

Network Monitoring Report: **K-band** N09K2

Source: 4C39.25, J1642+68, 3C273B, W3OH, 2353+816

Length: 120 min.

Observing mode: Mk IV, mode 1024-16-2, single pol.

Reference antenna: Effelsberg

Date of observations: 04/03/09

Reference date: 04/03/09; 063d 20h 00m

Experiment code: N09K2

Date of report: 06/07/09

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		-31.010	0.288	-78.796		-34.108	26.140							6.901		
Clock rate in psec/sec		0.102	0.081	1.50		-0.188	0.761							0.10		
Recording okay		⊗	⊗	⊗	■	⊗	⊗						■	⊗		
Polarization setup okay		○	○	○	○	○	○						○	○		
Strong signal amplitude		⊗	⊗	⊗	■	⊗	⊗						■	⊗		
Phase cal aligns phases		⊗	■	⊗	■	⊗	⊗						■	⊗		
Sampler statistics okay		⊗	■	■	■	⊗	⊗						■	⊗		
Please check VC number(s):			6,7,8	3,5												
Previous reported problem(s) corrected																
Problem(s) first reported																
See enclosed footnote(s):		a	b	c	d	e							f			

Enclosure: Footnotes K-band N09K2

Footnotes to the Network Monitoring Report: **K-band** N09K2

General:

- a) **Ef, Effelsberg:** RFI at a very low level detected in subbands 2, 3, 6, 7 (BBC02, BBC04)
- b) **Jb, Jodrell Bank:** fraction of high bits a bit too high in BBC06/LSB (1.4 times the optimum value); fraction of high bits about zero in BBC06/USB, BBC07 and BBC08; low-level RFI in subbands 1, 3, 6, 10 (BBCs 01/USB, 02/USB, 04/LSB, 06/LSB), subbands 11 – 15 (BBCs 06/USB – BBC08) flagged due to low fraction of high-bits; spike in subband 10 (BBC06/LSB), also seen in baseline to Ef
- c) **Mc, Medicina:** fraction of high bits a bit too high in BBC03/LSB (1.4 times the optimum value) and in BBC05/USB (1.25 times the optimum value); RFI at very low level detected in subbands 2, 3, 5, 7, 9, 12, 13 (BBCs 02, 07, 03/USB, 04/USB, 05/USB)
- e) **Nt, Noto:** reported Mk5 problems, no disk, no log
- e) **On, Onsala:** low-level RFI in subbands 6, 7 (BBC04), at a very low level in subbands 14, 15, too (BBC08)
- f) **Mh, Metsähovi:** reported recording problems; perhaps due to slow disks