

# First phase of the East Asia VLBI network

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## East Asia VLBI network (EAVN)

Korea : KVN (Yonsei, Ulsan, Tanma)

China : CVN (Shanghai, Urumqi, Beijing, Kunming)

Japan : JVN+VERA

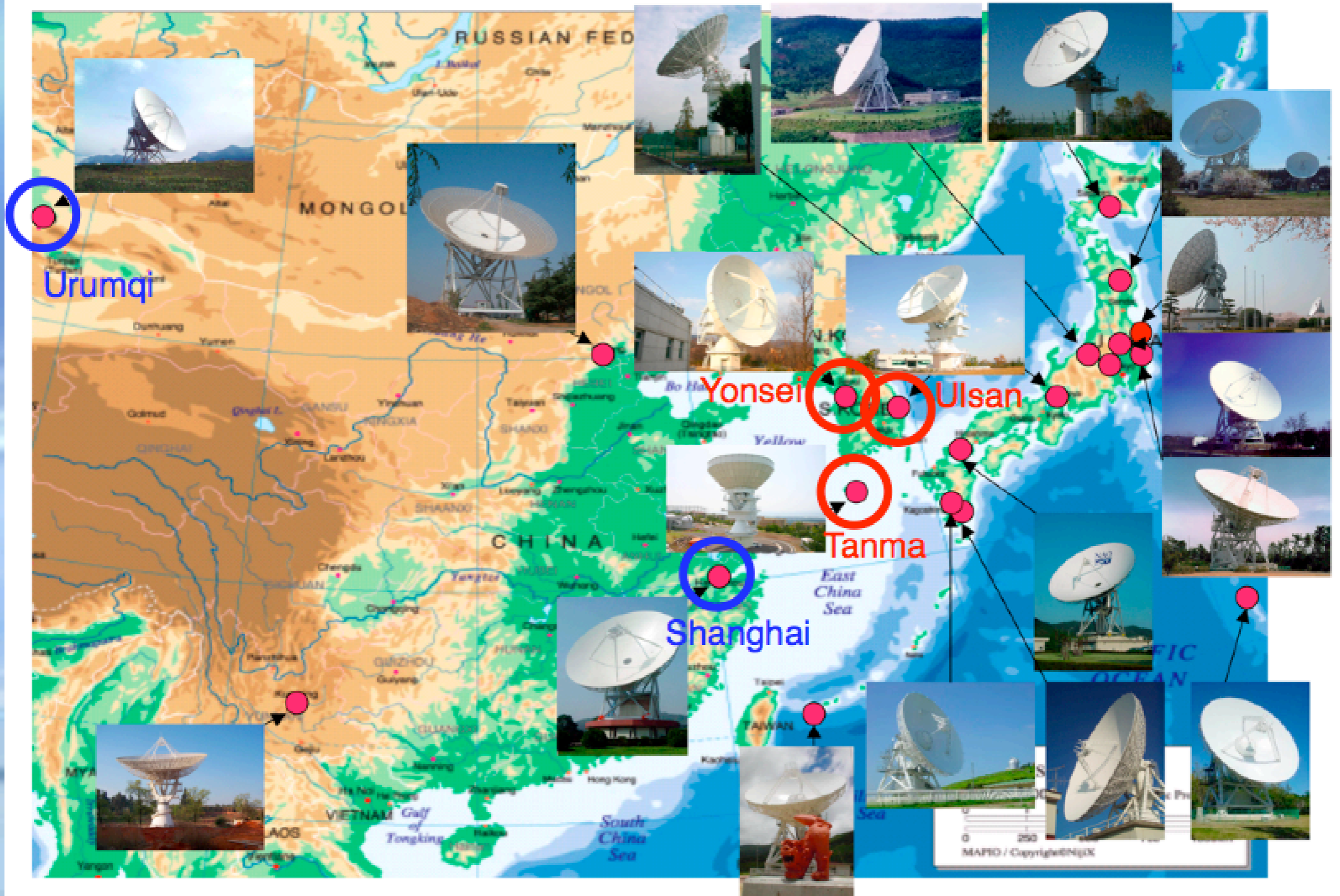
**The EAVN will be powerful tool for astrometry observation.**

We are going to install “*K4/VSOP terminal* (128Mbps)” on KVN 3 antennas in Korea and Shanghai & Urumqi in China in order to construct **the first phase East Asia VLBI network.**

