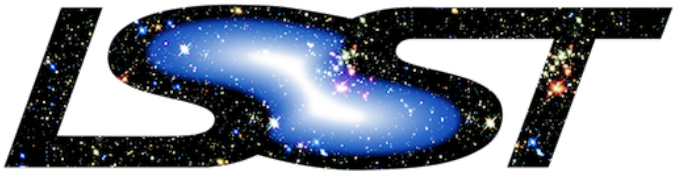

LARGE SYNOPTIC SURVEY TELESCOPE

Large Synoptic Survey Telescope (LSST)
Data Management

Image display working group charge

Willliam O'Mullane

LDM-702

Latest Revision: 2019-05-28

Abstract

TOR for image display working group

Change Record

Version	Date	Description	Owner name
1	YYYY-MM-DD	Unreleased.	Willliam O'Mullane

Contents

Image display working group charge

1 Scope

This Working Group is to look into image display for pipeline developers as well as Quality Assurance (QA) and commissioning staff. It should start by June 1st 2019 and conclude by the Project and Community Workshop in August 2019 with an interim report to the DMLT in July.

2 Responsibilities

The Working Group (Working Group (WG)) has the following responsibilities:

- Take note of DMTN-085 which is the basic reason for this WG.
- Take input from pipeline developers, the commissioning team and QA staff.
- Identify minimal set of use cases for overlay and interactivity with images in the Portal which will be useful to 95% of users.
- Identify use cases for image display in notebooks where some form of interactive overlay is needed.
- Consider if tools in PyViz ecosystem are sufficient for the notebook use cases.
- Consider if Firefly is sufficient for portal use cases.
- The WG Chair shall convene meetings on a regular basis.
- The WG will make a recommendation on minimum and desirable image display functionality, potentially identifying tools (not necessarily a single tool) which could be used in each case, and identifying use cases where the existing tools are not sufficient.
- The WG will draft a report (DMTN) with some recommendations for the consideration of DMLT.

3 Specific tasks

3.1 Draft use case/requirements document(s)

Consolidate and classify use cases for image display in a single document. This is not just for the LSST Science Platform (LSP) but rather a cross cutting document. This should clearly identify Data Management (DM) requirements and DM desirable functionality and like wise for what may be considered non DM requirements. The group should decide if they wish to spend a little time on understanding the camera diagnostic display requirements, care should be taken to not spend a lot of effort to scope non DM work however. It may be preferable to spend time consulting with camera when a consolidated list is available. In general cost and scope should be considered - a cash amount has been held specifically for this task, should it be needed it this. There is about 900k there, of which $\approx 600K$ was intended for the portal revamp in 2022/23 leaving about 300K for the image display needs. [1].

4 Membership

The proposed membership is:

- Yusra AlSayyad **(Chair)**,
- John Swinbank (as custodian of DMTN-085),
- Lauren MacArthur
- Simon Krughoff
- Gregory Dubois-Felsmann

5 Reporting

Th WG Chair shall report directly to the DM Project manager weekly.

[1] https://project.lsst.org/groups/ccb/node/2930

A References

[1] **[DMTN-085]**, Bellm, E., Chiang, H.F., Fausti, A., et al., 2018, *QA Strategy Working Group Report*, DMTN-085, URL https://dmtn-085.lsst.io, LSST Data Management Technical Note

B Glossary

Data Management The LSST Subsystem responsible for the Data Management System (DMS), which will capture, store, catalog, and serve the LSST dataset to the scientific community and public. The DM team is responsible for the DMS architecture, applications, middleware, infrastructure, algorithms, and Observatory Network Design. DM is a distributed team working at LSST and partner institutions, with the DM Subsystem Manager located at LSST headquarters in Tucson..

DM Data Management.

DMLT DM Leadership Team.

LSP LSST Science Platform.

QA Quality Assurance.

WG Working Group.