

# Network Monitoring Report: Q-band N22Q1

**Source:** J0530+1331 and J0205+3212    **Length:** 180 min.    **Observing mode:** 2048-16-2, dual pol.  
**Reference antenna:** Effelsberg    **Date of observations:** 16/03/22    **Reference date:** 16/03/22; 75d 11h 00m  
**Experiment code:** N22Q1    **Date of report:** 08/04/22    **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	O6	T6	Ur	Mh	Ys	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	-0.132	-0.56	0.803	—	0.029	1.46	0	0	-1.9
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):			<i>a</i>	<i>b</i>					<i>c</i>

**Enclosure:** Footnotes Q-band N22Q1

# Footnotes to the Network Monitoring Report: Q-band N22Q1

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## **General:**

Two extra sources, J0207+3152 and J0528+1347, were observed to verify the absolute astrometry in phase-referencing at Q band. The first one is separated 0.63° away from J0205+3212, and the second one 0.57° from J0530+1331. A few 1-min scans on each of them were scheduled during this NME. The derived positions of these sources are consistent within uncertainties with respect to the ICRF.

- a) T6, Tianma:** Problems with the subreflector until scan 23. Only the last scan contained all the expected data. Previous ones only showed partial data.
- b) Ur, Urumqi:** Could not participate due to national tasks.
- c) Tt, KVN-Tamna:** Issues when transferring data during the FTP test (grabs of data with time offsets of 10–50 s with respect to the expected ones).

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

Report ends