

Ocean Networks Canada

Metadata for NortheastPacificOcean_ClayoquotSlope_variables_SeafloorPressure

- [Identification Information](#)
- [Data Quality Information](#)
- [Spatial Data Information](#)
- [Spatial Reference Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Information](#)

Identification Information

Citation

Citation Information

Origin: Ocean Networks Canada Data Archive

Publication Date: 2016-Sep-13 UTC

Publication Time: 15:27:04 UTC

Title: NortheastPacificOcean_ClayoquotSlope_variables_SeafloorPressure

Geospatial Data Presentation Form: Time Series Scalar Data - MAT

Publication Information: [See Data Policy](#) at oceannetworks.ca

Online Link: <http://www.oceannetworks.ca/>

Other Citation: [See How to Cite Us](#) at oceannetworks.ca

Description

Abstract: [Ocean Networks Canada](#) operates numerous ocean observing systems to support marine research, to monitor ocean properties, and assess marine environmental conditions. Data flow from various infrastructure facilities including submarine cabled observatories, land-based marine monitoring stations, and various mobile platforms to a central hierarchical data archive. Access to the data is provided over the Internet using a variety of tools ranging from web site interfaces to low-level automatic web services.

Purpose: To support scientific study of the ocean through web-accessible real-time measurements and high temporal resolution long-term observations.

Supplemental Information:

DMAS Search ID: 3630679

Search Type:

Data Search Dates: 2011-01-01 00:00:00 to 2011-12-31 23:59:59 UTC

Time Period

Time Information

Date Range of data

Beginning Date: 2011-01-01 UTC

Beginning Time: 00:00:00 UTC

Ending Date: 2011-12-31 UTC

Ending Time: 23:59:58 UTC

Status

Maintenance and Update Frequency: Ocean Networks Canada data are updated in near real-time. See data annotations ([Device 1](#)) for dates and times of data interruptions.

Progress: Ocean Networks Canada data will be continually available to the user in near real-time. See data annotations ([Device 1](#)) for dates and times of data interruptions.

Spatial Domain

Bounding Coordinates

Bounding Coordinate West: -126°50.8779'

Bounding Coordinate East: -126°50.8779'

Bounding Coordinate North: 48°40.2501'

Bounding Coordinate South: 48°40.2501'

Keywords

Theme

Theme Keyword Thesaurus: ISO 19115 Topic Category

Theme Keyword: Oceans, 014: Water properties of saltwater bodies.

Place

Place Keyword Thesaurus:

Place Keyword: Station: Location 1 = Ocean Networks Canada -> Pacific -> Northeast Pacific Ocean -> Clayoquot Slope -> Bullseye

Stratum

Stratum Keyword Thesaurus:

Stratum Keyword: Northeast Pacific Ocean is situated at depth: Site 1 = 1258m

Temporal

Temporal Keyword Thesaurus:

Temporal Keyword: Ocean Networks Canada started collecting data in February 2006.

Access Constraints: [See Data Policy](#) at oceannetworks.ca

Use Constraints: [See Data Policy](#) at oceannetworks.ca

Point of Contact

Contact Information

Contact Address

Address Type: Physical Address

Address: University of Victoria Technology Enterprise Facility 2300 McKenzie Avenue

City: Victoria

Province: British Columbia

Postal: V8P 5C2

Country: Canada

Address Type: Mailing Address

Address: University of Victoria, PO Box 1700, STN CSC

City: Victoria

Province: British Columbia

Postal: V8W 2Y2

Country: Canada

Phone: 250-472-5400

Fax: 250-472-5370

Contact Email: info@oceannetworks.ca

Hours: Mon-Fri 830am-430pm PDT (Closed Holidays)

Instructions: Please include: Your name, Contact information, and DMAS Search ID: 3630679

Data Set Credit

You must acknowledge the source: Ocean Networks Canada. See [how to cite us](#) and [Data Policy](#) at oceannetworks.ca

Data Quality Information

Data quality information if available is listed as data annotations online at dmas.uvic.ca. ([Sensor 1.1](#)). Ocean Networks Canada is working to expand the coverage of our advanced Quality Analysis/Quality Control (QAQC) of data. QAQC flags appear in most data products.

Attribute Accuracy

Attribute Accuracy Report: Devices are routinely calibrated and instruments measure within the manufacturer's specifications unless otherwise noted.

