

PPS001-P06

会場:コンベンションホール

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## 火星ランダーによる大気電場及び電磁波の観測

### Measurement of atmospheric electric field and electromagnetic waves by Mars lander

高橋 幸弘<sup>1\*</sup>, 清水 久芳<sup>2</sup>, 石坂 圭吾<sup>3</sup>

Yukihiro Takahashi<sup>1\*</sup>, Hisayoshi Shimizu<sup>2</sup>, Keigo Ishisaka<sup>3</sup>

<sup>1</sup>北海道大学・宇宙理学専攻, <sup>2</sup>東京大学・地震研究所, <sup>3</sup>富山県立大学・工学部・情報システム工学科

<sup>1</sup>Dept. CosmoSciences, Hokkaido University, <sup>2</sup>ERI, University of Tokyo, <sup>3</sup>Toyama Prefectural University

Measurement of atmospheric electric field and electromagnetic waves on the ground in Mars is very new and unique approach dedicated not only to understanding of the electric current research but also to the meteorology. Dust devil and storm are closely related to the DC field generated by dust particle collisions in the very near surface region. The electromagnetic wave measurement makes it possible to know the location and the quantitative strength of dust devils wind with few observation sites. This measurement also contributes to the studies both on the crust and the upper atmosphere. We propose an instrumentation set for the DC and AC electromagnetic observation making use of lander.

キーワード:火星,ランダー,電磁波,電場,ダストデビル

Keywords: Mars, lander, electromagnetic wave, electric field, dust devil