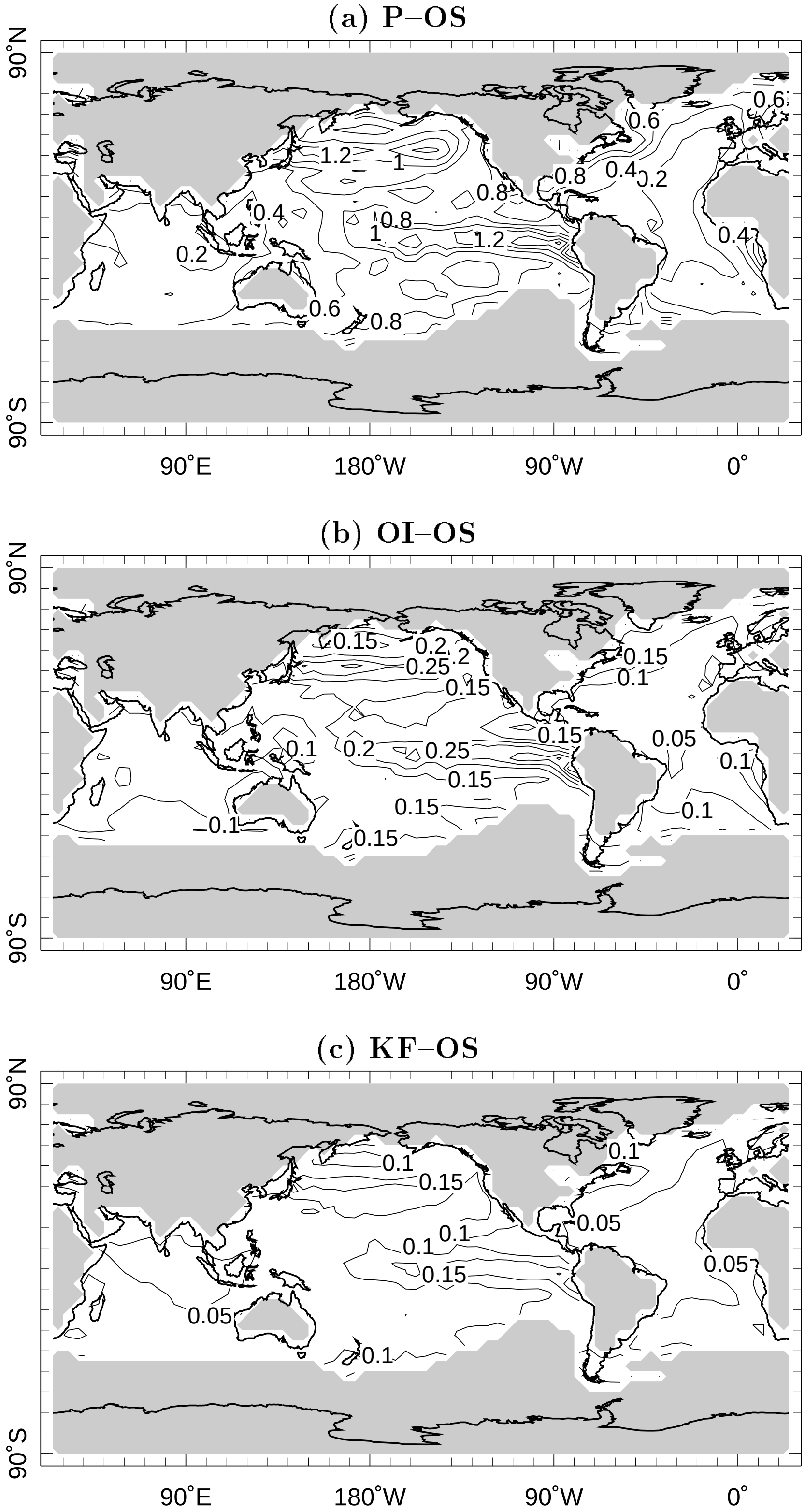
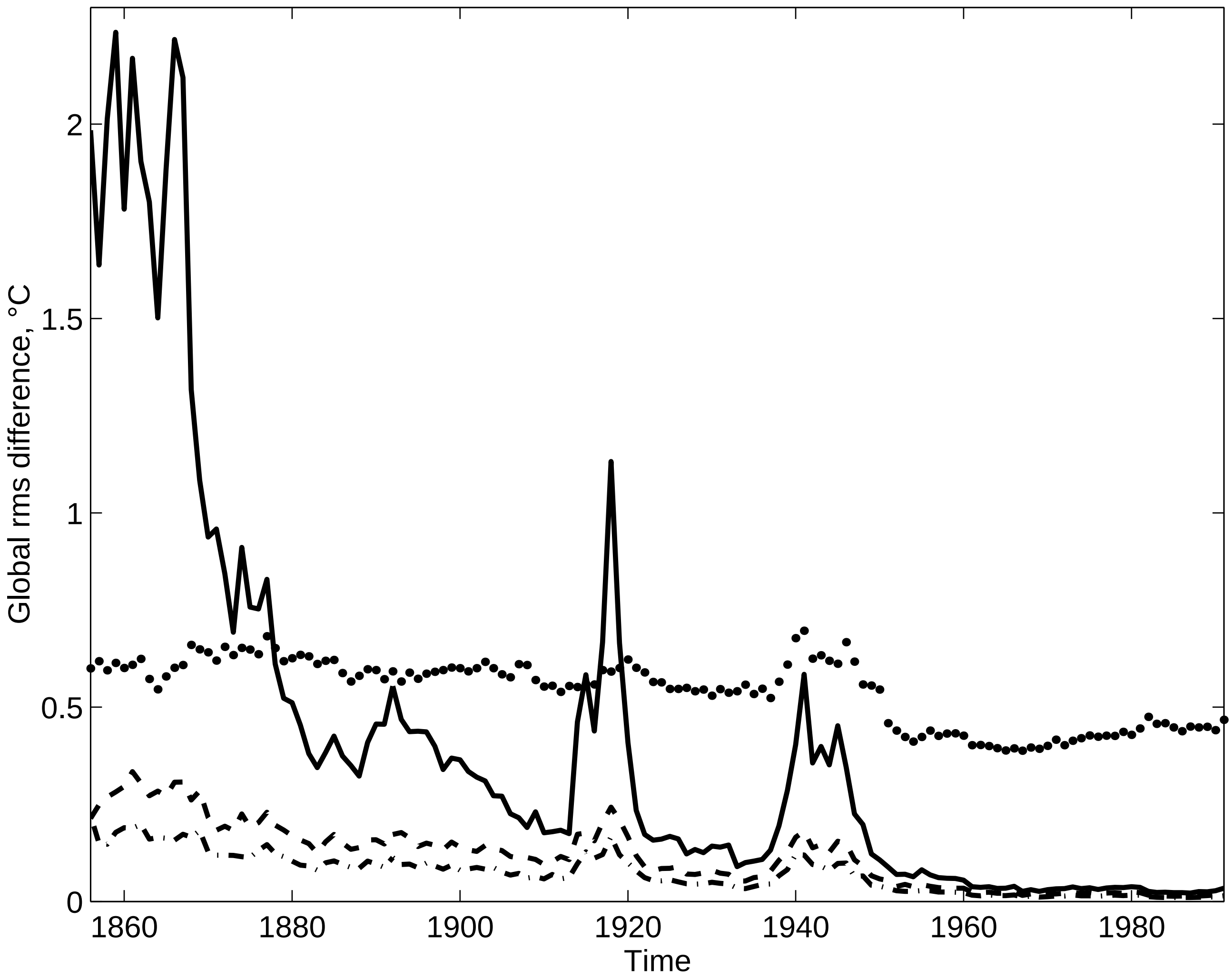
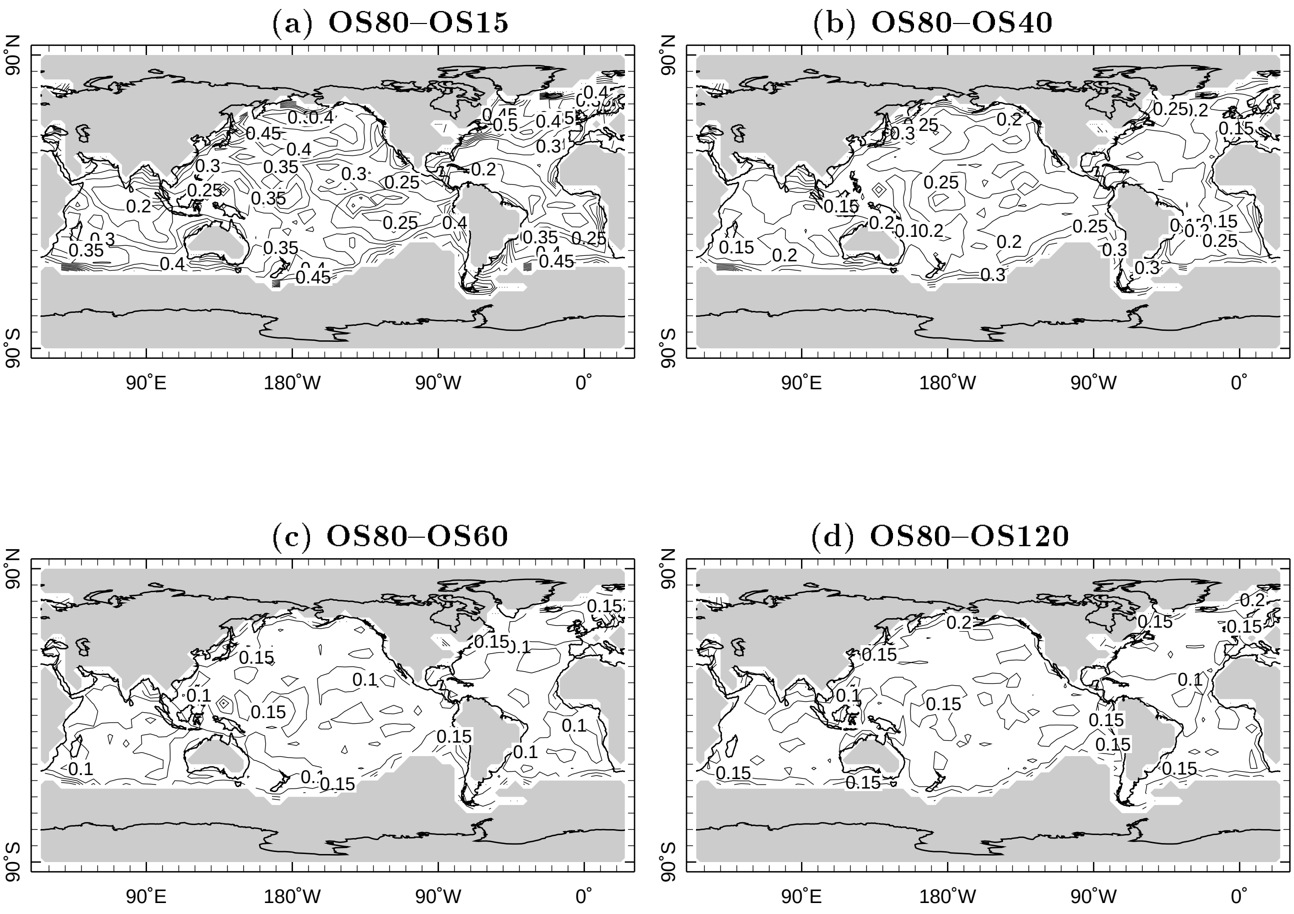


