

Supplementary Materials:

Table S1. Mount Siple age scale markers. Each marker represents the winter trough (July in the Southern Hemisphere).

Point	Depth	Year
1	0.2129	2016
2	1.321	2015
3	2.509	2014
4	3.954	2013
5	5.206	2012
6	6.426	2011
7	7.376	2010
8	8.83	2009
9	10.38	2008
10	11.79	2007
11	13.22	2006
12	14.06	2005
13	15.52	2004
14	17.18	2003
15	18.49	2002
16	20.08	2001
17	21.57	2000
18	22.82	1999
19	24.11	1998