

Network Monitoring Report: X-band N25X1

Source: J0528+1317, J0319+4111
Reference antenna: Effelsberg
Experiment code: N25X1

Observing mode: Mk V, mode 2048-4-2, dual pol.
Reference date: 03/03/25; 62d 12h 00m
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

	Wb	Ef	Nt	O6	T6	Ur	Tr	Ys	Hh	Km	Wz
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	0.129	0.423		-0.69	0.75	-0.029	0.414	1.34	-0.0188	-0.377	0
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	f	g				

Enclosure: Footnotes X-band N25X1

Footnotes to the Network Monitoring Report: X-band N25X1

General:

- a) **Ef, Effelsberg:** Pointing errors. Observed a significant amplitude difference between RCP and LCP.
- b) **Nt, Noto:** Could not observe due to a fault in the elevation servo system.
- c) **O6, Onsala:** No fringes after scan 4 as the input IF signal was accidentally switched to C band.
- d) **T6, Tianma:** Amplitude problems between pols and BBCs (circular rx). Much weaker fringes than expected and triangular/sinusoidal bandpass response. Much slower data transfer than usual (not the first time during this session).
- e) **Ur, Urumqi:** Provided ANTAB file did not contain Tsys values (all commented out). Much slower data transfer than usual (not the first time during this session).
- f) **Tr, Torun:** The issue with the phase instabilities seem to be back (visually similar but potentially from a different origin). The rates change significantly within a few of minutes, before get stable again. And the pattern repeats every a few tens of minutes. Issue being investigated offline.
- g) **Wz, Wettzel:** Only RCP fringes are visible.

Questions? marcote@jive.eu

Report ends