PDS Review
COSIMA

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Summary

- CODMAC Level 2 and Level 3 data

- COSIMA In-Flight and 67P Data until end of mission

  - Single gigantic archive

  - Volume includes calibration data

- Finding data of interest is unnecessarily complicated

Level 2 Data: RO-C-COSIMA-3-V7.0

- COSIMA Complete In-Flight and 67P Raw and Calibrated Data

- Supersedes previous releases

- Addressed minor issues with the previous releases:

  - Fixed units of HK temperatures

Level 3 Data: ro-c-cosima-4-v1.0

- Spectroscopic data has been uniformly binned and mass calibrated:

  - first step was to correlate spectrum with template spectrum

  - second step was to use a low mass and a high mass peak to improve step 1 calibration

- Procedure is well documented and the data is valuable for the community

RID: Major

- The PDS Volume is excessively large:

  - Compressed tar Archive: 35 GB

  - Uncompressed tar much larger

- Archive is borderline useless

Usability

- Current gigantic archive size cannot be handled by common users

- User will be mostly interested in mass spectra of dust particles but there is no "central hub"

- To find such data the user needs to scan each target directory individually

- …and even this is challenging