

Annex 1 with technical details to IVS-Res-2021-02

All parameters to be monitored as stated in the resolution should be observed and recorded at least once for each observation (scan) of the telescope and for all frequency bands. The reasons for this are that VLBI Level 1 data (fringe visibilities) need to be calibrated for these effects to produce correct Level 2 data (group and phase delays as well as their time derivatives). Calibrated amplitude information is needed to determine baseline-dependent source brightness temperatures for scheduling VLBI observations and for analysis/correction of source structure and polarization effects.

The IVS Network Coordinator and the IVS Technology Coordinator maintain a set of best practices for measuring this information. Overview presentations are available at https://ivscc.gsfc.nasa.gov/about/com/vtc/2021-04-08_VTC_Seminar_Station_Amplitude_Calibration_Eskil_Varenius.pdf, https://www.haystack.mit.edu/wp-content/uploads/2021/05/TOW2021_Campbell.pdf, and https://www.haystack.mit.edu/wp-content/uploads/2021/05/TOW2021_Lindqvist.pdf.

All these data should be stored and can finally be retrieved from... Account information to submit data and/or access this service can be obtained from...

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