In the future

- Extension to the wideband (Gbps recording) system  
and the KJJVC (Korea-Japan Joint VLBI correlator)
- VSOP-2

# East Asia VLBI Network array configuration

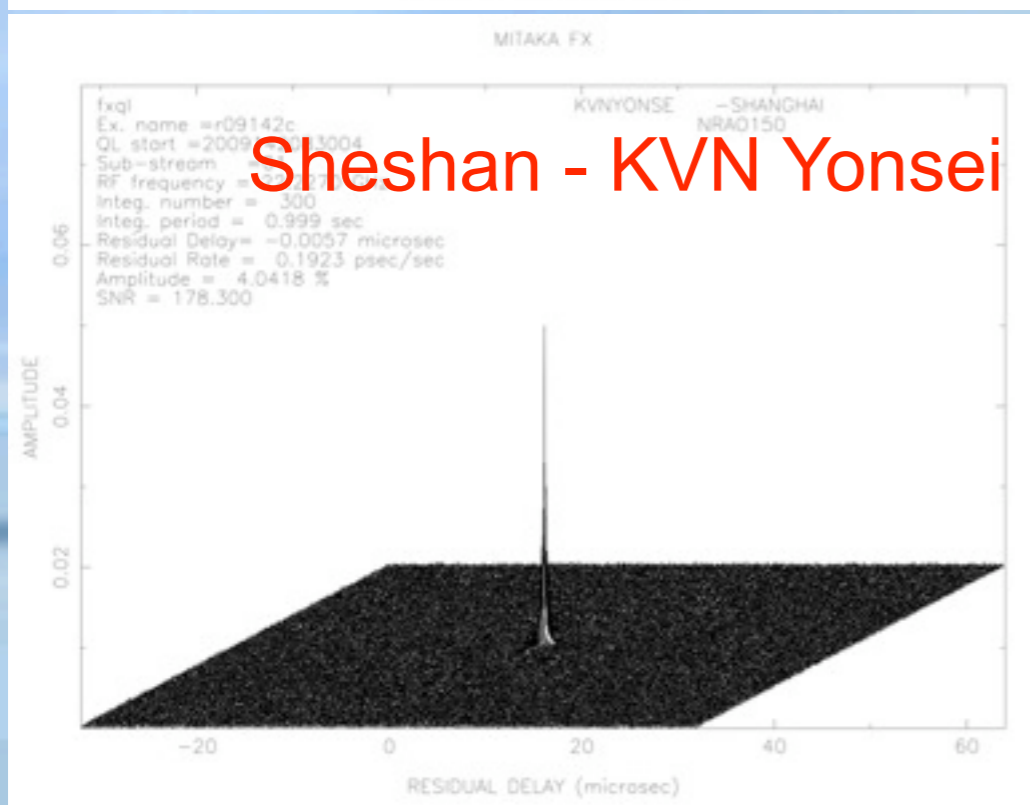
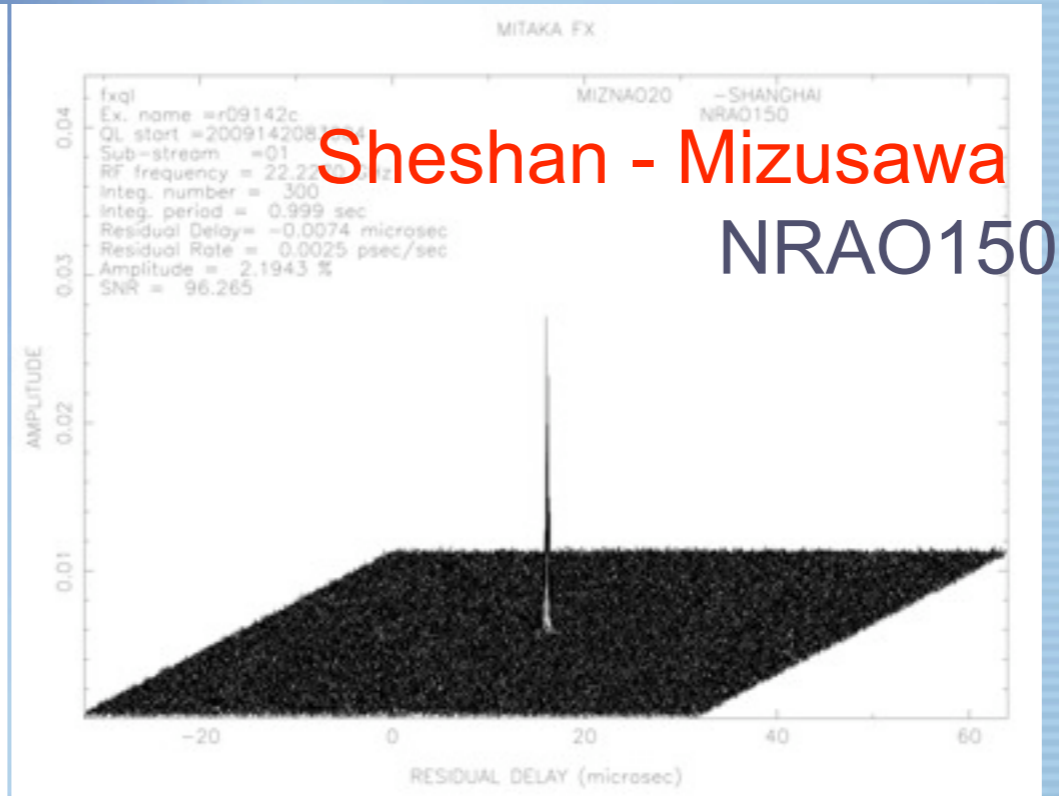
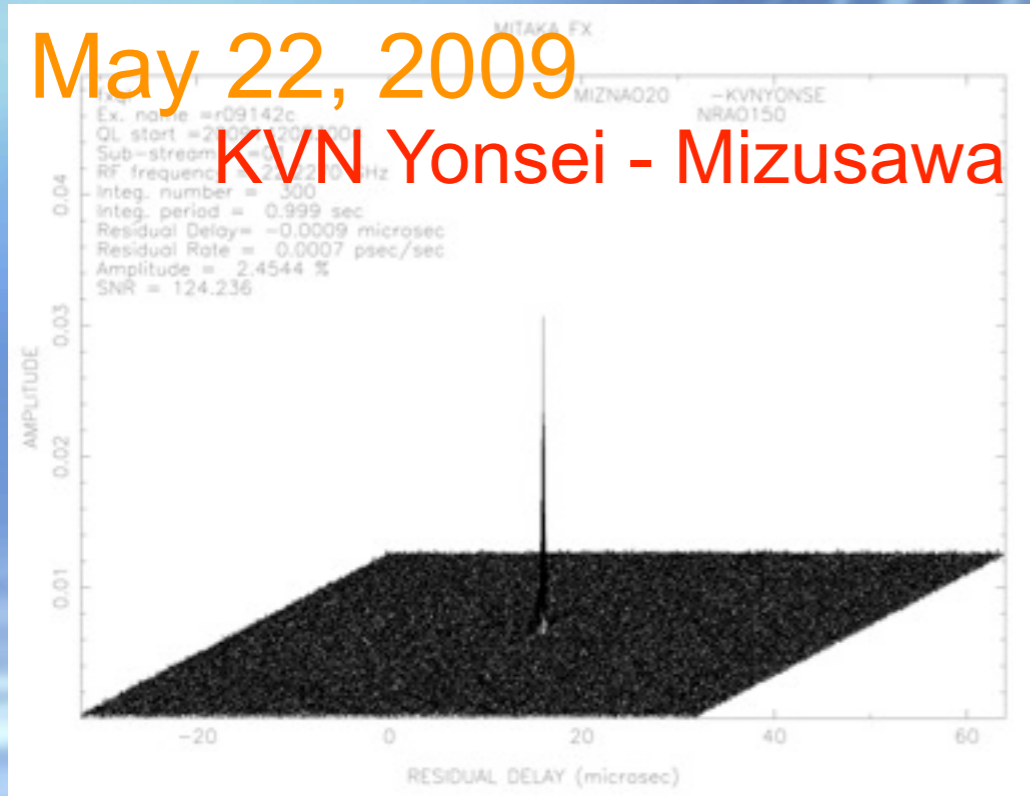


max. baseline ~6,000km

# Fringe detections for EAVN

**KVN Yonsei(Seoul) - Sheshan(Shanghai) - VERA Mizusawa K-band**

May 22, 2009



## Fringe Detections

- Nov. 1 and 3, 2008 in the K-band  
KVN Yonsei+VERA K-band
- Mar. 12 and 13, 2009 in the Q-band  
KVN Yonsei+VERA Q-band
- May. 22, 2009 in the K-band  
KVN Yonsei+Sheshan+VERA K-band