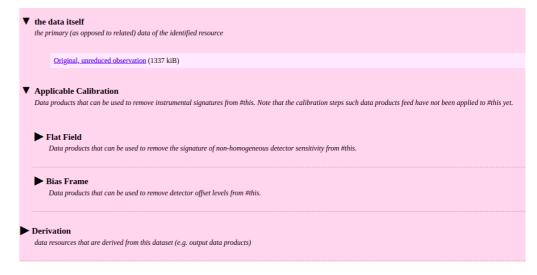# About VEP-009

- The <u>proposal</u> was about restricting the term #progenitor to science data.

  - Used in provenance and HiPS contexts.

  - Implementations all consistent with this definition : ESO TAP-Obs service, Gavo ..

  - The idea was also that some specific solution has to be found for «applied calibration data » when #calibration is now for « applicable calibration ».

About VEP-009

- Issue : Other « parts of provenance » (calibration data, physical models, instrument configuration, etc...)?

    - CADC proposed and Gavo implemented (Maidanak) a recursive solution : #progenitor link retrieves a new DataLink document with

        - #this to raw data

        - #calibration to data usable for

          calibration of raw data

Links for maidanak/data/Berkeley_56/Johnson_R/red_kk070026.fits.gz

▼ **the data itself**
   the primary (as opposed to related) data of the identified resource

   Original, unreduced observation (1337 kiB)

▼ **Applicable Calibration**
   Data products that can be used to remove instrumental signatures from #this. Note that the calibration steps such data products feed have not been applied to #this yet.

   ▶ **Flat Field**
      Data products that can be used to remove the signature of non-homogeneous detector sensitivity from #this.

   ▶ **Bias Frame**
      Data products that can be used to remove detector offset levels from #this.

   ▶ **Derivation**
      data resources that are derived from this dataset (e.g. output data products)

About VEP-009

- This solution works in many cases and

confirm we have to change the progenitor

definition, but :

  - We cannot ensure that the calibration data have been actually the one used.

  - Another term should be found for that. See upcoming use cases for ALMA an ESO.

  - Another wider term for « part of provenance » or « used entities » which will encompass progenitor and calibration-applied?