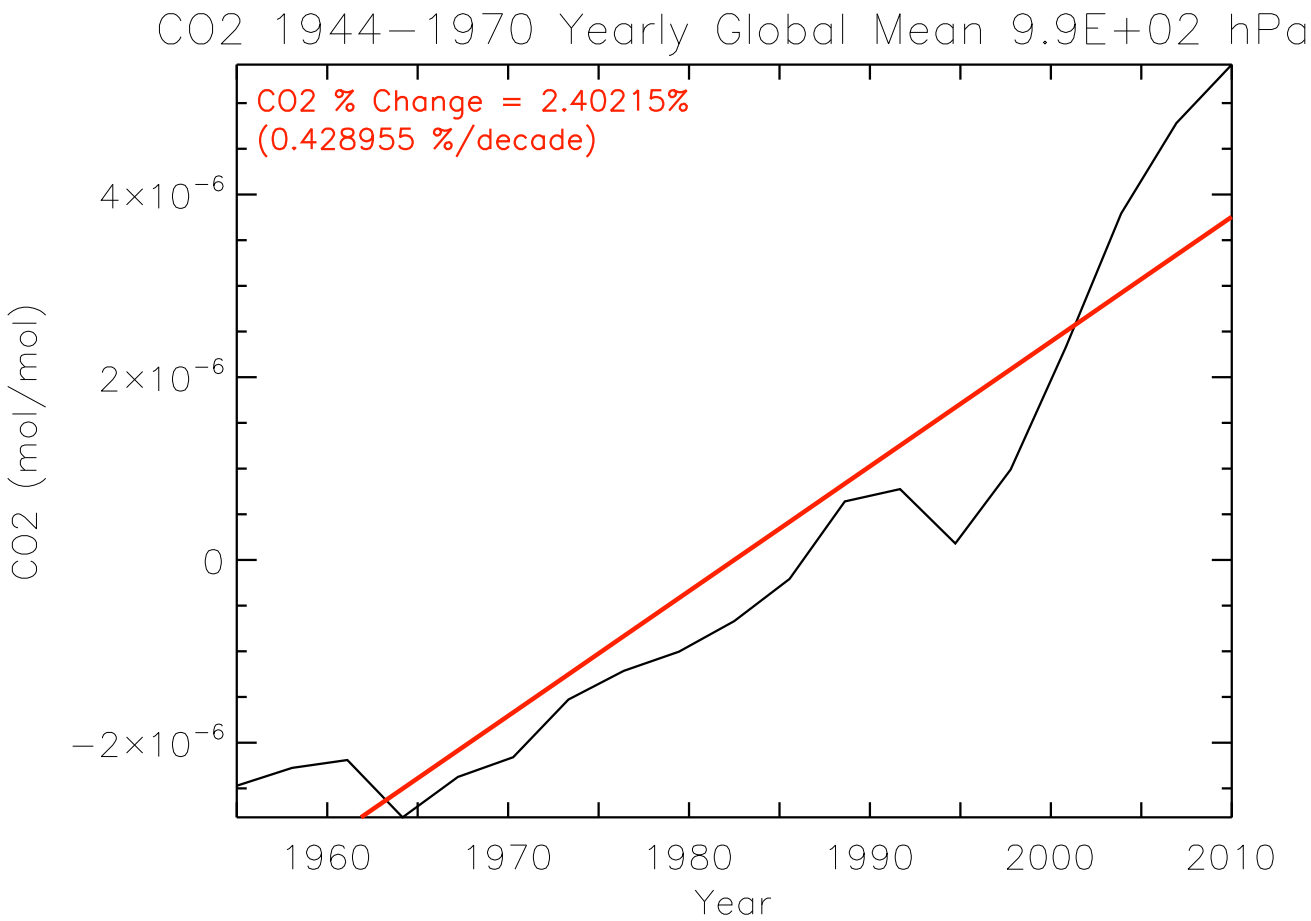

T 1944–1970 Yearly Global Mean 9.3E+02 hPa
0.1
0.0
−0.1
−0.2
T (K)
T Change = −0.0840049 K
(−0.0150009 K/decade)
1960
1970
1980
1990
2000
2010
Year

