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STATE OF THE CLIMATE FOR 2011

Supplemental Figures and Datasets

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This document is a supplement to "State of the Climate for 2011," by JESSICA BLUNDEN AND DEREK S. ARNDT, EDS. [*Bull. Amer. Meteor. Soc.*, **93** (7), S1–S264] • ©2012 American Meteorological Society • DOI:10.1175/2012BAMSSStateoftheClimate.3

The following graphics are supplemental to Chapter 2 ("Global Climate"). In most cases, a particular graphic is analogous to one provided in the chapter, but employs an alternate dataset. The others were incorporated as supplemental information when it became apparent that they could not be accommodated given the space allotted for their section. These images were prepared or otherwise arranged by chapter editor K. M. Willett.

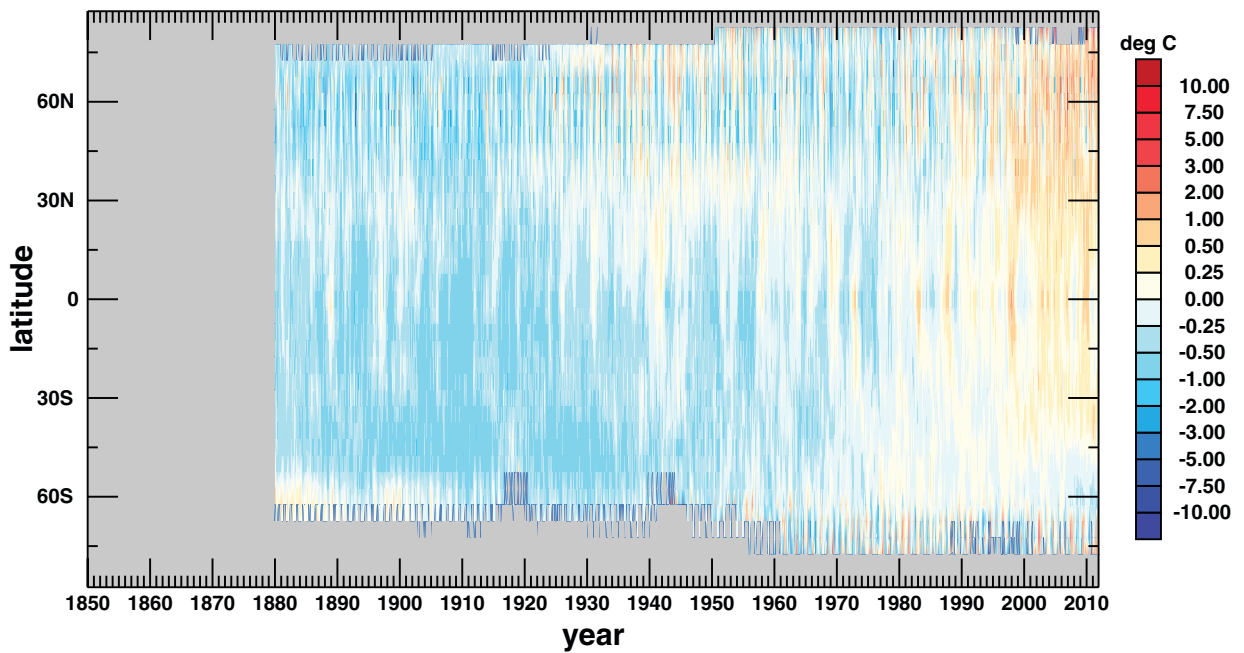


FIG. S2.1. NOAA/NCDC monthly mean anomalies (°C, 1971–2000 base period) for surface temperature by latitude (as in Fig. 2.1, p. S14, but for NOAA/NCDC). Gray areas indicate regions where data are unavailable.

