

Scope of Work

Matt Craig — Minnesota State University

Performance Period: 12 months

Project-Critical Services

These tasks are critical to the Astropy Project and which we expect the contractor to perform during the performance period.

Conda packaging: Maintain the conda packages on conda-forge for the core, coordinated, and infrastructure packages, and keep the astropy conda channel up-to-date. Ensure conda installation instructions for supported packages are up-to-date. Ensure that the latest conda versions of packages are all compatible with each other (this could be done as part of a wider effort with other developers to set up a project-wide integration testing repository, where we install all core/coordinated/infrastructure packages using different methods and make sure all the test suites pass when these are all used together).

Package template maintenance: Contribute to maintaining the astropy package-template by helping review existing and new pull requests and opening new pull requests for the highest priority issues. Contribute to maintaining the package-template documentation (including the APE-17 migration guide) and assisting developers who are trying to use the package template.

Coordinated package infrastructure work: Ensure core, coordinated, and infrastructure packages all use the latest infrastructure recommendations, and follow the recommendations of APE 17 and the latest package template.

Tutorials/Astropy Learn infrastructure: Contribute to building and maintaining the infrastructure work for Learn Astropy with an emphasis on adding guides and improving the integration of guides/tutorials/examples.

Reviews of pull requests to project packages: Review pull requests submitted to the core, coordinated, and infrastructure packages on which contractor has expertise and assist contributors in addressing required changes or take over inactive pull requests.

Other In Scope Services

These are lower priority items that, if time allows, could be worked on during the performance period.

Photutils tutorials: develop one or more tutorials for astropy learn that showcase using photutils to carry out photometry on real data.

Refactoring ccdproc: ccdproc is in need of refactoring to improve consistency across the package - as one of the lead developers of ccdproc, contractor is the best person to carry this out.

Administration and Reporting

Contractor will be expected to communicate with other maintainers, participate in monthly development telecons, participate in weekly Learn telecons, and attend the annual coordination meeting.

Every quarter, the contractor will be expected to provide a brief (~1 page) summary of work completed.