The State of pyvo

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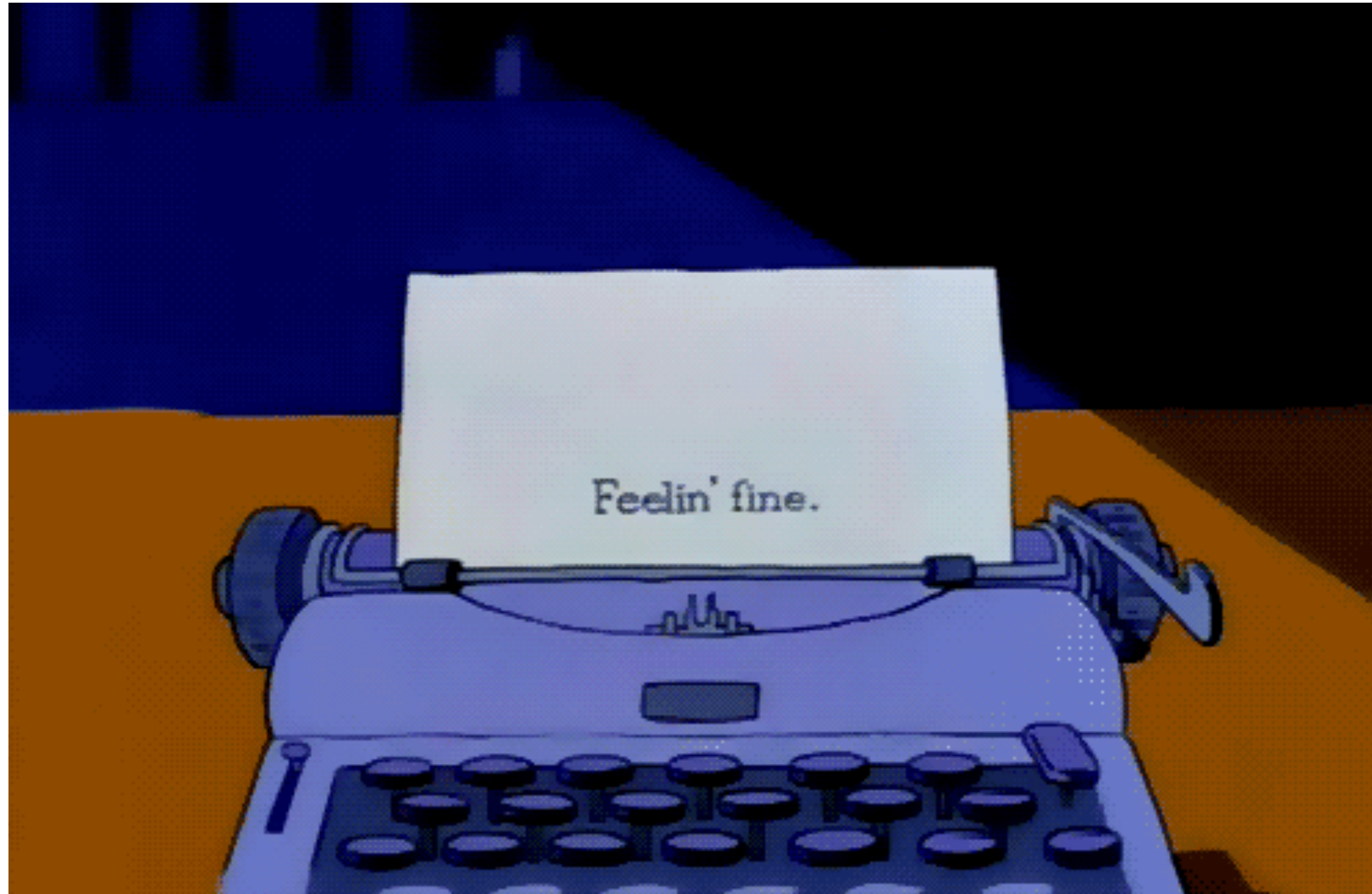
LSST
