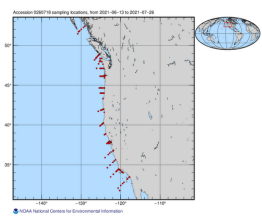




Dissolved inorganic carbon (DIC), total alkalinity (TA), pH, temperature, salinity, oxygen, and nutrient data collected from discrete profile measurements during the National Oceanic and Atmospheric Administration Ocean Acidification Program (OAP) program cruise WCOA2021 (EXPOCODE 33R020210613) in the northeast Pacific marine waters on NOAA Ship Ronald H. Brown from 2021-06-13 to 2021-07-26 (NCEI Accession 0260718)



Preview graphic

This dataset contains data collected from the National Oceanic and Atmospheric Administration Ocean Acidification Program cruise on NOAA Ship Ronald H. Brown from 2021-06-13 to 2021-07-26. 133 stations were occupied on 17 transect lines from Queen Charlotte Sound, Canada to southern California USA. The cruise was designed to obtain a synoptic snapshot of key carbon, physical, and other biogeochemical parameters as they relate to ocean acidification (OA) in coastal waters and large estuaries of the northeast Pacific. At all sampling stations, CTD casts were conducted to measure temperature, conductivity, pressure, and

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Dataset Citation
Dataset Identifiers
ISO 19115-2 Metadata

Theme keywords

NODC DATA TYPES THESAURUS

- [AMMONIUM \(NH4\)](#).
- [CHLOROPHYLL A](#)
- [DISSOLVED INORGANIC CARBON \(DIC\)](#).
- [DISSOLVED OXYGEN](#)
- [HYDROSTATIC PRESSURE](#)
- [LATITUDE](#)
- [LONGITUDE](#)
- [Methane \(CH4\)](#).
- [NITRATE](#)
- [NITRITE](#)
- [pH](#)
- [phosphate](#)
- [PHYTOPLANKTON](#)
- [SALINITY](#)
- [silicate](#)
- [total alkalinity](#).
- [WATER TEMPERATURE](#)

NODC OBSERVATION TYPES THESAURUS

- [biological](#)
- [chemical](#)
- [discrete sample](#)
- [physical](#)
- [profile](#)
- [survey - biological](#)

WMO_CategoryCode

- oceanography

Global Change Master Directory (GCMD) Science Keywords

- [EARTH SCIENCE > BIOLOGICAL CLASSIFICATION > PROTISTS > PLANKTON > PHYTOPLANKTON](#)
- [EARTH SCIENCE > OCEANS > OCEAN CHEMISTRY](#)
- [EARTH SCIENCE > OCEANS > OCEAN CHEMISTRY > ALKALINITY](#)
- [EARTH SCIENCE > OCEANS > OCEAN CHEMISTRY > AMMONIA](#)
- [EARTH SCIENCE > OCEANS > OCEAN CHEMISTRY > CHLOROPHYLL](#)
- [EARTH SCIENCE > OCEANS > OCEAN CHEMISTRY > INORGANIC CARBON](#)
- [EARTH SCIENCE > OCEANS > OCEAN CHEMISTRY > NITRATE](#)
- [EARTH SCIENCE > OCEANS > OCEAN CHEMISTRY > NITRITE](#)
- [EARTH SCIENCE > OCEANS > OCEAN CHEMISTRY > OXYGEN](#)
- [EARTH SCIENCE > OCEANS > OCEAN CHEMISTRY > PH](#)
- [EARTH SCIENCE > OCEANS > OCEAN CHEMISTRY > PHOSPHATE](#)
- [EARTH SCIENCE > OCEANS > OCEAN CHEMISTRY > SILICATE](#)
- [EARTH SCIENCE > OCEANS > OCEAN PRESSURE > WATER PRESSURE](#)
- [EARTH SCIENCE > OCEANS > OCEAN TEMPERATURE > WATER TEMPERATURE](#)
- [EARTH SCIENCE > OCEANS > SALINITY/DENSITY > SALINITY](#)

