

Network Monitoring Report: **K-band** N10K1

Source: 3C273, 3C345, 3C454.3, 4C39.25, NRAO512

Length: 180 min.

Observing mode: Mk IV, mode 512-8-2, dual pol.

Reference antenna: Effelsberg

Date of observations: 29/10/10

Reference date: 29/10/10; 302d 12h 00m

Experiment code: N10K1

Date of report: 09/12/10

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 μ sec	951.246	(-3.899)	0.286	-66.276		-30.809							-1.991	-0.627		
Clock rate in psec/sec	-0.017	(0.966)	-0.017	1.19		0.296							0.006	0.025		
Recording okay	⊗	⊗	■	⊗		⊗							⊗	⊗		
Polarization setup okay	⊗	⊗	⊗	⊗		⊗							⊗	⊗		
Strong signal amplitude	⊗	⊗	⊗	⊗		⊗							⊗	⊗		
Phase cal aligns phases	⊗	⊗	⊗	⊗		⊗							⊗	⊗		
Sampler statistics okay	⊗	⊗	■	⊗		⊗							■	⊗		
Please check VC number(s):			2,4,6,8										1,2,7			
Previous reported problem(s) corrected			⊗													
Problem(s) first reported			n09k3													
See enclosed footnote(s):	a		b										c	d		

Enclosure: Footnotes K-band N10K1

Footnotes to the Network Monitoring Report: **K-band** N10K1

General:

a) Cm, Cambridge: signal transmitted by the microwave link: BBC01, BBC02 and the lower part of BBC03 and BBC04; significant RFI(?) spike in BBC03 at the edge of the transmitted signal; fraction of high bits generally on the low side; noisy amplitude from ~14:30 UT, possibly related to problem of Jb?

b) Jb, Jodrell Bank: BBC03 had no power, fixed by 13:14 UT; RFI in bandpass and wildly varying sampler stats in all RCP channels from ~14:30 UT, coincident with the change of disk packs; windstop from 14:28 UT

c) Mh, Metsähovi: BBC01 suspected to be broken, BBC02 did not lock at requested (low) frequency, BBC07 shows a curious kink in its bandpass; fraction of high bits low in BBC05 (~0.70 times the optimum value) and in BBC07 (~0.45 times the optimum value)

d) Ys, Yebes: incorrect tuning at the start, fixed by 12:53 UT

For more details, please see the standardplots as well as the plots and comments of the pipeline results in the EVN archive (http://www.jive.nl/archive-info?experiment=N10K1_101029).