Fermi

Gamma-ray Space Telescope

Software Week
March 2-6, 2020

Kickoff Session

Topics at Software Week I – February 6-10, 2017

- **Mission planning training for FSSC personnel**
- **Transition to Git and porting CVS structure**
- **Jettisoning external packages**
- **Halfpipe and L1. What issues need to be addressed?**
- **Pipeline documentation (large and disorganized)**
- **Steve Tether's tasks he does as part of ISOC Software Monitoring.**
- **Virtualizing GlastRelease, RHEL6 mitigation, Containers & VMs**
- **GlastRelease & Level-1 updates, System tests**
- **Astroserver vs. Dataserver**
- **Data reprocessing**
- **Science Tools. VM or containers?**
- **ReleaseManager future**

Topics at Software Week II – September 11-15, 2017

- Long discussion of developer workflow
- Move to Github. Lots of discussion about how to structure Github (monolithic vs. not)
- Brian's Repoman for managing repository
- Move to continuous integration (CI) model and discussion of Travis-CI & Circle-CI
- Move to Conda.
- Merge SLAC and FSSC ST versions.
- How to manage MacOS support?
- Package managers/owner
- Steve Tether went over ISOC software summary
- Warren pipeline training
- More mission planning training

Topics at Software Week III – February 12-16, 2018

- **Conda builds of tools**

- **Change name to Fermitools**

- **Repoman release processes finalized**

- **Jenkins docker builds**

- **Anaconda cloud channels**

- **Conda work to build in Jenkins**

- **Updating Scons files.**

- **Conda distribution discussion and handling of externals**

- **Conda channel organization**

- **GlastRelease L1 vs. Master?**

- **Discussion of pipeline training by Warren**

- **FermiPy. Who will maintain?**

- **Python3 and Fermtools**

Goals for Software Week IV – March 2020

- **Identify what needs to be done and who will do it.**
  - **Identify areas of shortfall.**
  - **Who is in charge of what?**
  - **Who can take over the various tasks if someone leaves?**
- **Develop the Fermitools future roadmap.**
- **Progress on FT2 reprocessing and IGRF update in the pipeline.**
- **Develop long term plan for SLAC activities and tasks.**
- **What else?**

Software Week Activities

- **Go over schedule for the week. What/when are we going to discuss and work on?**

- **Develop list of staff and what they are/will/can do.**

- **Discuss path forward for FT2 reprocessing and pipeline maintenance.**

- **Alex to give presentation on how to contribute to the Fermitools.**

- **Joe to give presentation on the Azure pipeline.**

- **Have a session to work on Fermitools bug fixes.**

- **Work on the use of containers for pipeline.**

- **What else do people want to work on?**