

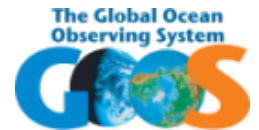
OTN Data/Tools Access



Lenore Bajona

September 11, 2014

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Social Sciences and Humanities
Research Council of Canada

Conseil de recherches en
sciences humaines du Canada

Canada

OTN Google Earth KMZ

OTN Members Portal

HOME DATA

You are here: Home > Discovery

HowTo navigate OTN
discovery metadata

OTN GoogleEarth KMZ

Google Earth Network Links to OBIS schema formatted data products from OTN Geoserver including: resource metadata, station locations, detections and tracks. Click this link for direct download to local Google Earth.

Global Ocean

All Public Data Other pages: Collaboration Groups, Collaboration Types, Collections, Contacts, Countries, Data

Title	Collection Code: GLOBAL Short Name: Global Ocean Long Name: Ocean Tracking Network
Citation	Ocean Tracking Network Global Metadata and Data Atlas Retrieved: September 02, 2010
Status	Ongoing,
Related Collections	Includes: Groups: ATAP, DFOCanada, GLFC, OTNCanada, OTNGlobal, POST, UI GLOBAL, GREATLAKES, MEDITERRANEAN, MIDPACIFIC, NEATLANTIC, NEPAC SEPAIFIC, SOUTH PACIFIC
Taxonomic Coverage	Scientific Name(s) Acipenser transmontanus Anguilla rostrata, A. marmorata Carcharodon carcharias Enteroctopus dohrni Homarus americanus Myoxocephalus quadricornis Oncorhynchus keta Ophiodon elongatus Pomadasys commersonnii Reinhardtius hippocampoides Salvelinus malma, S. leucomaenis Thunnus thynnus, T. albacurus Arctic cod, Arctic skate Black spot seabream Dolly Varden char, Arctic char Atlantic Pacific octopus

members.oceantrack.org/etc/ae/OceanTrackingNetwork.kmz

SBX: OTN Strait of Belle Isle

IFS2: OTN Canada Atlantic Salmon Kelt DST ...

JDE: OTN Canada American Eel Tracking ...

BQGSL: Buoys Of Opportunity - Gulf of ...

CBS: OTN Cabot Strait Line

BDL: OTN Bras d'Or Lakes Array

MPS: OTN Minas Passage Line

ANT: Sea-Run Brook Trout, Antigonish ...

WRS: NS Southern Upland Salmon Tagging

SIA: OTN Sable Island Array

GPZ: Gliderpalooza

Legend:

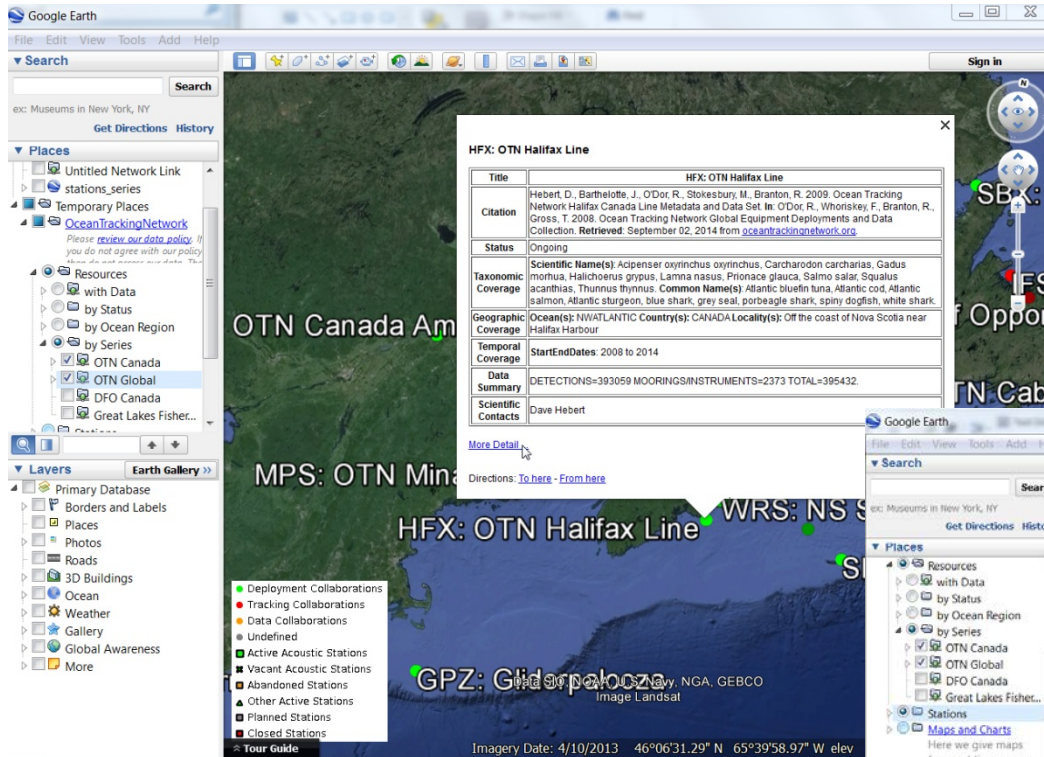
- Deployment Collaborations
- Tracking Collaborations
- Data Collaborations
- Undefined
- Active Acoustic Stations
- Vacant Acoustic Stations
- Abandoned Stations
- Other Active Stations
- Planned Stations
- Closed Stations

Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat
Image IBCAO

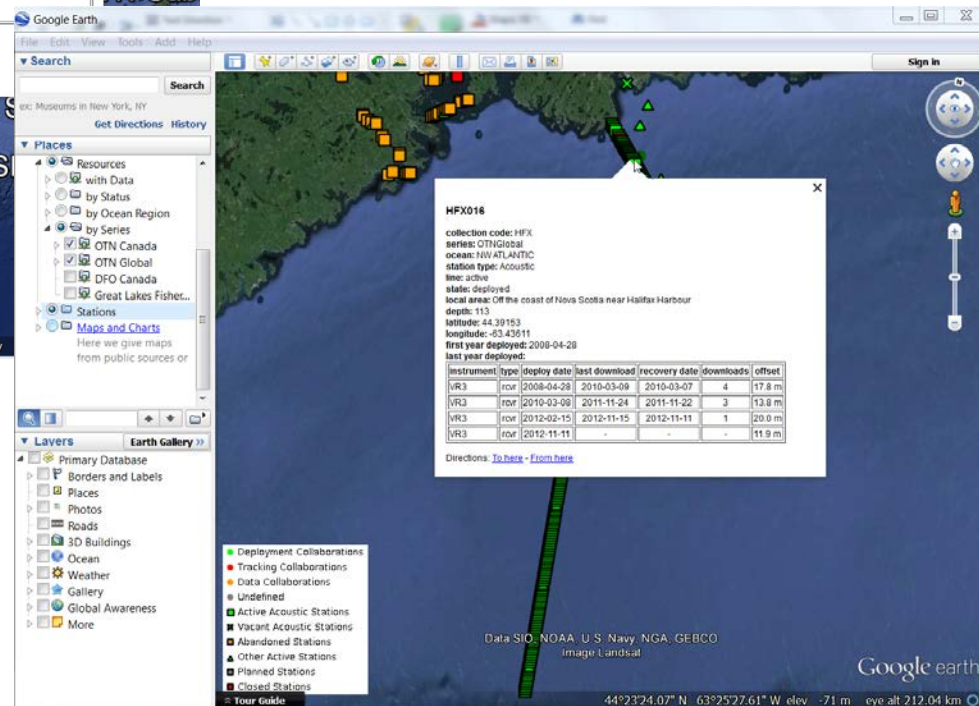
Selected OTN Canada
and OTN Global

OTN Google Earth KMZ

Project/Collection Metadata



Station Metadata



Clicking More Details ... will link back to selected Project HTML metadata page on Members site.

Public Links

Other pages: for example Collaboration Groups, Collections, Contacts

The screenshot shows the 'bycollaborator.htm' page. The header includes the Dalhousie University logo, 'OTN Members Portal', and 'OCEAN TRACKING NETWORK'. A search bar is present with a 'Log in' button. The breadcrumb trail reads 'You are here: Home > Discovery > bycollaborator.htm'. The main content area is titled 'bycollaborator.htm' and includes a list of collaborators. The left sidebar contains navigation links such as 'HowTo navigate OTN', 'OTN GoogleEarth KMZ', and 'Discovery'. The 'Collaborator:' section lists:

- 1. ATAP
 - 1. SEATLANTIC
 - 1. OCRSA: Ocean Regions
 - 2. WINDIAN
 - 1. ABR5: Algoa Bay
 - 2. BRFT: Breede
 - 3. DCDK: Dwesa
 - 4. GEFT: Goukou
 - 5. KZNSB: KZNSB
 - 6. POZS: Ponta
 - 7. SAIAB: SAIAB
 - 8. SSST: Shark
 - 9. TZWS: Thres
 - 2. DFOCanada

