

Network Monitoring Report: C-band N23C3

Source: J1751+0939 and J2031+1219 **Length:** 180 min. **Observing mode:** 4096 Mbps, 32 MHz, 2-bit, dual pol.
Reference antenna: Effelsberg **Date of observations:** 01/11/23 **Reference date:** 01/11/23; 305d 12h 00m
Experiment code: N23C3 **Date of report:** 14/12/23 **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

	Jb1	Wb	Ef	Mc	O8	T6	Ur	Tr	Ys	Hh	Ib	Cm	Da	Kn	Pi	De	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	0.094	0.11	0.21	0.025	-0.64	0.79	-2.1	2.1	—	0.024	0.65	-0.67	0	0.094	0.094	0.094	0.17
Recording okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊞	■	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊞	⊞	⊞	⊞	○	⊗	■	⊗	■
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊞	⊞	⊞	⊞	■	⊗	⊗	⊗	⊗
Sampler statistics okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊞	⊞	⊞	⊞	⊗	⊗	⊗	⊗	⊗
Please check BBC number(s):							05					01					
Previous reported problem(s) corrected															⊗		
Problem(s) first reported												⊗			I		j
See enclosed footnote(s):	a			b			c	d	e	f		g	h		I		j

Enclosure: Footnotes C-band N23C3

Footnotes to the Network Monitoring Report: C-band N23C3

General: Several stations have missing feedback.

- a) **Jb1, Jodrell Bank (Lovell):** Stowed between 13:15–14:00 UT due to strong winds.
- b) **Mc, Medicina:** Recorded data with the DBBC3 in parallel. To be correlated in a later time at JIVE.
- c) **Ur, Urumqi:** Observed with a LO offset of 181.100 Hz with respect to the .vex file setup.
- d) **Tr, Toruń:** Strong spike at the edge of BBC05 (USB) RCP. The previously reported issues with periodic phase instabilities is now fixed.
- e) **Ys, Yebe:** Could not participate in the entire session due to on-going working on the wobblers communication.
- f) **Hh, Hartebeesthoek:** The new Flexbuf dropped a significant number of packages during the observation.
- g) **Cm, Cambridge:** RCP signal (BBC01) exhibits a lower and much more unstable amplitudes compared to the other BBC. Phases remain fine though. See dedicated standard plots in the EVN Archive.
- h) **Da, Darnhall:** No signal. Engineers were working on site.
- i) **Pi, Pickmere:** No LCP signal.
- j) **Sr, Sardinia:** Is back online. Fila10G issues: the signal in all LSB-RCP channels went to the same sampler state. After reloading the firmware (for scan10), the same issue was observed but now in all LSB-LCPs.

Questions? marcote@jive.eu

Report ends