

42nd SYMPOSIUM ON SAFETY AND QUALITY IN SPACE ACTIVITIES (D5)
Preventing Spacecraft Failure From Space Environment Effects (3)

Author: Mr. Kiyokazu koga

Japan Aerospace Exploration Agency (JAXA), Japan, koga.kiyokazu@jaxa.jp

Mr. Haruhisa Matsumoto

Japan Aerospace Exploration Agency (JAXA), Japan, matsumoto.haruhisa@jaxa.jp

Dr. Yugo Kimoto

Japan Aerospace Exploration Agency (JAXA), Japan, kimoto.yugo@jaxa.jp

Dr. Takahiro Obara

National Institute of Information and Communications Technology (NICT), Japan, (*email is not specified*)

Dr. Tateo Goka

Japan Aerospace Exploration Agency (JAXA), Japan, goka.tateo@jaxa.jp

SPACE ENVIRONMENT DATA ACQUISITION EQUIPMENT – ATTACHED PAYLOAD (SEDA-AP)
ON THE INTERNATIONAL SPACE STATION - JAPANESE EXPERIMENTAL MODULE “KIBO”
EXPOSED FACILITY

Abstract

Space Environment Data Acquisition equipment (SEDA), which will be mounted on the Exposed Facility (EF) of the Japanese Experiment Module (JEM, also known as “Kibo”) on the International Space Station (ISS), was developed to measure the space environment of the orbit of ISS. This payload module is called SEDA – Attached Payload (AP). This paper reports the mission objectives, instrumentation, and current status of SEDA-AP.