



## **A New C-Band IPS System in Kunming 40m Radio Telescope**

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Solar wind is the main source of the interplanetary medium, and the Sun can influence our earth through its solar wind. Therefore, monitoring the Sun and solar wind is of great importance to study the solar-earth environment and to predict the space weather. Ground-based Interplanetary Scintillation (IPS) observation can provide an efficient and economical way to study the solar wind, and can also exam the shock wave and CME. It has both scientific research and application value. China has begun to observe IPS since 1999 with MSRT, then with Xinjiang 25m radio telescope and Miyun 50m radio telescope. From 2010, some experimental observations were carried out with the 40m radio telescope in Kunming adopting the single station single frequency mode. From December 2016, a new observation and data acquisition system was built at C band. Some observations have been carried out, and some progress has been achieved.