The screenshot shows the 'bycollection.htm' page. The header and navigation elements are consistent with the previous page. The breadcrumb trail reads 'You are here: Home > Discovery > bycollection.htm'. The main content area is titled 'bycollection.htm' and includes a list of collection codes. The left sidebar is identical to the previous page. The 'Collectioncode:' section lists:

- 1. ABC: West River, Sheet Harbour, Brook Trout
- 2. ABR5: Algoa Bay raggedtooth shark tracking
- 3. ACB: OTN Arctic: Cambridge Bay Array
- 4. ACS: OTN Arctic: Cumberland Sound Array
- 5. ACSK: Carlie Tags
- 6. ADM: Admiralty Inlet Puget Sound
- 7. ALS: OTN Arctic: Lancaster Sound Array
- 8. ALSEA: ALSEA
- 9. ANDRW: Andrews Tags
- 10. ANT: Sea-Run Brook Trout, Antigonish Harbour, NS
- 11. ASF: Atlantic Salmon Federation
- 12. ASI: OTN Arctic: Scott Inlet Array
- 13. AZR: OTN Azores Array
- 14. BALF: Balffy Tags

The screenshot shows the 'bycontact.htm' page. The header and navigation elements are consistent with the previous pages. The breadcrumb trail reads 'You are here: Home > Discovery > bycontact.htm'. The main content area is titled 'bycontact.htm' and includes a list of contacts. The left sidebar is identical to the previous pages. The 'Contacts:' section lists:

- Principal Investigator*, Custodian**, Point of Contact***, Researcher****
- 1. Aaresrup, Kim - kaa@oquid.dtu.dk
- 1. VZLNR: OTN VR2W Loan - Norway *** - Type=Deployment, Records=2042985, LastModifiedDate=2013-03-04
- 1. Abascal, Francisco - francisco.abascal@ca.kno.es
 - 1. SGB: OTN Strait of Gibraltar Line *** - Type=Deployment, Records=336642, LastModifiedDate=2013-08-16
- 3. Afonso, Pedro - afonso@uaac.pt >>>
- 1. AZR: OTN Azores Array * - Type=Deployment, Records=209964, LastModifiedDate=2013-04-03
- 4. Aguilari, Alex - aaguilari@ub.edu
 - 1. SGB: OTN Strait of Gibraltar Line *** - Type=Deployment, Records=336642, LastModifiedDate=2013-08-16
- 5. Alfredden, Jo Arve - Jo.Arve.Alfredden@itk.ntnu.no
 - 1. VZLNR: OTN VR2W Loan - Norway *** - Type=Deployment, Records=2042985, LastModifiedDate=2013-03-04
- 6. Amiro, Peter - peter.amiro@dto-mpo.gc.ca >>>
- 1. LHV: Lillave River: Salmon tagging * - Type=Tracker, Records=40, LastModifiedDate=2013-07-30
- 7. Ammann, Arnold - arnold.ammann@gmail.com
 - 1. REYES: Point Reyes * - Type=Deployment, Records=20691, LastModifiedDate=2013-09-10
- 8. Andrews, Kelly - kelly.andrews@noaa.gov
 - 1. ADM: Admiralty Inlet Puget Sound * - Type=Deployment, Records=70212, LastModifiedDate=2013-09-10
 - 2. ANDRW: Andrews Tags * - Type=Tracker, Records=391, LastModifiedDate=2013-09-09

Public Links

Embedded Links, for example from Collection page to Species list and then to WoRMS.

The screenshot shows the OTN Members Portal website. The header includes the Dalhousie University logo, the OTN Members Portal title, and the Ocean Tracking Network logo. A search bar is located in the top right corner. The main content area displays the title "OTN Strait of Juan de Fuca Line" and a list of related species. The species list includes links to WoRMS for "lake sturgeon" and "green sturgeon". The WoRMS logo and "World Register of Marine Species" text are visible in the bottom right corner of the screenshot.

OTN Strait of Juan de Fuca Line

Title Collection Code: JDF. **Short Name:** OTN Strait of Juan de Fuca Line. **Long Name:** Ocean Tracking Network Strait of Juan de Fuca Line (POST project id: 125).

Citation Hinch, S., 2012. Ocean Tracking Network Strait of Juan de Fuca Line Metadata and Data Set (POST: Welch, D., 2004). In: O'Dor, R., Whoriskey, F., Branton, R., Gross, T. 2008. Ocean Tracking Network Global Equipment Deployments and Data Collection. **Retrieved:** November 20, 2013 from oceantrackingnetwork.org.

Status Ongoing.