OCADS Study Type

- Discrete measurement
- Profile

Provider Variable Abbreviations

- AMMONIUM_UMOL_KG
- BACTERIA
- BACTERIA_HNA
- BACTERIA_LNA
- CARBONATE_UMOL_KG
- CAST_Number
- CHL_A_UG_L_GFF
- CRYPTOPHYTE
- CTDOXYGEN_UMOL_KG
- CTDPRESSURE_DBAR
- CTDSAL_PSS78
- CTDTMP_ITS90_DEG_C
- DAY_UTC
- DEPTH_BOTTOM_METER
- DIC_UMOL_KG
- EUK_PHYTOPLANKTON
- LARGE_DIATOM
- LATITUDE_DECIMAL
- LONGITUDE_DECIMAL
- Line_ID
- MONTH_UTC
- Methane_CH4
- NISKIN_ID
- NITRATE_UMOL_KG
- NITRITE_UMOL_KG
- OXYGEN_MG_L
- PHOSPHATE_UMOL_KG
- PH_TOT_MEA
- Rosette_Position

	<ul style="list-style-type: none"> SALINITY_PSS78 SAMPLE_ID SILICATE_UMOL_KG STATION_ID SYNECHOCOCCUS Section_ID TA_UMOL_KG TIME_UTC YEAR_UTC
Data Center keywords	<p><i>NODC COLLECTING INSTITUTION NAMES THESAURUS</i></p> <ul style="list-style-type: none"> NOAA Northwest Fisheries Science Center NOAA Pacific Marine Environmental Laboratory University of South Florida University of Washington <p><i>NODC SUBMITTING INSTITUTION NAMES THESAURUS</i></p> <ul style="list-style-type: none"> NOAA Pacific Marine Environmental Laboratory <p><i>Global Change Master Directory (GCMD) Data Center Keywords</i></p> <ul style="list-style-type: none"> DOC/NOAA/NMFS/NWFSC > Northwest Fisheries Science Center, National Marine Fisheries Service, NOAA, U.S. Department of Commerce DOC/NOAA/OAR/PMEL > Pacific Marine Environmental Laboratory, OAR, NOAA, U.S. Department of Commerce
Platform keywords	<p><i>NODC PLATFORM NAMES THESAURUS</i></p> <ul style="list-style-type: none"> NOAA Ship Ronald H. Brown <p><i>Global Change Master Directory (GCMD) Platform Keywords</i></p> <ul style="list-style-type: none"> Ships <p><i>ICES/SeaDataNet Ship Codes</i></p> <ul style="list-style-type: none"> Ronald H. Brown (call sign: WTEC, ICES code: 33RQ, 1997-)
Instrument keywords	<p><i>NODC INSTRUMENT TYPES THESAURUS</i></p> <ul style="list-style-type: none"> bottle conductivity sensor CTD oxygen sensor thermistor <p><i>Global Change Master Directory (GCMD) Instrument Keywords</i></p> <ul style="list-style-type: none"> CONDUCTIVITY METERS > CONDUCTIVITY METERS CTD > Conductivity, Temperature, Depth OXYGEN METERS > OXYGEN METERS THERMISTORS > THERMISTORS
Place keywords	<p><i>NODC SEA AREA NAMES THESAURUS</i></p> <ul style="list-style-type: none"> Channel Islands National Marine Sanctuary Coastal Waters of Southeast Alaska and British Columbia Columbia River estuary - Washington/Oregon Greater Farallones National Marine Sanctuary Monterey Bay National Marine Sanctuary North Pacific Ocean Olympic Coast National Marine Sanctuary <p><i>Global Change Master Directory (GCMD) Location Keywords</i></p> <ul style="list-style-type: none"> OCEAN > PACIFIC OCEAN > NORTH PACIFIC OCEAN <p><i>Provider Geographic Names</i></p> <ul style="list-style-type: none"> British Columbia California Current Ecosystem Canada North American Pacific Coast Olympic Coast National Marine Sanctuary Southern California Bight U.S. West Coast

Project keywords	<p><i>NODC PROJECT NAMES THESAURUS</i></p> <ul style="list-style-type: none">Ocean Carbon and Acidification Data System (OCADS) <p><i>Cruise ID</i></p> <ul style="list-style-type: none">WCOA2021 <p><i>EXPOCODE</i></p> <ul style="list-style-type: none">33RO20210613 <p><i>Ocean Acidification Search Keywords</i></p> <ul style="list-style-type: none">Ocean Acidification Program (OAP)Ocean Carbon and Acidification Data System (OCADS) Project <p><i>Reference Section ID</i></p> <ul style="list-style-type: none">COASTAL: 17 separate sections each with a unique identifier <p><i>Research Projects</i></p> <ul style="list-style-type: none">NOAA Ocean Acidification Observing NetworkPMEL Sustained Ocean Acidification Large-Scale Survey Observations
Keywords	<p><i>NCEI ACCESSION NUMBER</i></p> <ul style="list-style-type: none">0260718

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