

Network Monitoring Report: X-band N13X3

Source: DA193 and 4C39.25 **Length:** 120 min. **Observing mode:** Mk IV, mode 512-8-2, RCP & LCP.
Reference antenna: Westerboork **Date of observations:** 09/06/13 **Reference date:** 09/06/13; 160d 09h 00m
Experiment code: N13X3 **Date of report:** 26/09/13 **by:** Jun Yang

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

	Bd	Ef	Zc	Mc	On	Hh	Sh	Sv	Ur	Wb	Nt	Nd	Ys
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	212.892	○	214.524	-4.213	85.394	131.480	○	4.652	81.573	-4.878	-3.083	-3.119	
Clock rate in psec/sec	○	○	○	-0.367	0.452	0.606	○	0.081	0.175	-0.432	-0.432	0.085	
Recording okay	⊗	○	⊗	⊗	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗
Polarization setup okay	⊗	○	⊗	⊗	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗
Strong signal amplitude	⊗	○	⊗	⊗	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗
Phase cal aligns phases	○	○	○	○	○	○	○	○	○	○	○	○	○
Sampler statistics okay	⊗	○	⊗	⊗	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗
Please check VC number(s):													
Previous reported problem(s) corrected													
Problem(s) first reported													
See enclosed footnote(s):													
	a				b		c		d	e		f	f

Enclosure: Footnotes X-band N13X3

Footnotes to the Network Monitoring Report: X-band N13X3

General:

- a) **Ef, Effelsberg:** NME time was used to fix the problem of the warmed-up receiver
- b) **On(Od), Onsala:** Only the DBBC backend was used. Fringes were quite good.
- c) **Sh, Shanghai:** The new S/X dual-polarisation receiver was used, while only RCP lightpath was available during the experiment (LCP had no IF cable).
- d) **Sv, Svetloe:** Disk packs were not delivered to the station on time due to problems with custom.
- e) **Ur, Urumqi:** Fringe were seen only in RCP till 09:40 UT. After that, station engineers started to check the whole system to get LCP fringes.
- f) **Nt/Nd, Noto:** Both analog and digital BBC backends were used and had good fringes in RCP. The correlation amplitude on the baselines to Nd was about a factor of 2 higher than that to Nt. Note that LCP hardware is not available at Noto.

Questions? yang@jive.nl

Report ends