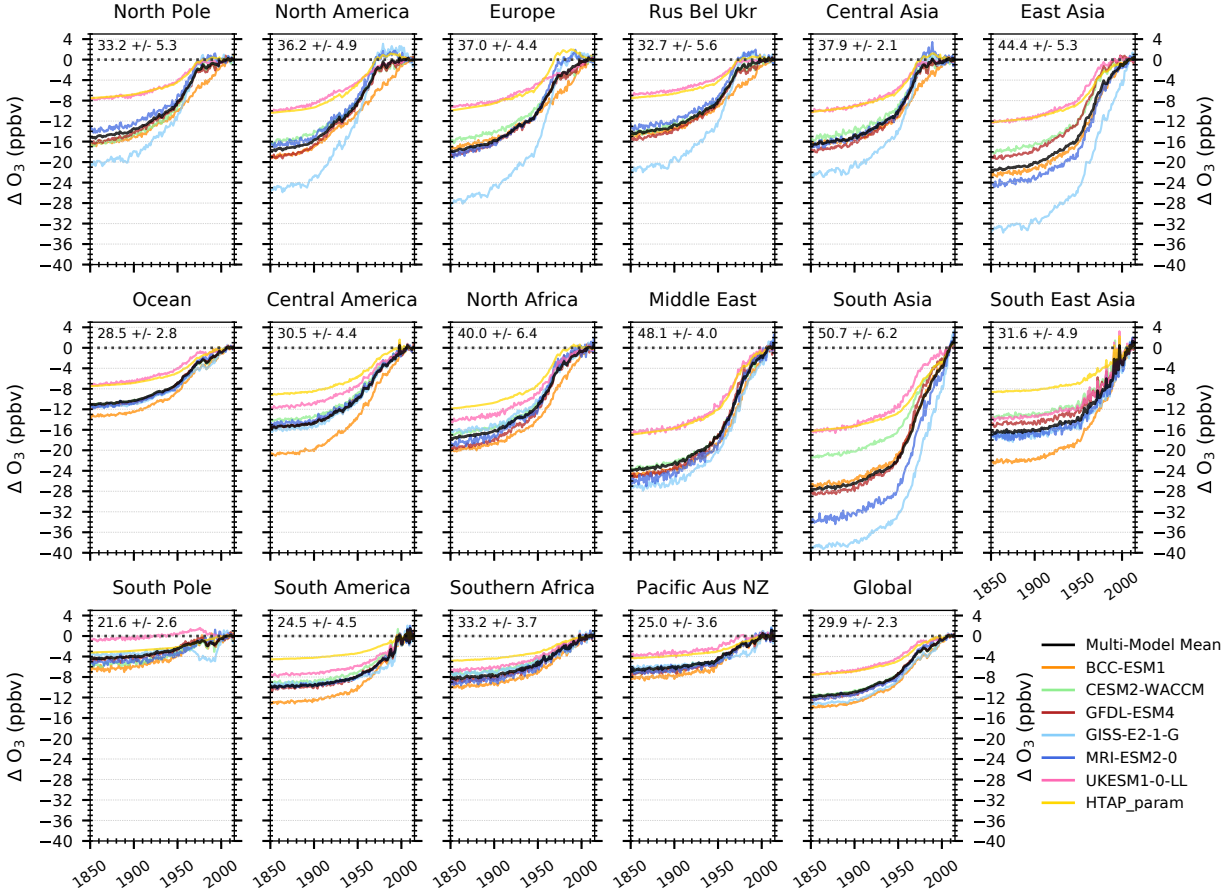
North Pole
33.2 +/- 5.3
North America
36.2 +/- 4.9
Europe
37.0 +/- 4.4
Rus Bel Ukr
32.7 +/- 5.6
Central Asia
37.9 +/- 2.1
East Asia
44.4 +/- 5.3
Ocean
28.5 +/- 2.8
Central America
30.5 +/- 4.4
North Africa
40.0 +/- 6.4
Middle East
48.1 +/- 4.0
South Asia
50.7 +/- 6.2
South East Asia
31.6 +/- 4.9
South Pole
21.6 +/- 2.6
South America
24.5 +/- 4.5
Southern Africa
33.2 +/- 3.7
Pacific Aus NZ
25.0 +/- 3.6
Global
29.9 +/- 2.3
Δ O3 (ppbv)
4
0
−4
−8
−12
−16
−20
−24
−28
−32
−36
−40
1850
1900
1950
2000
Multi-Model Mean
BCC-ESM1
CESM2-WACCM
GFDL-ESM4
GISS-E2-1-G
MRI-ESM2-0
UKESM1-0-LL
HTAP_param