

# Network Monitoring Report: C-band N21C1

**Source:** J0530+1331 and J0750+1231    **Length:** 180 min.    **Observing mode:** Mk V, mode 2048-16-32, dual pol  
**Reference antenna:** Effelsberg    **Date of observations:** 03/03/2021    **Reference date:** 03/03/2021; 62d 14h 00m  
**Experiment code:** N21C1    **Date of report:** 19/04/2021    **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

	Jb2	Wb	Ef	Mc	O8	T6	Ur	Tr	Hh	Sv	Zc	Bd	Ir	Km	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	-0.06	-0.16	0.20	-0.04	-0.53	0.82	-0.45	0	0.08	-0.29	-0.004	0.001	-0.27	-2.0	-0.06
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

**Enclosure:** Footnotes C-band N21C1

# Footnotes to the Network Monitoring Report: **C-band** N21C1

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**General:**

- a) **Jb2 (JODRELL BANK2)** : RCP channels look noisier due to wiggles in the bandpass. According to the station, the ripples are caused by a possible fault in the fibre to RF receiver in the RCP channel which has to be investigated. This occurs for Jb2 (MKII) only as Jb1 (Lovell) has a separate fibre receiver system.
- b) **Ef, EFFELSBURG** : Strong spikes at the edge of BBC channels 2 and 10 (LSB) which is also seen in N21L1. According to the station, the spikes might be due to a bad connection between DBBC and Fila10G or more complicated inside the DBBC.
- c) **Sv (SVETLOE)**: No data for scan 02 due to a technical problem with Mark5.
- d) **Km (KUNMING)**: Did not participate in the observations due to their national task.
- e) **e-MERLIN (Cm, Da, Pi, Kn, De)** : No data received for scans 02, 04, and 06 due to data delivery issues. Successfully transferred data for other scans and fringes are found.