

Available Satellite Sea Level Anomaly Imagery

Mati Kahru

WimSoft, <http://www.wimsoft.com>

Email: wim@wimsoft.com

also at

Scripps Institution of Oceanography

UCSD, La Jolla, CA 92093-0218, USA

mkahru@ucsd.edu

Satellite imagery of the ocean using different sources:

- **ocean color** (visible radiation spectrum),
- **Sea-surface Temperature (SST)** using both infrared and microwave radiance
- **Sea Surface Height (Altimetry)**
- Radar (SAR) backscatter
- **Sea Surface Height (SSH) or Sea Level Anomaly (SLA)** are especially suitable for making image loops as they are not blocked by cloud cover
- Multiple sources of Sea Surface Height or Sea Level Anomaly (SLA) data; the best is probably:
 - <ftp://ftpsedr.cls.fr/pub/oceano/AVISO/SSH/duacs/global/dt/upd/msla/merged/h/>
- Weekly maps of SLA merged from TOPEX/POSEIDON, Jason and ERS-1/2 created by SSALTO/DUACS and distributed by AVISO; starting from 1992; Copies of 2006 and 2007 data in *|Sat|altimetry|global_dt_ref_msla_merged_h*

Sea Level Anomalies in Eastern Central Pacific

- Weekly maps of Sea Level Anomaly (SLA) merged from TOPEX/POSEIDON, Jason and ERS-1/2 created by SSALTO/DUACS and distributed by AVISO; Data from:
 - <ftp://ftpsedr.cls.fr/pub/oceano/AVISO/SSH/duacs/global/dt/upd/msla/merged/h//>
- Anticyclonic eddies (positive SLA, sea level domes upwards, downwelling)
- Cyclonic eddies (negative SLA, sea level dips downward, upwelling)

