http://www.aviso.oceanobs.com
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Altimeter Products for Space Oceanography

Topex/Poseidon and Jason-1 Data Products

Near Real Time Products

http://podaac.jpl.nasa.gov
Email: podaac@jpl.nasa.gov

Product Description	Characteristics / Comments	Distribution& Diffusion Media	Frequency	Time-delay	Data coverage	Size and granularity
Gridded Sea Level Anomalies **Contents:** gridded sea level height with respect to a seven year mean (1993-1999) **Use:** study of ocean variability (mesoscale circulation, seasonal variation, El Niño…)						
NRT-MSLA (Near Real Time Maps of Sea Level Anomalies) - 1/3 degree x 1/3 degree Mercator grid - and low resolution 1 degree x 1 degree (images on web site) **Distributed by AVISO (Ssalto/Duacs)**	Using I-GDR input data for all missions **Sea Level Anomalies + geostrophic velocities (for combined data only)** Mono altimeter satellite product: - Topex/Poseidon - Jason-1 - Combining all available altimeter data : (Topex/Poseidon+ERS2+GFO) or (Jason-1+ERS2+GFO) and (soon with Envisat)	- FTP (restricted access for recent data, open access for data older than 1 month by anonymous FTP at ftp.cls.fr in /pub/oceano/AVISO/NRT-SLA/maps/) - open Live Access Server for data older than 1 month (LAS software) (http://las.aviso.oceanobs.com)	Twice a week : Wednesday and Saturday	7 days	August 2001 – ongoing	- a worldwide map representing the situation at the file date - and produced using last 6 weeks of I-GDR input data - a file every 3 or 4 days - 1.6 MB per file (zipped)
Along-track Sea Level Anomalies **Contents:** along-track sea level height with respect to a seven year mean (1993-1999), corrected from all geophysical effects **Use:** study of ocean variability (mesoscale circulation, seasonal variations, El Niño…)						
NRT-SLA (Near Real Time Sea Level Anomalies) **Distributed by AVISO (Ssalto/Duacs)**	Using I-GDR input data for all missions Mono altimeter satellite products - Topex/Poseidon and ERS - Soon available for Jason-1 and Envisat (after validation phase)	- FTP (restricted access for recent data, open access for data older than 1 month by anonymous FTP at ftp.cls.fr in /pub/oceano/AVISO/NRT-SLA/res)	Twice a week : Wednesday and Saturday	7 days	August 2001 – ongoing	- 3 weeks of data per file - 2.5 MB per file
SSHA (Sea Surface Height Anomalies) **Distributed by PO.DAAC**	Along-track sea level height anomalies + Sigma-0, Significant Wave Height… Mono altimeter satellite product : - Topex/Poseidon (TPSHA) and Jason-1 (J1SSHA),	- FTP (cf. Near Real Time Image Distribution Server : http://nereids.jpl.nasa.gov)	-Every 3-days -Every 10-days		May 1997 – February 2003	- 10 days of data (a cycle) per file - 1.4 MB (zipped)

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Product Description	Characteristics / Comments	Distribution& Diffusion Media	Frequency	Time-delay	Data coverage	Size and granularity
Wind/Wave Data **Contents**: along-track significant wave height and/or wind speed modulus **Use:** marine meteorology, ocean-atmosphere gas transfer studies						
OSDR (Operational Sensor Data Record) **Distributed by AVISO**	Jason-1 On board orbit / DIODE navigator	- By anonymous FTP at ftp.spike.cst.cnes.fr in /pub/AVISO/JASON-1/OSDR	Every 2-hours	3 hours	January 2002 – ongoing	- 2 hours per file - 0.5 MB per file
OSDR (Operational Sensor Data Record) **Distributed by PO.DAAC**	Jason-1 On board orbit / DIODE navigator	- FTP (cf. Near Real Time Image Distribution Server : http://nereids.jpl.nasa.gov)	Every 3-hours	3 hours	January 2002 – ongoing	-2 hours per file -0,5 MB per file
Wind/Wave Quick Look data **Distributed by PO.DAAC**	- TOPEX/Poseidon's on-board tape recorders - JASON-1's on-board tape recorders	- FTP (cf. http://podaac.jpl.nasa.gov/topex/www/ql_index.html)	Every 8-hours (5h00, 13h00 and 21h00 UTC)	5 hours after telemetry is dowlinked from instrument	May 1997 – ongoing	- 8 hours of data per file - 1.4 MB (zipped)
Geophysical Data Records **Contents:** along-track altimetric measurement averaged over 1 second, corrections to apply **Use:** delayed precise products for geophysical studies and near real time products for operational oceanography						
I-GDR (Interim Geophysical Data Records) **Distributed by AVISO**	Topex/Poseidon and Jason-1 data	- By anonymous FTP at ftp.spike.cst.cnes.fr in /pub/AVISO/TOPEX_POSEIDON/IGDR_TGS or /pub/AVISO/JASON-1/IGDR **A few months on-line !**	Daily	2 or 3 days	October 1992 (T/P) or January 2002 (Jason-1) – ongoing	- One pass per file - 1,5 MB per file
I-GDR (Interim Geophysical Data Records) **Distributed by PO.DAAC**	Topex/Poseidon and Jason-1 data	- By anonymous FTP (cf. ftp://podaac.jpl.nasa.gov/pub)	Daily	2 or 3 days	October 1992 (T/P) or January 2002 (Jason-1) – ongoing	- One pass per file - 1,5 MB per file