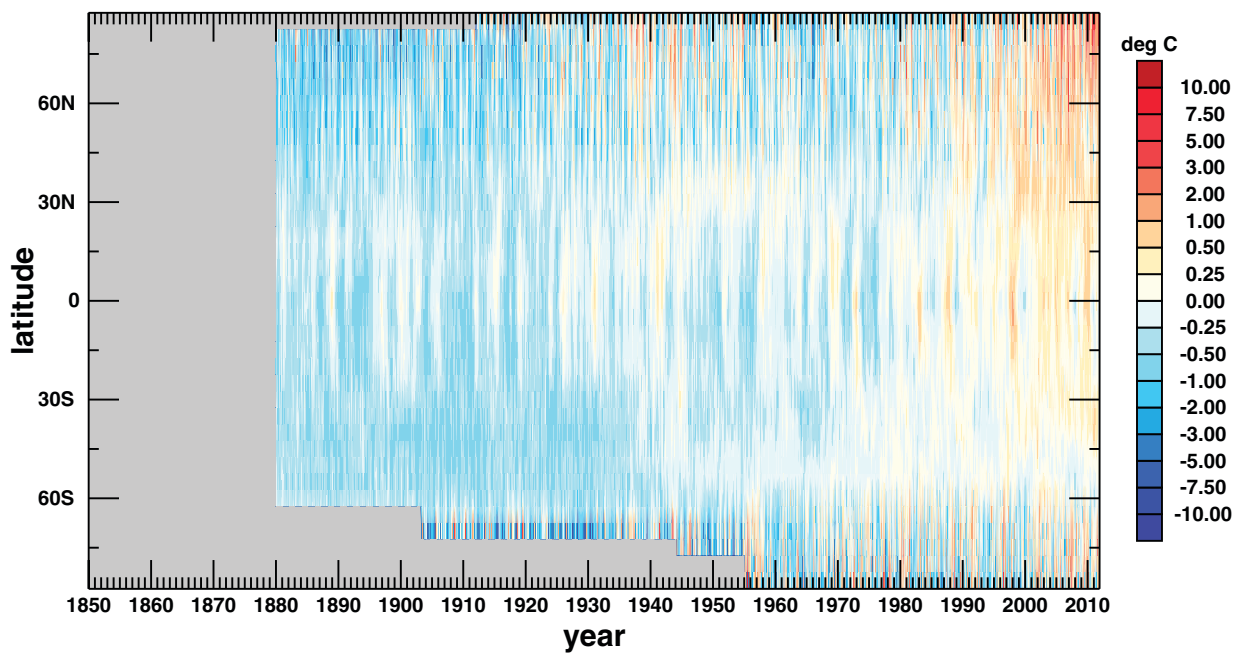


FIG. S2.2. NASA/GISS monthly mean anomalies (°C, 1971–2000 base period) for surface temperature by latitude (as in Fig 2.1, p. S14, but for NASA/GISS). Gray areas indicate regions where data are unavailable.

