DART Data Review: MRO

Reviewer: Xiao-Duan Zou (Planetary Science Institute)

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1. Overview:

Magdalena Ridge Observatory (MRO)

Observation using MRO2K CCD on the MRO 2.4m Telescope.

Bundle: PDS4 standard

Time range:
2022-10-11
2022-10-21
2022-11-22
2022-11-30
2022-12-01
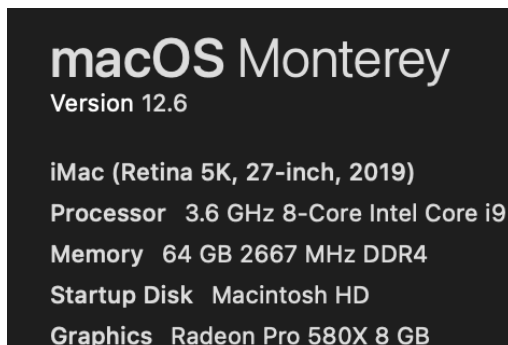2022-12-25
2023-01-28
2023-01-29
2023-01-30
2023-02-11
2023-02-17
2023-02-25

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

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.
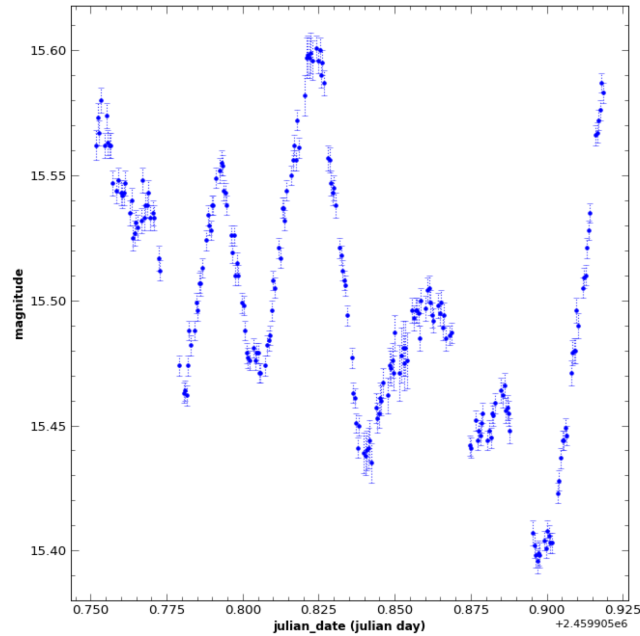- Check the headers and XML labels.
- Check documents

3. **Documents**：
- Sufficient.
- Reference the sis file in the *_overview.txt
- What was the standard of picking the image quality? Are the observation conditions recorded somewhere?

4. **XML Labels:**
- Validation: good.
- Reference star data: There is no labels for the png files

5. **Data files:**
- Checked all for this package. All are readable.
- Table shown correctly.
- Header: "OBJECT = 'didycompsR'   / Target object "

- Plot works

6. Other small edits:
   - ○ Now that DART is done, some "will" in the documents should be changed to properly reflect that.
   - ○ **SIS file:**
      - i. **"All lightcurve observations of Didymos will obtained with a Bessell R-band filter" will be obtained**
      - ii. **"The MRO data collections will be stored in a directory tree organized by collection, then by date of observation.. " remove "."**