

Network Monitoring Report: **M-band** N10M1

Source: 3C84, DA193, J0612+4122, 4C39.25 **Length:** 240 min. **Observing mode:** Mk IV, mode 512-16-2, dual pol.
Reference antenna: Effelsberg **Date of observations:** 10/03/10 **Reference date:** 10/03/10; 69d 12h 00m
Experiment code: N10M1 **Date of report:** 31/05/10 **by:** Stefanie Muehle

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

	Cm	Ef	Jb	Mc	Nt	On	Sh	Tr	Ur	Wb	Ar	Hh	Mh	Ys	Wz	Ro
Station has observed	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗				⊗		
Station produced fringes (ftp)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗				⊗		
Station produced fringes (disk)	■	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗				⊗		
Filled in TRACK	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗				⊗		
Logs are available	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗				⊗		
GPS data available	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗				⊗		
Disks are available	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗				⊗		
Feedback on www (within 7 days)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗				⊗		
GPS clock estimate gives fringes	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗				⊗		
Clock offset in μ sec		(-20.86)	0.164	-98.806	-6.992	-32.317	46.633	6.058		62.43				-1.723		
Clock rate in psec/sec		(0.633)	-0.037	-6.08	-8.91	-0.100	0.776	0.621		0.186				-0.60		
Recording okay	■	⊗	⊗	⊗	⊗	⊗	⊗	⊗		■				⊗		
Polarization setup okay		⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗				⊗		
Strong signal amplitude		⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗				⊗		
Phase cal aligns phases		⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗				⊗		
Sampler statistics okay		⊗	■	■	■	⊗	⊗	■		⊗				⊗		
Please check VC number(s):			3,7	1,2!,5-8	6,8			6		7						
Previous reported problem(s) corrected																
Problem(s) first reported																
See enclosed footnote(s):	a		b	c	d			e		f						

Enclosure: Footnotes M-band N10M1

Footnotes to the Network Monitoring Report: **M-band** N10M1

General:

- a) **Cm, Cambridge:** Kn recorded in BBC01+BBC02; disk 4 of NTO-0028 uncoverably broken (clicker), causing the whole disk pack to fail
- b) **Jb, Jodrell Bank:** low fraction of high bits in BBC03 (subbands 2+3/LCP) and BBC07 (subbands 6+7/LCP), fixed at ~15:13 UT (during NME)
- c) **Mc, Medicina:** phases chaotic and amplitudes almost zero in BBC02; fraction of high bits decreasing in BBC01, BBC02, BBC05-08 (subbands 0+1 and 4-7) from the start of the experiment, resulting in low fraction of high bits, especially in BBC02 and BBC08
- d) **Nt, Noto:** noisy phases, fast rotation with time in all subbands; fraction of high bits low in BBC08 (subband 6+7/LCP) from 13:07 UT; almost no high bits and low amplitude in BBC06/USB (subband 5/LCP), possibly due to RFI?
- e) **Tr, Torun:** fraction of high bits at times variable in BBC06 (subband 4+5/LCP), e.g. from ~14:45 until ~15:30 UT, combined with low amplitudes and RFI(?) spikes in autocorrelation spectrum
- f) **Wb, Westerbork:** subband 7 out until 13:23 UT because TAAM board not properly initialized; ok after backend was reset (12:56-13:23 UT); source down at 15:24-15:48 UT

For more details, please see the standardplots as well as the plots and comments of the pipeline results in the EVN archive (www.jive.nl/archive-info?experiment=N10M1_100310).