Surface Temperature

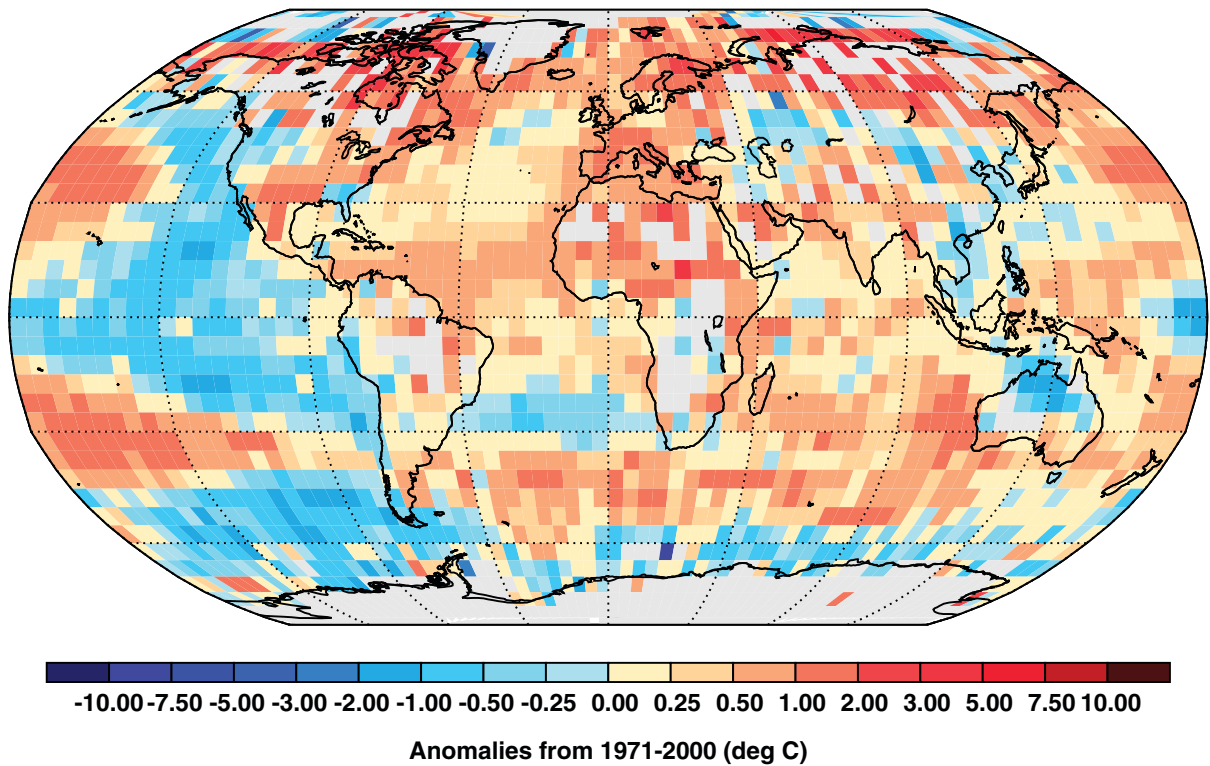
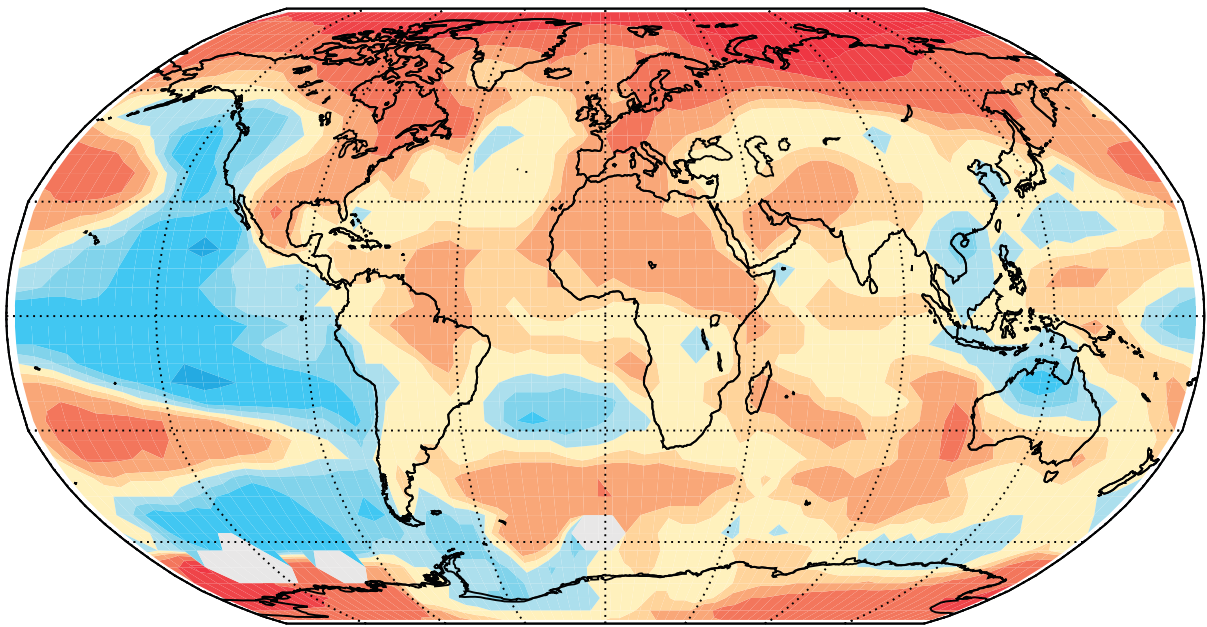


FIG. S2.3. HadCRUT3 2011 anomalies of surface temperature (as in Plate 2.1[c], p. S8, but for HadCRUT3).

Surface Temperature



-10.00 -7.50 -5.00 -3.00 -2.00 -1.00 -0.50 -0.25 0.00 0.25 0.50 1.00 2.00 3.00 5.00 7.50 10.00

Anomalies from 1971-2000 (deg C)

FIG. S2.4. NASA/GISS 2011 anomalies of surface temperature (as in Plate 2.1 [c], p. S8, but for NASA/GISS).