Figure 1.



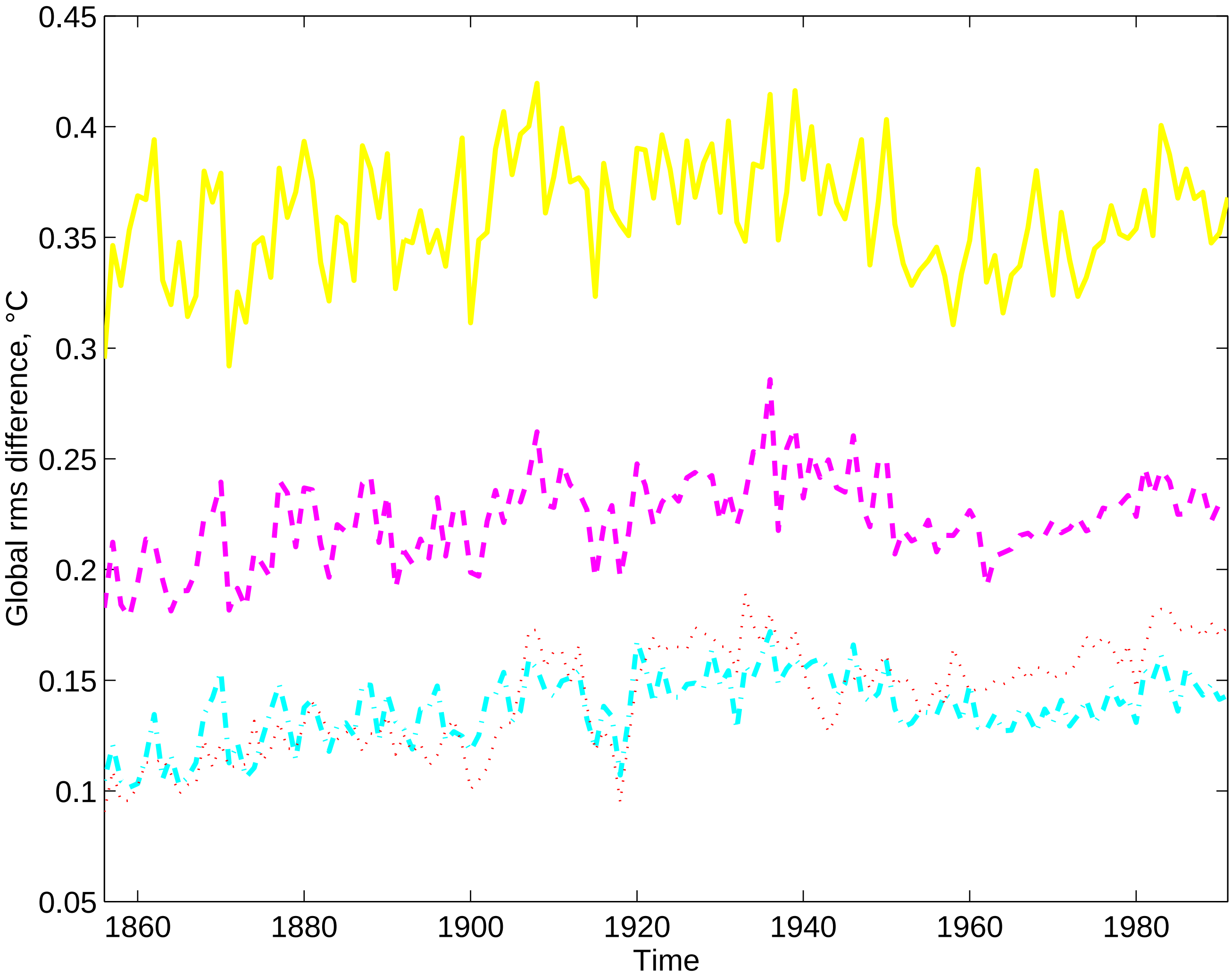
Global rms difference, °C
0
0.5
1
1.5
2
1860
1880
1900
1920
1940
1960
1980
Time

