

# DART Data Review: LDT

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Sep 15 2023

## 1. Overview:

Lowell Discovery Telescope (LDT)

**Bundle: PDS4 standard**

**Time range:**

2020-12-17

2020-12-20

2020-12-23

2021-01-08

2021-01-09

2021-01-10

2021-01-14

2021-02-17

2021-03-06

2022-11-17

2022-11-18

2022-12-15

2023-01-25

2023-02-17

2023-02-21

2023-03-14

This bundle contains data files associated with the DART LDT observations. Hosting raw, calibrated, derived packages.

**Review summary:**

For it is V2 data review of ground observation, this review focused mainly on the data header and labels. 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.
- Compare datasets, and analyze the difference.
- Check txt

### 3. Documents :

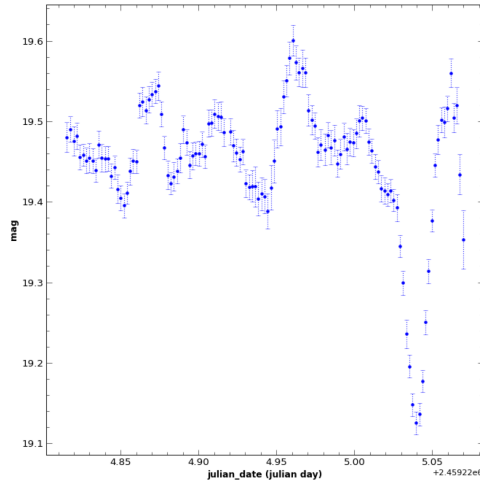
- Sufficient.
- To verify the status of the LDT SIS file.
- Reference the sis file in the \*\_overview.txt
- What was the standard of picking the image quality? Is it recorded somewhere?

### 4. XML Labels:

- Validation: good.

### 5. Data files:

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



Plot looks normal.

## 6. Other small edits:

- Now that DART is done, some “will” in the documents should be changed to properly reflect that.