

Network Monitoring Report: **M-band** N11M1

Source: 0234+285, J0258+2900, 3C454.3, DA193, J2007+4029, W75A **Length:** 180 min.

Reference antenna: Westerbork

Experiment code: N11M1

Date of observations: 01/03/11

Date of report: 03/05/11

Observing mode: Mk IV, mode 512-8-2, dual pol.

Reference date: 01/03/11; 60d 12h 00m

by: Stefanie Muehle

⊗ 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	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	307.955	6.183	0.104	-58.097		-22.919	70.836	0.410		(68.306)		7.4907		-0.959		
Clock rate in psec/sec	0.027	1.010	0.027	0.472		0.383	0.699	1.015		(0.186)		-0.047		0.158		
Recording okay	⊗	⊗	⊗	⊗		⊗	⊗	⊗		⊗		⊗		⊗		
Polarization setup okay	■	⊗	⊗	⊗		⊗	⊗	⊗		⊗		⊗		⊗		
Strong signal amplitude	■	⊗	⊗	■		⊗	⊗	⊗		⊗		⊗		⊗		
Phase cal aligns phases	⊗	⊗	⊗	⊗		⊗	⊗	⊗		⊗		⊗		⊗		
Sampler statistics okay	⊗	⊗	⊗	⊗		⊗	⊗	⊗		⊗		⊗		⊗		
Please check VC number(s):				2												
Previous reported problem(s) corrected				■												
Problem(s) first reported				N10M1												
See enclosed footnote(s):	a	b	c	d			e	f				g				

Enclosure: Footnotes M-band N11M1

Footnotes to the Network Monitoring Report: **M-band** N11M1

General:

a) Cm, Cambridge: Cambridge was replaced by Knockin; signal transmitted by the microwave link in IF 4-6; no feedback on webpage; swapped polarizations were detected in ftp fringe test and corrected for during correlation of the disk-based data; very low S/N, because telescope was already set up for upcoming user experiments

b) Ef, Effelsberg: DBBC operated in parallel to MKIV; DBBC data (Mark5B) correlated on SFXC, but no fringes due to a mistake in the hardware setup

c) Jb, Jodrell Bank: Feedback came late (March 28); low fraction of high bits in VC06 and VC08 (IF 5-8/RCP) detected in first ftp test and fixed by 13:03 UT

d) Mc, Medicina: VC02 still has locking problems in the usual setup (seen since N10M1), therefore no data in IF 1+2/RCP

e) Sh, Shanghai: fraction of high bits at 140% of optimum value in VC03/LSB and at 70% in VC08/USB

f) Tr, Torun: automatic data extraction for ftp fringe tests failed, data extracted manually; as usual, fraction of high bits generally a bit low; slight drop in amplitude at 14:12-14:24 UT

g) Hh, Hartebeesthoek: reported gain instability in LCP channels seems to be restricted to VC01 in scan08

For more details, please see the standardplots as well as the plots and comments of the pipeline results in the EVN archive (<http://www.jive.nl/archive-info?experiment=N11M1.110301>).