Network Monitoring Report: **K-band** N13K2

Source: 4C39.25, J0923+3849, J1310+3220   **Length:** 120 min.   **Observing mode:** Mk IV, mode 1024-8-16, dual pol.
Reference antenna: Effelsberg   **Date of observations:** 10/06/13   **Reference date:** 10/06/13; 161d 12h 00m
Experiment code: N13K2   **Date of report:**   05/08/13   **by:** Gabriele Surcis

⊗ According to expectation, no special remarks   ⬚ Station did not observe (not scheduled)
■ Problem occured - see enclosed footnote(s)   ○ Entry not applicable/investigated

	Ef	Jb	Mc	Nt	Tr	Ys	Mh	Zc	Bd	Ur	Sh	Hh	Ky	Ku	Kt	Od	Nd	Td	Hd
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 μsec	−16.397	−7.937	−4.322	−12.920	−3.639	−3.083	−2.194	214.924	213.291	4.694	131.642	−0.145	−6.740	−4.677	−3.450	85.532	−3.170	6.283	1.716
Clock rate in psec/sec	−0.243	−0.161	−0.158	−0.469	−0.056	0.104	−0.008	0.239	0.000	0.235	0.768	0.176	−0.691	−0.520	−0.275	0.622	−0.469	0.061	0.283
Recording okay	⊗	⊗	⊗	⊗	■	■	○	⊗	⊗	⊗	⊗	⊗	■	⊗	⊗	⊗	■	■	■
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Phase cal aligns phases	⊗	⊗	⊗	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Sampler statistics okay	⊗	■	⊗	⊗	■	⊗	■	⊗	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗	⊗	■	⊗
Please check VC number(s):		7			4,5		most of				all								all
Previous reported problem(s) corrected																			
Problem(s) first reported																			
See enclosed footnote(s):		a	b	c	d	e	f				g		h				i	j	k

Enclosure: Footnotes K-band N13K2

Footnotes to the Network Monitoring Report: **K-band** N13K2

General: Od is On with DBBC, Nd is Nt with DBBC, Td is Tr with DBBC, Hd is Hh with a DBBC.

a) **Jb, Jodrell Bank:** poor Sampler Statistics in BBC 7 (from ftp-fringe test report).

b) **Mc, Medicina:** the POLY numbers of the antabfs file (provided by the antenna) produce a gain curve for which sources with DEC> 25° have gain=0. If we keep these numbers during the pipeline all the data related to MC are deleted. If we consider POLY=1.0000E+00 the data are not deleted. The pipeline results after APCAL are obtained with this gain curve.

c) **Nt, Noto:** observed only LCP.

d) Tr, Torun: the first 40 minutes were observed with a wrong LO, consequently no fringes before 12:38 UT. Bad Sampler Statistics in BBCs 4 and 5 (from ftp-fringe test report).

e) Ys, Yebes: had a problem with calibration diode and LO frequency. The problem was solved during the observations. Fringes from 13:40 to the end.

f) Mh, Metsahovi: no fringes probably due to the format of the schedule for the DBBC (from Experiment Feedback). Bad Sampler Statistics in most of the DBBCs (from ftp-fringe test report).

g) Sh, Shanghai: poor Sampler Statistics in all the BBCs (from ftp-fringe test report).

h) Ky, KVN Yonsei: had a problem with Mark5B recording from scan 3 (12:12 UT) to scan scan 14 (12:35 UT). The problem was due to a time synchronization error (from Experiment Feedback).

i) Nd, Noto (DBBC): observed only LCP. Strange bandpasses in all the subbands.

j) Td, Torun (DBBC): strange bandpasses in all the subbands. Bad Sampler Statistics in all the DBBCs (from ftp-fringe test report).

k) Hd, Hartebeesthoek (DBBC): strange bandpasses in all the subbands. Stronger LCP fringes than RCP fringes (from ftp-fringe test report).