Network Monitoring Report: **L-band** # 04/IV

Source: DA193, 0851+202 **Length:** 5×22 min. **Observing mode:** Mk IV, mode 512-16-1, dual pol.
Reference antenna: Effelsberg **Date of observations:** 20/02/04 **Reference date:** 20/02/04; 51d 18h 00m
Experiment code: N04L1 **Date of report:** 08/03/04 **by:** Z. Paragi (updated on 30 March 2004)

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

	Cm	Ef	Jb	Mc	Nt	On	Sh	Tr	Ur	Wb	Ar	Hh	Mh	Yb	Wz	Ro	Sm
							EVN stations									Affiliated	
Station has observed	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗					
Station produced fringes	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗					
Logs are available (within 72 hours)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗					
GPS data available (within 7 days)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗					
Tapes are available (within 7 days)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗					
Feedback on www (within 7 days)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗					
GPS clock estimate gives fringes	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗					
Clock offset in μsec	942.50	53.20		−100.80	−1.72	6.79	88.00	2.16	4.98	1034.95		−1.44					
Clock rate in psec/sec	−0.29	−0.72		−0.57	−1.52	0.48	1.79	−0.13	−0.51	0.15		−0.98					
Tape footage okay	⊗	◯	◯	◯	◯	◯	⊗	⊗	⊗	◯		⊗					
Tape speed okay	⊗	◯	◯	◯	◯	◯	⊗	⊗	⊗	◯		⊗					
Forward passes okay	■	◯	◯	◯	◯	◯	⊗	⊗	■	◯		⊗					
Reverse passes okay	■	◯	◯	◯	◯	◯	⊗	⊗	■	◯		⊗					
Parity error $< 10^{-3}$	■	◯	◯	◯	◯	◯	⊗	⊗	■	◯		⊗					
Polarization setup okay	⊗	⊗	◯	⊗	⊗	⊗	⊗	⊗	⊗	■		⊗					
Strong signal amplitude	⊗	⊗	◯	⊗	⊗	⊗	⊗	⊗	⊗	⊗		⊗					
Phase cal aligns phases	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯		◯					
Please check VC number(s):				1,2,7,8			1,7,8	hs2	2,hs2	hs2		1,hs2					
All 5 scans correlated	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯		◯					
Clear from RFI	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯		◯					
Previous reported problem(s) corrected	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯		◯					
Problem(s) first reported																	
See enclosed footnote(s):	**a**		**b**	**c**			**d**	**e**	**f**	**g**		**h**					

Enclosure: Footnotes L-band # 04/IV

Footnotes to the Network Monitoring Report: **L-band** # 04/IV

General: Place a general comment here

a) Cm, Cambridge: Track 15 remapped to 35 on headstack 1. Tracks 2 and 4 were dead on both headstacks.

b) Jb, Jodrell Bank: Disk recording failed. Headstack 2 cables were not connected. The user experiments during the L-band session were not affected (headstack 1 data for EA029 were restored at JIVE).

c) Mc, Medicina: Weak signal at both end of the observing band (VCs 1,2,7,8). This is due to IF band limitations.

d) Sh, Shanghai: Somewhat weaker signal from BBC1 lower sideband; data missing from BBC7 and BBC8.

e) Tr, Torun: Sometimes no fringes on headstack 2. This was partly a playback problem.

f) Ur, Urumqi: Parity errors on headstack 2 are ~1e-3. Weak signal and sometimes no fringes from VC#2 lower sideband, and hs2 channels.

g) Wb, Westerbork: No fringes (or weak signal) from the upper sidebands of VCs 5–8 (2nd headstack VCs). Crosshand amplitudes were high in this experiment, indicating about 30% polarization leakage.

h) Hh, Hartebeesthoek: No Hh fringes from VC1 upper sideband; sometimes no fringes on headstack2.