

## Measurement result of Technical Data Acquisition System(TEDA) onboard Engineering Test Satellite-VIII (ETS-VIII)

# Kiyokazu Koga[1]; Tateo Goka[2]  
[1] JAXA; [2] ISTA/JAXA

Engineering Test Satellite-VIII (ETS-VIII) was successfully launched on 18 December, 2006 from Tanegasima space center by the H-IIA launch vehicle No.11, and injected into its scheduled Geostationary orbit (at an east longitude of 146 degrees), with the main purpose of dealing with the increasing demand for digital communications, such as mobile phones and other mobile devices.

Technical Data Acquisition System (TEDA) is installed in this satellite to measure the space environment which causes the effect to the satellite such as discharge caused by charging, single event upset and radiation damage of device. TEDA is consist of magnetometer (MAM), total dose monitor (DOS), potential monitor (POM) and single event upset monitor (SUM).

TEDA was successfully checkout on 28 December, 2006. Immediately right after this, TEDA was into the state of continuous measurement mode. About the data of MAM, the graph based real-time data was open to public on our WWW site called SEES (Space Environment and Effects System).

We will report the first measurement result of TEDA, especially focused on the data of MAM.