



JIVE - VO interface prototype for the EVN archive

Mark Kettenis, 17 November 2020

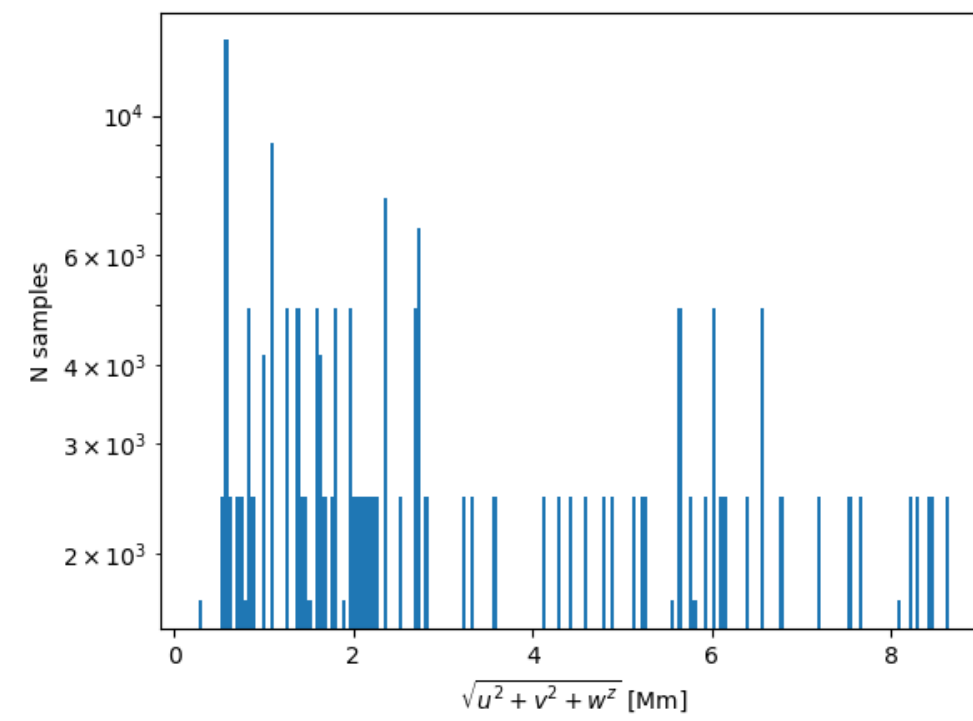
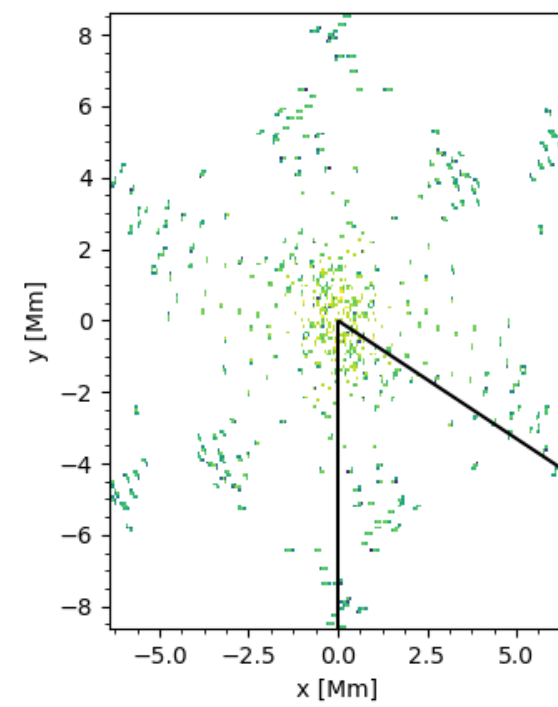
VLBI visibility data



- Each observation produces 1 or more sets of FITS-IDI files
 - e.g. spectral line observation: continuum pass and line pass
- For each set of FITS-IDI files yields one or more ObsCore datasets
 - Separate datasets for each target
 - Separate dataset for each set of bands separated by large gap
- Media type for FITS-IDI: application/x-fits-id
- Media type for PSRFITS: application/x-fits-psrfits (for future FRB data products)
- Hardware for hosting the service ordered!
- Will use DaCHS to serve ObsTAP and Datalink
 - Datalink groups set of FITS-IDI file, calibration data and preview images

