JASON-1 DATA DISTRIBUTION AT PO.DAAC

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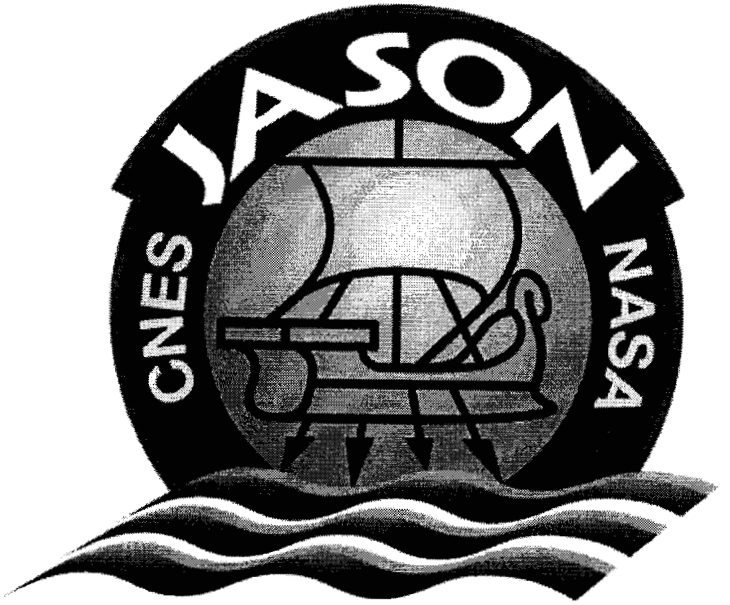


PO.DAAC Support for Jason-1

- Support ingest of near-real-time, telemetry, science and auxiliary data
- Archive Jason-1 telemetry, science data, auxiliary data, metadata, software and related documents
- Support OSDR operational users with high reliability system
- Distribute OSDR and IGDR data to JSWT during CalVal
- Distribute Jason-1 (reprocessed) Science Data Products to science community after verification period and provide user support service
- Support CalVal and science team activities
- Provide read software and documentation
- Provide data product quality assurance
- Develop, produce, archive and distribute higher level data products
- Coordinate with AVISO data center as a mirror site
- End of Mission Archive

Jason-1 Science Data Products

- Operational Sensor Data Record (OSDR)

  Near-real-time altimeter data using Doris orbits and other rapidly available corrections, provided in less than 3 hours after spacecraft collection. Excellent wave height and wind speed; SSH expected accuracy ~30 cm

- Interim Geophysical Data Record (IGDR)

  Full accuracy altimeter data with the exception of an interim orbit, provided in 3 days after spacecraft collection. SSH expected accuracy ~4 cm

- Geophysical Data Record (GDR)

  Full accuracy altimeter data with the high precision orbit, provided in about 35 days after spacecraft collection. SSH expected accuracy ~2.5 cm

- Sensor Geophysical Data Record (SGDR) *

  A product for use by experts who want JASON-1 waveform data. It has 20 per second waveform information added to the full GDR record.

