

Mission Analysis of Micro-Satellite for Earthquake Precursor Study

SUTO, Yushi^{1*} ; NAKAMURA, Maho¹ ; KAMOGAWA, Masashi¹

¹Dpt. of Phys., Tokyo Gakugei Univ.

A mitigation of the disasters attributed to mega-earthquake should be prioritized for saving human lives. In order to promote earthquake prediction, we take particular notice of one of plausible ionospheric precursors, the decrease of VLF electromagnetic wave intensity. Then we statistically verify such a precursor associated with world-wide large earthquakes, and finally conclude whether earthquakes are predicable or not. For this purpose, a dedicated satellite with 2.5- year operation is proposed.

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