

Network Monitoring Report: M-band N09M2

Source: 4C39.25, J0916+3854, 3C84, DA193, S231

Length: 300 min.

Observing mode: Mk IV, mode 256-8-2, single pol.

Reference antenna: Effelsberg

Date of observations: 28/05/09

Reference date: 28/05/09; 148d 11h 00m

Experiment code: N09M2

Date of report: 03/08/09

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	951.751	-29.883	0.934	-97.753	-6.443	-32.397		11.474		57.729				-1.582		
Clock rate in psec/sec	0.055	0.213	0.055	0.823	0.799	-0.109		-0.012		-0.421				0.067		
Recording okay	■	⊗	⊗	⊗	⊗	⊗		⊗		⊗				⊗		
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗				■		
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗				⊗		
Phase cal aligns phases	⊗	⊗	⊗	⊗	⊗	⊗		⊗		⊗				⊗		
Sampler statistics okay	⊗	⊗	■	■	■	⊗		⊗		⊗				⊗		
Please check VC number(s):			3	2	1											
Previous reported problem(s) corrected																
Problem(s) first reported																
See enclosed footnote(s):	a		b	c	d	e				f				g		

Enclosure: Footnotes M-band N09M2

Footnotes to the Network Monitoring Report: **M-band** N09M2

General:

- a) **Cm, Cambridge:** 11:00-15:14 UT bad disk; feedback late; signal in subbands 2+3
- b) **Jb, Jodrell Bank:** feedback late; fraction of high bits in BBC03/LSB decreases from 28% to 22% over the course of 4 hours (optimum value: 36.4%)
- c) **Mc, Medicina:** fraction of high bits in BBC02/USB decreases from 28% to 22% over the course of 4 hours (optimum value: 36.4%)
- d) **Nt, Noto:** logs late; fraction of high bits in BBC01 (very) low: 20% in LSB and only a few percent in USB (RCP); spike at the edge of bandpass of BBC01/USB, amplitude lower than in other channels
- e) **On, Onsala:** late start due to high wind
- f) **Wb, Westerbork:** clock jumps throughout the experiment
- g) **Ys, Yebes:** polarizations swapped in scan 1-13, corrected in the measurement set after correlation