* By project approved request only

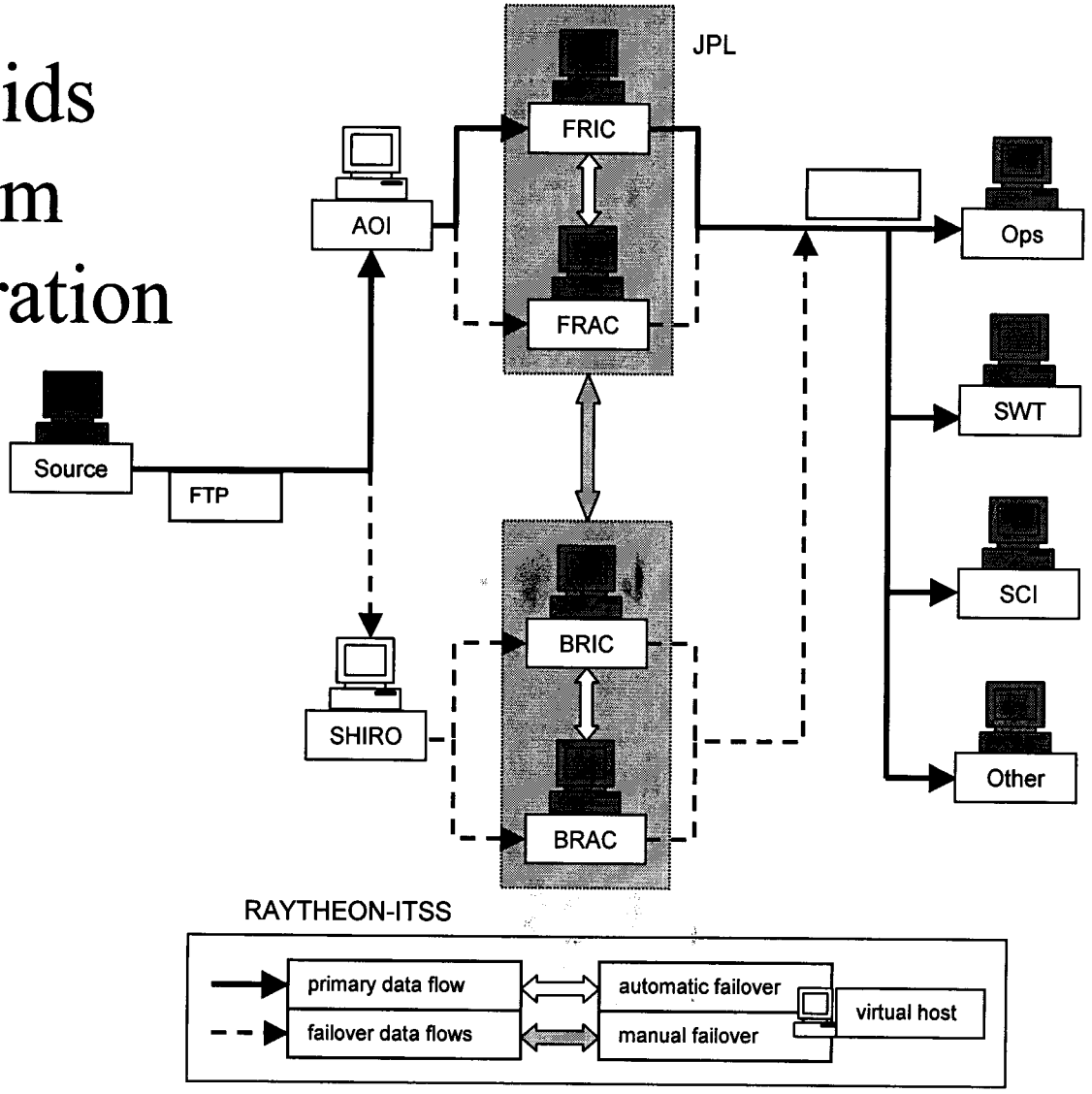
PO.DAAC Data Distribution Plans

Data Product	Data Granularity	Data Latency	Daily Volume	CalVal Phase	Operational Phase
OSDR	2 hour file	3 hours	6 MB	FTP login	FTP
IGDR	Pass file	3 days	32 MB	FTP login	FTP
GDR	Cycle	30 days	32 MB	N/A	FTP DVD (10 cycles)
SGDR	Cycle	30 days	950 MB	N/A	8mm (by request)

Jason-1 Value-Added Products

- Topex GDR Correction Product (GCP) by P. Callahan
  - Provide sea surface height cross-validation
  - Jason fields (ocean tides, mean sea surface, geoid, inverted barometer correction, and rain flag) at T/P times and locations
  - Available during CalVal
- Jason-1 Sea Level Anomaly Product
  - Same formats/corrections as new T/P Sea Surface Anomaly Product
  - Organized by cycle and pass, corresponds to 1/second Jason (I)GDR
  - Experimental product during CalVal, operational with public release
  - Also interim product from Jason-1 IGDR

Oceanids System Configuration



PO.DAAC Near-Real-Time Delivery

- Jason-1 OSDR* (+ 3 hrs)
- Jason-1 IDGR* (+ 3 days)
- QuikSCAT Ice Product – David Long (+ 6 hrs)
- NAVOCEANO MCSST (+12 hrs)

- Near-real-time browse images for all products are in development

* Jason-1 data restricted to SWT during CalVal Phase

BACKUP SLIDES

Contact Info After Public Release

mailto: jason@podaac.jpl.nasa.gov

http://podaac.jpl.nasa.gov/jason (public)

http://sealevel.jpl.nasa.gov (JPL project)

Jason-1 FAQs

- Are the Jason-1 and T/P data the same format? or
- Can I use my T/P software to read the Jason-1 data?
  - No! Although the data are collected along the same groundtrack, and the majority of the parameters are similar, there are differences between the T/P GDRs and Jason GDRs. Refer to GCP.
- Why is the Jason-1 data volume larger than T/P?
  - Distance corrections are reported in tenths of millimeters (10^{-1} mm)
  - High rate range data are reported twenty per frame