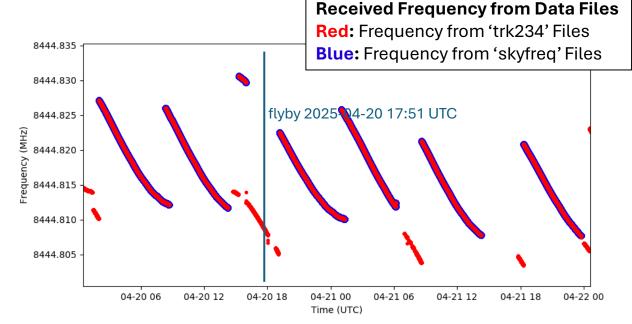
## lucy.rss Donaldjohanson review

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.