

## URUMQI STATION REPORT

Bonn, 2015-05-12

### 1. Nanshan 26m telescope



Figure 1. Newly established 26m antenna at Nanshan

As planned the stage I reconstruction of our Nanshan 26m telescope finished before last October. After several short testing runnings in last several months, we are now at the stage II reconstruction, which means we are going to lift the antenna and rebuild the azimuthal track. The antenna will official stop running again in this May. We are hoping to finish the reconstruction work by this August.

### 2. Testing runnings

As required by Chinese lunar exploration project, our new 26m telescope joined satellite tracking observations in last October. However, this capacity was no more than just measuring phase delays which was far below the specifications required by astronomical observations. Our engineering work finially brought the 26m telescope back online in this January. The backends upgrading and parameter measuring have not caught up yet. We have joined

several IVS observations and expected to have new measured station coordinates. Some local single-dish observations have reported that our new antenna picked up more environmental noises than the old one does. So a fully system check and many calibration work need to be done after the stage II reconstruction in this year.

**Zhang.Ming@xao.ac.cn**