

## **Distribution of Jason-1 near-real-time data**

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The demand for near-real-time satellite data for oceanographic applications is increasing. To meet this demand PO.DAAC has developed a reliable data ingest and distribution system (OCEANIDS) to ingest data directly from a satellite ground processing stream and serve the data to multiple operational users. OCEANIDS consists of a cluster of nodes, which has the ability to distribute services within the cluster and importantly failover services from one node to another in the event of a failure. This feature allows OCEANIDS to provide an IP address, file system, web server, data management and data processing software with a high degree of reliability. The data management software for OCEANIDS is run autonomously and handles the interfaces with data providers, data storage and the interfaces with operational users. The software can be easily configured to handle new data streams and add new operational customers. The processing software is used to create browse images and other value-added products that are made available to the general public through a web server. Currently, OCEANIDS is being utilized within the several satellite ground systems, including Jason-1, to ensure continuous flow of mission critical data between the US and international partners. Following the Jason-1 Verification Phase, operational users will be able to subscribe to receive Jason-1 near-real-time products or retrieve them through PO.DAAC's near-real-time data server web site.

Poster presentation  
Oceanography