

## **The new Ionospheric Station of Tucumán: First Results**

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### **Abstract**

An Advanced Ionospheric Sounder, built at the Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy, was installed at Tucumán, Argentina, particularly interesting for its location, near the southern peak of the equatorial anomaly. The aim of this installation is to collect a large amount of continuous data useful both to study the dynamic of the equatorial ionospheric plasma and to develop reliable regional ionospheric prediction models. Moreover this ionosonde will contribute to the ionospheric database and real time knowledge of southern hemisphere ionospheric conditions for space weather applications.