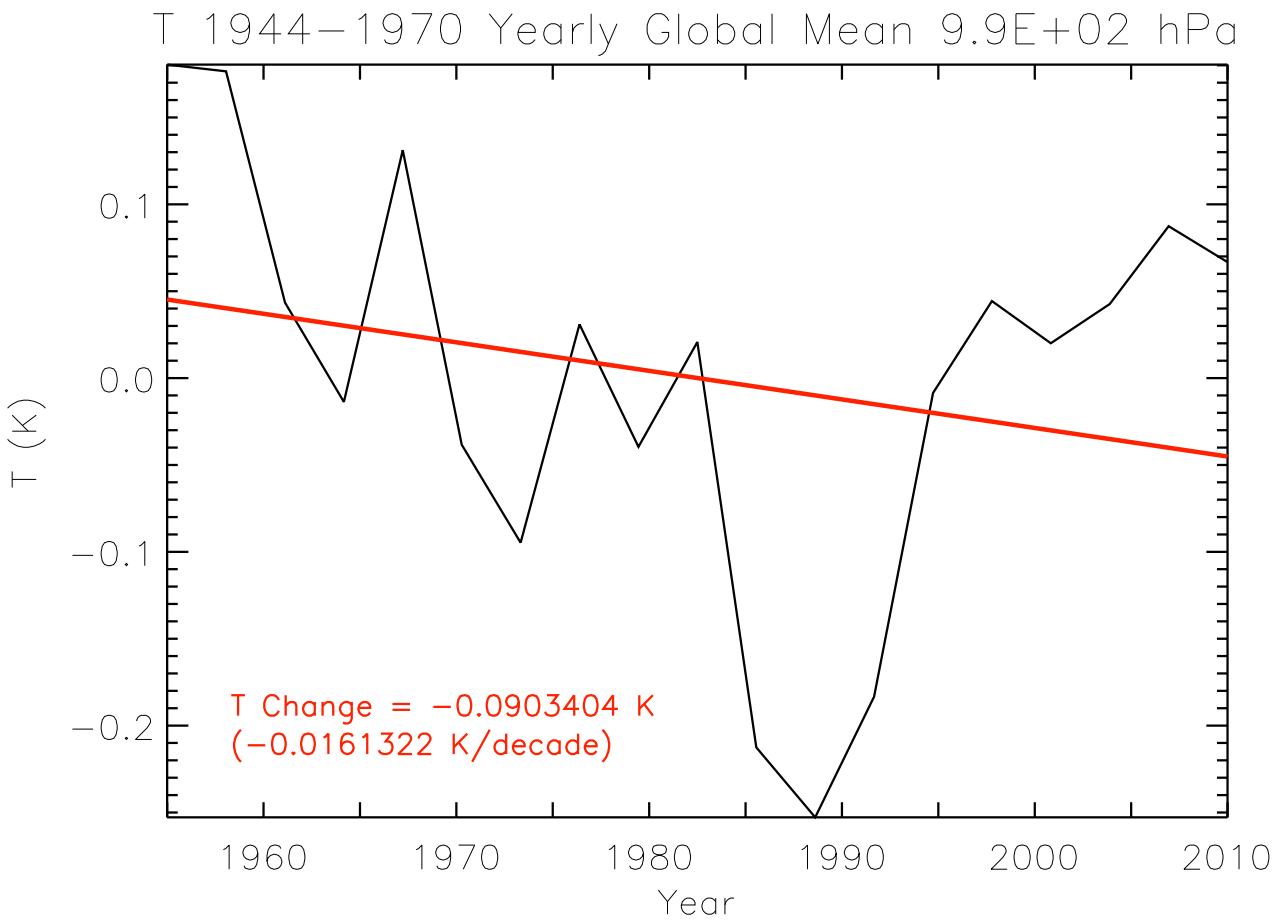

NO 1944–1970 Yearly Global Mean Residuals 9.3E+02 hPa
NO (mol/mol)
1×10⁻¹²
5×10⁻¹³
0
−5×10⁻¹³
1960
1970
1980
1990
2000
2010
Year