Surface Temperature

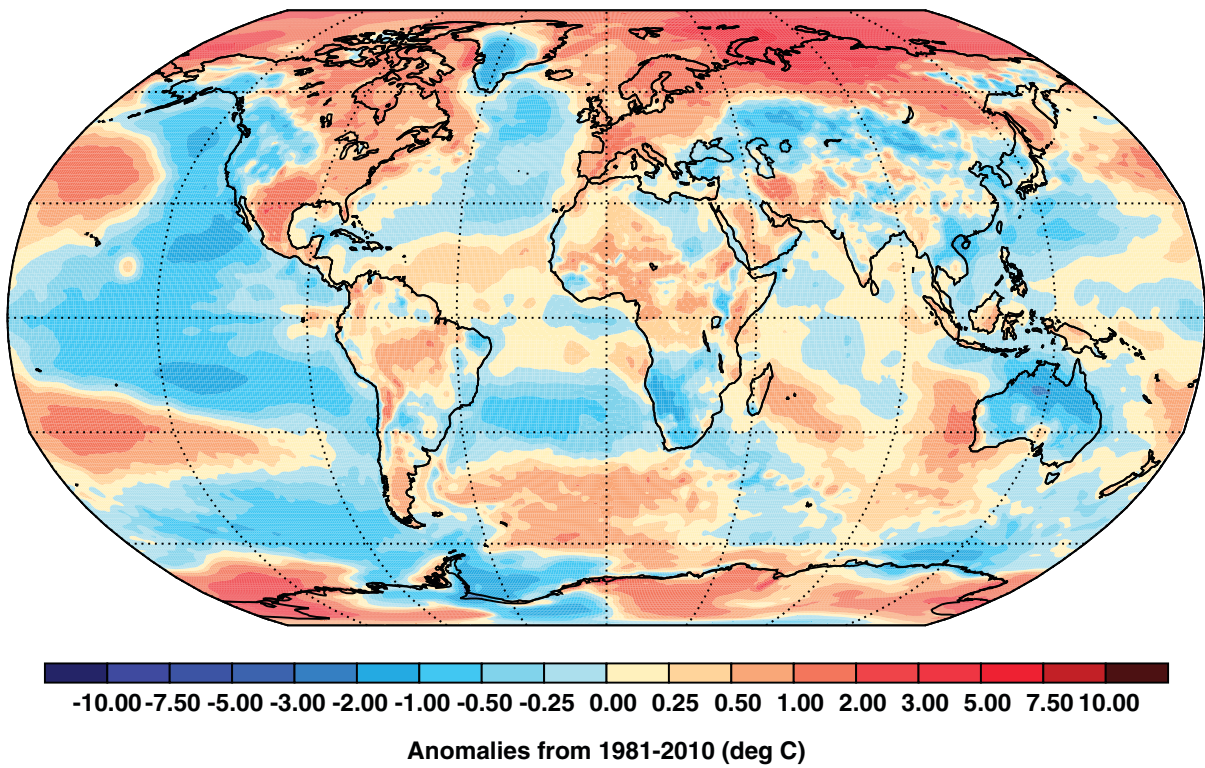


FIG. S2.5. ERA-Interim 2011 anomalies of surface temperature (as in Plate 2.1 [c], p. S8, but for ERA-Interim).

