

Gliwa, J., Wiedenbeck, M., Schobben, M., Ullmann, C.V., Kiessling, W., Ghaderi, A., Struck, U., Korn, D.: Gradual warming prior to the end-Permian mass extinction.
Palaeontology

Data S1

Data used for the illustrations and discussion of the temperature changes across the end-Permian mass extinction.

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File list (files found within DataS1.zip)

Gliwa_et_al_data_sheet_1.csv

Gliwa_et_al_data_sheet_2.csv

Gliwa_et_al_data_sheet_3.csv

File description

Gliwa_et_al_data_sheet_1.csv

All measurements of oxygen isotope ratios of the studied ostracod samples and the sparite infill from the Aras Valley section.

Columns show the sample identifier, the position of the ostracod samples in the section (relative to the top of the *Paratirolites* Limestone), the position in the conodont zonation, the ostracod taxon name, the $\delta^{18}\text{O}$ values and the calculated temperatures.

Gliwa_et_al_data_sheet_2.csv

Geochemical measurements of brachiopod calcite from NW Iranian sections.

Columns show the sample identifier, the position of the brachiopod samples in the section (relative to the top of the *Paratirolites* Limestone), the date of analysis various geochemical properties and the state of shell preservation.

Gliwa_et_al_data_sheet_3.csv

Oxygen isotope ratio data of conodont, brachiopod and bulk material from literature and ostracod data from the actual study.

Columns show the sample identifier, the literature reference, the section and position of the conodont, brachiopod and ostracod samples in the sections (for the Iranian sections it is the relative to the top of the *Paratirolites* Limestone), the taxon name, the analytical method, the $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ values and the calculated temperatures.