Related Collections **Included In:** GLOBAL, NEPACIFIC OTNGlobal. **Has Detected:** ANDRW, BALF, BEAM, BISH, BRJKN, CNNR, DION, ERKSN, FRSH, GOETZ, GUIL, HNCH, HODG, KLIM, KNTM, LIND, MLNCHK, MMS, MOSER, PFLG, PSS2, VNCNT, VOGL, WOOD, YRK.

Taxonomic Coverage **Scientific Name(s):** *Acipenser medirostris*, *Hexanchus griseus*, *Hydrolagus collieri*, *Oncorhynchus clarki*, *Oncorhynchus keta*, *Oncorhynchus kisutch*, *Oncorhynchus mykiss*, *Oncorhynchus nerka*, *Oncorhynchus tshawytscha*, *Squalus acanthias*. **Common Name(s):** Chinook salmon, chum salmon, coastal cutthroat trout, Coho salmon, green sturgeon, sixgill shark, sockeye, kokanee, so Species: more info >>>

Geographic Coverage

- 1. lake sturgeon [WoRMS](#)
- 1. LSB: St. Lawrence River Striped Bass - Type=Tracker, Records=288, LastModified=2013-03-29
- 2. *Acipenser medirostris* [WoRMS](#)
- 1. green sturgeon [WoRMS](#)
- 1. ADM: Admiralty Inlet Puget Sound - Type=Deployment, Records=720
- 2. BOOONC: Buoys of Opportunity - ONC - Type=Deployment, Records=53839, LastModified=2013-08-08
- 3. BRKS: Brooks Peninsula - Type=Deployment, Records=53839, LastModified=2013-08-08
- 4. CASC: Cascade Head, OR - Type=Deployment, Records=42434, LastModified=2013-08-08
- 5. COLR: Columbia River - Type=Deployment, Records=2672909, LastModified=2013-08-08
- 6. CPELIZ: Cape Elizabeth line - Type=Deployment, Records=23276, LastModified=2013-08-08
- 7. DION: Dionne Tags - Type=Tracker, Records=620, LastModified=2013-08-08
- 8. ERKSN: Erickson Tags - Type=Tracker, Records=116, LastModified=2013-08-08
- 9. GRAVES: Graves Harbor Icy Strait - Type=Deployment, Records=143, LastModified=2013-08-08
- 10. GUIL: Guillen Tags - Type=Tracker, Records=48, LastModified=2012-07-17
- 11. JDF: OTN Strait of Juan de Fuca ... - Type=Deployment, Records=132, LastModified=2013-08-08
- 12. KEOG: Keogh River - Type=Deployment, Records=375203, LastModified=2013-08-08
- 13. KLIM: Klimley Tags - Type=Tracker, Records=920, LastModified=2013-08-08
- 14. LIND: Lindley Tags - Type=Tracker, Records=216, LastModified=2012-07-17
- 15. LIPPY: Lippy Point (W Vancouver Island) - Type=Deployment, Records=1, LastModified=2013-08-08

WoRMS World Register of Marine Species

WoRMS taxon details

Acipenser medirostris Ayres, 1854

AphID: 271695

Classification: [Biota](#) > [Animalia](#) (Kingdom) > [Chordata](#) (Phylum) > [Vertebrata](#) (Subphylum) > [Gnathostomata](#) (Superclass) > [Pisces](#) (Superclass) > [Actinopterygii](#) (Class) > [Acipenseriformes](#) (Order) > [Acipenseridae](#) (Family) > [Acipenserinae](#) (Subfamily) > [Acipenser](#) (Genus)

Status accepted

Rank Species

Parent [Acipenser Linnaeus, 1758](#)

Synonymised taxa [Acipenser acutirostris Ayres, 1854](#)



Sources basis of record (from synonym) FishBase, version december 2007, available online at <http://www.fishbase.org> [view taxon]

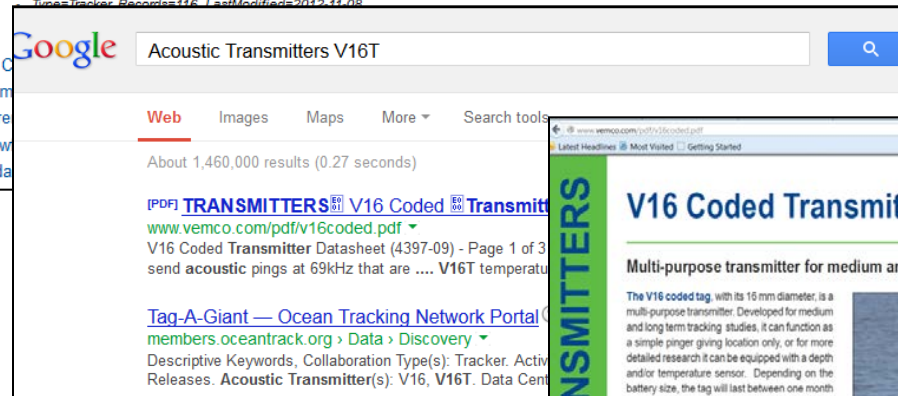
Vernacular Names English [green sturgeon](#) [details]

Public Links

Embedded Links, for example from Keywords/Instrument Types to Instrument list, to Google and then to Manufacturer.

