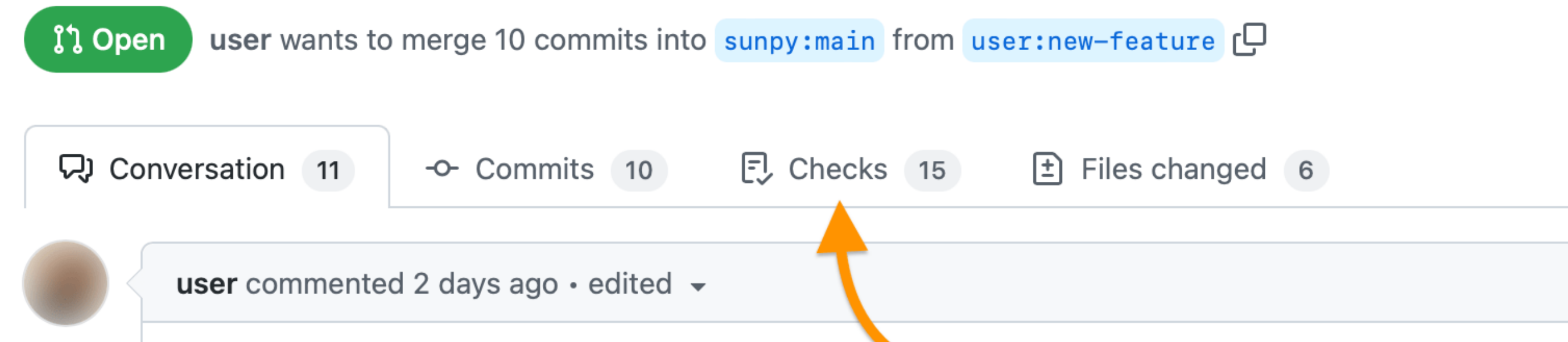


State of the CI

Current Checks (core package)

- **Code style**
- **Changelog included**
- **Unit tests**
 - Linux, macOS and Windows
 - Python 3.8—3.10
 - Oldest dependency versions
- **Documentation build test**
 - Offline rendering check
 - Online example gallery generation
 - Read the Docs build

PR adding new feature to SunPy #5957





- **Online tests** Uses remote data; Slower; Flaky
 - **Figure tests** Comparing hashes and baseline images
 - Specific stable versions of key dependencies
 - Development versions of key dependencies
 - **Unit test coverage**
-
- **Build tests** Not in PRs
 - **Scheduled tests** Every day at 07:00 UTC
 - Base sunpy dependencies
 - Development version of key dependencies

State of the CI


Current Services

- GitHub Actions ↔ tox ↔ pytest
- CircleCI HTML artifacts
- pre-commit.ci Fast and can push fixes
- Codecov
- Read the Docs
- Stuart's Server OpenAstronomy/baldrick
- Automatic backports using Meeseeks Box
- Azure Pipelines Used by some affiliated packages




**Review required**[Show all reviewers](#)



At least 1 approving review is required by reviewers with write access.
[Learn more.](#)



1 pending reviewer



▼



**Some checks were not successful**[Hide all checks](#)

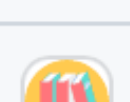

5 failing and 7 successful checks



ci/circleci: py38-figure — Your tests passed on Circle...[Details](#)


ci/circleci: py39-figure-devdeps — Your tests passed...[Details](#)

docs/readthedocs.org:sunpy — Read the Docs build ...[Details](#)

figure-tests Successful in 6m — Workflow: figure-te...[Details](#)

figure_report — Click details to see the figure test co...[Details](#)

pre-commit.ci - pr — checks completed succes... **Required** [Details](#)

