

# Network Monitoring Report: X-band N22X1

**Source:** 3C345, J2031+1219 and J2035+1056    **Length:** 180 min.    **Observing mode:** Mk V, mode 2048-16-2 & 4096-32-2, dual pol.  
**Reference antenna:** Effelsberg    **Date of observations:** 05/11/22    **Reference date:** 05/11/22; 309d 12h 00m  
**Experiment code:** N22X1    **Date of report:** 11/01/23    **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

	Wb	Ef	Mc	Nt	O6	T6	Ur	Tr	Ys	Hh	Ir	Kim
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	0.08	0.03	0.05	0.12	-0.61	0.80	-0.39	0	1.4	0.036		
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

**Enclosure:** Footnotes X-band N22X1

# Footnotes to the Network Monitoring Report: X-band N22X1

---

## General:

The stations *Effelsberg* (Ef), *Tianna* (T6), *Toruń* (Tr), and *Yebe* (Ys) had an issue when loading the setup from the pre-files. While the DBBC2 was set up for 2-Gbps mode, the recorder was to 4-Gbps one. Unclear origin of the issue as no problems were reported in the past on multi (2/4-Gbps) setup schedules.

- a) **Wb, Westerborg:** Data show slight drops in amplitude and phase along the time.
- b) **Nt, Noto:** RCP signal was recorded to both RCP and LCP channels due to missing station setup procedure. Fixed after scan 32.
- c) **Tr, Toruń:** Faulty receiver.
- d) **Ys, Yebe:** Communication issues with the flex buff. Solved for scan 3.
- e) **Ir, Irbene:** Broken maser.
- f) **Km, Kunming:** Az-bearing issues.

---

Questions? [marcote@jive.eu](mailto:marcote@jive.eu)

Report ends