	Google	n = 10	Tagging Locations - 10				
Temporal Coverage	StartEndDates: 2008-09-23 to 2012-10-09 - DateLastModified: 2012-11-08						
Data Summary	Activity Summary	2008	2009	2010	2011	2012	Totals
	Acoustic Tags Released	2	9	4	21	21	57
	TAG Tag Detection Summary: Released=57, Detected=43, TotalDetections=3891, DateLastDetected: 2012-12-01. Basis Of Record Summary: ANIMALS: TOTAL=57. MOORINGS/INSTRUMENTS: AnimalTransmitters=59 TOTAL=59. GRANDTOTAL=116.						
Institutions	Primary: Stanford U, Secondary: ASF, DAL, DAL-DFO-BIO, DFO-BIO, DFO-MLI.						
Descriptive Keywords	Collaboration Type(s): Tracker. Activity(s): Acoustic Tag Releases. Acoustic Transmitter(s): V16, V16T.						
Data Centre	Stanford University						

11. V16T 
 1. ACSK: Carlie Tags - Type=Tracker, Records=49, LastModified=2012-06-08
 2. TAG: Tag-A-Giant - Type=Tracker, Records=116, LastModified=2012-11-08
12. V16TP 
 1. ACS: OTN Arctic C
 2. ASF: Atlantic Salm
 3. GEERG: St. Lawre
 4. JBC: DFO NE New
 5. MPD: OTN Canada



Google Acoustic Transmitters V16T

Web Images Maps More Search tools

About 1,460,000 results (0.27 seconds)

[PDF] TRANSMITTERS V16 Coded Transmitter
www.vemco.com/pdf/v16coded.pdf

V16 Coded Transmitter Datasheet (4397-09) - Page 1 of 3
send acoustic pings at 69kHz that are V16T temperatu

Tag-A-Giant — Ocean Tracking Network Portal
members.oceantrack.org > Data > Discovery

Descriptive Keywords, Collaboration Type(s): Tracker. Activ
Releases. Acoustic Transmitter(s): V16, V16T. Data Cent



TRANSMITTERS

V16 Coded Transmitter

Multi-purpose transmitter for medium and large species

The V16 coded tag, with its 16 mm diameter, is a multi-purpose transmitter. Developed for medium and long term tracking studies, it can function as a simple pinger giving location only, or for more detailed research it can be equipped with a depth and/or temperature sensor. Depending on the battery size, the tag will last between one month and several years and give a transmission range in excess of several hundred meters (this varies significantly with environmental conditions). Given its size, the coded V16 tag is best suited for studies involving medium to large species.

