

Network Monitoring Report: SX-band N11SX1

Source: 3C454.3 and DA193 **Length:** 180 min. **Observing mode:** Mk IV, mode 512-16-2, RCP.
Reference antenna: Effelsberg **Date of observations:** 15/03/11 **Reference date:** 15/03/11; 074d 12h 00m
Experiment code: N11SX1 **Date of report:** 23/05/11 **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

	Ed	Ef	Zc	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 (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	7.196	5.112	-57.674		-26.7797							7.21148		-0.890		
Clock rate in psec/sec	-0.752	-0.752	0.317		0.262							0.027		0.223		
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																c
b																

Enclosure: Footnotes SX-band N11SX1

Footnotes to the Network Monitoring Report: SX-band N11SX1

General: The Kunning 40m radio telescope also successfull participated in the experiments with a standard Mark4 backend donated by the Westerbork observatory. Fringes to the backend were clearly detected. The poor sampling statistics was likely related to their VLBA4 formatter and VSI-C card.

- a) **Ed, Effelsberg DBBC backend:** Compared with N11C1, Ed showed much better samper statistics.
- a) **Ef, Effelsberg:** $T_{\text{sys}} \sim 300$ K at S band as it use a room-temperature receiver. There is a strong RFI spike at 2263 MHz.
- d) **Ys, Yebe:** Weak fringes in BBC LSB were caused by a strong RFI at 2250 MHz.

Questions? yang@jive.nl

Report ends