

## Synchronous observation of ionospheric electron density profile using the radio occultation technique and Digisonde

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We will outline of a new method of observing ionosphere using radio occultation technique and report the results of synchronous observation of ionospheric electron density profile using this method and the conventional sounding method using Digisonde at Kokubunji on October 11 and 14, 1999. The profile obtained using the new method was not consistent with that obtained at the same time using Digisonde. The peak height evaluated by each method was similar, but the electron density given by the occultation technique was larger than that obtained using Digisonde on each day. On the other hand, the profile obtained by the occultation technique agree with that obtained by Digisonde about 20 minutes before well on October 14. We think the phenomenon may have been TIDs.