

# Network Monitoring Report: SX-band N19SX2

**Source:** J1751+0939 and J2031+1219    **Length:** 180 min.    **Observing mode:** Mk V, mode 512-16-2/512-8-2, dual pol.  
**Reference antenna:** Effelsberg    **Date of observations:** 22/10/19    **Reference date:** 22/10/19; 295d 12h 00m  
**Experiment code:** N19SX2    **Date of report:** 03/02/20    **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

	Ef	Mc	Nt	O6	T6	Ur	Ys	Hh	Sv	Zc	Bd	Ir	Km	Wb
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	0.139	-0.096	-0.008	-0.479	0.822	1.56	-0.154	0.0376	-0.086	-0.14	-0.1	0.97	0	-0.153
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 SX-band N19SX2

# Footnotes to the Network Monitoring Report: **SX-band** N19SX2

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## **General:**

Two modes observed: S/X geo and X mode. Both at 512 Mbps. Note that gain calibrations from the EVN Pipeline in the S/X geo mode show large offsets due to the combination of both frequencies within the same dataset. They are not representative of intrinsic gain calibration offsets.

- a) **Ef, Effelsberg:** DBBC issues when changing from GEO to ASTRO2 mode, which increased the noise in IFA. A reset solved the issue..
- b) **Bd, Badary:** No fringes reported during the ftp test due to a down internet connection. No problems reported from the disk data.
- c) **Ir, Irbene:** Scans 2, 6, 8, 9, 10, and 11 missed due to DBBC issues.
- d) **Km, Kunming:** No ANTAB provided (the noise calibration is unavailable).

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

Report ends