

Network Monitoring Report: C-band N09C2

Source: J0916+3854, 4C39.25, OQ208 **Length:** 300 min. **Observing mode:** Mk IV, mode 256-8-2, dual pol.
Reference antenna: Effelsberg **Date of observations:** 11/06/09 **Reference date:** 11/06/09, 162d 12h 00m
Experiment code: N09C2 **Date of report:** 04/08/09 **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	Nt	On	Sh	Tr	Ur	Wb	Ar	Hh	Mh	Ys	Wz
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	951.778	-29.567	0.988	-96.744	-5.468	-32.558	29.366	11.372	2.050	57.993				-1.528	
Clock rate in psec/sec	0.091	0.122	0.091	0.799	0.671	-0.101	0.594	-0.090	0.071	0.182				-0.057	
Recording okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗				⊗	
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	■				⊗	
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗	⊗	■	⊗	⊗				⊗	
Phase cal aligns phases	○	○	○	○	○	○	○	○	○	○				○	
Sampler statistics okay	■	⊗	⊗	■	⊗	⊗	⊗	■	⊗	■				⊗	
Please check VC number(s):	2			2,4,6,8						6					
Previous reported problem(s) corrected	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗				⊗	
Problem(s) first reported															
See enclosed footnote(s):	a			b				c		d					

Enclosure: Footnotes C-band N09C2

Footnotes to the Network Monitoring Report: C-band N09C2

General: Knockin also participated the NME observations using the same Mk5A as Cambridge, but was not included into the correlation production run.

- a) **Cm, Cambridge:** Sampler statistic for BBC 2 is less than 20%, lower than optimal 36.4%.
- b) **Mc, Medicina:** Sampler statistic for all LCP BBCs (2,4,6, and 8) is too low (\approx 10-20%.)
- c) **Tr, Torun:** Although fringes were detected, due to a problem with the polarizer-feed system there were very high sensitivity losses, rendering the observations useless. Sampler statistics was bad for all BBCs, \approx 10-20% for LCP and \approx 20-30% for RCP.
- d) **Wb, Westerbork:** Upper sideband 4998.49 MHz had polarization swap, caused by a 180 degrees phase difference between X and Y in the dzb band 3. This was introduced by an error in the tuneup software (msdepha). Sampler statistic for BBC 6 is \approx 50%, higher than optimal 36.4%.

Questions? pidopryhora@jive.nl

Report ends