

# Network Monitoring Report: C-band N12C1

**Source:** 0528+134, J0522+1415    **Length:** 180 min.    **Observing mode:** Mk IV, mode 512-16-2, dual pol.  
**Reference antenna:** Effelsberg    **Date of observations:** 08/03/12    **Reference date:** 08/03/12; 068d 13h 00m  
**Experiment code:** N12C1    **Date of report:** 11/07/12    **by:** Yuri 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	Jb	Mc	On	Od	Sh	Sd	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 $\mu$ sec	217	-4.7	7.3	7.3	7.3	-0.8	-99	-8.5	-8.5	53	101	217	10.1	0.4	74.4	7.1	217
Clock rate in psec/sec	0	-0.46	-0.016	-0.032	-0.032	-0.05	1.05	0.56	0.56	0.56	0.54	0	-0.8	-0.08	0.18	0.6	0
Recording okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Phase cal aligns phases	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Sampler statistics okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Please check VC number(s):														8			
Prev. rep. problem(s) corrected	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Problem(s) first reported																	
See enclosed footnote(s):			a	a	a	b	b	c	c	c	d	d	e	e	f	f	f

**Enclosure:** Footnotes C-band N12C1

# Footnotes to the Network Monitoring Report: C-band N12C1

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**General:** This report also makes use of results from F12C1 experiment (07/03/12, 60 min, source: 0234+285). Hd and Hx are Hh with two different DBBCs. Od is On with DBBC. Sd is Sh with CDAS.

- a) **Hd and Hx, Hartebeesthoek with DBBCs:** DBBCs participated only in F12C1. The clock values in the table are from this experiment.
- b) **Jb, Jodrell Bank:** Receiver problems in the beginning of F12C1 (failed bias supply), but fixed by the middle of the experiment. No problems in N12C1.
- c) **On and Od, Onsala:** In F12C1 down due to a strong wind.
- d) **Sd, Shanghai:** CDAS data recorded only in F12C1. The clock values in the table are from this experiment.
- e) **Ur, Urumqi:** In F12C1 no fringe for BBC 8 LSB similar to N/F12L1. But by N12C1 the problem was fixed.
- f) **Wb, Westerbork:** In F12C1 had a serious backend problem. A real time system and a control board of ADC unit 6 were broken. Only the last few minutes of this project were recorded. In N12C1 during the whole project had a mark5B formatter sync error. This resulted in a large clock offset (139 microsec), but otherwise the data were good.

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Report ends