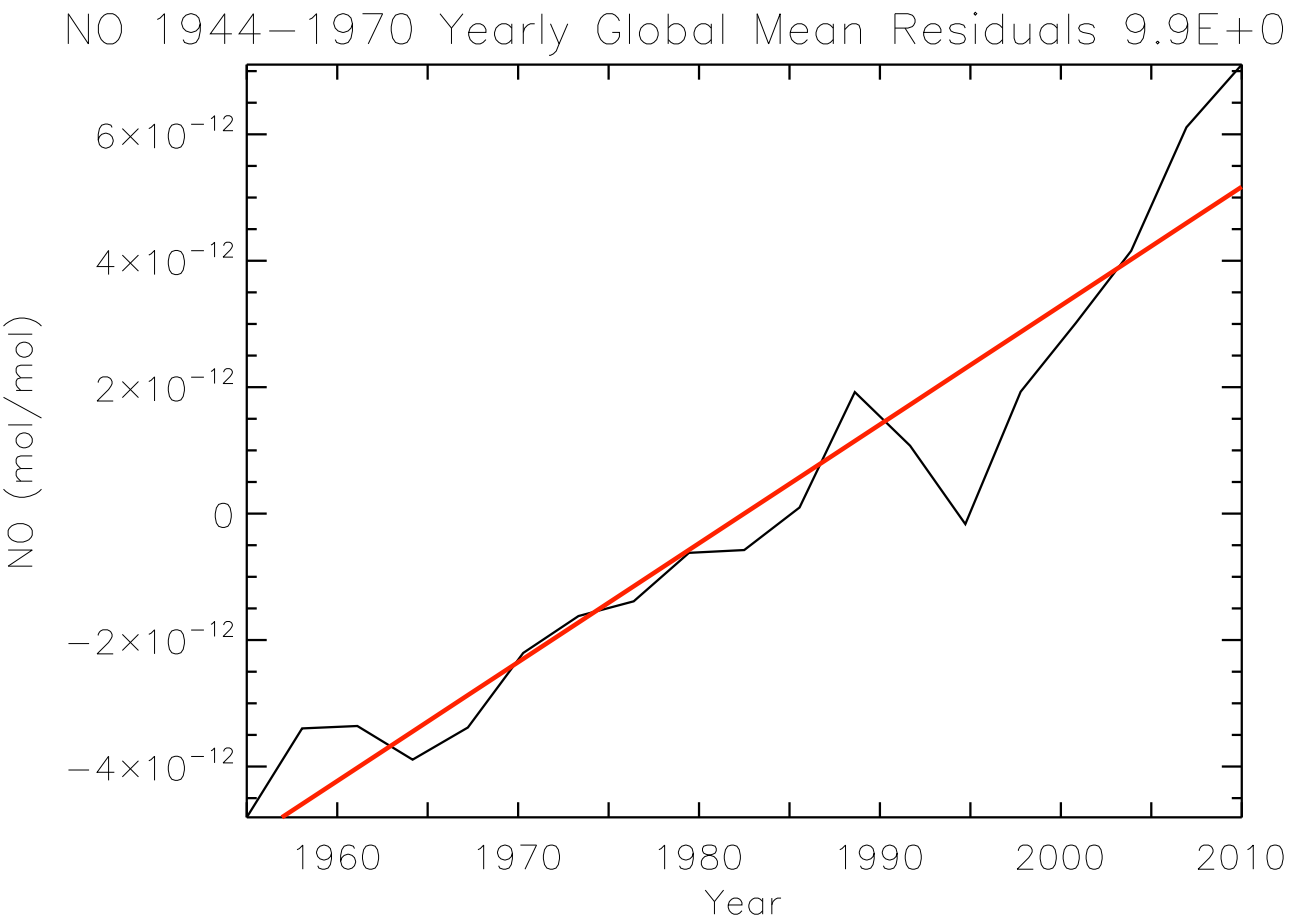

CO2 1944–1970 Yearly Global Mean 9.7E+02 hPa
CO2 % Change = 2.40308%
(0.429122 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year