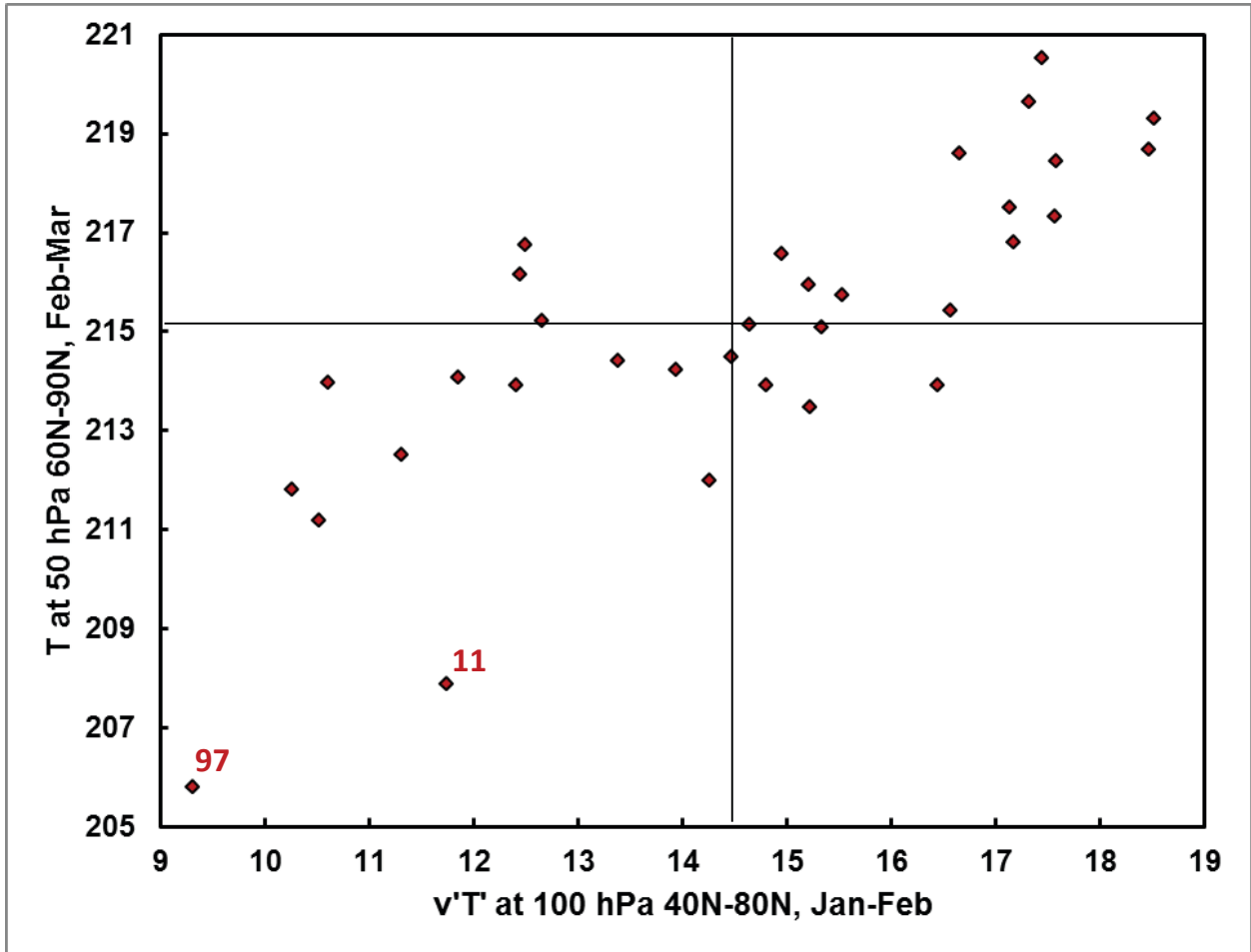


FIG. S2.6. Lower stratosphere poleward heat flux (see section 2b3, p. S17).

