

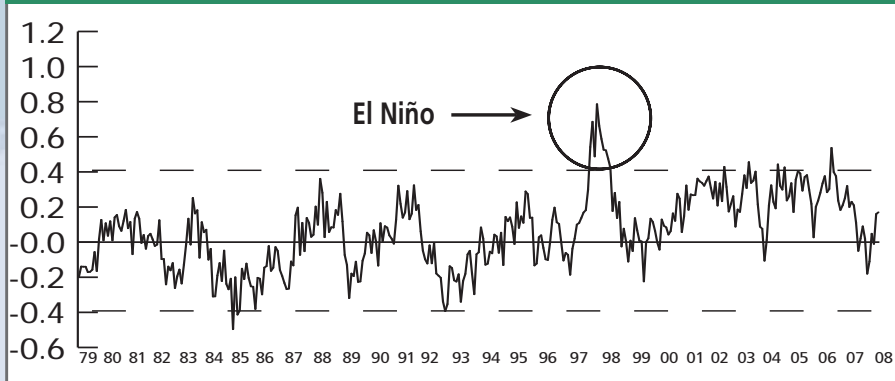
GLOBAL SATELLITE TEMPERATURES

HOW MUCH GLOBAL WARMING?

Each month, *Environment & Climate News* updates the global averaged satellite measurements of the Earth's temperature. These numbers are important because they are real—not projections, forecasts, or guesses. Global satellite measurements are made from a series of orbiting platforms that sense the average temperature in various atmospheric layers. Here, we present the lowest level, which climate models say should be warming. The satellite measurements are considered accurate to within 0.01°C. The data used to create these graphs can be found on the Internet at http://vortex.nsstc.uah.edu/public/msu/t2lt/tltglhnam_5.2.

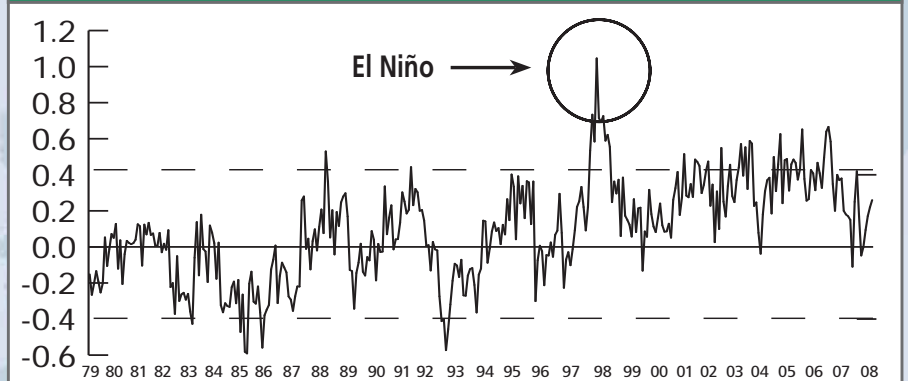
OCTOBER 2008

GLOBAL AVERAGE



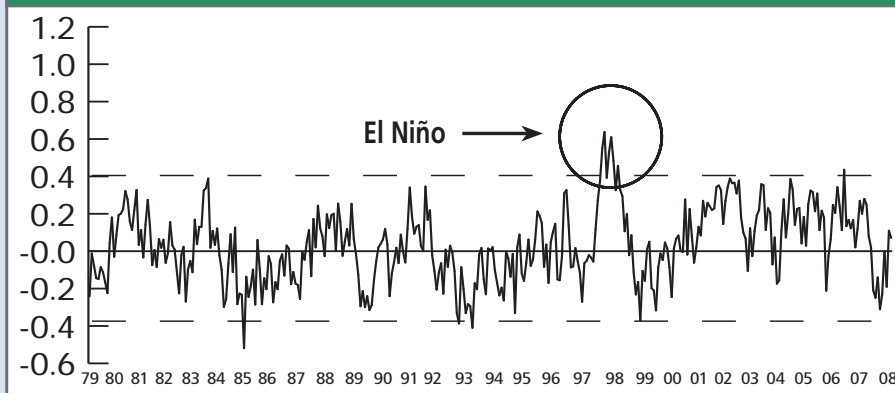
The global average temperature for November was 0.17°C above normal.

NORTHERN HEMISPHERE



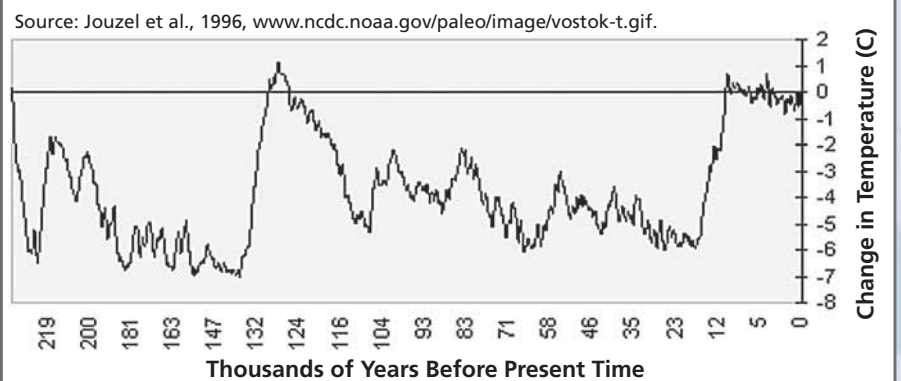
The Northern Hemisphere's temperature was 0.07°C above normal.

SOUTHERN HEMISPHERE



The Southern Hemisphere's temperature was 0.26°C above normal.

219,000 years of Temperature Variation



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