

# Network Monitoring Report: M-band 4cm 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 4cm F23M1

# Footnotes to the Network Monitoring Report: **M-band 4cm 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.