

Network Monitoring Report: C-band N11C3

Source: 3C345, J1800+3848, NRAO512 **Length:** 180 min. **Observing mode:** Mk IV, mode 512-16-2, dual pol.
Reference antenna: Effelsberg **Date of observations:** 20/10/11 **Reference date:** 20/10/11; 293d 12h 00m
Experiment code: N11C3 **Date of report:** 13/1/12 **by:** Mehreen Mahmud

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

	EVN stations												
	Ur	Sh	Ys	Ef	Jb	Mc	On	Tr	Wb	Zc	Bd	Sv	Hh
Station has observed	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Station produced fringes (ftp)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Station produced fringes (disk)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Filled in TRACK	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Logs are available (within 72 hours)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
GPS data available (within 7 days)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Disks are available (within 7 days)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Feedback on www (within 7 days)	⊗	⊗	⊗	⊗	■	⊗	⊗	⊗	⊗	■	■	■	⊗
GPS clock estimate gives fringes	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Clock offset in μ sec	0.904	92.272	0.795	-22.48	-0.422	-96.62	-15.086	13.513	72.136	-2.6	-2.13	-2.21	7.094
Clock rate in psec/sec	0.0246	0.779	0.423	-2.26	-0.00265	1.210	0.308	0.0605	0.183	0	0	0	-0.0018
Recording okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Strong signal amplitude	■	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	■	⊗	■	⊗
Phase cal aligns phases													
Sampler statistics okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Please check VC number(s):	⊗	⊗	⊗	⊗	⊗	⊗	⊗	6	⊗	2,10,12	⊗	8,13	⊗
Previous reported problem(s) corrected													
Problem(s) first reported													
See enclosed footnote(s):	a					b	c	d		e		f	

Enclosure: Footnotes C-band N11C3

Footnotes to the Network Monitoring Report: **C-band** N11C3

General:

Fringes to all stations. This experiment was correlated with the sfxc software correlator.

a) **Ur, Urumqi:** Low RR cross correlation amplitudes in Subband 0 and 1.

b) **Mc, Medicina:** BBC 7 swapped polarization with BBC 8.

c) **On, Onsala:** Only observed for the first hour (due to high winds).

d) **Tr, Torun:** No fringes in BBC 6 (Subband 4 & 5 LCP). This is an ongoing issue.

e) **Zc, Zelenchuskaya:** Fringes only between 12:50 - 13:20 UT and 14:25 - 15:00 UT. (Zc had clock errors at the start of the experiment, station staff also reported antenna tracking problems during the observation). No LL fringes in subband 6 and 7 (BBC12)

f) **Sv, Svetloe:** No fringes in Subbands 6 and 7/BBC 08 and 13 (as expected). Low RR cross correlation amplitudes in Subband 1.