

Network Monitoring Report: C-band N11C1

Source: J0409+1217, J0401+2110, J0428+1732, 0234+285, 0528+134, 3C48 **Length:** 180 min. **Observing mode:** Mk IV, mode 512-16-2, dual pol.
Reference antenna: Effelsberg **Date of observations:** 11/03/11 **Reference date:** 11/03/11; 066d 12h 00m
Experiment code: N11C1 **Date of report:** 18/04/11 **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	Jb	Kn	Mc	On	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	-1.5	6.547	7.313	-0.588	307.472	-57.974	-22.761	71.384	-2.3	1.069	1.124	68.405	-1.023	-2.8
Clock rate in psec/sec	0	-0.752	-0.0567	-0.0284	-0.0284	0.448	0.381	0.781	0	1.25	-0.00695	0.189	0.175	0
Recording okay	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Polarization setup okay	⊗	⊗	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Phase cal aligns phases	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Sampler statistics okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗
Please check VC number(s):									5					
Prev. rep. problem(s) corrected	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Problem(s) first reported														
See enclosed footnote(s):	a	b	c	d	e	f								

Enclosure: Footnotes C-band N11C1

Footnotes to the Network Monitoring Report: C-band N11C1

- a) **Ef, Effelsberg:** Ef OK. In addition to the normal MkIV, first time in the EVN history Ef also included test dBBC output labeled as "Ed" station. There were good fringes to it as well, however with lower S/N (sometimes as low as 50% of MkIV) and anomalous sampler statistics (equal proportions of high and low bits).
- b) **Hh, Hartebeesthoek:** In the beginning of the experiment the recorder failed to start, they had to reboot Mk5 and start manually. No problems with either ftp or disk data found.
- c) **Jb, Jodrell Bank:** Jb1 (Lovell) OK. Jb2 (Mark 2) was not scheduled, but it did participate in the ftp test. Data from 2 BBCs of Jb2 were put on the unused channels of VLBA rack together with Kn. No fringes for the first ftp sample, but good fringes for the other two.
- d) **Kn, Knockin:** Swapped pols.
- e) **Sv, Svetloe:** Sampler statistics for BBC 5 USB (Rcp of sb1) is about 60%, far from the optimal 36.4%. Also due to the limitations of this station no fringes were detected above 5 GHz (BBCs 8 and 13).
- e) **Zc, Zelenchukskaya:** Similar to previous sessions, there were RFI problems for sb2 corresponding to BBCs 2 (Rcp) and 10 (Lcp), resulting in no fringes for Lcp and extremely weakened fringes for Rcp of this subband.

Questions? pidopryhora@jive.nl

Report ends