Figure 2.



(a) OS80–OS15
(b) OS80–OS40
(c) OS80–OS60
(d) OS80–OS120
90°N
90°S
90°E
180°W
90°W
0°

Figure 3.



0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
Global rms difference, °C
1860
1880
1900
1920
1940
1960
1980
Time

Figure 4.

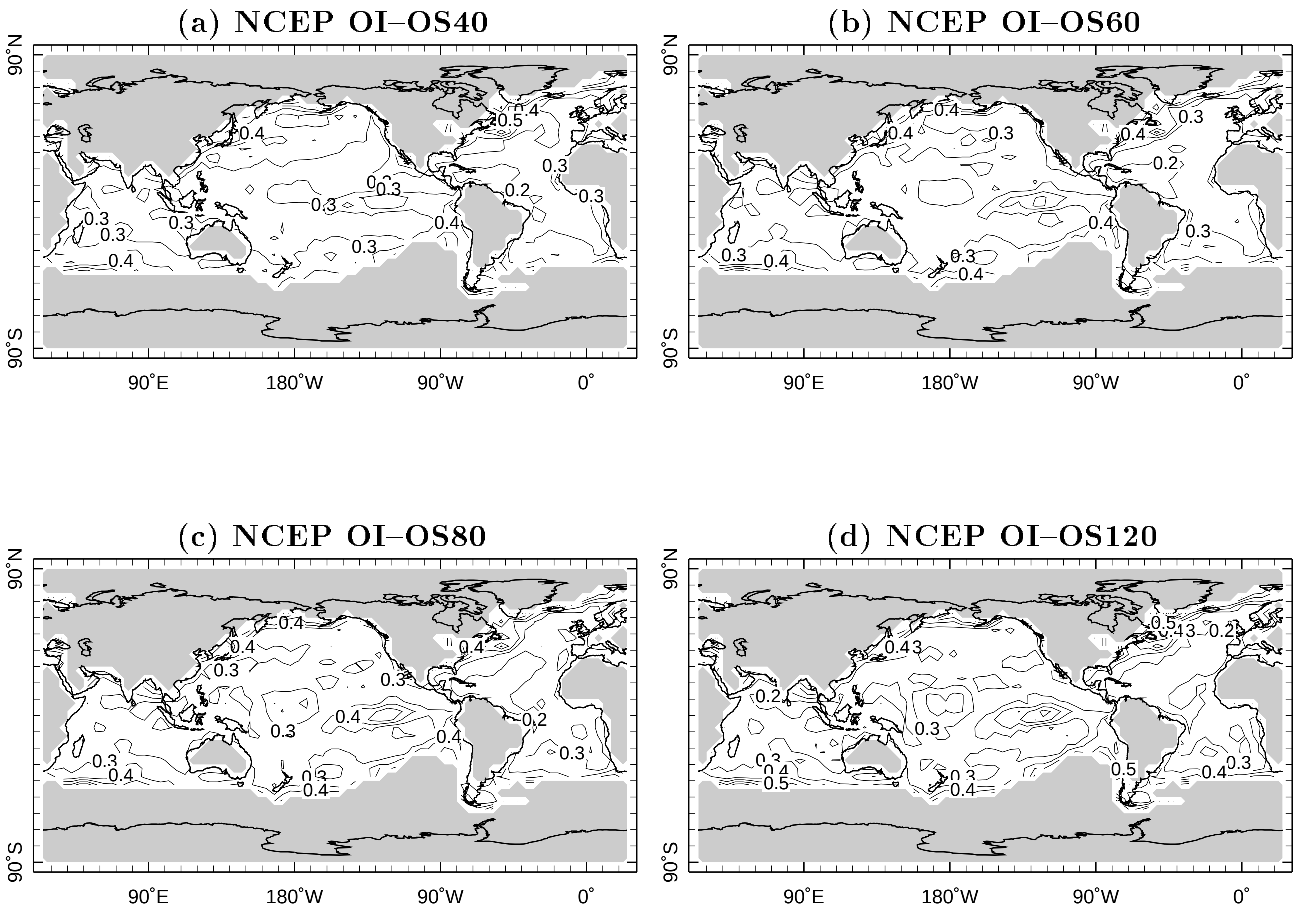

(a) NCEP OI–OS40
(b) NCEP OI–OS60
(c) NCEP OI–OS80
(d) NCEP OI–OS120
90°N
90°S
90°E
180°W
90°W
0°

Figure 5.