Large Synoptic Survey Telescope
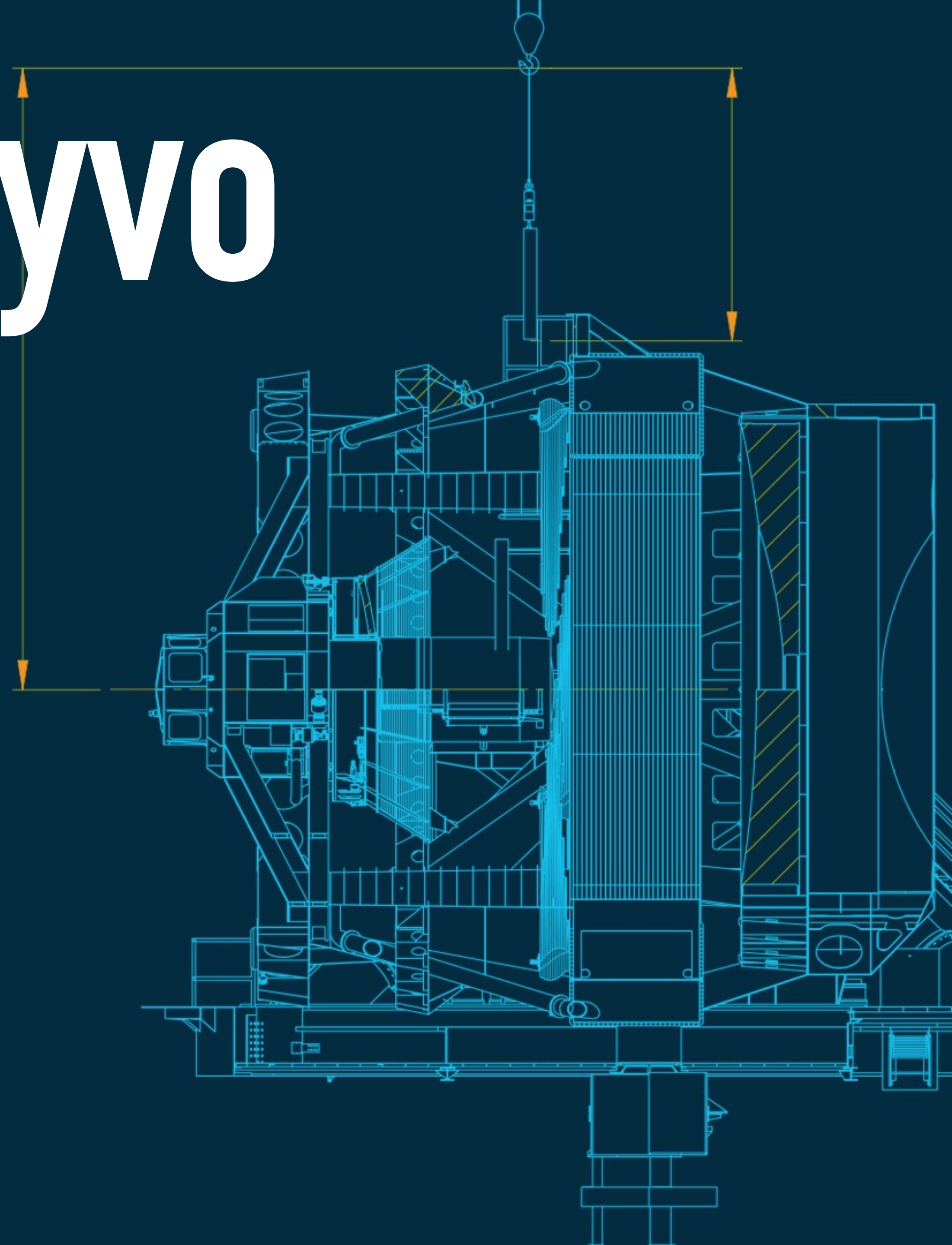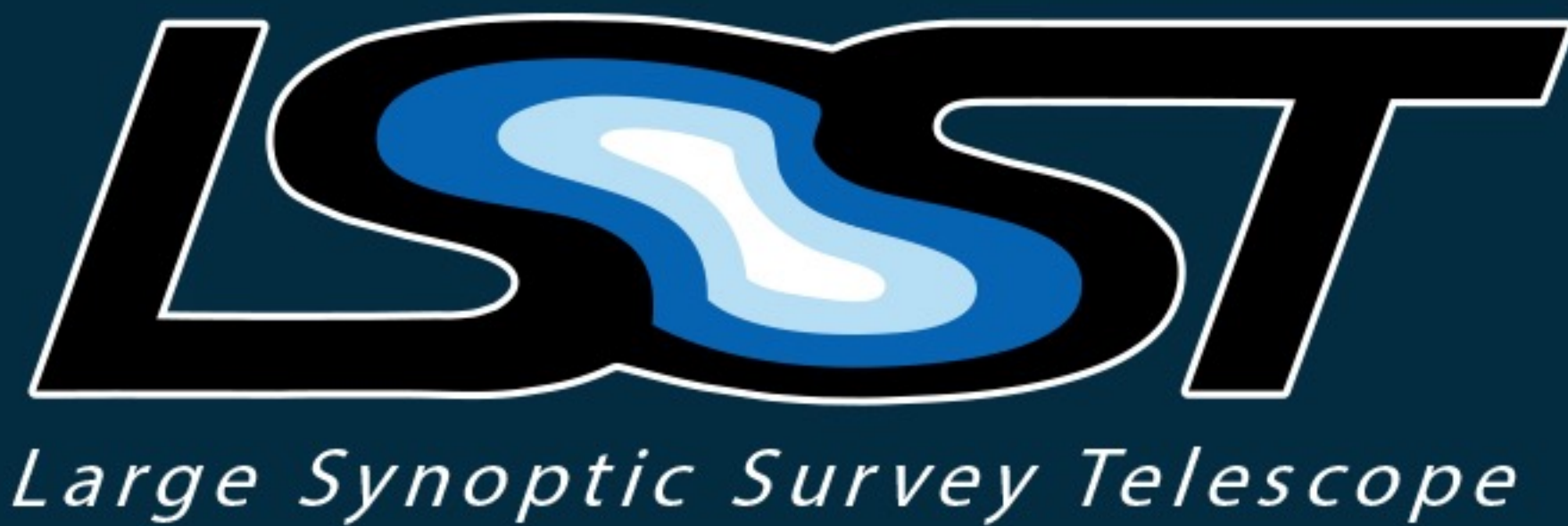
The State of pyvo

