**Review of new set of Luke tf data by Olivier Barnouin**

Images look great. I was able to look at them in various readers – ImageJ, idl and astropy. Saw no seams. And improvements made with the new calibration look really good.

Documentation looks good. Quick read xml labels show no issue that I saw. The ancillary data in fits labels and fits looked reasonable.

I did not check explicitly the values of RA/DEC. I assumed Tony knew what he was doing. But I did check that they were not that different from what the DART/LICIAcube SOC provided when we first delivered the data, and I can confirm that the values are in family. However, I was not able to find the new NAIF SPICE kernels used for his geometry calculations.

Minor items (don’t affect use):

1. (Point 2 in data\_summary.txt) “Images of triplet are not available” – would recommend providing a list of which images this applies too. Maybe these can be added in the data\_summary.txt file. (not required – but nice to have)
2. Make sure to update the Farnham reference – the paper is now published – in data\_summary.txt (required)
3. Add that final paper (which is open access) to the “document” directory – rather than the preprint placed there now. (<https://iopscience.iop.org/collections/psj-230131-111>). (required)
4. Make sure the new SPICE kernels are available at NAIF. I could not find them. (required)
5. A nice to have, but absolutely not required, is providing color pngs of the calibrated images, similar to what was done with the original Luke collection given that not everyone can easily de-Bayer the now newly calibrated 3-band color images. It would certainly make it easier for users to browse the images quickly when they are searching through the PDS. But if the original collection is also made available – then it may not be required.