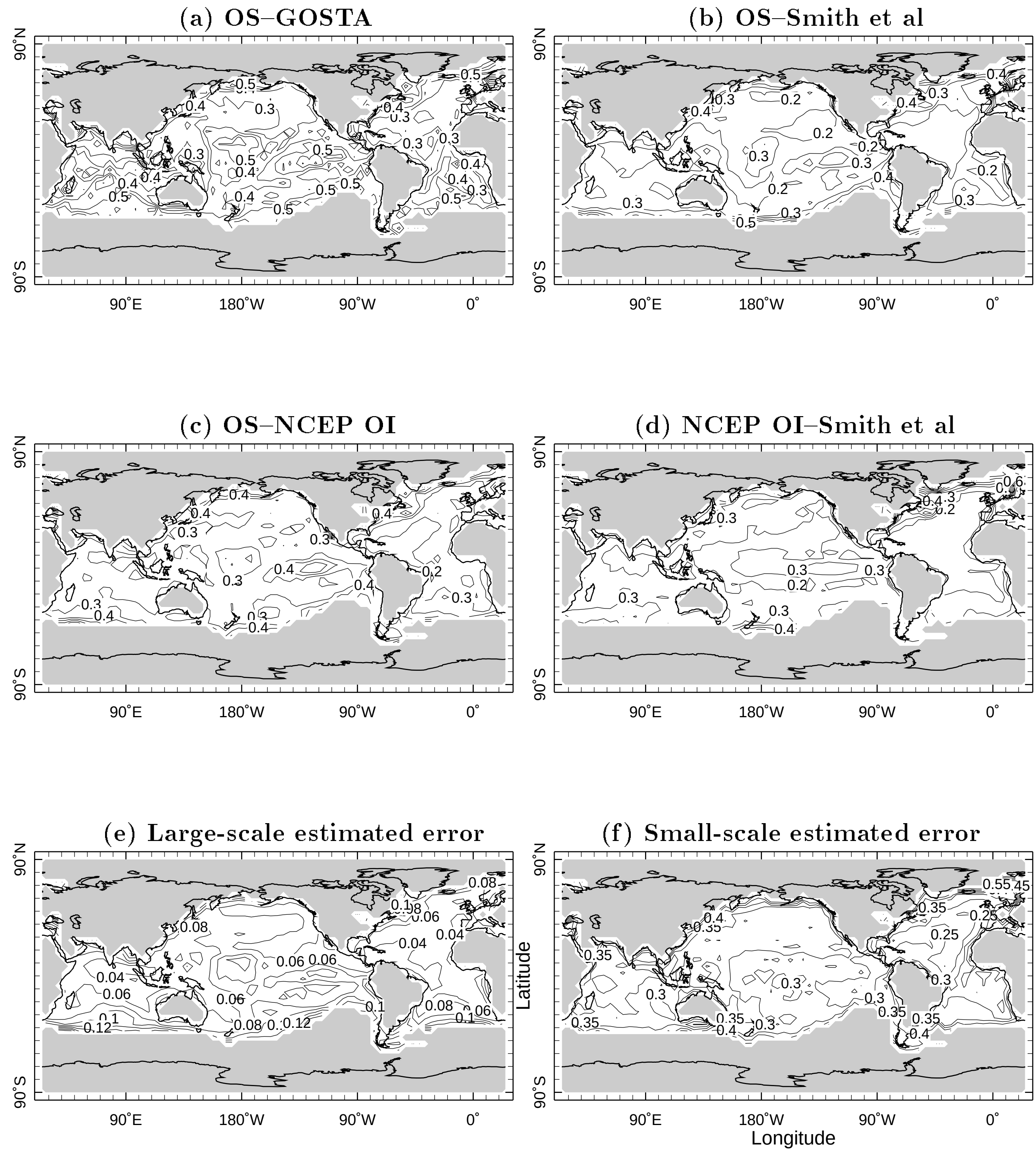

(a) OS–GOSTA
(b) OS–Smith et al
(c) OS–NCEP OI
(d) NCEP OI–Smith et al
(e) Large-scale estimated error
