

Journal Metadata

- Is the DOI correct? Is it formatted correctly (i.e., [https://doi.org/...](https://doi.org/))?
- Does the DOI link to the original publication, rather than a repository?
- Is the first author's last name spelled correctly?
- Is the publication year correct?
- Does the paper reference data from this precise site?

Modern Location

- Does the plotted location match that of the original paper?
- Do the coordinates match those reported in the paper?
- Have the coordinates been correctly converted to decimal degrees?
- Is the notation correct (i.e., negative for S and W hemispheres)?
- For Mg/Ca data only: Is the modern water depth reported? Does it match what is reported in the original publication?

Age

- Broadly, do the ages make sense in the context of the paper?
- If no absolute ages are included in our compilation, are they readily available?

Depth

- Broadly, do the depths make sense in the context of the paper?
- If multiple reference for this site, are the age and depth models consistent?
- If no depths are included in our compilation, are they readily available?

Proxy Values

- Does the range of values match those reported in the original publication?
- Are there obvious erroneous data (e.g., missing/added negative signs, -999 or 0)?

Proxy-specific

- For Mg/Ca data: Is the reported cleaning method consistent with what is described in the original publication?
- For TEX86 data: Are all fractional abundances reported? If not, are those data readily available?

Altered

- Are there any flyers that have not been flagged as diagenetically altered?
- Are the diagenetic flags consistent with the original interpretation of the dataset and/or subsequent interpretations?
- Expert opinion: Is there reason to believe that some of the data may be altered?

Taxa

- For foram data only: Are the foram taxa listed on page 2 of the QC PDF consistent with those reported in the original publication?