INIOAS

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https://www.inio.ac.ir/ORSA

Ocean Altimetry and Sea Level

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Pass Locator

- Download the Google Earth CFOSAT file
  (https://www.aviso.altimetry.fr/fileadmin/documents/data/tools/cfosat_trace_v2.1.kml)

- Download the txt file giving the UTC starting dates of each cycle
  (https://www.aviso.altimetry.fr/fileadmin/documents/data/tools/cfosat_cycles_t0_v4.txt)

- Open GoogleEarth Pro

- Add the CFOSAT file

- Find the Pass #1

- Find the pass time for a favorite location and time

- Open Topex/Poseidon, Jason-1/2/3 KMZ on GoogleEarth and review track number of you favorite location
- Open Saral, ERS-1/2, Envisat KMZ on GoogleEarth and review track number of you favorite location

- Other KMZ files available at https://www.aviso.altimetry.fr/en/data/tools/pass-locator.html

LIVE ACCESS SERVER (LAS)

- Open LAS (https://las.aviso.altimetry.fr/las/UI.vm)

- Select Sea Level Anomaly

- Select Date

- Update Map

- Define a Sub Area (Left-Side)

- Update Map

- Select Line Plot/Time (define Time Range)

- Update, Draw Time-Series

- Select 2 Plots and compare two different dates

- Select Hovmoller Plots and Compute the longitudinal variations across dates

ALTIMETRY DATA ANALYSIS USING BRAT

- Install BRAT (https://www.altimetry.info/)

- Run BRAT

- Create a new workspace

- Add a new Dataset called Jason_Along_Track

- Add another new Dataset called Jason_Gridded

- Add the file to the first dataset

  - *JA1_GPR_2PcP520_157_20121217_184634_20121217_194237.nc*

- Add the file to the first dataset

  - *dt_upd_global_merged_msla_h_20060705_20060705_20070110.nc*

- Open Operations Tab

- Create New Operation

ALTIMETRY DATA ANALYSIS USING BRAT

- Select Jason_Along_Track dataset

- Select Plot

- Drag Lon in X, and mean_sea_surface in Data

- Execute operation

- Select Map

- Drag Lon in Y

- Repeat Operation with MAP

- Repeat for Jason_GriddedCreate New Operation

Thank You