

# Network Monitoring Report: C-band N24C2

**Source:** J0905+2052 and J0854+2006    **Length:** 180 min.    **Observing mode:** Mk V, mode 4096-16-2, dual pol.  
**Reference antenna:** Effelsberg    **Date of observations:** 31/05/24    **Reference date:** 31/05/24; 152d 12h 00m  
**Experiment code:** N24C2    **Date of report:** 06/12/24    **by:** Benito Marcote

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

	Jb2	Wb	Ef	Mc	O8	Tr	Ys	Hh	Ir	Sr
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	0.069	0.116	0.31	-0.047	-0.65	0.065	1.35	0.79	0.176	0.034
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		

**Enclosure:** Footnotes C-band N24C2

# Footnotes to the Network Monitoring Report: **C-band** N24C2

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## **General:**

No general comments.

**a) O8, Onsala:** Low voltage and current in the RCP LNA causing low amplitude signal and high Tsys. Stopped at 13:00 UT for trouble shooting. No time to fix the LNA problem during the NME.

**b) Tr, Torun:** The phase instabilities reported in previous sessions is fixed for this session.

**c) Ys, Yebes:** Issues with the gain of the CX receiver (only 1 dB Y-factor between sky and ambient load). Stable fringes but weaker than usual. In the correlated data we also observed a much higher leakage than usual between polarizations, probably related to these issues.

**d) Sr, Sardinia:** No fringes until 14:45 UT for no clear reasons. Fringes appeared after restarting and performing a pointing test.

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

Report ends