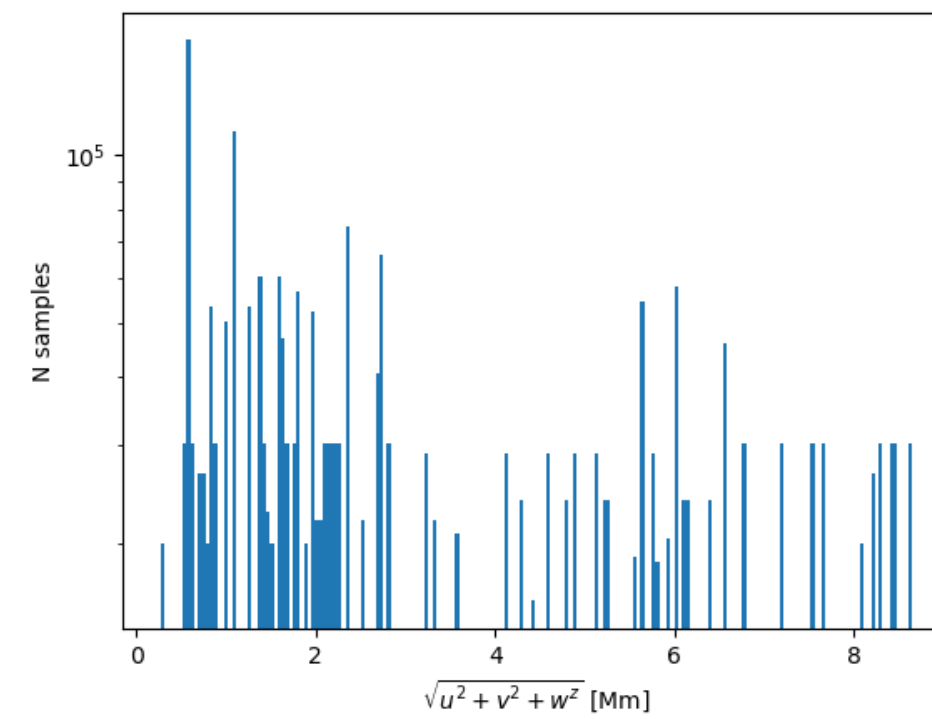
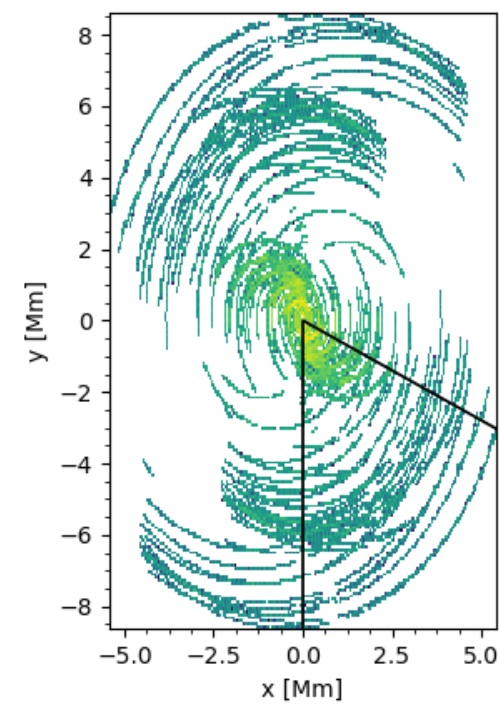
**Something for
a VEP?**

UV space characterization



$$e = 0.74$$
$$f = 0.03$$

calibrator source



$$e = 0.63$$
$$f = 0.25$$

target source

Provenance



Exploring two areas:

1. Provenance for FITS-IDI data products
 - “on-top” using information from databases
2. Provenance for CASA processing
 - “inside” using information in HISTORY table (looks fairly complete)
 - possibly augmented using Python decorators