

Network Monitoring Report: L-band N09L3

Source: J1800+3848, J2007+777, 3C454.3, J2254+1341 **Length:** 300 min. **Observing mode:** Mk IV, mode 256-8-2, RCP&LCP.
Reference antenna: Effelsberg **Date of observations:** 05/11/09 **Reference date:** 05/11/09; 309d 12h 30m
Experiment code: N09L3 **Date of report:** 22/01/10 **by:** Jun Yang

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

	Da	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 (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	53.034	-25.581	1.524	-95.548	-10.217	-32.525	39.035	5.718	1.426	60.999						
Clock rate in psec/sec	0.022	0.373	0.022	-0.085	0.245	0.015	0.771	-0.920	-0.071	0.187						
Recording okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗						
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗						
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗						
Phase cal aligns phases	○	○	○	○	○	○	○	○	○	○						
Sampler statistics okay	■	⊗	■	⊗	■	⊗	⊗	■	⊗	⊗						
Please check VC number(s):			3		7				5							
Previous reported problem(s) corrected																
Problem(s) first reported																
See enclosed footnote(s):	a		b	c	d	e	f		g							

Enclosure: Footnotes L-band N09L3

Footnotes to the Network Monitoring Report: L-band N09L3

General: Cambridge was replaced by Darnhall. The BBCs with low cross correlation amplitude were also reported in N09C3. Please check these BBCs carefully before the up-coming session 1/2010.

- a) **Da, Darnhall:** No fringes.
- b) **Jb, Jodrell Bank:** The Lovell Telescope was used. All the BBCs did not reached the optimal sampler distribution. The fraction of high bits was distributed in the range of 10 – 30 %, much lower the optimal value 36.4 %. BBC 3 had low (0.8x) correlation amplitude.
- c) **Mc, Medicina:** Lost four scans due to a problem of antenna control from 15h10m – 15h26m UT.
- d) **Nt, Noto:** Non-optimal sampler distribution was found in BBC 2 (27 %) and BBC 7 (2 %). BBC 7 also had much low cross-correlation amplitude and a strong DC component in the auto-correlation spectrum.
- e) **On, Onsala:** Tracking problem was reported between 13h05m – 13h37m UTC.
- f) **Sh, Shanghai:** The problem of LO was found at the beginning of the experiment and solved after 13h10m UTC.
- g) **Tr, Torun:** Some data lost due to problems with the recorder wich required reset of MK5 at around 15h40m UTC.
- h) **Ur, Urumqi:** BBC 5 had low (0.6x) correlation amplitude. Urumqi could not participate in the ftp-fringe tests due to no available internet.

Questions? yang@jive.nl

Report ends