

# Network Monitoring Report: **K-band** N09K3

**Source:** J1751+09, 3C454.3, 3C84, W3H2O    **Length:** 360 min.    **Observing mode:** Mk IV, mode 256-4-2, dual pol.  
**Reference antenna:** Effelsberg    **Date of observations:** 26/10/09    **Reference date:** 26/10/09; 299d 14h 00m  
**Experiment code:** N09K3    **Date of report:** 19/01/10    **by:** Stefanie Muehle

- ⊗ According to expectation, no special remarks    ☐ Station did not observe (not scheduled)  
 ■ Problem occurred - see enclosed footnote(s)    ○ 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 $\mu$ sec	952.717	(-25.951)	1.946	-94.372	-10.502	-35.420							-1.686	-1.066		
Clock rate in psec/sec	0.008	(0.338)	0.008	-0.740	0.287	-0.003							-0.018	0.058		
Recording okay	■	⊗	■	⊗	⊗	⊗							⊗	⊗		
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	⊗							⊗	⊗		
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗							⊗	⊗		
Phase cal aligns phases	⊗	⊗	⊗	⊗	⊗	⊗							⊗	⊗		
Sampler statistics okay	⊗	⊗	■	⊗	■	⊗							■	⊗		
Please check VC number(s):			3		all								2			
Previous reported problem(s) corrected																
Problem(s) first reported																
See enclosed footnote(s):	<b>a,b</b>		<b>a,c</b>		<b>d</b>								<b>e</b>			

**Enclosure:** Footnotes K-band N09K3

# Footnotes to the Network Monitoring Report: **K-band** N09K3

---

## **General:**

**a) Cm and Jb, Cambridge and Jodrell Bank:** feedback uploaded rather late (18 Nov, i.e. 6 days after entire EVN session had ended)

**b) Cm, Cambridge:** only ~14MHz seem to have been recorded (CH05 and CH06 and parts of CH03 and CH04), probably due to problems with the microwave link; frequency points in CH03 and CH04 without valid data flagged manually in order to be able to calibrate these subbands in the pipeline

**c) Jb, Jodrell Bank:** one disk pack failed, one disk pack throttling, stable recording after 16:27 UT; fraction of high bits low in BBC03 LSB (~0.6-0.7 times the optimum value)

**d) Nt, Noto:** fraction of high bits stable until 17:40 UT, afterwards fraction variable with a tendency to decrease (all subbands)

**e) Mh, Metsähovi:** fraction of high bits low in BBC02 (~0.65 times the optimum value in LSB and ~0.7 times the optimum value in USB)

For more details, please see the standardplots and the corresponding remarks in n09k3.piletter as well as the plots and comments of the pipeline results in the EVN archive ([archive.jive.nl/scripts/arch.php?exp=N09K3](http://archive.jive.nl/scripts/arch.php?exp=N09K3)).