

SPACE COMMUNICATIONS AND NAVIGATION SYMPOSIUM (B2)
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FIRST RESULTS OF LAUNCH AND INITIAL ON-ORBIT OPERATIONS OF QUASI-ZENITH
SATELLITE SYSTEM

Abstract

The Quasi-Zenith Satellite System, a Japanese satellite navigation system, broadcasts GPS-interoperable and augmentation signals as well as original Japanese signals from an inclined, elliptical geosynchronous orbit. The Japan Aerospace Exploration Agency (JAXA) is in charge of developing the first stage of QZSS in collaboration with related Ministries and institutes. The first satellite is launched in the summer of 2010. Three months on-orbit checkout is scheduled after launch, one month for satellite bus system and two months for navigation payload. This paper will include launch operation results, and hopefully results of the initial part of the on-orbit checkout operations. Preparation status of technical and utilization experiments using first satellite will also be covered.