

Spectral observation of solar radio Type I noise storms by using the IPRT

Kazumasa Iwai[1]; Fuminori Tsuchiya[1]; Hiroaki Misawa[2]; Akira Morioka[3]

[1] Planet. Plasma Atmos. Res. Cent., Tohoku Univ.; [2] PPARC, Tohoku Univ.; [3] Planet. Plasma and Atmos. Res. Cent., Tohoku Univ.

Type I noise storm is a quite interesting solar radio emission on the points of their source regions and mechanisms. We have started a station solar radio monitor using the Iitate Planetary Radio Telescope (IPRT) at Iitate, Fukushima at a frequency range of 260-1000MHz with the sensitivity of 1SFU. So far, we have observed solar radiation for 20 days from December 26, 2006 to January 14, 2007 and confirmed that a Type I noise storm was emitted on Jan 4 from a radio source corresponding to the sunspot area. In the presentation, we will introduce the observation system and the preliminary results.