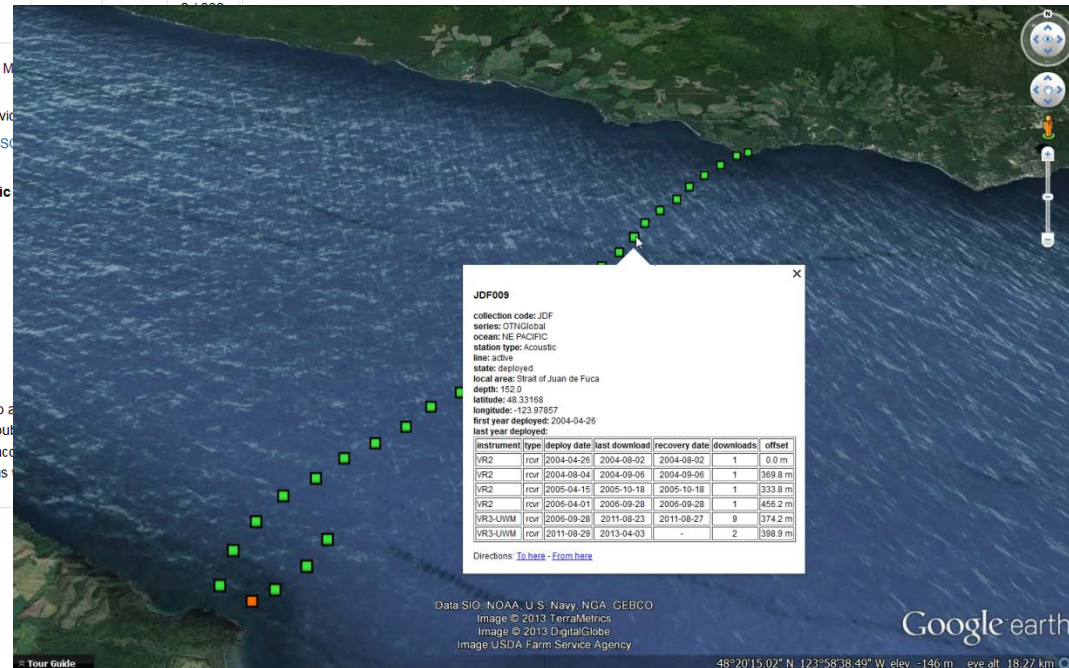


A Division of AMIREX

Get Public Data – Project Metadata Page

Related URLs –KML Stations w/metadata

Temporal Coverage	Start/End Dates: 2004-04-26 to 2013-04-04 - Date/Last Modified: 2013-09-10								
Data Summary	Activity Summary	2004-2007	2008	2009	2010	2011	2012	2013	Totals
	Moorings - With Detections / Total Deployed	104 / 115	29 / 30	30 / 30	30 / 30	30 / 30	30 / 30	29 / 30	282 / 295
	Qualified Acoustic Tags - Detected / Number of Detections	219 / 15097	58 / 12619	53 / 6100	21 / 8881	22 / 6280	42 / 22188	12 / 16491	427 / 87656
	Mystery Tags - Detected / Number of Detections	175 / 17978	15 / 92	13 / 302	18 / 1542	25 / 1641	105 / 14598	19 / 783	370 / 36936
	Unmatched Sensor Tags - Detected / Number of Detections	16 / 1422	10 / 85	8 / 39	11 / 47	13 / 73	31 / 1579	8 / 46	97 / 3291
	Ambiguous tags - Detected / Number of Detections	8 / 264	1 / 45						
Abstract	<p>Basis Of Record Summary: DETECTIONS: Animal=87656 Unqualified=40726 TOTAL=128382. M Offloads=437 Stations=31 Receivers=188 TOTAL=656. GRANDTOTAL=129038.</p> <p>OTNGlobal take over of line maintenance June 2012. Previous operator: Kintama Research Services</p> <p>Primary: OTN, Secondary: BC-FLNRO, DFO, DFO-PBS, KRS, NIT, NOAA-NWFSC, NOAA-SWFSC, UC Davis, USACE, USFWS, UWash, WDFW.</p> <p>Collaboration Type(s): Deployment. Activity(s): Receiver Deployments, Station Plans. Acoustic Sensor Data: depth.</p> <p>Principal Investigator(s): Hinch, Scott</p> <p>Visit Data Repository Folder: /data/repository/jdf. Get Detection Extracts: /data/repository/jdf/detection-extracts. Get Public Data: Stations - kml (n=31), Deployments - csv (n=188). Mystery Tags: /data/mysterytags/NEPacifc_mysterytags.csv.</p> <p>General OTN terms: By accessing or using OTN Data you agree to: a) give proper attribution to a) using the preformed citations contained in this report and in the data records, b) inform OTN of public applications using the data, c) acknowledge that neither the OTN nor the provider is liable for inaccuracies or responsibility for investigating and understanding the limitations of the data, e) report all problems to: otndc@dal.ca. For full policy, see: Full OTN Data Policy Statement.</p>								



Get Public Data – Project Metadata Page

Related URLs – CSV Deployments, providing station deployment, offload, recovery history

Descriptive Keywords Collaboration Type(s): [Deployment](#). Activity(s): [Receiver Deployments](#), [Station Plans](#). Acoustic Receiver(s): [VR2](#), [VR3](#), [VR3-UWM](#). Sensor Data: [depth](#).

Data Centre Kintama Research Services

Scientific Contacts Principal Investigator(s): [Hinch, Scott](#)

Related URLs (May require login) Visit Data Repository Folder: [/data/repository/jdf](#).
 Get Detection Extracts: [/data/repository/jdf/detection-extracts](#).
 Get Public Data: Stations - [kml \(n=31\)](#), Deployments - [CSV \(n=188\)](#). Mystery Tags: [/data/mysterytags/NEPacific_mysterytags.csv](#).

