

Network Monitoring Report: M-band # 06/II

Source: 1222+037, 3C273B **Length:** 270 min. **Observing mode:** Mk IV, mode 128-16-2, full pol.
Reference antenna: Effelsberg **Date of observations:** 09/06/06 **Reference date:** 09/06/06; 160d 18h 00m
Experiment code: N06M2 **Date of report:** 25/07/06 **by:** Lisa Harvey-Smith

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

	EVN stations														Affiliated		
	Da	Ef	Jb	Mc	Nt	On	Sh	Tr	Ur	Wb	Ar	Hh	Mh	Yb	Wz	Ro	Sm
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	51.799	7.708	-0.001	-36.542	-7.401	54.970		5.201		29.269		-1.524					
Clock rate in psec/sec	0.00449	0.00999	0.00499	0.477	-1.98	-1.30		-0.283		0.183		0.105					
Recording okay	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗		⊗					
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗		⊗					
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗		■		⊗		⊗					
Phase cal aligns phases	○	○	○	○	○	○		○		○		○					
Please check VC number(s):	7 & 8	○	○	○	○	3		○		○		○					
Previous reported problem(s) corrected	○	○	○	○	○	○		○		○		○					
Problem(s) first reported	○	○	○	○	○	○		○		○		○					
See enclosed footnote(s):	a					b		c		d							

Enclosure: Footnotes M-band # 06/II

Footnotes to the Network Monitoring Report: **M-band # 06/II**

General:

This NME observed in two modes- 6668 MHz methanol and 6035 MHz OH. The methanol mode showed strong fringes from all stations. The OH mode showed fringes from all stations, although the Noto fringes for the OH observation pass were very weak. Please see the pipeline output at <http://archive.jive.nl/scripts/arch.php?exp=N06M2> for more details. The following comments are listed station-by-station:

a) Da, Darnhall: Was used in place of the Cambridge antenna. There was a problem with VC07 and VC08 with all polarizations- see the autocorrelation and cross-correlation plots, which can be found on the JIVE data archive page <http://archive.jive.nl/scripts/portal.php>. Select the experiment name N06M2 and then click 'show experiment N06M2'. Select Standard Plots from the left-side navigation bar and then select the cross-correlation plots.

b) On, Onsala: The cross-correlation amplitude of the LL signal is very low in VC03 (both sidebands) throughout scan 2. See <http://archive.jive.nl/scripts/portal.php> for the cross-correlation plots.

c) Tr, Torun: Fringes visible only part of the time in the OH 6035 MHz observations (scans 66-84) due to an RF filter change (0/21:15 to 0/21:30) and a power supply failure (0/21:30 to 0/21:44).

d) Wb, Westerbork: The cross-correlation amplitude of RR IF1 and IF2 (VC02) is very low throughout scan 2.