Stratospheric Temperature

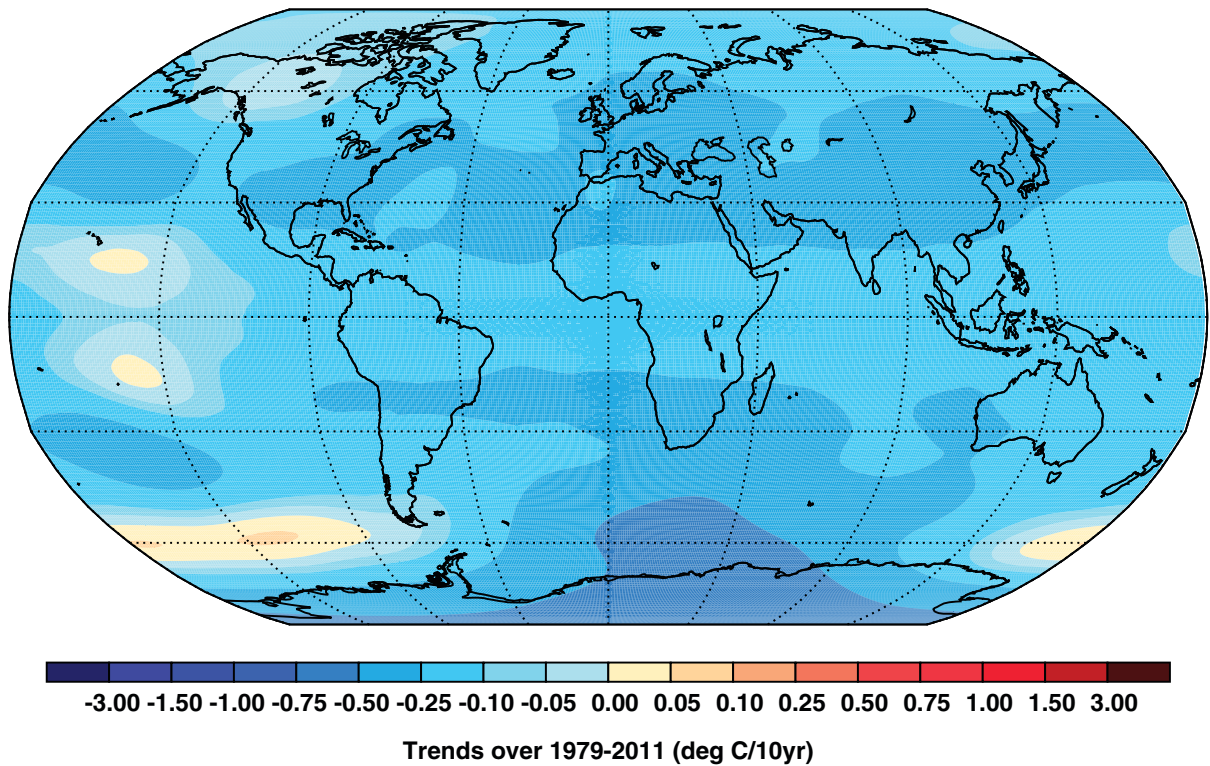
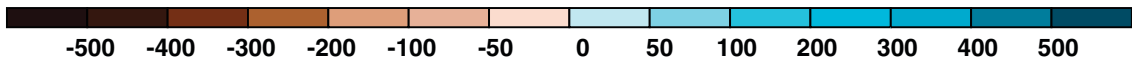
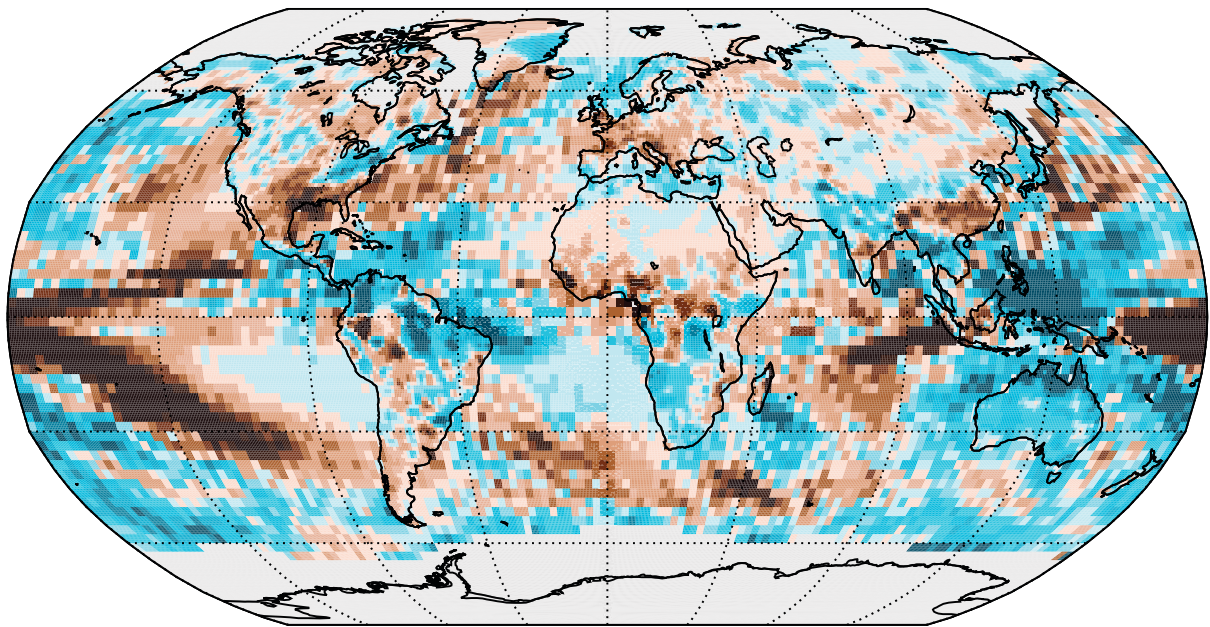


FIG. S2.7. Lower stratospheric temperature trend from 1977-2011, from ERA-Interim (see section 2b3, p. S17).

