

## **URUMQI STATION REPORT**

**Madrid, 2016-02-08**

### **1. Nanshan 26m telescope**



Figure 1. Newly painted 26m antenna at Nanshan

The Stage II reconstruction of Nanshan 26m telescope actually finished at the end of last year. However, due to a faulty component of the hexapod for the secondary reflector, we just managed to replace the part in this January. Right now a systematic system testing and parameter measuring work is ongoing. We are expecting everything right in its place before the Session I starts.

### **2. Testing runnings in late 2015**

The Stage II reconstruction work did a huge impact on Nanshan 26m telescope's schedule late in this year. Even we managed several observations in the gaps during the reconstruction work, the quality of the observations was significantly affected by the components malfunctions. For example, EG086A/B was affected by both the receiver and the formatter faults. We also

delayed the dispatch of the disk module recorded this experiment. Late in last October, we tried to catch up Session III observations, but our antenna's cable connection instability together with other broken mechanical parts suspended the observations again.

### **3. Digital backends upgrading**

Even it seems that the newly assembled antenna needs a little more time for a better finishing, we still have exciting equipment upgrading in this coming year. We have ordered DBBC2, RDBE and Mark6 and expect to receive them before late February. We are planning to get all the digital backends ready to go for Session II observations.

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