(f) Small-scale estimated error
90°N
90°S
90°E
180°W
90°W
0°
Latitude
Longitude

Figure 6.

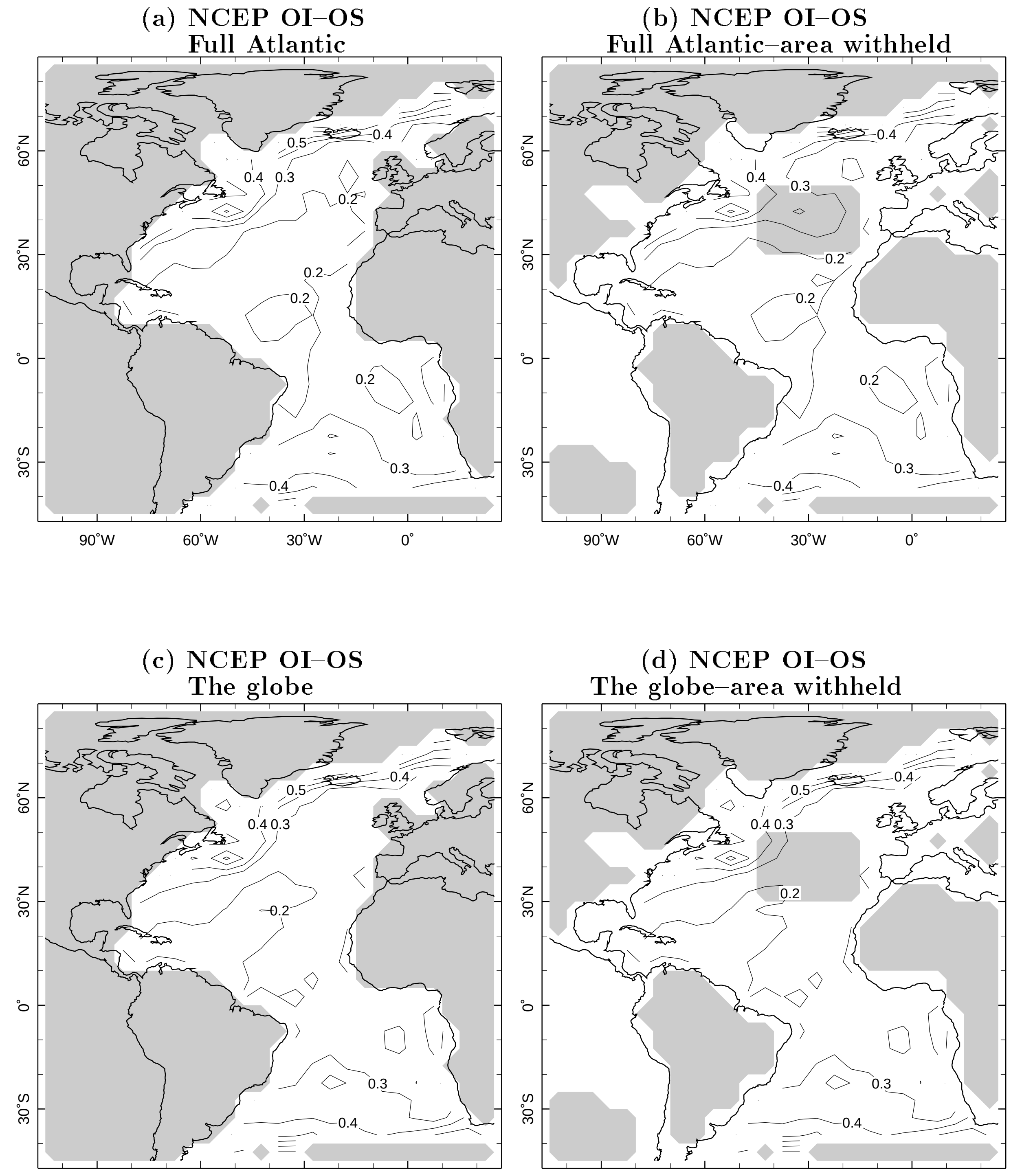
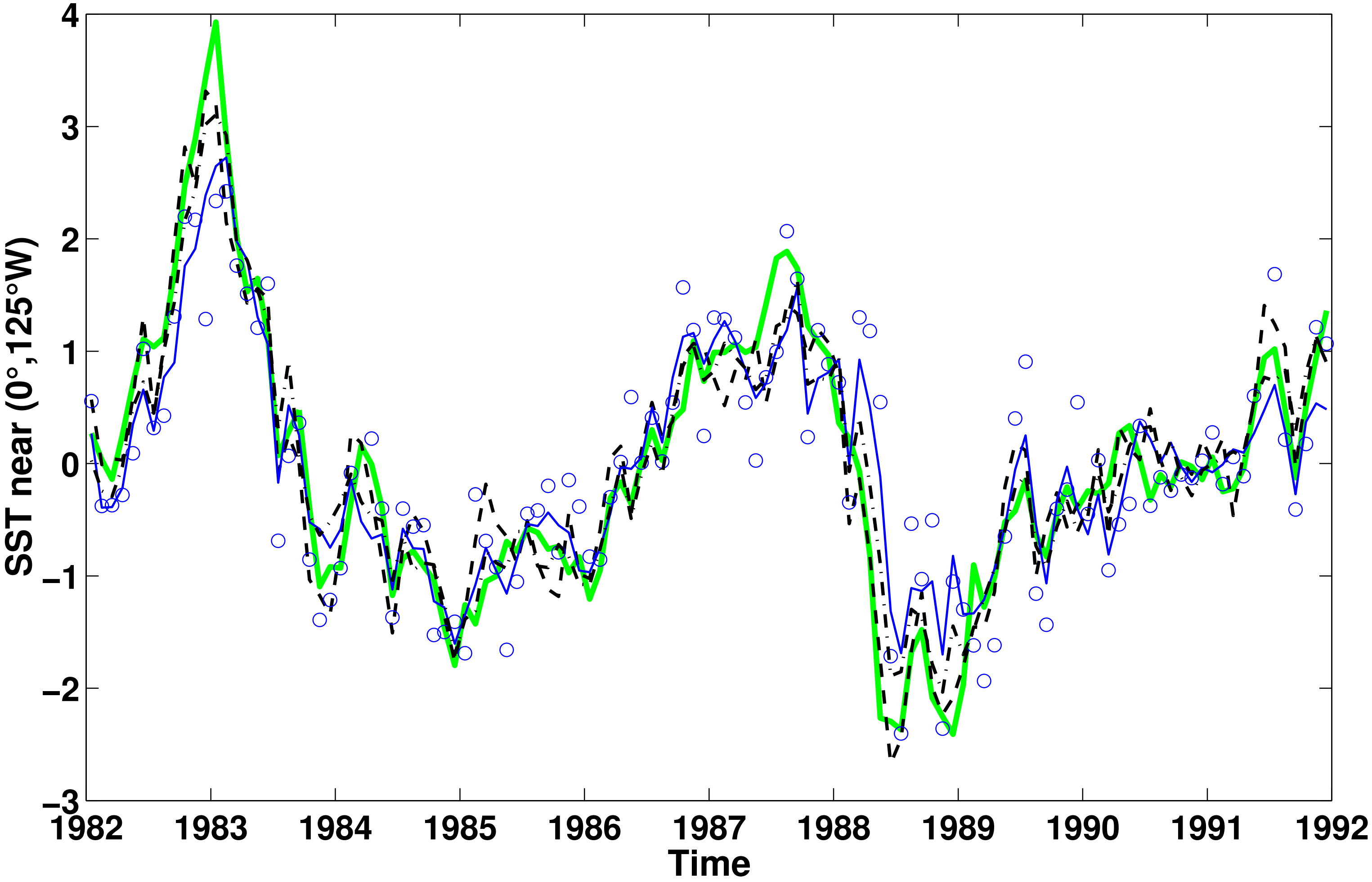