Agenda

- How is pyvo these days?

- Since the Hackathon in Paris

- New features

- Bug Fixes

- Future plans

How is pyvo these days?

Since the Hackathon in Paris

pyvo 1.0 released

- Kept up with the Astropy community on the Astropy Slack at #pyvo

- Repository now under the Astropy organization on GitHub

- Got into a great pull request process

- Deprecated python 2 support after releasing a minor release

  - 0.9.3 will be the last python 2 release

  - 1.0+ will be python 3 only

Since the Hackathon in Paris

Pull Request Process

- Fork pyvo on GitHub

- Push a branch with your change, and create a pull request on GitHub

- Travis builds automatically check style and run tests

  - We've fixed the builds, and don't allow merges that aren't with the green check

  - Check pep8 style automatically

  - Run tests and code coverage

  - Build docs using sphinx_astropy

- Maintainer does a code review and approves, merges it to master for the next version

New Features in pyvo 1.0

Two features

- Listing past jobs from a TAPService

    - service.get_job_list() and service.get_job(12345)

    - Parses the information from the UWS async endpoints and returns it out into python objects

- Authentication support for TAP based on capabilities

    - Look at pyvo/examples/auth for examples for CADC and GAIA using certificate and cookie auth

    - If your service uses auth, please feel free to add an example or ask for help

- Deprecated python 2 support

Bug Fixes in pyvo 1.0

Bugs Fixed

- Fixed a number of small build breaks integrating with astropy_helpers

- Fixed a compatibility issue with retrieving CADC async results (#148)

- Fixed some AstropyDeprecationWarnings (#164)

- Fixed registry searching when using hash lists (#175)

- Examples fixed and updated:

  - New image catalog search examples (#172)

  - Don't try to install them into /usr/local/bin (#166)

  - Fix and improve regtap example notebook (#177)

Future Plans

Hacktoberfest and Beyond

- pyvo needs you to make pull requests for pyvo 1.1!

  - https://hacktoberfest.digitalocean.com

  - 4 pull requests gets you a t-shirt!

- Please report any issues on GitHub that you see

  - For trivial fixes or document fixes, feel free to make a pull requests

- Looking for additional maintainers

- Anyone can contribute features or bug fixes, and please do!

- pyvo needs a fancy logo for people's slides

Thank you all

pyvo maintainers:
Christine Banek
Adrian Damian
Stefan Becker
Ray Plante

invaluable Astropy helpers:
Brigitta Sipocz
Pey Lian Lim
Erik Tollerud
Adam Ginsburg

community contributors:
Markus Demleitner
Tess Jaffe
Tim Jenness
Hugo van Kemenade

Discussion:

What do you want to see from pyvo?
Is there something preventing you from using pyvo?
New features?