

Network Monitoring Report: 5cm C-band N10M3

Source: 3C345, NRAO512, OQ208 **Length:** 180 min. **Observing mode:** Mk IV, mode 512-16-2, dual pol.
Reference antenna: Effelsberg **Date of observations:** 21/10/10 **Reference date:** 21/10/10; 294d 12h 00m
Experiment code: N10M3 **Date of report:** 01/02/11 **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

	Cm	Ef	Jb	Mc	On	Tr	Wb	Ys
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	951.2	-4.565	0.252	-67.231	-28.055	8.078	66.17	-0.72
Clock rate in psec/sec	-0.0146	0.958	-0.0146	1.38	0.302	-0.481	0.193	0.00833
Recording okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Polarization setup okay	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Phase cal aligns phases	○	○	○	○	○	○	○	○
Sampler statistics okay	⊗	⊗	⊗	⊗	⊗	■	⊗	⊗
Please check VC number(s):				2		7,8		7
Prev. rep. problem(s) corrected	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Problem(s) first reported								
See enclosed footnote(s):	a		b	c		d		e

Enclosure: Footnotes 5cm C-band N10M3

Footnotes to the Network Monitoring Report: 5cm C-band N10M3

General: Phase cal was off for this experiment.

- a) **Cm, Cambridge:** Fringes are detected only in Lcp for only a fraction of the experiment (during the first hour and then the last 10 min).
- b) **Jb, Jodrell Bank:** Very strong polarization leakage: cross-hand correlation amplitude is about the same as parallel.
- c) **Mc, Medicina:** BBC 2 (Rcp of sb 0 and 1) is locked, no fringe for it.
- d) **Tr, Torun:** In sb7 Rcp (BBC 7 USB) sampler statistic is about 20%, while in Lcp (BBC 8 USB) it is about 50%, both far from the optimal 36.4%.
- e) **Ys, Yebees:** Maxed out attenuation for BBC 7 LSB (Rcp of sb6), possibly due to a strong RFI, very weak fringe for it.

Questions? pidopryhora@jive.nl

Report ends