

lucy.rss Donaldjohanson review

Dustin Buccino, Oct 1, 2025

- The following new collections to the bundle were reviewed:
 - urn:nasa:pds:lucy.rss:data_donaldjohanson_ion::1.0
 - urn:nasa:pds:lucy.rss:data_donaldjohanson_sff::1.0
 - urn:nasa:pds:lucy.rss:data_donaldjohanson_trk234::1.0
 - urn:nasa:pds:lucy.rss:data_donaldjohanson_skyfreq::1.0
- Note: documentation bundle was not in scope for review and was not examined. It was helpful for use & interpretation of the data files.
- Checks performed:
 - ✓ Data products all have labels that appropriately describe the data and allow readability
 - ✓ Data products cover the flyby (trk234, skyfreq) – **trk234 from 2025-04-10 to 2025-04-27**
 - ✓ Data products are consistent – see figure to upper right. There is more trk234 data than skyfreq data, which is expected as the skyfreq is a partially-processed data product
 - ✓ Ionosphere calibration products (ion) cover the data products (trk234, skyfreq)
 - ? Small forces are only present on 2025-04-20 to 2025-04-21. Does this mean that there was no spacecraft thruster use outside that day?
- Once the question about small forces is answered, the data look in good shape and are certifiable.
 - If that is the only day of thruster firings, it would be a useful addition to the collection_overview.txt to state that
 - If there is missing data, it should be added.