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	collection	seriescode	ocean	station_na	station_ty	station_lat	station_long	station_status	locality	model	instrument	deploy_date	last_download	recovery_date	downloads
2	JDF	OTNGloba	NE	PACIFIK	JDF001	Acoustic	48.37382	-123.921	active	Strait of Ju VR2	rcvr	2004-04-26	-	lost	-
3	JDF	OTNGloba	NE	PACIFIK	JDF001	Acoustic	48.37382	-123.921	active	Strait of Ju VR2	rcvr	2004-08-04	-	lost	-
4	JDF	OTNGloba	NE	PACIFIK	JDF001	Acoustic	48.37382	-123.921	active	Strait of Ju VR2	rcvr	2005-04-15	2005-10-19	2005-10-19	1
5	JDF	OTNGloba	NE	PACIFIK	JDF001	Acoustic	48.37382	123.921	active	Strait of Ju VR2	rcvr	2006-04-01	2006-09-30	2006-09-30	1
6	JDF	OTNGloba	NE	PACIFIK	JDF001	Acoustic	48.37382	-123.921	active	Strait of Ju VR3-UWM	rcvr	2006-09-30	2011-08-23	2011-08-24	9
7	JDF	OTNGloba	NE	PACIFIK	JDF001	Acoustic	48.37382	-123.921	active	Strait of Ju VR3-UWM	rcvr	2011-08-25	2013-04-03	-	2
8	JDF	OTNGloba	NE	PACIFIK	JDF002	Acoustic	48.3721	123.927	active	Strait of Ju VR2	rcvr	2004-04-26	-	lost	-
9	JDF	OTNGloba	NE	PACIFIK	JDF002	Acoustic	48.3721	-123.927	active	Strait of Ju VR2	rcvr	2004-08-04	-	lost	-
10	JDF	OTNGloba	NE	PACIFIK	JDF002	Acoustic	48.3721	-123.927	active	Strait of Ju VR2	rcvr	2005-04-15	-	lost	-
11	JDF	OTNGloba	NE	PACIFIK	JDF002	Acoustic	48.3721	-123.927	active	Strait of Ju VR2	rcvr	2006-04-01	2006-09-28	2006-09-28	1
12	JDF	OTNGloba	NE	PACIFIK	JDF002	Acoustic	48.3721	-123.927	active	Strait of Ju VR3-UWM	rcvr	2006-09-29	2011-08-23	2011-08-24	9
13	JDF	OTNGloba	NE	PACIFIK	JDF002	Acoustic	48.3721	-123.927	active	Strait of Ju VR3-UWM	rcvr	2011-08-25	2013-04-03	-	2
14	JDF	OTNGloba	NE	PACIFIK	JDF003	Acoustic	48.36703	123.935	active	Strait of Ju VR2	rcvr	2004-04-26	2004-05-31	lost/found: 2004-05-31	1
15	JDF	OTNGloba	NE	PACIFIK	JDF003	Acoustic	48.36703	-123.935	active	Strait of Ju VR2	rcvr	2004-08-04	2005-10-19	2005-10-19	1
16	JDF	OTNGloba	NE	PACIFIK	JDF003	Acoustic	48.36703	-123.935	active	Strait of Ju VR2	rcvr	2005-04-15	2005-10-18	2005-10-18	1
17	JDF	OTNGloba	NE	PACIFIK	JDF003	Acoustic	48.36703	123.935	active	Strait of Ju VR2	rcvr	2006-04-01	2006-09-29	2006-09-29	1
18	JDF	OTNGloba	NE	PACIFIK	JDF003	Acoustic	48.36703	-123.935	active	Strait of Ju VR3-UWM	rcvr	2006-09-29	2011-08-23	2011-08-24	9
19	JDF	OTNGloba	NE	PACIFIK	JDF003	Acoustic	48.36703	-123.935	active	Strait of Ju VR3-UWM	rcvr	2011-08-25	2013-04-03	-	2
20	JDF	OTNGloba	NE	PACIFIK	JDF004	Acoustic	48.36168	-123.944	active	Strait of Ju VR2	rcvr	2004-04-26	-	lost	-
21	JDF	OTNGloba	NE	PACIFIK	JDF004	Acoustic	48.36168	-123.944	active	Strait of Ju VR2	rcvr	2004-08-04	2004-09-05	2004-09-05	1
22	JDF	OTNGloba	NE	PACIFIK	JDF004	Acoustic	48.36168	-123.944	active	Strait of Ju VR2	rcvr	2005-04-15	2005-10-19	2005-10-19	1
23	JDF	OTNGloba	NE	PACIFIK	JDF004	Acoustic	48.36168	-123.944	active	Strait of Ju VR2	rcvr	2006-04-01	2006-09-26	2006-09-26	1
24	JDF	OTNGloba	NE	PACIFIK	JDF004	Acoustic	48.36168	-123.944	active	Strait of Ju VR3-UWM	rcvr	2006-09-27	2011-08-23	2011-08-25	9
25	JDF	OTNGloba	NE	PACIFIK	JDF004	Acoustic	48.36168	-123.944	active	Strait of Ju VR3-UWM	rcvr	2011-08-25	2013-04-03	-	2

