

KVN Station Report, TOG-meeting, June 25, 2019, Jodrell Bank, UK

General Information

KVN started commissioning operations with new wide-band sampler called OCTAD. 16Gbps fringes were successfully detected. Unfortunately, PLL synthesizer of the wide-band sampler at Tamna station was damaged by operational mistake, which made the commissioning delayed by several months. We replaced the broken PLL synthesizer and recently resumed test operation. KVN will be able to participate in the next EVN session with 2Gbps mode instead of current 1Gbps mode.

EVN session Nov/18

All three KVN stations participated in 5 experiments in K-band including one NME. Total operation time is 30 hour. K-band data of Yonsei taken during the period from September 2018 to April 2019 may have significant gain degradation depending on frequency. It was caused by a frequency synthesizer of K-band receiver.

EVN session Mar/19

All three KVN stations participated in three experiments in K-band for 14 hours. There was no major problem.

EVN session Jun/19

All three KVN stations participated in three experiments in K-band for 12 hours. There was no major problem.