

Network Monitoring Report: M-band 5cm F23M1

Source: J1613+3412 **Length:** 60 min. **Observing mode:** 1024 Mbps, 8x32 MHz, 2 bits, dual pol.
Reference antenna: Effelsberg, Tianma **Date of observations:** 23/10/23 **Reference date:** 296d 10h 30m
Experiment code: F23M1 **Date of report:** 15/01/24 **by:** Gabor Orosz

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

| | Jb2 | Wb1 | Ef | Mc | Nt | O8 | Ur | T6 | Tr | Hh | Ib |
|--|------|------|------|------|----|-------|-------|------|-----|------|----|
| 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 | 0.09 | 0.11 | 0.23 | 0.05 | – | –0.63 | –0.48 | 0.78 | 2.1 | 0.02 | – |
| Recording okay | ⊗ | ⊗ | ⊗ | ⊗ | ☐ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ☐ |
| Polarization setup okay | ⊗ | ⊗ | ⊗ | ⊗ | ☐ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ☐ |
| Strong signal amplitude | ⊗ | ⊗ | ⊗ | ⊗ | ☐ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ☐ |
| Sampler statistics okay | ⊗ | ⊗ | ⊗ | ⊗ | ☐ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ☐ |
| Please check BBC number(s): | 01 | 01 | | | | | | | | | |
| Previous reported problem(s) corrected | | | | | | | | | | | |
| Problem(s) first reported | | | | | | | ■ | | | | ■ |
| See enclosed footnote(s): | a | b | c | d | | | e | | | | f |

Enclosure: Footnotes M-band 5cm F23M1

Footnotes to the Network Monitoring Report: **M-band 5cm F23M1**

General:

- a) **Jb2, Jodrell Bank Mark 2** Strong noise spike in the middle of BBC01/09 (USB) RCP/LCP. No Tsys information as CAL diode failed, making the TPI measurements meaningless.
- b) **Wb1, Westerbork** Strong noise spike in BBC01/09 (USB) RCP/LCP.
- c) **Ef, Effelsberg:** Observed linear polarizations, which were left uncorrected for this report.
- d) **Nt, Noto:** Could not observe, due to maintenance work.
- e) **Ur, Urumqi:** First time sending data in M-band. Observed with an LO offset of 167.8 Hz offset relative to the nominal LO of 5902 MHz in the vex file setup. Also, no feedback, log or Tsys information submitted.
- f) **Ib, Irbene 16m:** Did not take part in the observation and gave no notice about it. No feedback.