Sam Fries
Supported Projects: ESGF, UV-CDAT, ACME

Quarterly Report for July 1, 2016 – September 30, 2016

Quarter Accomplishments:

- **ESGF**
  - **output_viewer**
    - Released via Anaconda (July 2016)
    - Added capabilities for uploading output to DiagnosticsViewer (July 2016)
    - Made improvements to usability of output (August-September 2016)
    - Extracted a DiagnosticsViewer API client from code, which is used by the ACME Dashboard (September 2016)
    - Created push-button release system utilizing anaconda and git tags (September 2016)
  - **DiagnosticsViewer**
    - Created automated deployment and test environment for security scans (August 2016)
    - Deployed at ORNL and LLNL (August 2016)
    - Made numerous improvements to user interface (August-September 2016)

- **UV-CDAT**
  - Fixed many small bugs in VCS (July 2016)
  - Assisted Ed's documentation process; cleaned up, submitted, and merged pull requests (August 2016, September 2016)
  - Created automatic provenance tracking system for CDMS (August 2016)
  - Updated the Vistrails GUI to better support navigating through multiple dimensions of data (September 2016)

- **CDP**
  - Lead author of whitepapers submitted to BER to pursue funding for CDP project

- **ACME**
  - Updated output_viewer integration with UVCMetrics to allow for customizations to AMWG/LMWG runs (July 2016)
  - Helped diagnose failing diagnostics for UVCMetrics (August 2016)
  - Added support for the CERES-EBAF observations set to UVCMetrics' metadiags (August 2016)

Next Quarter's Roadmap
- Spec out and complete prototype of vCDAT (By November 2016)
- Test and deploy BASEJumper integrating NERSC's HPSS and LLNL's ESGF test node (By December 2016)

Resources Required to Achieve Goals
- Time and developers. I'm going to need to work with Matt and Ed, nail down a very specific subset of vCDAT to have ready before the ACME meeting, and plow through that in the next few weeks.
- I'm also going to need a couple of dedicated weeks to plow through BASEJumper and tighten all of the loose ends there.