

James Crean
Supported Projects: UVCDAT, PCMDI

Quarterly Report for January 1, 2018 – March 31, 2018

Quarter Accomplishments

- Maintained the PCMDI web site by updating content, updating links, and locating missing documents.
- Added a feature to clear cells in vCDAT
- Added a feature to edit and delete loaded variables in vCDAT
- Added a component to allow inspecting and edit the values in a cell in vCDAT
- Updated Developer documentation, including the addition of a set of coding standards.
- Reintroduced project boards to streamline the development workflow.
- Created basic user documentation to cover installation, updating, uninstalling, and troubleshooting.
- Released vCDAT as a closed alpha to a select few users for testing.
- Gathered feedback from Alpha users and fixed various platform and environment specific bugs.
- Implemented a variety of fixes and features to improve the user experience per Alpha release feedback.
- Added a user notification system in vCDAT.
- Refactored several components to improve code clarity and reusability as well as to update their user interfaces.
- Added a help button that triggers an interactive tour of the application's basic features.
- Released vCDAT to the public as a Beta release.

Next Quarter's Roadmap

- Continue supporting the PCMDI website as needed.
- Provide application support to vCDAT Beta users.
- Create detailed user documentation that covers the vast majority of vCDAT's features.
- Complete a code review of the entire application to remove inconsistencies, remove references to library code that is deprecated.
- Begin releasing regular updates for vCDAT on a monthly basis, or faster if possible.
- Complete the following major features to move the project closer to a release candidate build:
 - Ability to export plots, colormaps, graphics methods and template.
 - Add remaining editors for graphics methods.
 - Add capability for adding and deleting custom GMs and templates
 - Provide interface for stepping plots through time and levels independently