

Participant Exercise 2: ERDDAP

CoastWatch Long Island Sound Class – Tier 1

Exercise Instructions:

- 1) Choose a dataset from the list
- 2) On the server search: enter the Dataset ID
- 3) Use Make-a-Graph to make a map of your region of interest
- 4) Download what you made:
Choose an image format (.png)
Download the file
Email the image to coastwatch.info@noaa.gov
with subject: **CWTRAINING**
- 5) Use Make-a-Graph to make a time series or Hovmoller plot
for your region of interest and over a period of time
- 6) Download what you made:
Choose an image format (.png) or table format (.asc or .htmlTable)
Download the file
Email the image to coastwatch.info@noaa.gov
with subject: **CWTRAINING**

**IMPORTANT: The smaller the geographic area and shorter the time series
the shorter the wait time for the server to fill your request.**

ERDDAP Datasets for Use in Exercise

ERDDAP Server: <https://coastwatch.noaa.gov/erddap>

Note the server lists over 1,000 datasets. The datasets below are suitable for use in the Participant Exercise. Please choose one to conduct your exercise. ***Put the Dataset ID in the search box*** to go to that dataset.

If you'd like different data, see the next page.

Late Breaking Dataset Availability: Long Island Sound: Chl, CDOM, DOC, SPM Product

Dataset ID: noaacwappsS3ABcolorLISDaily

Chlorophyll:

Longer time range, coarser spatial resolution

- Chlorophyll (Gap-filled DINEOF), NOAA S-NPP NOAA-20 VIIRS and Copernicus S-3A OLCI, Science Quality, Global 2km, 2018-recent, Daily
- Dataset ID: noaacwNPPN20S3ASCIDINEOF2kmDaily

Finer spatial resolution, shorter time range

- Chlorophyll, Copernicus S-3A OLCI, Near Real-Time, Sector FI 300m, Level 3, 90 days ago - present, Daily
- Dataset ID: noaacwS3AOLCIchlSectorFIDaily

Turbidity/Light Attenuation (Kd490):

Gap-filled, coarser spatial resolution, shorter time range

- Kd490 (Gap-filled DINEOF), NOAA S-NPP NOAA-20 VIIRS and Copernicus S-3A OLCI, Science Quality, Global 2km, 2018-recent, Daily
- Dataset ID: noaacwNPPN20S3AkdSCIDINEOF2kmDaily

Not gap-filled, finer spatial resolution, longer time range

- Kd490, NOAA S-NPP VIIRS, Science Quality, 750m Sector VY, Daily
- Dataset ID: noaacwNPPVIIRSSCIkd490SectorVYDaily

Sea Surface Temperature:

Longer time range, coarser spatial resolution

- Sea Surface Temperature, NOAA Coral Reef Watch Daily Global 5km Satellite SST (CoralTemp), 1985-present, Daily
- Dataset ID: noaacrwsstDaily

Finer spatial resolution, shorter time range

- Sea-Surface Temperature, NOAA ACSPO Daily Global 0.02° Gridded Super-collated SST and Thermal Fronts Reanalysis, 2012-present, Daily (L3S-LEO degrees C)
- Dataset ID: noaacwLEOACSPoSSTL3SCDaily

Other ERDDAP servers to search:

CoastWatch

- CoastWatch West Coast Node <https://coastwatch.pfeg.noaa.gov/erddap/>
- CoastWatch Central Pacific Node <https://oceanwatch.pifsc.noaa.gov/erddap/>
- CoastWatch Caribbean/Gulf of America Node <https://cwcgom.aoml.noaa.gov/erddap/>
- CoastWatch Great Lakes Node <https://coastwatch.glerl.noaa.gov/erddap/>
- CoastWatch Central <https://coastwatch.noaa.gov/erddap/>

Other organizations (very small sampling)

- Southern California Coastal Ocean Observing System <http://sccoos.org/erddap/>
- Rutgers <http://tds.marine.rutgers.edu/erddap/>
- NOAA GEO-IDE UAF <https://upwell.pfeg.noaa.gov/erddap/>
- NCEI <https://www.ncei.noaa.gov/erddap/>
- French Research Institute <http://www.ifremer.fr/erddap/>
- Marine Institute Ireland <https://erddap.marine.ie/erddap/>

Two search engines to search multiple ERDDAP servers at many different institutions

(neither are comprehensive all ERDDAP servers)

[Search Multiple ERDDAPs](#) 

[ERDDAP Dataset Discovery](#) 