

Network Monitoring Report: **K-band** N08K3

Source: 3C84, 4C39.25, 3C345, ORI KL **Length:** 480 min. **Observing mode:** Mk IV, mode 256-8-2, dual pol.
Reference antenna: Effelsberg **Date of observations:** 31/05/08 **Reference date:** 31/05/08; 152d 08h 30m
Experiment code: N08K3 **Date of report:** 24/10/08 **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 (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	948.954	-9.799	-1.845	-29.421		-25.745						7.866				
Clock rate in psec/sec	-0.172	-3.05	-0.172	2.410		-0.503						0.111				
Recording okay	⊗	⊗	⊗	⊗		⊗						⊗		⊗		
Polarization setup okay	⊗	⊗	⊗	⊗		⊗						○		○		
Strong signal amplitude	⊗	⊗	⊗	⊗		⊗						○		■		
Phase cal aligns phases	○	○	○	○		○						○		○		
Sampler statistics okay	■	⊗	■	■		⊗						⊗		⊗		
Please check VC number(s):	3		1-8	7												
Previous reported problem(s) corrected	○	○	○	○		○						○		○		
Problem(s) first reported																
See enclosed footnote(s):	a	b	c	d										e		

Enclosure: Footnotes K-band N08K3

Footnotes to the Network Monitoring Report: **K-band** N08K3

General: This is the first EVN network test at 24GHz; the tested frequency setups include the new VLBA continuum setup vlba.24ghz and two setups that cover the three lowest ammonia lines (nh3.low and nh3.high); low level RFI detected at most stations

a) **Cm, Cambridge:** signal in BBC01-BBC04 (subbands 0+1), sampler stats in BBC03 (subband 1/RCP) a bit high

b) **Ef, Effelsberg:** trouble with VLBA system, switched to MkIV, ok after ~10:50 UT

c) **Jb, Jodrell Bank:** ~0% high bits, was recorrelated as a 1-bit station, strong RFI in all BBCs

d) **Mc, Medicina:** sampler stats in BBC07 (subband 3/LCP) a bit low and variable with time (hours)

e) **Ys, Yebes:** Mark5B was not synchronized to VSI1PPS, no fringes found