

Network Monitoring Report: X-band N12X1

Source: 0528+134, J0559+2353, J0604+2429
Reference antenna: Effelsberg
Experiment code: N12X1

Length: 180 min.
Date of observations: 26/02/12
Date of report: 18/05/12
Observing mode: Mk IV, mode 512-16-2, RCP & LCP.
Reference date: 26/02/12; 057d 18h 30m
by: Jun Yang

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

	Bd	Ef	Zc	Mc	Sd	On	Sh	Sv	Ur	Wb	Od	Hh	Hd	Ys	Km	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	212.679	-4.297	212.228	-101.342	104.177	-12.041	98.480	212.881	-1.030	71.702	-12.040	5.401	7.282	4.552	42.163	
Clock rate in psec/sec	○	-4.28	○	0.882	0.560	0.582	0.567	○	-0.052	0.190	0.582	0.038	0.038	0.617	○	
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		

Enclosure: Footnotes X-band N12X1

Footnotes to the Network Monitoring Report: X-band N12X1

General: N12X1 was an experiment using 16 MHz filter and RCP only. There were 8 stations that used digital backends: DBBC (Ef, Od, Hd), CDAS (Sd, Km), R1002 (Sv, Bd, Zc). Good fringes were clearly seen to all these new backends.

- a) **Mc, Medicina:** No data during scan 3-42 as a bad disk module.
- b) **Ur, Urumqi:** No fringes in VC 2, 4, 6, 8 in the first 50 minutes as these VCs were patched to the S-band IF distributor. The problem was solved right away after the 1st fip fringe test.
- c) **Wb, Westerbork:** Signal were in the first 5 channels due to the hardware limit of TADUmax.
- d) **Od, Onsala DBBC backend:** Fringes were as good as On after clock searching in the post production correlations. No clock jumps found any more.

Questions? yang@jive.nl

Report ends