

**Contents of this file****Additional Supporting Information (Files uploaded separately)**

Caption for Dataset S1

**Introduction**

This is the supplementary information for "Interglacials of the last 800,000 years" by the Past Interglacials Working Group of PAGES, *Reviews of Geophysics* (2015). It consists of the datasets used to construct Tables 2 and 3, Fig. 4, and underlying many other figures

**Data Set S1.** Data series taken from the literature and used to construct Tables 2 and 3, and Figure 4. The original sources of data are fully described in the paper - please refer to this before any use, and refer to the original data as appropriate. Most data have been taken from the original data sources apart from alignment of marine age scales as described in the paper text. In a small number of cases, we were supplied by the data originators with updated or recalibrated datasets that differ slightly from those in the published sources we refer to. The data in this spreadsheet are these updated files used in our plots.

The spreadsheet consists of a series of Excel worksheets. Each sheet is a single dataset, showing age and parameter value, with a header that describes the data. The appropriate sources are referenced in the main text, Tables 2 and 3.