

Network Monitoring Report: SX-band N09SX1

Source: 1156+295, OQ208, 4C39.25 **Length:** 270 min. **Observing mode:** Mk IV, mode 256-8-2, RCP.
Reference antenna: Effelsberg **Date of observations:** 17/06/09 **Reference date:** 17/06/09; 168d 12h 00m
Experiment code: N09SX1 **Date of report:** 07/09/09 **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

	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 (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	-29.547			-96.338	-5.454	-35.382	29.672		1.741	55.979						
Clock rate in psec/sec	0.220			0.780	0.595	-0.097	0.078		-0.044	0.187						
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

Enclosure: Footnotes SX-band N09SX1

Footnotes to the Network Monitoring Report: SX-band N09SX1

General: Besides the above EVN telescopes, the Kunming 40m radio telescope also participated in the experiment to test the EVN compatibility. The first fringes to the Kunming telescope were successfully detected at S band. Due to a 20 KHz LO offset and a sidebands swap, no fringes were found to the Kunming telescope at X band in the clock search.

- a) **Ef, Effelsberg:** Tsys in BBC2 (IF 2 at S band) was not properly calibrated, see the pipeline results.
- b) **Mc, Medicina:** Strong RFI in BBC 2 (2249 MHz) and 8 (2297 MHz).
- c) **Nt, Noto:** BBC 7 was unlocked.
- d) **Wb, Westerbork:** The TADUmax setup did not exactly match the vex file. No fringes at S band because TADUmax could only support either S or X band observations and we chose the X band signal.
- e) **Ys, Yeibes:** Did not participate in the experiment due to a failure of the H-maser.

Questions? yang@jive.nl

Report ends