

# Network Monitoring Report: K-band N18K2

**Source:** J0927+3902 and OJ287    **Length:** 180 min.    **Observing mode:** Mk V, mode 512-18-2, dual pol.  
**Reference antenna:** Effelsberg    **Date of observations:** 07/06/18    **Reference date:** 07/06/18; 158d 12h 00m  
**Experiment code:** N18K2    **Date of report:** 27/09/18    **by:** Benito Marcote

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

	Jb	Ef	Mc	Nt	O6	Tr	Ys	Hh	Sv	Zc	Bd	Sr	Mh	KVN	Cm	Da	Kn	Ta
Station has observed	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Station produced fringes (ftp)	⊗	⊗	⊗	⊗	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗
Station produced fringes (disk)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗
Logs are available (within 72 hours)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	■	⊗	⊗	■
Feedback on www (within 7 days)	⊗	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	■	⊗	⊗	⊗	⊗	⊗
GPS clock estimate gives fringes	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗
Clock rate in psec/sec	-0.053	0.15	0.046	-0.29	-0.4	0	-0.24	0.175	-0.114	-0.048	0	0	0.0165	-0.053	-0.053	-0.053	-0.053	-0.053
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):																		
<b>Enclosure:</b> Footnotes K-band N18K2																		
				a			b			c				d	e		e,f	f

# Footnotes to the Network Monitoring Report: K-band N18K2

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## General:

The sampler statistics are sub-optimal for all stations (they are around 20-29-29-20% for -, +, +, +, +, +, respectively). Only the KVAZAR stations exhibit optimal values of approximately 16-34-34-16%.

- a) **Nt, Noto:** Weak fringes at the beginning of the observation, probably due to problems with the pointing. To be investigated after the NME.
- b) **Ys, Yebes:** no fringes found until the last scan (from disk) for unclear reasons. A lightning struck the station the week before, some equipment could have been damaged at the time.
- c) **Zc, Zelenchukskaya:** the autocorrelations show several spikes (likely from an internal origin).
- d) **KVN (Kt, Ky, Ku):** Did not send data during the NME. Diskpacks have still not arrived at the time of this report.
- e) **Cm,Kn, Cambridge and Knockin:** A phase trend is observed during the NME, potentially originated by a wrong pointing.
- f) **Kn,Ta, Knockin and Pickmere:** Cross pols. Fixed during the post-processing.

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

Report ends