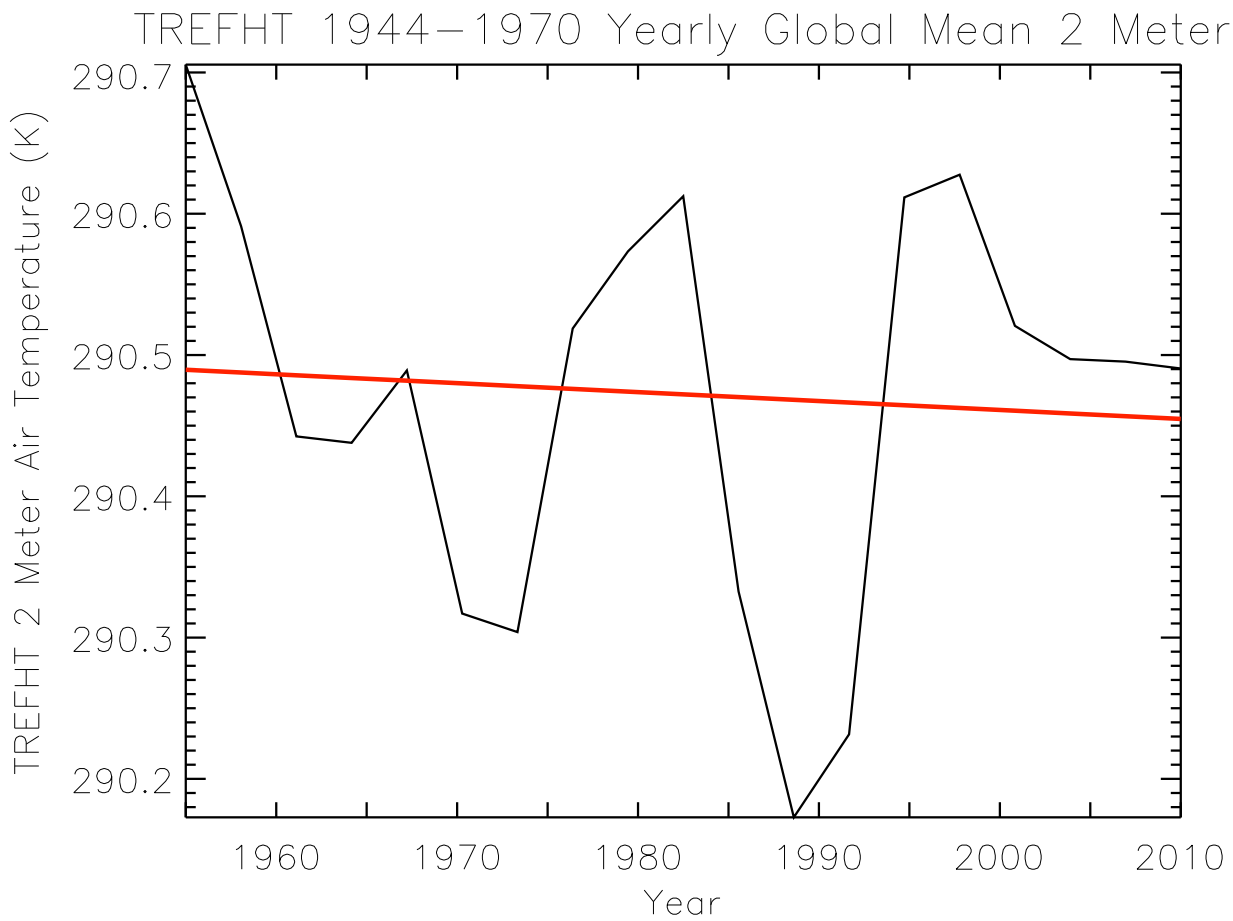

T 1944–1970 Yearly Global Mean 9.7E+02 hPa
0.1
0.0
−0.1
−0.2
T (K)
T Change = −0.0891627 K
(−0.0159219 K/decade)
1960
1970
1980
1990
2000
2010
Year


NO 1944–1970 Yearly Global Mean Residuals 9.7E+02 hPa
NO (mol/mol)
2×10⁻¹²
1×10⁻¹²
0
−1×10⁻¹²
−2×10⁻¹²
1960
1970
1980
1990
2000
2010
Year


CO2 1944–1970 Yearly Global Mean 9.9E+02 hPa
CO2 % Change = 2.40215%
(0.428955 %/decade)
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
CO2 (mol/mol)
1960
1970
1980
1990
2000
2010
Year


T 1944–1970 Yearly Global Mean 9.9E+02 hPa
T (K)
0.1
0.0
−0.1
−0.2
T Change = −0.0903404 K
(−0.0161322 K/decade)
1960
1970
1980
1990
2000
2010
Year


NO 1944–1970 Yearly Global Mean Residuals 9.9E+02 hPa
NO (mol/mol)
6×10⁻¹²
4×10⁻¹²
2×10⁻¹²
0
−2×10⁻¹²
−4×10⁻¹²
1960
1970
1980
1990
2000
2010
Year


TREFHT 1944–1970 Yearly Global Mean 2 Meter
TREFHT 2 Meter Air Temperature (K)
290.7
290.6
290.5
290.4
290.3
290.2
1960
1970
1980
1990
2000
2010
Year