

Network Monitoring Report: K-band N23K1

Source: J1152+2930, J1221+2813, J1058+0133, J1159+2914 **Length:** 180 min. **Observing mode:** Mk V, mode 2048-32-2, dual pol.
Reference antenna: Effelsberg **Date of observations:** 03/06/23 **Reference date:** 03/06/23; 154d 12h 00m
Experiment code: N23K1 **Date of report:** 06/10/23 **by:** Benito Marcote

- ⊗ According to expectation, no special remarks
- Problem occurred - see enclosed footnote(s)
- ⊘ Station did not observe (not scheduled)
- Entry not applicable/investigated

| | Jb2 | Ef | Mc | Nt | O6 | T6 | Ur | Tr | Ys | Hh | Ky | Ku | Cm | Da | Kn | Pi |
|--|-------|------|-------|----|-------|------|-------|----|------|-------|-----|-----|-------|-------|-------|-------|
| Station has observed | ⊗ | ⊗ | ⊗ | ■ | ⊗ | ⊗ | ⊗ | ■ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| Station produced fringes (ftp) | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ■ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| Station produced fringes (disk) | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| Logs are available (within 72 hours) | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ⊗ | ○ | ○ | ○ | ○ |
| Antabs on vlbeer (within 7 days) | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ■ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ⊗ | ○ | ○ | ○ | ○ |
| Feedback on www (within 7 days) | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ■ | ○ | ⊗ | ⊗ | ⊗ | ⊗ | ■ | ■ | ■ | ■ |
| GPS clock estimate gives fringes | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| Clock rate in psec/sec | 0.037 | 0.35 | 0.017 | - | -0.63 | 0.79 | -0.45 | - | 1.39 | 0.021 | 0.0 | 0.0 | 0.037 | 0.037 | 0.037 | 0.037 |
| Recording okay | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| Polarization setup okay | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| Strong signal amplitude | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| Sampler statistics okay | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| Please check BBC number(s): | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ○ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| Previous reported problem(s) corrected | | | | | | | | | | | | | | | | |
| Problem(s) first reported | | | | | | | | | | | | | | | | |
| See enclosed footnote(s): | | | | a | | b | c | d | e | f | f | f | f | g | g | g |

Enclosure: Footnotes K-band N23K1

Footnotes to the Network Monitoring Report: K-band N23K1

General:

- a) **Nt, Noto:** Could not observe because of a elevation servo system failure that was still being repaired.
- b) **T6, Tianma:** No fringes found during FTP-test but found during the disk correlation. Data look good.
- c) **Ur, Urumqi:** ANTAB file provided, but T_{sys} information and timestamps were not properly recorded and thus only showed meaningless values.
- d) **Tr, Toruń:** Could not observe as the receiver was not available.
- e) **Ys, Yebe:** Storm started at 16:30UT, impacting the observation afterwards.
- f) **Ky,Ku, Yonsei, Ulsan:** Fringes since scan 5. The setup was changed at the beginning as the original frequency setup for the stations was not compatible with the JIVE correlator.
- g) **Da, Darnhall:** Fringes obtained but the signal seems weaker than expected from the other eMERLIN antennas.

Questions? marcote@jive.eu

Report ends