

Network Monitoring Report: SX-band N20SX1

Source: J0237+2848 **Length:** 180 min. **Observing mode:** Mk V, mode 512-18-2, dual pol.
Reference antenna: Effelsberg **Date of observations:** 20/02/20 **Reference date:** 20/02/20; 51d 12h 00m
Experiment code: N20SX1 **Date of report:** 20/04/20 **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	0.17	0.18	-0.50	0.82	0	-0.13	0.05	-0.22	-0.16	-0.11	0.72
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	e					f

Enclosure: Footnotes SX-band N20SX1

Footnotes to the Network Monitoring Report: **SX-band** N20SX1

General:

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

- a) **Wb, Westerbork:** Fringes found on the X-only mode. However, no fringes found at S band (SX-mode; Wb only recorded the S-band part).
- b) **Ef, Effelsberg:** (*Same issue as previous session*) system did not change modes automatically. Required a manual intervention.
- c) **Ur, Urumqi:** Could not participate due to COVID-19 restrictions.
- d) **Ys, Yebes:** Joined for scan 10 due to recording issues at the beginning of the NME.
- e) **Hh, Hartebeesthoek:** Low signal-to-noise at S-band due to the dichroic reflector system.
- f) **Ir, Irbene:** Signal only in IFs 7 to 11.

Questions? marcote@jive.eu

Report ends