

Network Monitoring Report: L-band N20L3

Source: J1751+0939, J1642+3948 and J1848+3219

Length: 180 min.

Observing mode: Mk V, mode (1) 1024-16-16, dual pol; (2) 1024-8-32, dual pol.

Reference antenna: Effelsberg

Date of observations: 31/10/2020

Reference date: 31/10/2020; 305d 11h 00m

Experiment code: N20L3

Date of report: 27/11/2020

by: Dhanya G. Nair

⊗ According to expectation, no special remarks

⊞ Station did not observe (not scheduled)

■ Problem occurred - see enclosed footnote(s)

○ Entry not applicable/investigated

	Jb	Wb	Ef	Mc	Nt	O8	T6	Ur	Tr	Hh	Sv	Zc	Bd	Ir	Sr	e-MERLIN
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	0.22	0.17	0.21	0.04	-0.15	-0.52	0.83	-0.32	0	0.06	0.80	-0.02	0.60	0.10	0.11	0.22
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	c	d	e						a

Enclosure: Footnotes L-band N20L3

Footnotes to the Network Monitoring Report: **L-band** N20L3

General:

- a) **Jb (JODRELL BANK) & e-MERLIN (Cm, Da, Pi, Kn, De)** : Parked due to high winds, hence no useful FTP data.
- b) **Nt, NOTO** : Did not participate due to a technical problem with the azimuth engines. The problem affected the whole L-band session.
- c) **T6 & Ur (TIANMA65 and URUMQI)**: Did not participate due to their national task.
- d) **Tr (TORUN)**: Receiver fault, hence no use able data. The receiver was at ~ 160 K during observations, also one polarization had unstable amplifiers.
- e) **Hh (HART)**: A leakage in the middle of the band found, which was also reported in previous L-band NMEs. According to the station, it has not been possible to take the receiver off the telescope under current working conditions.