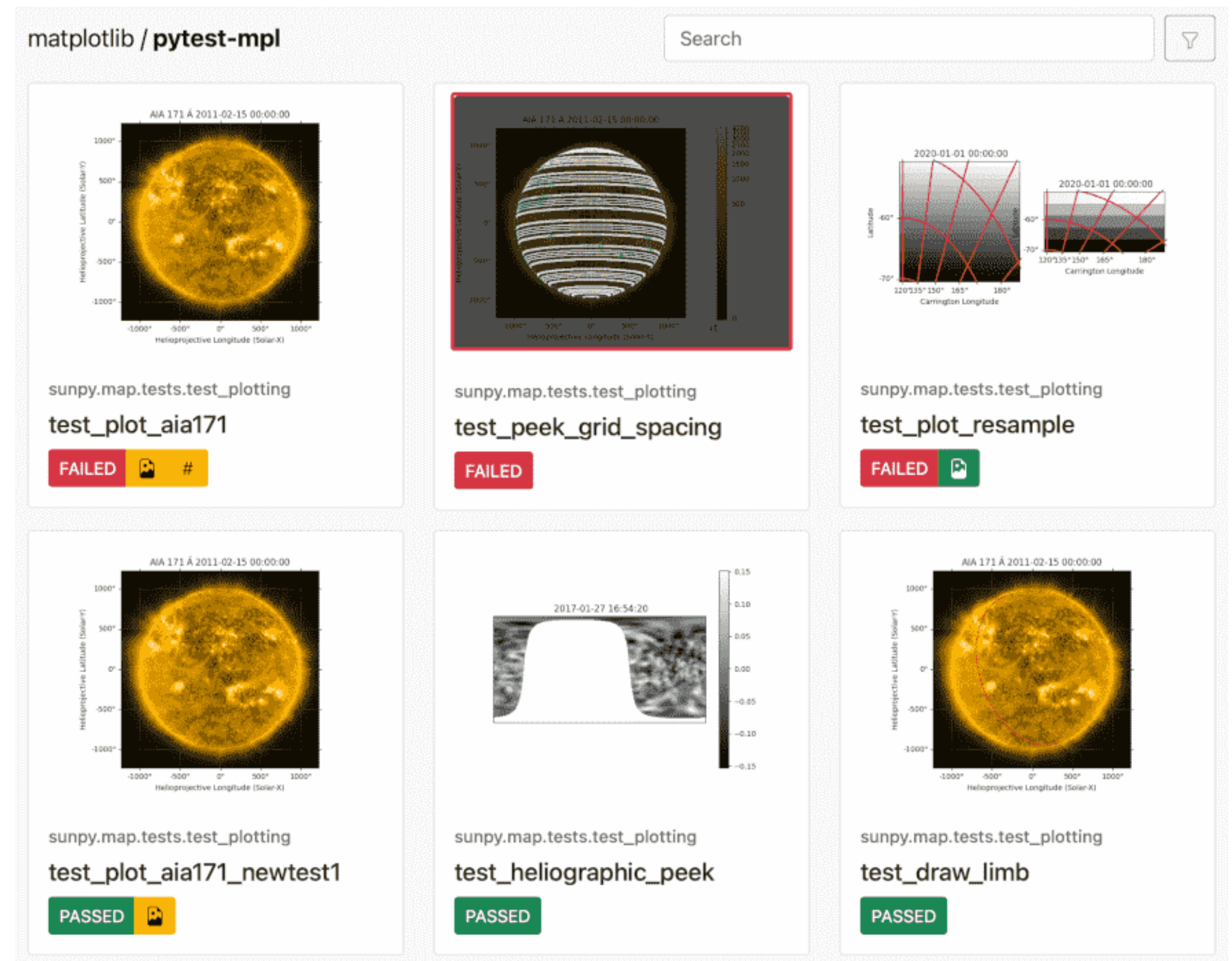
**Merging is blocked**

Merging can be performed automatically with 1 approving review.

State of the CI

Recent Updates

- **Migration from Azure Pipelines to GitHub Actions** [OpenAstronomy/github-actions-workflows](#)
 - Testing workflow [tox.yml](#)
 - Publishing workflow [publish.yml](#)
 - Pure Python publishing workflow [publish_pure_python.yml](#)
- **New figure tests HTML dashboard** [matplotlib/pytest-mpl](#)
 - Searching and filtering test results
 - Desktop and mobile optimised
 - Demos: [macbride.me/pytest-mpl](#)



State of the CI

Future Updates

- Improvements to benchmarking Using airspeed velocity (asv)
- David Stansby currently integrating vcrpy to mock HTTP interactions
 - Improve speed and reliability of online tests
 - Currently just text files — expand to data files?
- Migrate all sponsored packages to GitHub Actions?
- CI status dashboard for all SunPy projects