Zeshawn Shaheen
Supported Projects: PCMDI, ACME

Quarterly Report for April 1, 2017 – June 30, 2017

Quarter Accomplishments:
- PCMDI
    - Helped identifying OS issues on Linux vs macOS. (May – June 2017)
    - Bunch of random bug fixes for PMP so that the legacy driver works (June 2017).
    - Released v1.1.2 of PMP with Charles (June 2017)

- ACME
    - Released v0.1a of ACME Diagnostics, this had support for only AMWG set 5, the lat-lon contour plots. (April 2017)
    - Nightlies for ACME Diagnostics. (April 2017)
    - Documentation for ACME Diagnostics: installation, configuration, running, list of parameters, adding derived variables, quick guide on aims4. (April – June 2017)
    - A bunch of bug fixes for ACME Diagnostics viewer (April - May 2017)
    - Won best poster award at the ACME All Hands On meeting with Jill. (June 2017)
    - Released v0.1b of ACME Diagnostics, has support for AMWG sets 3, 4, 5, and 7. (June 2017)
    - Began talking with ORNL and PNNL people about integrating their diagnostics into ACME Diagnostics. Will work with Yuying Zhang to integrate her cloud diagnostics. (June 2017)
    - Added more Jupyter notebook examples for Jerry (June 2017)

- CDP
    - Nightlies for CDP (April 2017)
    - Reworked viewer API to be consistent (May 2017)
    - Misc fixes regarding viewer (April – June 2017)

- Miscellaneous
    - Worked with Charles on improving the performance of VCS.
    - Identified some issues with VCS 2.10. Tested the software across a bunch of envs.

Next Quarter's Roadmap
- Advertise CDP, ACME Diagnostics, and other software we create to other uses. (June 2017 - Forever)
- Work with others on integrating their diagnostics into ACME Diagnostics. (June 2017)
- Add distributed computing functionality to CDP (July - August 2017)

- Write paper regarding CDP with Jill. This will be done for sure, but hopefully by the time indicated. (August 2017)
- Start working with Denis on CDMS provenance (August 2017)

Resources Required to Achieve Goals
- Time to work. The work from home thing is really nice.