

Table 1. Comparison of past, present, and future warm climates.

Time Interval	Mid-Pliocene	Last Interglacial (3.3 to 3.0 my ago)^a	Today (125,000 years ago)^b	Projected (2090s)^c
Temperatures				
- Global	+2.4°C to +2.9°C	+1°C to +2°C	+0.7°C (20 th century)	+1.1° to 6.4°C (range) +1.8° to 4.0°C (best est.)
- High latitudes		+3.0°C to 5°C (Arctic) +4.5°C (Antarctica)		
Carbon dioxide		~280 to 300 ppm	390 ppm (2010)	600 to 1000 ppm
Sea level	+15 to +25 m	+4 to +6 m (up to +30 m)	0 (as high as +6.6 to +9.4 m)	+0.18 m to +0.59 m +1.4 to +1.9 m (semi-empirical methods)

^a Pagani, M. et al., 2009. *Nature Geosci.*, 3, 27-30; Dwyer, G.S. and Chandler, M.A., 2009.

^b Overpeck, J. et al., 2006. *Science* 311, 1747-1750; Otto-Bliesner, B. et al., 2006. *Science* 311, 1751-1753; Jouzel et al., 2007. *Science* 317, 793-796; Kopp et al., 2009.

^c IPCC, 2007; Rahmstorf, S. et al., 2007; Vermeer, M. and Rahmstorf, S. 2009.