

DART Data Review: LCOGT

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1. Overview:

Las Cumbres Observatory (LCOGT) 1-meter Telescopes

- FLI Imagers
- Sinistro Imagers

Bundle: PDS4 standard

Time range:

- FLI Imagers:

2022-09-26

- Sinistro Imagers:

2022-07-30

2022-07-31

2022-09-12

2022-09-25

2022-09-28 to 2022-10-10

2022-10-26

2022-10-27

2022-10-29

2022-11-17

2022-11-21

2022-11-22

2022-11-24

2022-11-29

2022-11-30

2022-12-16

2022-12-30
2022-12-31
2023-01-01
2023-01-13
2023-01-15
2023-01-24
2023-01-25
2023-01-26

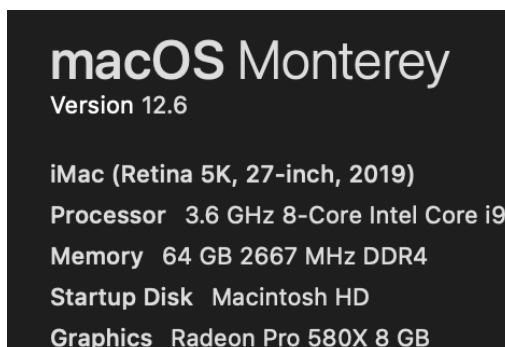
This bundle contains data files associated with the DART Las Cumbres Observatory (LCOGT) observations. Hosting raw, calibrated, derived and document packages.

Review summary:

This ground observation data review focused mainly on the document and data header and labels. For this review, the image packages are very large. I did not download the whole package because of my limited local space. So I focused my review on the files from one package of each calibration and raw sets, the ddp sets and the documentation set. I checked image files, header, XML labels with both my own tools and *PDS4_tools*. The documentation and calibration are also checked. The dataset is now in good condition, only a few minor issues.

2. Review process:

Review environment:



Tools:

- Python Jupyter notebook 6.0.3
- PDS4_Tools v1.3

- Oxygen XML Editor 23.1
- Adobe Acrobat Reader DC 2019
- Beyond Compare 2

Review steps:

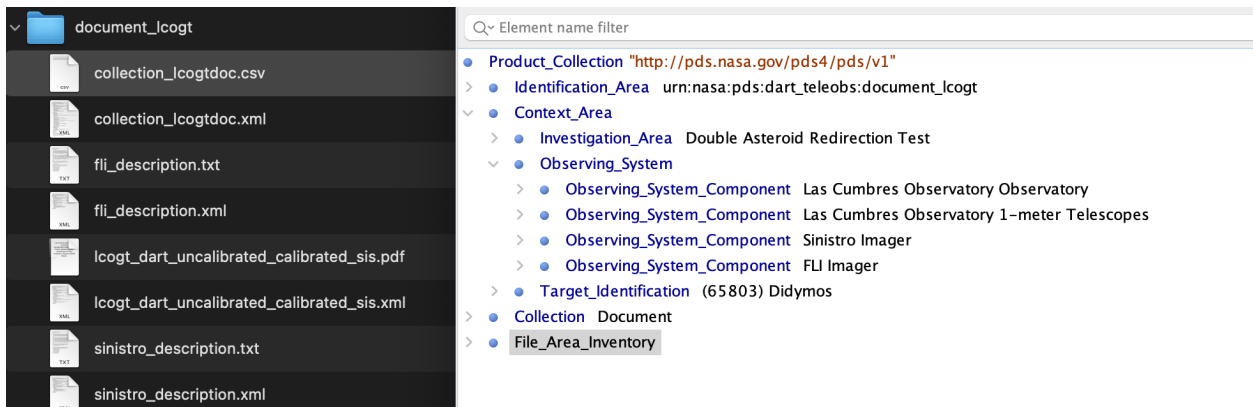
- Read data files and label files.
- Check the headers and XML labels.
- Check documents

3. Documents :

- Generally sufficient. Compared to the previously reviewed Lowell sis file.
- SIS file is v0.6.
- Now that DART is done, some “will” in the documents should be changed to properly reflect that.
- Reference the sis file in the *_overview.txt
- What was the standard of picking the image quality? Is it recorded somewhere?

4. XML Labels:

- Validation: good.



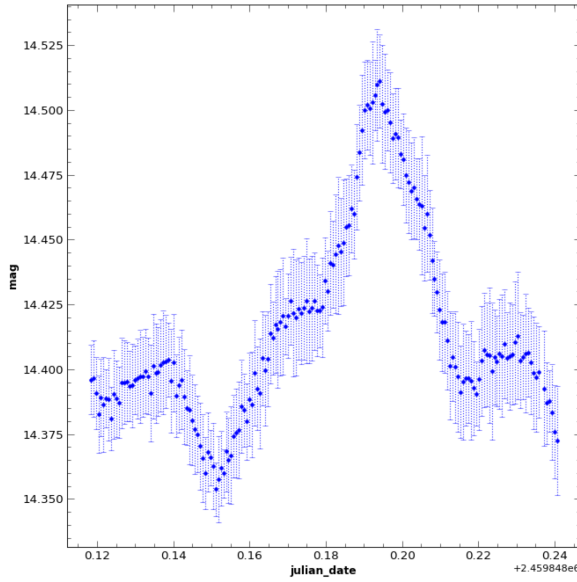
<description>The description for the Las Cumbres Observatory can be found in the document collection for this bundle.</description>

<description>The description for the Las Cumbres Observatory 1-meter telescopes can be found in the document collection for this bundle.</description>

Do you mean to include two other description files in this bundle?

5. Data files:

- Readable. Image shown correctly.
- Table shown correctly.
- Header: sufficient



6. Other small edits:

- i. The PDFs could benefit from a auto batch edit correction for small format issues, such as, “insert a space between words and parentheses”, “add a comma after all the e.g. and i.g.”, “remove commas before ands” and spell check for small typos.
- ii. In “fli_description.xml” “<description>Describes the Las Cumbres Observatory (LCOGT) FLI Imager, Detector, and Filters.</description>” remove comma before and.