

## KVN Report to the EVN CBD Meeting

### 1. EVN observations in 2015 and 2016

DAS and Recording errors were occurred at KVN Ulsan and Tamna antennas during ga032c (June 1, 2015), respectively. About 30 minutes data were lost. KVN were also participated RadioAstron observations (ga035b, gb075c, bk193a) and mostly successful. In 2016, two RadioAstron observations (gg079c, gg079d) were also conducted without major problems.

### 2. System updates

Three FILA10G-SA were installed at the all KVN antennas and fully operational. Successful fringes at 4/8Gbps with a FILA10G and a Mark6 system have been detected

### 3. KVN 2 Gbps operation

We are not able to support an EVN 2Gbps mode because the digital filtering process of the KDAS (KVN DAS system) is only available for the 1Gbps operation. One possible way for KVN to support the EVN 2Gbps operation is to test the correlation between EVN 2Gbps and KVN 4Gbps data similar to the "zoom band correlation" in DiFX, and then two 512MHz subbands (one 512MHz per polarization) can be recorded using a FILA10G and a Mark6 system.