

EARTH OBSERVATION SYMPOSIUM (B1)
Earth Observation Data Management Systems (4)

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DESIGN AND IMPLEMENTATION OF THE OPERATION AND MANAGEMENT SYSTEM FOR
EARTH OBSERVATION SATELLITES GROUND APPLICATION SYSTEM

Abstract

The Operation and Management System is a very crucial part of the earth observation satellites ground application system, which is built to process and distribute the remote-sensing data of the satellite. This paper designs a parallel multitask operation and management system based on Browser/Server framework. The system not only solves the problem of mass tasks, parallel scheduling and highly real-time monitoring, and greatly improves the flexibility and timeliness of the operation management, but also reduces complexity and looses coupling of the system. The actual operating result shows that the Operation and Management System is effective, reliable, real-time and easy-extension.