(a) NCEP OI–OS
Full Atlantic
(b) NCEP OI–OS
Full Atlantic–area withheld
(c) NCEP OI–OS
The globe
(d) NCEP OI–OS
The globe–area withheld
60°N
30°N
0°
30°S
90°W
60°W
30°W
0°
0.2
0.3
0.4
0.5

Figure 7.



SST near (0°,125°W)
Time
4
3
2
1
0
−1
−2
−3
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992

Figure 8.

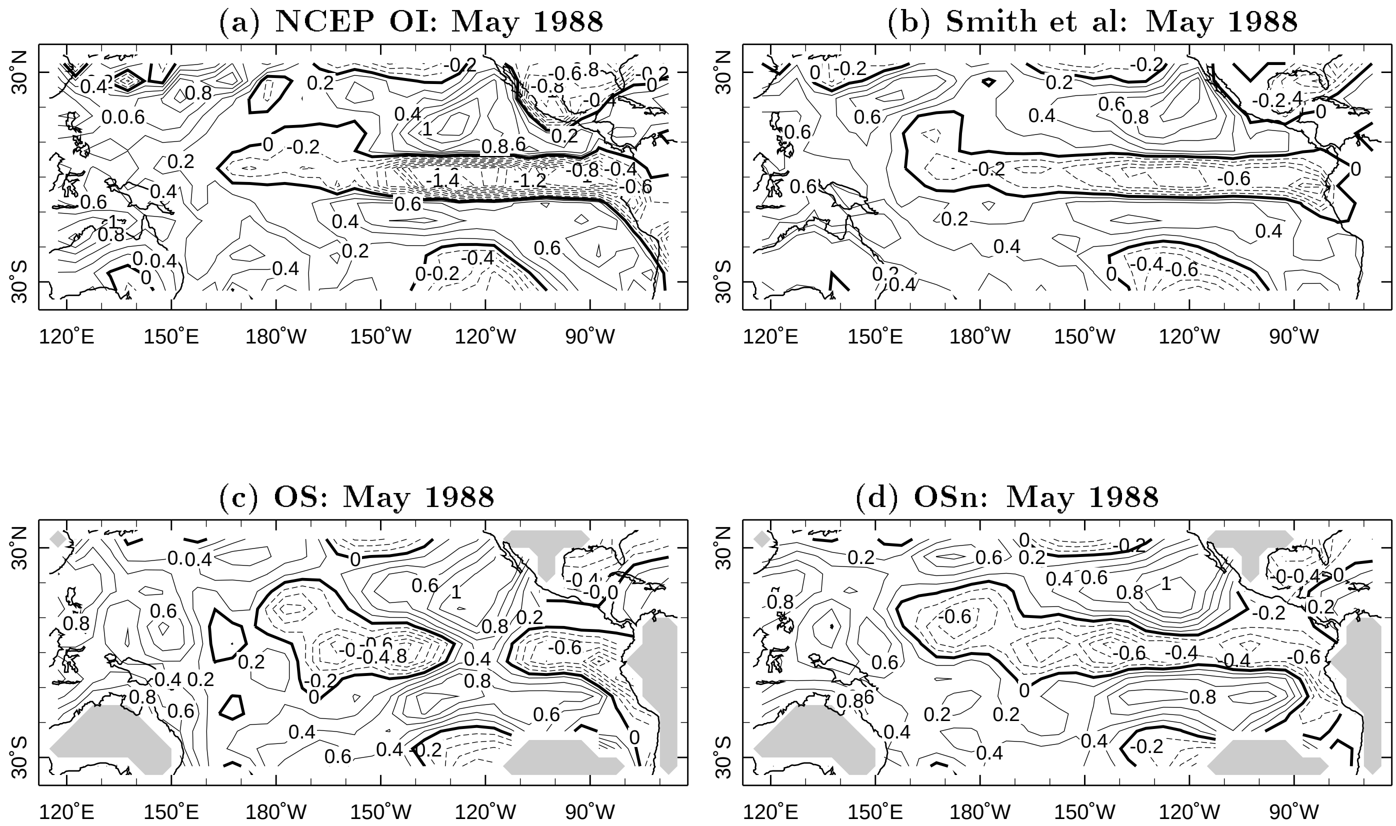

(a) NCEP OI: May 1988
(b) Smith et al: May 1988
(c) OS: May 1988
(d) OSn: May 1988
30°N
30°S
120°E
150°E
180°W
150°W
120°W
90°W

Figure 9.

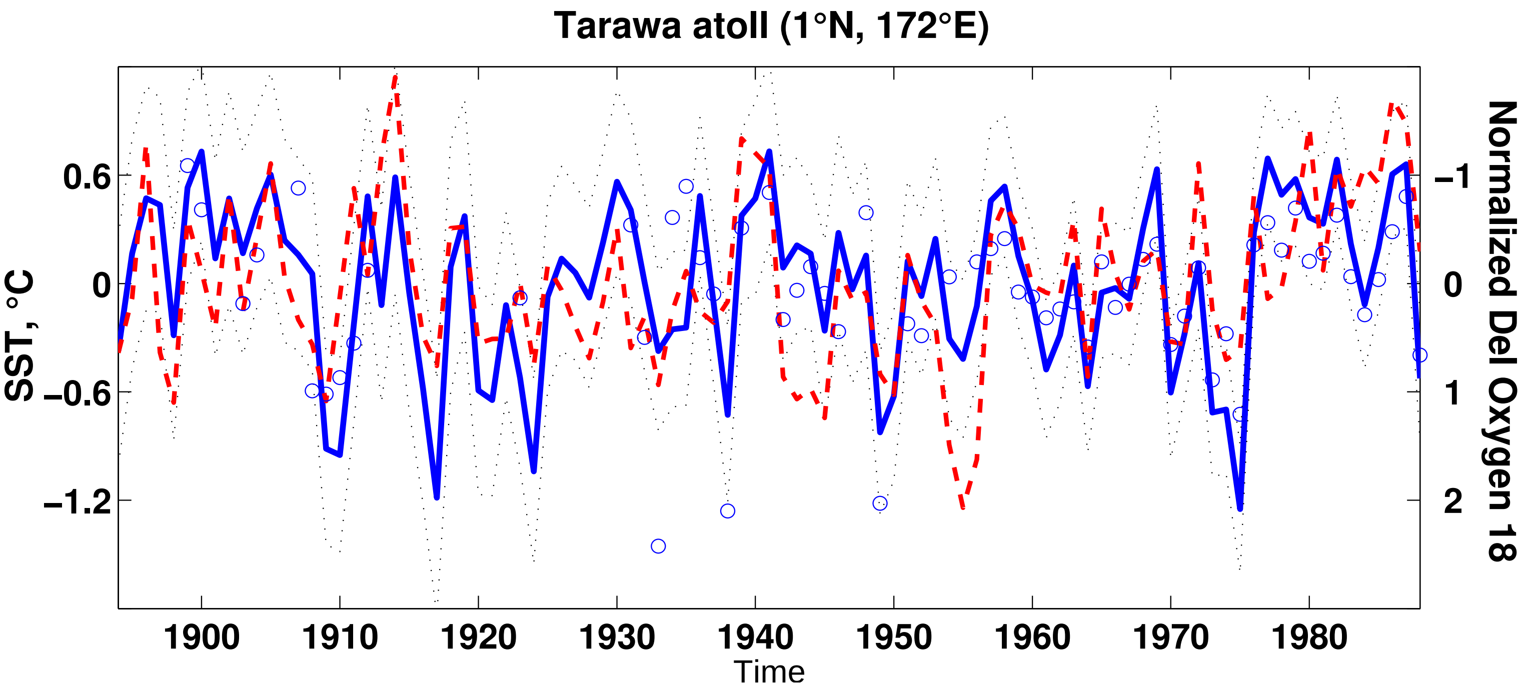
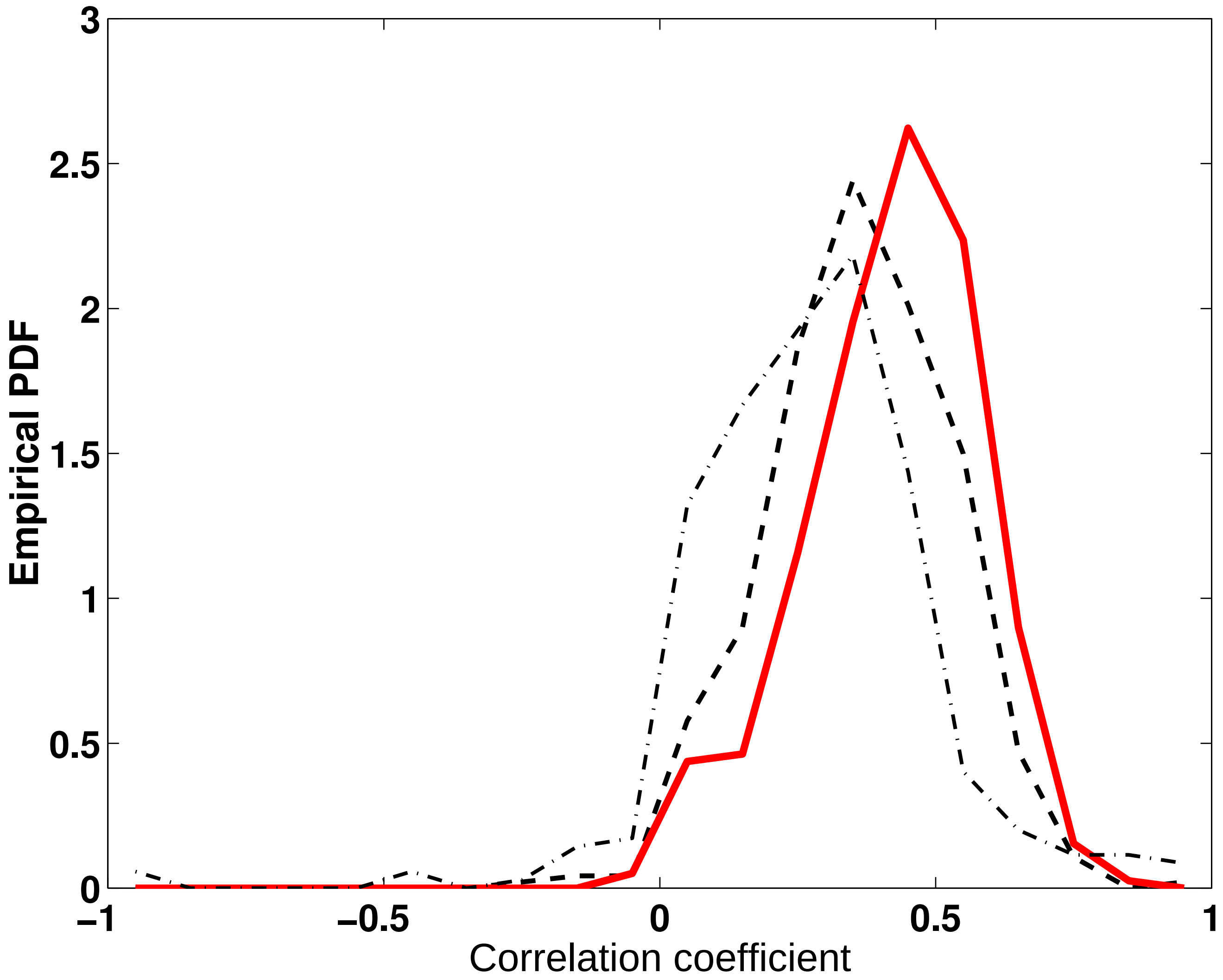
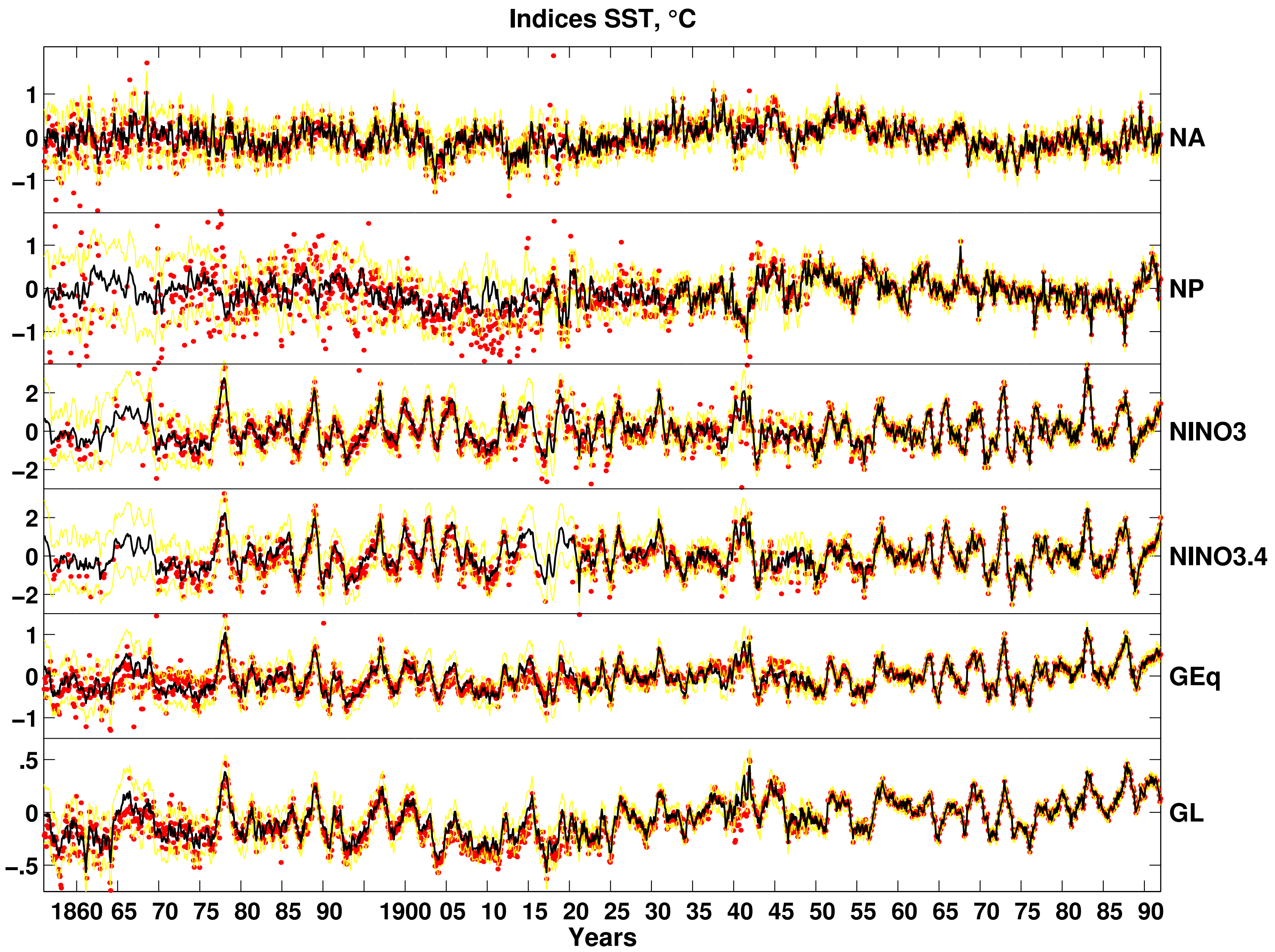

