

Planetary and Space Physics Database of the Tohoku University

Manabu Yagi[1]; Takahiro Obara[2]; Masato Kagitani[3]; Mizuki Yoneda[4]; Atsushi Kumamoto[4]; Hiroaki Misawa[5];

Fuminori Tsuchiya[4]; Kazumasa Iwai[6]; Naoki Terada[7]; Takayuki Ono[8]

[1] PPARC, Tohoku Univ.; [2] PPARC, Tohoku University; [3] Dep. of Geophys., Tohoku Univ.; [4] Planet. Plasma Atmos. Res. Cent., Tohoku Univ.; [5] PPARC, Tohoku Univ.; [6] NSRO/NAOJ; [7] Dept. Geophys., Grad. Sch. Sci., Tohoku Univ.; [8] Dept. Geophys., Grad. Sch. Sci., Tohoku Univ.

Planetary Plasma and Atmospheric Research Center (PPARC) of the Tohoku University is now in progress to build a upper atmosphere, planetary, and space physics database under collaboration with the Inter-university Upper atmosphere Global Observation NETWORK (IUGONET). The core data of the database are solar and planetary radio observation in HF-UHF range at Iitate observatory, Fukushima, LF range at Athabasca observatory, Alberta, and optical observation of planets at Haleakala observatory, Hawaii. In the presentation, we will introduce the observations of solar radio burst with high time resolution using the AMATERAS spectrometer of Iitate Planetary Radio Telescope (IPRT) and high-dispersion spectroscopy of the planets at Haleakala observatory as well as precipitation of high energy electrons into the atmosphere using Athabasca University Geophysical Observatory (AUGO).