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IN-ORBIT MICRO-VIBRATION MEASUREMENT OF CAST'S ZY-3 SATELLITE

Abstract

Micro-vibration may affect the image quality of optical remote sensing satellite. A vibration measurement system has been installed on CAST's ZY-3 satellite. The system has 22 channels of micro-vibration. In 2012 February, one month after launched, the system measured micro-vibration. The test result is present in this paper, and the relation between vibration and the source such as momentum wheel is analyzed in this paper.