Logical Consistency Report

Overall quality flag assigned to each data sample (Ocean Data View (ODV) spreadsheet txt files have a different numbering scheme):

QAQC Flag Value = 0: no quality control applied to data

QAQC Flag Value = 1: data quality controlled and deemed good

QAQC Flag Value = 2: data quality controlled and probably good

QAQC Flag Value = 3: data quality controlled and probably bad

QAQC Flag Value = 4: data quality controlled and deemed bad

QAQC Flag Value = 6: insufficient amount of valid data for reliable down-sampling (less than 70% of expected)

QAQC Flag Value = 7: averaged value (good data only)
QAQC Flag Value = 8: interpolated value (good data only)
QAQC Flag Value = 9: missing value: NaN

Quality control information for 1 device(s):

DEVICE: NRCan Bottom Pressure Recorder 88 : Seafloor Pressure

AUTOMATIC QA/QC TEST: 1

DESCRIPTION: Clayoquot Slope Bullseye Station Total Pressure Range Test
QA/QC TEST 1
EFFECTIVE DATE FROM: 2014-06-07T00:00:00.000Z to 2016-09-13T15:27:07.459Z
LEVEL: Station
FORMULA: $x \geq S700 \ \&\& \ x \leq S701$

AUTOMATIC QA/QC TEST: 2

DESCRIPTION: Clayoquot Slope Bullseye Station Temperature Range Test
QA/QC TEST 2
EFFECTIVE DATE FROM: 2014-02-08T00:00:00.000Z to 2016-09-13T15:27:07.459Z
LEVEL: Station, Derived
FORMULA: $x \geq S700 \ \&\& \ x \leq S701$
QA/QC TEST 3
EFFECTIVE DATE FROM: 2000-01-01T00:00:00.000Z to 2016-09-13T15:27:07.459Z
LEVEL: Manual

AUTOMATIC QA/QC TEST: 4

DESCRIPTION: BPR_889 Instrument Housing Temperature Range Test
QA/QC TEST 4
EFFECTIVE DATE FROM: 2014-06-11T00:00:00.000Z to 2016-09-13T15:27:07.459Z
LEVEL: Instrument, Derived
FORMULA: $x \geq A629 \ \&\& \ x \leq A630$

AUTOMATIC QA/QC TEST: 5

DESCRIPTION: BPR_889 Instrument Seafloor Pressure Range Test
QA/QC TEST 5
EFFECTIVE DATE FROM: 2014-06-11T00:00:00.000Z to 2016-09-13T15:27:07.459Z
LEVEL: Instrument
FORMULA: $x \geq A629 \ \&\& \ x \leq A630$

Completeness Report

Report on the completeness of the raw data for date range from 2011-01-01 00:00:00 to 2011-12-31 23:59:59

Raw data are available from 2011-01-01 00:00:00 to 2011-12-31 23:59:58 for Sensor: Seafloor Pressure

Data Availability Statistics

Total raw samples: 30791999; Expected samples: 31535998; Percentage: 97.64% for Sensor: Seafloor Pressure

See data availability plot <http://dmias.uvic.ca/DataAvailabilityPlot?SearchId=3630679>

Data Gaps

The largest datagaps are listed below

Gap from 2011-02-01 16:25:59 to 2011-02-01 18:17:46. Length = 111 minutes for Sensor: Seafloor Pressure
Gap from 2011-02-02 16:03:04 to 2011-02-03 00:24:43. Length = 501 minutes for Sensor: Seafloor Pressure
Gap from 2011-04-05 09:16:48 to 2011-04-05 14:31:53. Length = 315 minutes for Sensor: Seafloor Pressure
Gap from 2011-05-17 23:59:59 to 2011-05-18 23:53:08. Length = 1433 minutes for Sensor: Seafloor Pressure
Gap from 2011-07-29 20:11:55 to 2011-07-29 20:56:30. Length = 44 minutes for Sensor: Seafloor Pressure
Gap from 2011-08-03 14:39:33 to 2011-08-03 23:15:01. Length = 515 minutes for Sensor: Seafloor Pressure
Gap from 2011-08-19 15:44:08 to 2011-08-19 17:04:05. Length = 79 minutes for Sensor: Seafloor Pressure
Gap from 2011-09-20 14:10:55 to 2011-09-21 00:25:15. Length = 614 minutes for Sensor: Seafloor Pressure
Gap from 2011-09-27 16:08:25 to 2011-09-27 21:47:14. Length = 338 minutes for Sensor: Seafloor Pressure
Gap from 2011-11-13 22:02:59 to 2011-11-14 18:23:00. Length = 1220 minutes for Sensor: Seafloor Pressure

Positional Accuracy

Horizontal Accuracy

Horizontal Positional Accuracy Value: 1% of water depth

Horizontal Positional Accuracy Explanation: Accuracy is assessed from GPS and acoustic information from ROPOS, Canadian Scientific Submersible Facility.

