

## Near-real-time data processing and distribution at PO.DAAC

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Earth observation satellite missions often have a requirement to deliver data within a few hours after capture in order to meet the increasing demand for near-real-time data by commercial, scientific and educational users. At NASA's Physical Oceanography Distributed Active Archive Center (PO.DAAC) we have developed a reliable data capture, processing and distribution server to interface between data providers, such as a satellite ground system, and end-users. This system automatically acquires data from a provider, processes the data to generate images that can be easily understood, and makes these images and associated data available via a simple web interface and FTP server. Additionally, users are able to subscribe and have data pushed directly to their computer. Currently, the system is used to distribute Topex/Poseidon and Jason-1 altimetric data (including sea surface height and anomaly images), global and coastal AVHRR sea surface temperature data, and SeaWinds on QuikScat data. In the future, we plan to distribute other near-real-time ocean-related data products, develop specialized application products and implement an industry standard interface for delivering data and images across the Internet.

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Poster