

# Network Monitoring Report: X-band N20X1

**Source:** J0854+2006 and J1058+0133    **Length:** 180 min.    **Observing mode:** Mk V, mode 512-18-2, dual pol.  
**Reference antenna:** Effelsberg    **Date of observations:** 28/05/20    **Reference date:** 28/05/20; 149d 12h 00m  
**Experiment code:** N20X1    **Date of report:** 21/07/20    **by:** Benito Marcote

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

	Wb	Ef	O6	T6	Ur	Ys	Hh	Sv	Zc	Bd	Ir
Station has observed	⊗	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Station produced fringes (ftp)	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Station produced fringes (disk)	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Logs are available (within 72 hours)	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Antabs on vlbeer (within 7 days)	⊗	⊗	⊗	○	■	⊗	⊗	⊗	⊗	⊗	⊗
Feedback on www (within 7 days)	⊗	⊗	⊗	■	⊗	■	⊗	⊗	⊗	⊗	⊗
GPS clock estimate gives fringes	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Clock rate in psec/sec	0.180	0.22	-0.50	-	1.61	-0.123	0.042	-0.40	-0.171	-0.129	0.49
Recording okay	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Polarization setup okay	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Strong signal amplitude	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Sampler statistics okay	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Please check BBC number(s):											
Previous reported problem(s) corrected											
Problem(s) first reported											
See enclosed footnote(s):	a			b				c			d

**Enclosure:** Footnotes X-band N20X1

# Footnotes to the Network Monitoring Report: X-band N20X1

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**General:**

- a) **Wb, Westerbork:** RCP channels show less than half of the power compared to LCP.
- b) **T6, Tianma:** Maintenance works revealed issues in the telescope structure. Repairing works going on at the time of this NME.
- c) **Sv, Svetloe:** The provided ANTAB file showed Tsys values 10 times higher on RCP than LCP for no apparent reason. A consistent gain correction was obtained with Tsys values placed close to an intermediate level between the reported ones.
- d) **Ir, Irbene:** Successfully used continuous Tsys calibration for the first time. Accurate ANTAB file provided.

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*Questions? [marcote@ime.eu](mailto:marcote@ime.eu)*

Report ends