Zeshawn Shaheen
Supported Projects: PCMDI, ACME

Quarterly Report for January 1, 2016 – March 31, 2017

Quarter Accomplishments:
- PCMDI
    - PMP using CDP now merged into master and is the main version. (January 2017)
    - Nightly releases on pmp-nox (February 2017)

- ACME
    - Command line parsing for ACME diags (January 2017)
    - Added test suite to ACME diags. (February 2017)
    - Nightly versions of ACME diags for macOS and Linux. (February 2017)
    - Added CDP viewer to ACME diags. (March 2017)
    - Plot set 5 for ACME diags is done, with an alpha release planned for the first week of April. (March 2017)
    - Jupyter notebooks for ACME diags. (March 2017)

- CDP
    - Released v1.0.2 of CDP, which included support for cdp_metric. Caching is mostly working as well, but is disabled until cdms provenance is working, since it causes errors in some cases. (January 2017)
    - Created example diagnostics using CDP, to demonstrate to others how to use it. (February 2017)
    - Began implementing doctests to demonstrate how metrics work. (February 2017)
    - Released v.1.0.3 of CDP, which added support for the cdp_viewer, a wrapper for the output_viewer. (March 2017)
    - Jupyter notebooks for CDP, discussing how to create diagnostics with it and how to use the viewer. (March 2017)

- Miscellaneous
    - Helped Jill setup CI and Anaconda for ARM diags. (February 2017)
    - Contributed to ESGF Research and Development Plan regarding CDP. (February 2017)

Next Quarter's Roadmap
- Release alpha of ACME diags. (April 2017)
- Get more plot sets done for ACME diags before face-to-face meeting. (April 2017 - June 2017)
- Add distributed computing functionality to CDP (June 2017)

- Write paper regarding CDP (June 2017)
- Start working with Denis on CDMS provenance (April 2017 – May 2017)
- Help Charles with Python3 conversions for some projects (May 2017).

Resources Required to Achieve Goals
- Time to work.