Tarawa atoll (1°N, 172°E)
SST, °C
0.6
0
−0.6
−1.2
Normalized Del Oxygen 18
−1
0
1
2
1900
1910
1920
1930
1940
1950
1960
1970
1980
Time

Figure 10.



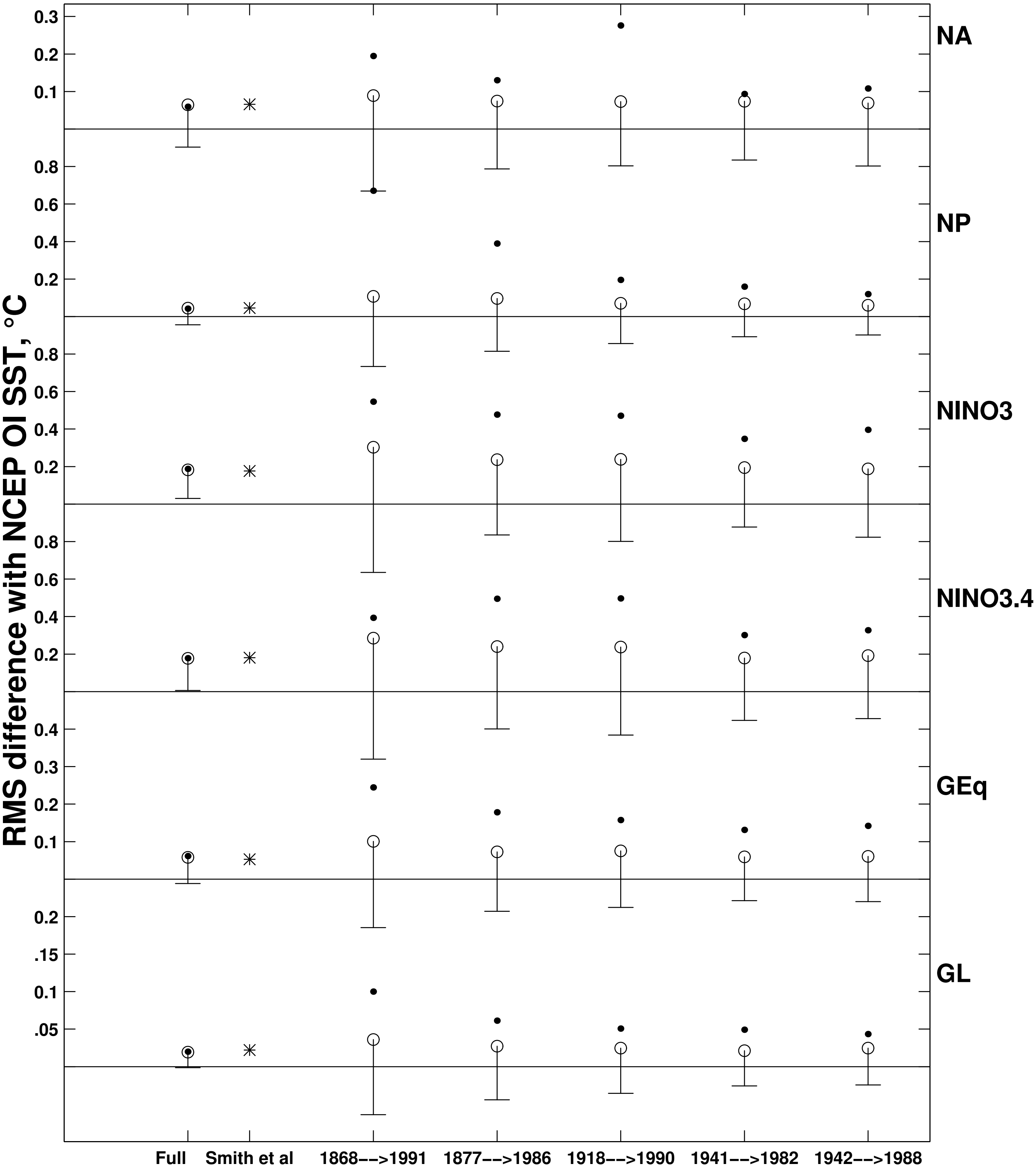
3
2.5
2
1.5
1
0.5
0
Empirical PDF
–1
–0.5
0
0.5
1
Correlation coefficient

Figure 11.



Indices SST, °C
NA
NP
NINO3
NINO3.4
GEq
GL
1860 65 70 75 80 85 90 1900 05 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90
Years

Figure 12.



RMS difference with NCEP OI SST, °C
NA
NP
NINO3
NINO3.4
GEq
GL
0.3
0.2
0.1
0.8
0.6
0.4
.15
.05
Full
Smith et al
1868-->1991
1877-->1986
1918-->1990
1941-->1982
1942-->1988

Figure 13.

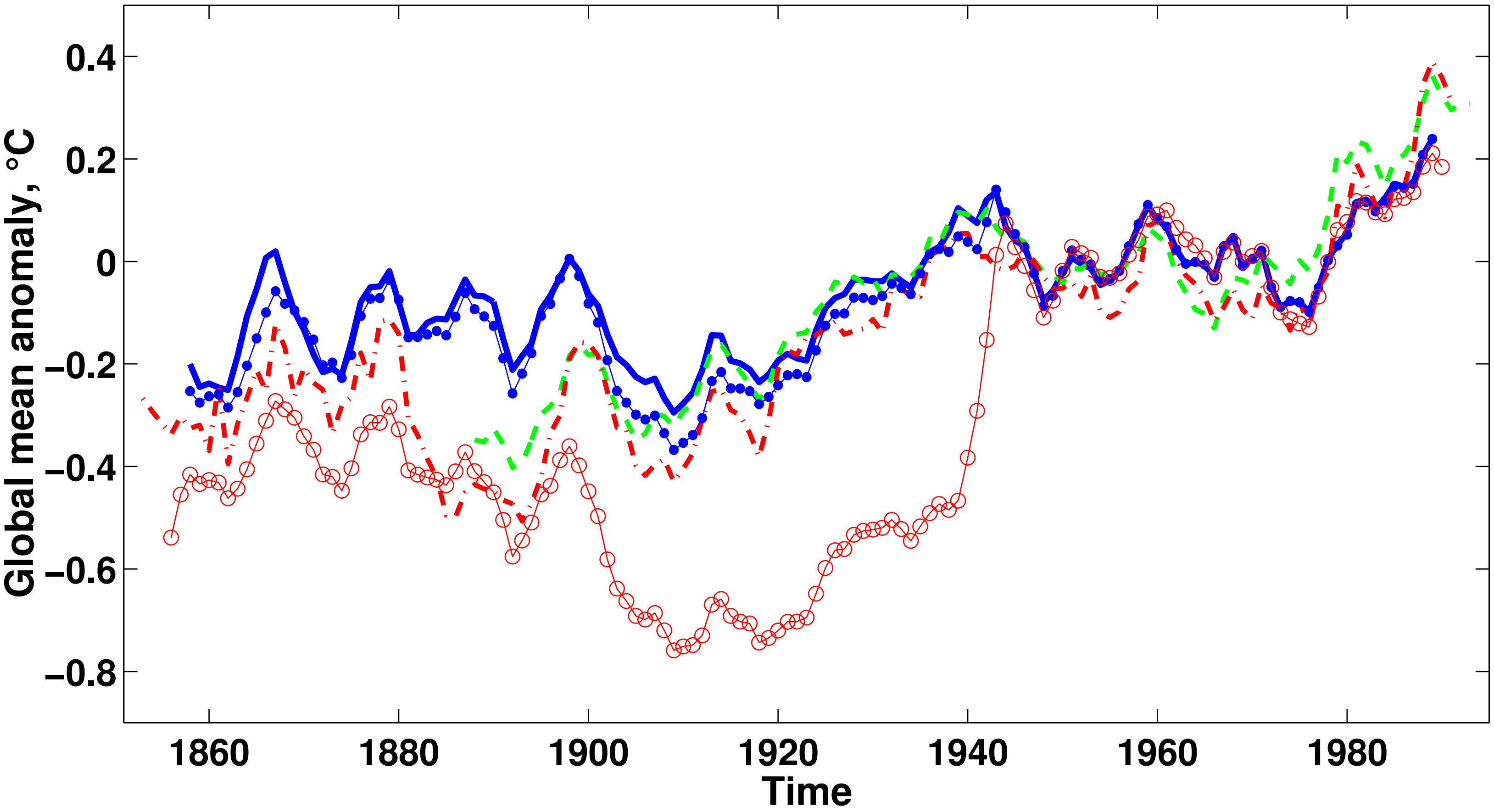

0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
Global mean anomaly, °C
1860
1880
1900
1920
1940
1960
1980
Time

Figure 14.