Precipitation



Anomalies from 1992-2010 over ocean and 1951-2000 over land (mm/year)

FIG. S2.8. Annual 2011 precipitation anomalies from RSS and GPCC (as in Plate 2.1 [i], but for RSS and GPCC).

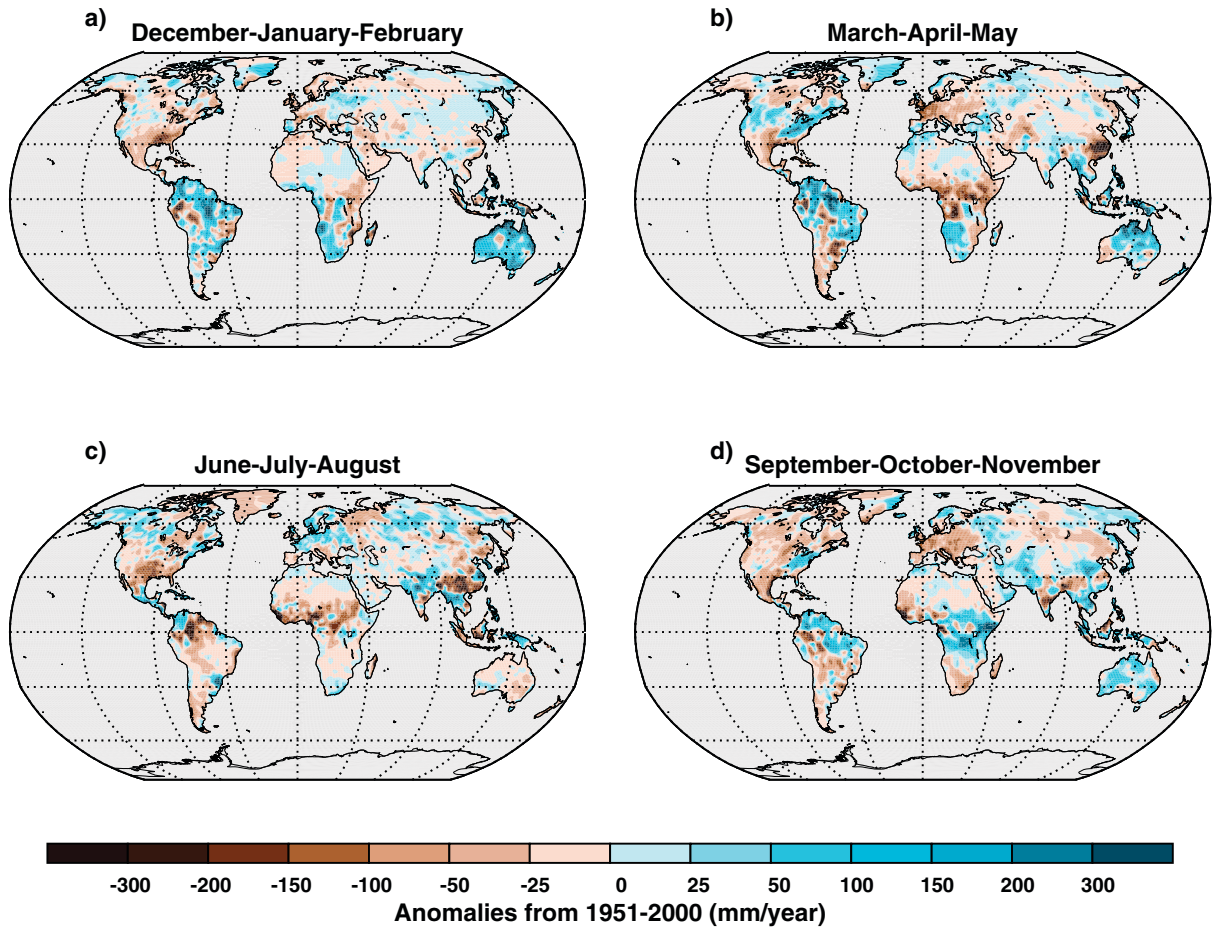


FIG. S2.9. Seasonal 2011 precipitation anomalies, in mm relative to a 1951-2000 baseline, from RSS and GPCC (see section 2d3, p. S26).

