Questions, Comments and Answers following the presentation

ESO-VLT science data processing
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<u>Deustua</u>: *How often do PI/Users process their own data (i.e., not use the ESO processed products)?*

We don't know exact numbers. What we follow is the number of downloads from the archive (raw and products), and number of papers based on archival data. These archival downloads produce currently already about the same number of papers as one of the UTs, so one could call the archive "UT5".

<u>Smette</u>: *We have seen calibration problems with master calibrations or problems with the pipeline. Do you then reprocess the data?*

In principle yes. So far problems with master calibrations were of minor nature, in which case we have reprocessed the affected science data process, but this was never at a massive scale but more case-by-case. Also, pipeline problems were only minor so far, since we typically review a pipeline thoroughly before it is used for science data processing. We do not provide a regular reprocessing since there has not been the need so far.

<u>Tristram</u>: *How does the observatory reduce science grade data compare to the science data produced by the PIs (e.g., in publications)? Is the same data quality (depth, S/N, calibration accuracy) reached?*

So far there is little or no overlap between the ESO-provided science products (called "internal") and the PI-provided science products (called "external"). The external products mostly come from surveys or Large Programmes. One can expect the PI-provided products to be optimized for the specific science case, which is not the case for the ESO-provided data products.