

September 4, 2025

## Shanghai Station Report

### **1. Observations**

T6 (Tianma 65m telescope) has participated in the EVN session I & II of 2025. Most of the observations were successful.

At 1:31 on May 29, China successfully launched the Tianwen-2 probe of the planetary exploration project using the Long March 3B Y110 carrier rocket at the Xichang Satellite Launch Center.

From May 29 to June 7, we participated in the real-time mission of Tianwen-2. Starting from the 8th, after switching to long-term monitoring, we also took part in the joint observation mission with the EVN.

### **Development and maintenance activities in 2025**

#### **2.1 Flex-buff update**

A new flexbuff with 864TB has been installed in this July. It is currently operating normally.

### **3. e-VLBI**

More than five e-VLBI experiments among the EVN have been carried out at a data rate of 1024 Mbps or 2048 Mbps for each e-VLBI session.

### **4. Prospects**

For the upcoming session III, T6 could participate in L, C, S/X, K and Q band observations.