Network Monitoring Report: **C-band** # 03/V

Source: DA193, 3C84 **Length:** 14×22 min. **Observing mode:** Mk IV, mode 256-8-2, dual pol.
Reference antenna: Effelsberg **Date of observations:** 29/10/03 **Reference date:** 29/10/03; 302d 23h 00m
Experiment code: N03C1 **Date of report:** 17/10/03 **by:** Z. Paragi

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

	EVN stations															Affiliated	
	Cm	Ef	Jb	Mc	Nt	On	Sh	Tr	Ur	Wb	Ar	Hh	Mh	Yb	Wz	Ro	Sm
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		32.386		−108.597	−11.833	0.789	82.466		4.951	1031.403		−8.673					
Clock rate in psec/sec		5.28		0.688	−0.588	0.326	1.660		−0.397	0.117		−0.814					
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):																	
All 14 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**					

Enclosure: Footnotes C-band # 03/V

Footnotes to the Network Monitoring Report: **C-band** # 03/V

General: Place a general comment here

a) Ef, Effelsberg: Observed on Mk5 only.

b) Jb, Jodrell Bank: The LO frequency was wrong which resulted in a shift of 218 kHz in the observing frequency. This alone should not be the reason for no fringes. Problem is being investigated.

c) Mc, Medicina: The patch panel was not properly configured. VC04 produced lower amplitude signal.

d) Nt, Noto: GPS-formatter data were corrupt. Signal amplitude varies strongly with VCs. This is not due to a variable a polarization leakage. The first two tracks were dead.

e) Tr, Torun: The tape recorder was broken.

g) Wb, Westerbork: Capstan motor electronics drive failed; observed only on Mk5.

g) Hh, Hartebeesthoek: Parity errors were a bit high, especially on the lower numbered tracks on the reverse passes

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Questions? paragi@jive.nl

Report ends