

Review:

The PAGES CoralHydro2k database of coral $\delta^{18}\text{O}$ and Sr/Ca records for the Common Era will be a welcome addition to the paleoclimate community. The writing remains excellent, and the figures and tables are high-quality. I recommend publication.

The authors thoroughly addressed all my comments. They did this by clarifying sections of the main text, revising the descriptions for metadata fields, and expanding the amount of sample code to include examples in MATLAB, Python, and R. I greatly appreciate the authors' efforts to develop a GitHub repository and provide examples in all three programming languages because this will make the database accessible to more users.

I was also pleased that the authors updated the usage notes in Section 4.2 to clarify how to search the database. I also appreciated the revised text in Section 4.4 that encourages database users to cite the original publications for the coral records whenever possible.

I was able to access the NOAA Study Page and successfully download the database. I also cloned the CoralHydro2k MATLAB and Python GitHub repositories and successfully tested all the MATLAB and Python example scripts. The example code is helpful and easy to follow.

Minor note about accessing the database:

In the point-by-point response to reviews the authors note that there are limitations on the customizability of the NCEI landing page for the data DOI, and therefore, recommend visiting the NOAA Study Page to find the 'Submit New Data' link and access the code repository. This was a helpful comment, and I suggest including this recommendation in Section 4.3 of the manuscript. Another option is to include a direct link to the main study page (<https://www.ncei.noaa.gov/access/paleo-search/study/35453>) in addition to the data DOI. I also think it would be beneficial to include a direct link to the CoralHydro2k GitHub repository in the manuscript.