

# Network Monitoring Report: S/X-band N12SX1

**Source:** 3C454.3, J2249+1131    **Length:** 180 min.    **Observing mode:** Mk V, mode 512-16-2, RCP  
**Reference antenna:** Effelsberg    **Date of observations:** 25/05/12    **Reference date:** 25/05/12; 146 03h 00m  
**Experiment code:** N12SX1    **Date of report:** 19/07/12    **by:** Gabriele Surcis

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

	Ef	Mc	Nt	On	Ur	Hh	Ys	Sv	Zc	Bd
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 $\mu$ sec	-5.656	-94.699		-7.489	-0.053	+3.500	-1.500	+216.797	+216.797	+216.797
Clock rate in psec/sec	-0.423	+0.315		+0.593	-0.0862	+0.0800	+1.37	0.000	0.000	0.000
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):	<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>			<b>e</b>			

**Enclosure:** Footnotes S/X-band N12SX1

# Footnotes to the Network Monitoring Report: **S/X-band** N12SX1

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## **General:**

- a) **Ef, Effelsberg:** There is a strong RFI spikes at 2259.24 MHz (IF 5). Lost connection to Mark5 recorder for 15 minutes (from 4:45 to 5:00 UT).
- b) **Mc, Medicina:** There is a strong RFI spikes at 2243.24 MHz (IF 3).
- c) **Nt, Noto:** was off source during the whole experiment.
- d) **On, Onsala:** observed only X-band.
- e) **Ys, Yebes:** had initial problems with the S-band. Mark5 errors from 03:29 to 04:18 UT.

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*Questions? [surcis@jive.nl](mailto:surcis@jive.nl)*

Report ends