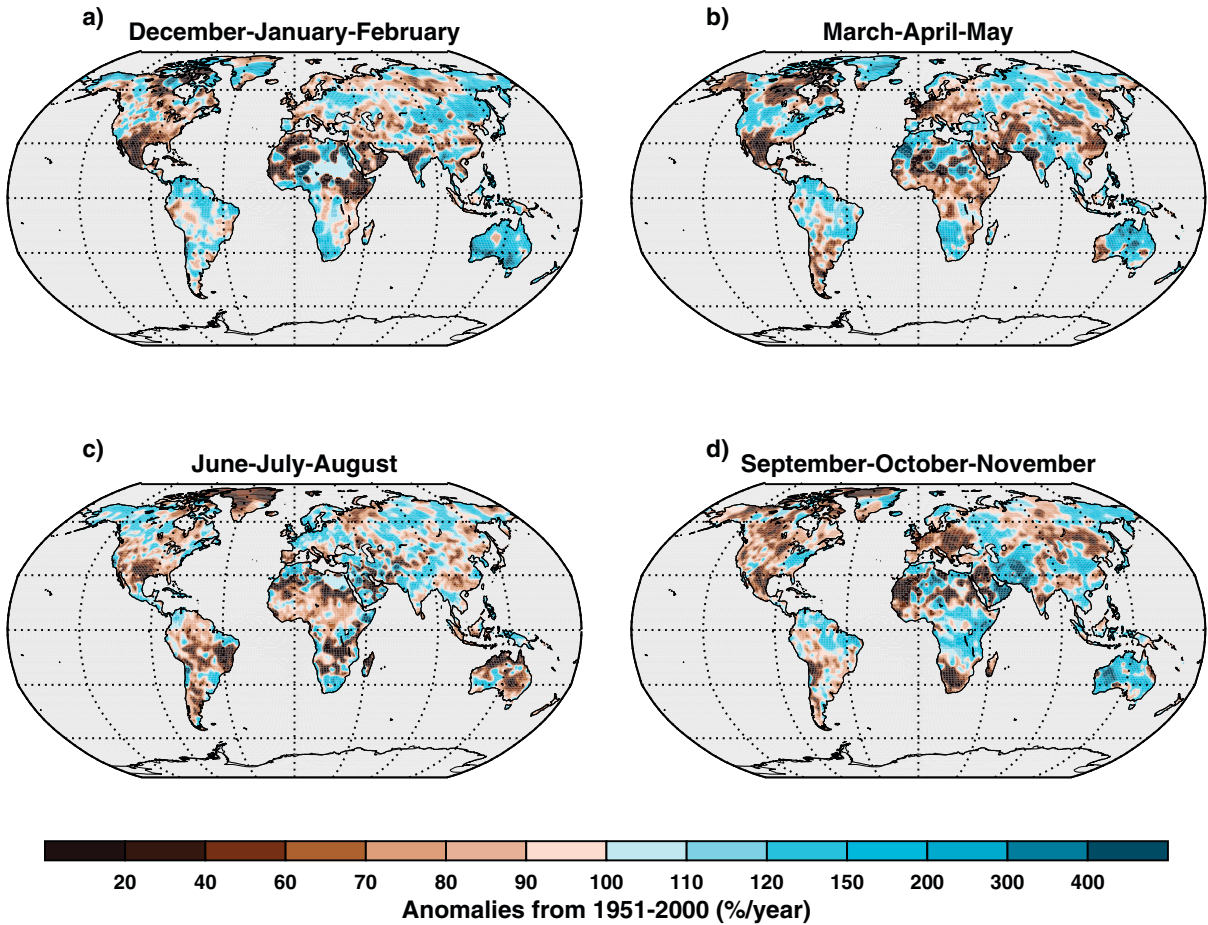


FIG. S2.10. Seasonal 2011 precipitation anomalies, in percent relative to a 1951-2010 baseline, from RSS and GPCC (see section 2d3, p. S26).