

M134-013

Room: 304

Time: May 20 14:35-14:45

Scientific objectives of TOPS: Hermean magnetosphere and exosphere/Martian and Venusian exospheres and escaping atmospheres

Naoki Terada[1]; Atsushi Yamazaki[2]; Fuminori Tsuchiya[3]; Hiroaki Misawa[2]; Yoshifumi Futaana[4]; Shoichiro Yokota[5]; Shigeto Watanabe[6]; Ichiro Yoshikawa[7]; Takahashi Yukihiro TOPS Science WG[8]

[1] NICT/JST; [2] PPARC, Tohoku Univ.; [3] Planet. Plasma Atmos. Res. Cent., Tohoku Univ.; [4] IRF; [5] JAXA; [6] Earth and Planetary Sci., Hokkaido Univ; [7] Univ. of Tokyo; [8] -

TOPS (Telescope Observatory for Planets on small-Satellite) is an earth-orbiting small-satellite dedicated to observe planetary atmosphere/plasma with wavelengths ranging from 100 nm to about 1000 nm. In this presentation, scientific objectives of TOPS for the Hermean magnetosphere and exosphere as well as for the Martian and Venusian exospheres and escaping atmospheres are presented.