

Resource Summary Report

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National Oceanographic Data Center

RRID:SCR_002189

Type: Tool

Proper Citation

National Oceanographic Data Center (RRID:SCR_002189)

Resource Information

URL: <http://www.nodc.noaa.gov/>

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Description: Accepts and provides access to biology data, buoy data, chlorophyll, nutrients, ocean currents, oxygen, plankton, profile data, salinity, satellite data, sea level, snow and ice, temperature, waves. Please note that routine underway oceanographic shipboard data collected with standard equipment aboard the UNOLS fleet (e.g. CTD, ADCP, XBT, MET, TSG) are routinely transmitted to NODC via Rolling Deck to Repository (R2R). NODC Provides: * The World's largest collection of freely available oceanographic data * Water temperatures dating back to the late 1700's and measuring thousands of meters deep * A State of the Ocean Climate from NODC's Ocean Climate Lab and Satellite Team's scientific analyses * Scientific journals, rare books, historical photo collections and maps through the NOAA Central Library, a division of NODC * Data management expertise including metadata training through NODC's National Coastal Data Development Center

Abbreviations: NODC

Synonyms: National Oceanographic Data Center (NODC)

Resource Type: data or information resource, database, service resource, storage service resource, data repository

Keywords: oceanographic data, water temperature, ocean climate, marine, ocean

Funding: U.S. Department of Commerce

Availability: Free, Freely available

Resource Name: National Oceanographic Data Center

Resource ID: SCR_002189

Alternate IDs: nlx_154699

Record Creation Time: 20220129T080212+0000

Record Last Update: 20260808T185738+0000

Ratings and Alerts

No rating or validation information has been found for National Oceanographic Data Center.

No alerts have been found for National Oceanographic Data Center.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 31 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Gallardo MLÁ, et al. (2025) Squat lobster latitudinal life habitat shifts and metabolic response to combined temperature and oxygen conditions in the Humboldt Current System. Scientific reports, 15(1), 41981.

Bizberg-Barraza I, et al. (2024) Parental overproduction allows siblicidal bird to adjust brood size to climate-driven prey variation. Behavioral ecology : official journal of the International Society for Behavioral Ecology, 35(2), arae007.

Allegue H, et al. (2022) Sex, body size, and boldness shape the seasonal foraging habitat selection in southern elephant seals. Ecology and evolution, 12(1), e8457.

Villar-Muñoz L, et al. (2021) A cold seep triggered by a hot ridge subduction. Scientific reports, 11(1), 20923.

Mouriño-Carballido B, et al. (2021) Magnitude of nitrate turbulent diffusion in contrasting marine environments. Scientific reports, 11(1), 18804.

Thyrring J, et al. (2021) Global gradients in intertidal species richness and functional groups. eLife, 10.

Hossain MS, et al. (2020) Primary productivity connects hilsa fishery in the Bay of Bengal. Scientific reports, 10(1), 5659.

Jithin AK, et al. (2020) Role of internal tide mixing in keeping the deep Andaman Sea warmer than the Bay of Bengal. Scientific reports, 10(1), 11982.

Rueda-Bayona JG, et al. (2020) Modelling of surface river plume using set-up and input data files of Delft-3D model. *Data in brief*, 31, 105899.

Rueda-Bayona JG, et al. (2020) Set-up and input dataset files of the Delft3d model for hydrodynamic modelling considering wind, waves, tides and currents through multidomain grids. *Data in brief*, 28, 104921.

Proshutinsky A, et al. (2019) Analysis of the Beaufort Gyre Freshwater Content in 2003-2018. *Journal of geophysical research. Oceans*, 124(12), 9658.

Venugopal T, et al. (2018) Statistical Evidence for the Role of Southwestern Indian Ocean Heat Content in the Indian Summer Monsoon Rainfall. *Scientific reports*, 8(1), 12092.

MacIntosh CR, et al. (2017) Uncertainties in Steric Sea Level Change Estimation During the Satellite Altimeter Era: Concepts and Practices. *Surveys in geophysics*, 38(1), 59.

Hinojosa-Alvarez S, et al. (2016) A potential third Manta Ray species near the Yucatán Peninsula? Evidence for a recently diverged and novel genetic Manta group from the Gulf of Mexico. *PeerJ*, 4, e2586.

Dufois F, et al. (2016) Anticyclonic eddies are more productive than cyclonic eddies in subtropical gyres because of winter mixing. *Science advances*, 2(5), e1600282.

Boavida J, et al. (2016) Overlooked habitat of a vulnerable gorgonian revealed in the Mediterranean and Eastern Atlantic by ecological niche modelling. *Scientific reports*, 6, 36460.

Fernández-Castro B, et al. (2015) Importance of salt fingering for new nitrogen supply in the oligotrophic ocean. *Nature communications*, 6, 8002.

Ni G, et al. (2015) Population subdivision of the surf clam *Macra chinensis* in the East China Sea: Changjiang River outflow is not the sole driver. *PeerJ*, 3, e1240.

Belter CW, et al. (2014) Measuring the value of research data: a citation analysis of oceanographic data sets. *PloS one*, 9(3), e92590.

Villareal TA, et al. (2014) A comparison of the Pac-X trans-Pacific Wave Glider data and satellite data (MODIS, Aquarius, TRMM and VIIRS). *PloS one*, 9(3), e92280.