

Response to James Gearon

REPOSITORY COMMENTS

- Please include detailed installation instructions and a requirements.txt or an environment.yml file. This is crucial. I realize it is also in the readme, but id rather have pip or conda build the env for me as opposed to building it myself *especially* when GDAL is in play.
Done; added requirements.txt
- Please include instructions to perform tests or implement a formal system for automated testing as discussed by [@FrancescoPerrone](#)
Instructions to run tests with pytest added to readme.
- The authors are encouraged to rename the COPYING file to 'LICENSE' to make it easier to find.
Done; COPYING renamed to LICENSE
- "Functionality documentation: Is the core functionality of the software documented to a satisfactory level (e.g., API method documentation)?" I dont see the API reference in the documentation. This should be easy to compile with sphinx and function docstrings..
Deployed [Sphinx-autoapi](#) to build user-facing documentation of urclib's API, which is now integrated into the user documentation (mirrored on Readthedocs.io)

PAPER COMMENTS

- Authors are encouraged to add detail to figure captions, hard to understand with the current captions.
I've attempted to flesh these captions out, in the hopes that they provide some detail.
- I think the paragraph that outlines the use of the equations needs to be expanded. It is currently hard to follow and some of the details are glossed over. If it is detailed in the sister paper to this one, just refer to that paper and dont include them.
These equations were taken directly from Creason 2023, the sister paper. I've removed the equations section and instead direct the reader to the appropriate equations in Creason 2023
- Authors are encouraged to add more to their manuscript, particularly a section after the statement of need. Maybe an example and more detailed description of what the package does / use cases, and where it fits into the open source landscape.
I've added an "implementation details" section which discusses the use of some of the opensource libraries, and refers to sources where implementation details are documented.