Geospace Exploration Project: Arase (ERG)

Yoshizumi MIYOSHI [1], Iku SHINOHARA [1], Takeshi TAKASHIMA [2], Kazushi ASAMURA [2]

Kazuo SHIOKAWA [1], Nana Higashio [2], Takefumi MITANI [2], Shoichiro YOKOTA [2],

Satoshi KASAHARA [3], Yoich KAZAMA [4], Shiang-Yu, WANG [4], Yoshiya KASAHARA [5], Yasumasa KASABA [6], Satoshi YAGITANI [5], Ayako MATSUOKA [2], Hirotsugu KOJIMA [7], Yuto KATO [6], Mitsuru HIKISHIMA [2], Kanako SEKI [3], Keisuke HOSOKAWA [8]

Yasunobu OGAWA [9], Shin-Ichiro OYAMA [1], Satoshi KURITA [1], Takayuki ONO [6],

ERG project team, pulsating aurora team

(1) Nagoya University, Nagoya, Japan

(2) JAXA, Sagamihara, Japan

(3) University of Tokyo, Tokyo, Japan

(4) ASIAA, Taipei, Taiwan

(5) Kanazawa University, Kanazawa, Japan

(6) Tohoku University, Sendai, Japan

(7) Kyoto University, Uji, Japan

(8) University of Electro-Communications, Chofu, Japan

(9) NIPR, Japan

The ERG (Exploration of energization and Radiation in Geospace) is a geospace exploration project. The project focuses on the geospace dynamics in the context of the cross-energy coupling via wave-particle interactions. The project consists of the satellite observation team, the ground-based network observation team, and integrated-data analysis/simulation team. The Arase (ERG) satellite was launched in December, 2016. Comprehensive instruments for plasma/particles, and field/waves are installed in the ERG satellite to understand the cross-energy coupling system. In the ERG project, several ground-network teams join; magnetometer networks, radar networks, optical imager networks, etc. Moreover, the modeling/simulations play an important role for the quantitative understanding. In this presentation, we will talk about an overview of the Arase (ERG) project and brief overview of the campaign observations in spring 2017.

Please send the abstract via **https://science-cloud.com/eiscat_mst/mypage/**

Please delete all example and instruction text.