

# Network Monitoring Report: **K-band** # 05/X

**Source:** 1253-055, 1611+343, 3C345, NRAO512    **Length:** 120 min.    **Observing mode:** Mk IV, mode 256-8-2, dual pol.  
**Reference antenna:** Effelsberg    **Date of observations:** 26/10/05    **Reference date:** 26/10/05; 299d 07h 30m  
**Experiment code:** N05K2    **Date of report:** 05/12/05    **by:** Zsolt Paragi

- ⊗ According to expectation, no special remarks    ☐ Station did not observe (not scheduled)  
 ■ Problem occurred - 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 (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 $\mu$ sec		-8.526		-47.872		44.499			3.248								
Clock rate in psec/sec		-1.55		-0.428		1.530			1.300								
Recording okay		⊗	■	⊗		⊗	⊗		⊗								
Polarization setup okay		⊗	⊗	⊗		⊗	○		⊗								
Strong signal amplitude		⊗	⊗	⊗		⊗	○		⊗								
Phase cal aligns phases		○	○	○		○	○		○								
Please check VC number(s):																	
Previous reported problem(s) corrected		○	○	○		○	○		○								
Problem(s) first reported																	
See enclosed footnote(s):			<b>a</b>	<b>b</b>	<b>c</b>		<b>d</b>		<b>e</b>				<b>f</b>				

**Enclosure:** Footnotes K-band # 05/X

# Footnotes to the Network Monitoring Report: **K-band** # 05/X

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**General:** Place a general comment here

a) **Jb, Jodrell Bank:** Started late, did not observe the ftp scans. The disk pack could not be played back at the MkIV correlator. It probably got corrupted after N05K2 and EM059A, during 1 Gbps recording of EP051 for Cm. The recording pointer was wrong. Tried to fix it with "recover=2"-just like for several other stations that had the same problem in the session. This was the only case when the disk could not be recovered. The disk pack will be sent to Conduant, who may be able to recover the data.

b) **Mc, Medicina:** Produced first ever ftp fringes in the K-band, after a long-standing bug was realised in the software correlator.

c) **Nt, Noto:** The azimuth engine was fixed, but due to a communication problem schedules could not be run. Did not participate in the session.

d) **Sh, Shanghai:** Had no ftp fringes. There were no fringes in the MkIV correlator either. Spectrum showed the phasecals, but the Cep A maser line was not there. May have observed at the wrong frequency, or there was a problem with the sensitivity. The recording was good.

e) **Ur, Urumqi:** Started late and thus missed the best fringe-finder – produced no ftp fringes. Fringes have been found at the MkIV correlator.

f) **Mh, Metsähovi:** The K-band receiver warmed up because there were power outages due to sudden snow/rain and heavy winds. Could not observe the NME, but took part in EM059A (with a still cooling receiver).