Vertical Accuracy

Vertical Positional Accuracy Value: 1 meter

Vertical Positional Accuracy Explanation: Accuracy is assessed from pressure and acoustic information from ROPOS, Canadian Scientific Submersible Facility.

Lineage

Source Information:

Device 1 : NRCan Bottom Pressure Recorder 88 (DeviceID: 22503)

Sensor 1.1 : Seafloor Pressure (SensorID: 4191)

Source Citation:

Device 1 Details : <http://dmas.uvic.ca/DeviceListing?DeviceId=22503>

Instrument 1 Details : <http://wiki.oceannetworks.ca/display/instruments/22503>

Source Type: Online

Process Step: <http://wiki.oceannetworks.ca/display/DP/1>

Spatial Data Organization

Indirect Spatial Reference: Location 1 = Ocean Networks Canada -> Pacific -> Northeast Pacific Ocean -> Clayoquot Slope -> Bullseye

Direct Spatial Reference: Point

Point and Vector Object Information

SDTS Point and Vector Object Type

SDTS Point and Vector Object Type: Entity Point

Point and Vector Object Count: 1

Spatial Reference Information

Horizontal Coordinate System Definition

Geographic

Geographic Coordinate Units: Degrees and decimal minutes

	Latitude	Longitude
Site 1 =	48°40.2501'	-126°50.8779'

Vertical Coordinate System Definition

Depth System Definition

Depth Datum Name: Mean sea level

Depth Distance Units: Meters

Depth:

Site 1 = 1258.0 meters

Entity and Attribute Information

Detailed Description

Entity Type

Entity Type Label: Oceans, 014: Water properties of saltwater bodies.

Entity Type Definition: Water properties for this location contain data from 1 device(s) at 1 site(s). See overview for a description of site(s), device(s), sample interval(s) and sample rate(s).

Attribute

Attribute Label: Seafloor Pressure

Attribute Definition: Seafloor Pressure

Attribute Units: decibar

Attribute Beginning Date: 2011-01-01 00:00:00

Attribute Ending Date: 2011-12-31 23:59:58

Overview Description

Overview:

Station names, Sites names, dates and times: (all times in UTC)

Station: Northeast Pacific Ocean

Sub-Station: Clayoquot Slope

Site 1 = Bullseye_BPR_2009-09: From 2011-01-01 00:00:00 To 2011-12-31 23:59:59

Device names, dates and times: (all times in UTC)

Device 1 = NRCan Bottom Pressure Recorder 88: From 2011-01-01 00:00:00 To 2011-12-31 23:59:59

Sensor names, dates and times: (all times in UTC)

Sensor 1.1 = Seafloor Pressure: 2011-01-01 00:00:00 to 2011-12-31 23:59:59

Sample Rates, dates and times: (all times in UTC)

Sample Period 1.1 = 1s from 2007-01-01 00:00:00 to 2016-09-13 14:50:05

Additional Site Information:

Site 1 = Bullseye_BPR_2009-09: No additional information for this site

Additional Device Information:

Device 1 = NRCan Bottom Pressure Recorder 88: No additional information for this device

Additional Sensor Information:

Sensor 1.1 = Seafloor Pressure. No additional information for this sensor.

Distribution Information

Distribution Liability: [See Data Policy](#)

Standard Order Process

Non-Digital Form: Data packages may be assembled upon request

Digital Form: Accessible online at <http://www.oceannetworks.ca/>

Fees: Fees may apply to for-profit usage of data. Contact Ocean Networks Canada for more information.

Custom Order Process: Contact Ocean Networks Canada, info@oceannetworks.ca, for custom orders

Metadata Information

Metadata Date: 2016-09-13

Metadata Review Date: 2012-04-18

Contact Information

Contact Organization: Ocean Networks Canada

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Fax: 250-472-5370

Contact Email: info@oceannetworks.ca

Metadata Standard Name: [FGDC Content Standards for Digital Geospatial Metadata](#)

Metadata Standard Version: [FGDC-STD-001-1998](#)