

SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE MANAGEMENT IN SPACE
ACTIVITIES (D5)
Space Weather Prediction and Effects on Space Missions (3)

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EXPERIMENTAL STUDY FOR IMPROVING AN ESD GROUND TESTING METHOD OF SOLAR
ARRAY

Abstract

ESD ground testing on satellite solar array paddle is performed to mitigate catastrophic accidents. An international standard is desired to perform international satellite business smoothly. A standard has been developed in laboratory of spacecraft environment interactions. The draft has been applied. In this paper, preliminary experiments were performed to improve the testing method.