

Network Monitoring Report: L-band 18cm N24L2

Source: J0442-0017, J0854+2006 **Length:** 180 min. **Observing mode:** 1024 Mbps, 8x32 MHz, 2 bits, dual pol.
Reference antenna: Effelsberg **Date of observations:** 23/05/24 **Reference date:** 144d 12h 00m
Experiment code: N24L2 **Date of report:** 23/06/25 **by:** Gabor Orosz

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

	Jb1	Wb	Ef	Mc	Nt	O8	Tr	Hh	Ir	Cm	Da	Kn	Pi	De
Station has observed	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Station produced fringes (ftp)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Station produced fringes (disk)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Logs are available (within 72 h)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	○	○	○	○
Antabs on vlbeer (within 7 days)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	○	○	○	○
Feedback on www (within 7 days)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	■	■	■	■	■
GPS clock estimate gives fringes	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Clock rate in psec/sec	0.06	0.12	0.27	-0.05	-0.01	-0.66	0.07	-0.39	0.19	0.06	0.06	0.06	0.06	0.06
Recording okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗
Sampler statistics okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	■	■	■	■	■
Please check BBC number(s):														
Previous problem(s) corrected														
Problem(s) first reported														
See enclosed footnote(s):	a								b	c	c/d	c	c/e	c/d

Enclosure: Footnotes L-band 18cm N24L2

Footnotes to the Network Monitoring Report: **L-band 18cm** N24L2

General:

1) L-band observations were affected by widespread RFI across the network, as is typical for this frequency range. Not listed per station.

a) Jb1, Jodrell Bank Lovell: Antabfs file contained many extended ASCII characters that caused processing errors. Issue resolved after file cleanup.

b) Ir, Irbene 32m: Irbene fringe amplitudes were significantly below expectations, measuring approximately 25% of the predicted strength based on SEFD value (700 Jy). Cross-correlation amplitudes of Irbene baselines were substantially weaker than comparable baselines with Medicina and Noto.

c) Cm/Da/Kn/Pi/De, eMERLIN stations: Sampler levels were off (0-50-50-0), resulting in single-bit recording. No feedback and reason unknown. Despite this, strong fringes were obtained from all eMERLIN stations. Sampler levels were fine in prior and later L-band NMEs.

d) Da/De, Darnhall/Defford: N23L1 and N23L2 reported problems with RCP fringes. Fixed here.

e) Pi, Pickmere: During N23L3, only RCP data was getting recorded. Data recording fixed here.