# Network Monitoring Report: **K-band** N20K2

**Source:** J0854+2006, J1058+0133 and J1159+2914  **Length:** 180 min.  **Observing mode:** Mk V, mode (1) 1024-8-32, dual pol; (2) 4096-32-32, dual pol.
**Reference antenna:** Effelsberg  **Date of observations:** 03/06/2020  **Reference date:** 03/06/2020; 155d 12h 00m
**Experiment code:** N20K2  **Date of report:**  24/07/2020  **by:** Dhanya G. Nair

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

| | Jb | Ef | O6 | Ur | Ys | Hh | Sv | Zc | Bd | Mh | Kt | Ky | Ku |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.02 | 0.24 | −0.04 | 1.68 | −0.012 | 0.05 | −0.03 | −0.017 | −0.013 | 0.014 | − | − | − |
| 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 | d | d |

**Enclosure:** Footnotes K-band N20K2

**General:**

(Ur,Sv,Bd and Zc are not in 4Gbps test.)

**a) Jb2, JODRELL BANK:** Fringes are not found in 4G mode. Cloudy and rainy weather.

**b) Ef, EFFELSBERG :** Crossed polarization in first 6 scans fixed during post-processing.

**c) Ys, YEBES:** Joined from scan 03.

**f) KVN (Kt, Ky and Ku):** Had a problem with their storage server, which prevented being able to e-ship the data for this NME. Problem in LO frequency setting from scans 1-12 and crossed polarization for Kt and Ky were found during ftp-fringe test.

*Questions? nair@jive.eu*                                                                                          Report ends