

Network Monitoring Report: C-band N12C2

Source: 4C39.25, J1043+2408 **Length:** 180 min. **Observing mode:** Mk IV, mode 512-16-2, dual pol.
Reference antenna: Effelsberg **Date of observations:** 31/05/12 **Reference date:** 31/05/12; 152d 12h 00m
Experiment code: N12C2 **Date of report:** 27/07/12 **by:** Yurii Pidopryhora

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

	Bd	Ef	Hh	Hd	Hx	Ir	Jb	Mc	Nt	On	Od	Sh	Sv	Tr	Ur	Wb	Ys	Zc
Station has observed	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊠	⊗	⊗	⊗	⊗	⊗	⊗
Station produced fringes (ftp)	⊗	⊗	⊗	⊗	⊗	■	■	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
Station produced fringes (disk)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
Filled in TRACK	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
Logs are avail. (w/in 72 hrs)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
GPS data avail. (w/in 7 days)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Disks are avail. (w/in 7 days)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
Feedback on www (w/in 7 days)	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○
GPS clock estimate gives fringes	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
Clock offset in μ sec	217	-5.9	1.2	1.2	1.2	-0.84	-0.096	-95	-2.7	-4.2	-4.2		217		-0.10	76	-0.55	217
Clock rate in psec/sec	0	-0.41	0.042	0.042	0.042	0.042	0.057	0.057	-0.20	0.59	0.59		0		-0.086	0.19	1.5	0
Recording okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
Phase cal aligns phases	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
Sampler statistics okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
Please check VC number(s):	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
Prev. rep. problem(s) corrected	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
Problem(s) first reported	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗
See enclosed footnote(s):			a	a	a	b	c											d

Enclosure: Footnotes C-band N12C2

Footnotes to the Network Monitoring Report: C-band N12C2

General: Hd and Hx are Hh with two different DBBCs. Od is On with DBBC.

- a) **Hd and Hx, Hartebeesthoek with DBBCs:** Abnormally high phase-slopes in frequency compared to Hh.
- b) **Ir, Irbene:** Participated only in the ftp-tests. No clear fringes. After the “formatter offset” of -1s (determined in fr012a/b experiments) was applied, some hints of very weak fringes were seen for the brightest source, possibly indicating a receiver sensitivity issue.
- c) **Jb, Jodrell Bank:** Mk5 connection problem for most of the experiment. Only in the last 10 minutes this problem was resolved, too late for the ftp-tests. Disk data show fringes, but with abnormally low S/N.
- d) **Ys, Yebes:** The LO ref frequency of the receiver was off for ~2 hrs. Good results after this problem was fixed. .

Questions? pidopryhora@jive.nl

Report ends