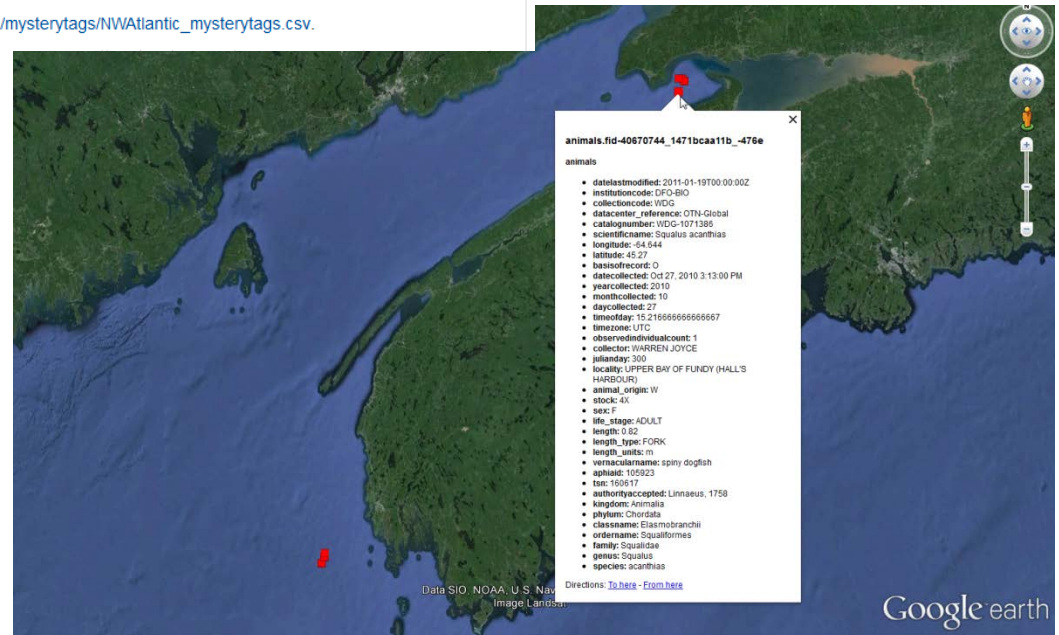
Get Public Data – Project Metadata Page

Newest product – Animals - KML

Currently only PI OBIS approved animal releases.

Descriptive Keywords	Collaboration Type(s): Tracker. Activity(s): Acoustic Tag Releases. Acoustic Transmitter(s): V16P. Sensor Data: depth.
Data Centre	Fisheries and Oceans Canada, Bedford Institute of Oceanography
Scientific Contacts	Principal Investigator(s): Campana, Steve Researcher(s): Joyce, Warren
Related URLs (May require login)	Project Website: http://www.marinebiodiversity.ca/shark/english/index.htm . OBIS Link: http://iobis.org/mapper/?resource_id=2308 . Visit Data Repository Folder: /data/repository/wdg . Get Detection Extracts: /data/repository/wdg/detection-extracts . Get Public Data: Animal - kml , CSV (n=13) . Mystery Tags: /data/mysterytags/NWAtlantic_mysterytags.csv .

KML - Using IOOS/OTN developed AAT Standard



Get Public Data – Project Metadata Page

Newest product – Animals - CSV

Currently only PI OBIS approved animal releases.

Descriptive Keywords Collaboration Type(s): [Tracker](#). Activity(s): [Acoustic Tag Releases](#). Acoustic Transmitter(s): [V16P](#). Sensor Data: [depth](#).

Data Centre Fisheries and Oceans Canada, Bedford Institute of Oceanography

Scientific Contacts Principal Investigator(s): [Campana, Steve](#) Researcher(s): [Joyce, Warren](#)

Related URLs (May require login) Project Website: <http://www.marinebiodiversity.ca/shark/english/index.htm>.
 OBIS Link: http://obis.org/mapper/?resource_id=2308.
 Visit Data Repository Folder: </data/repository/wdg>.
 Get Detection Extracts: </data/repository/wdg/detection-extracts>.
 Get Public Data: [Animal - kml](#), [CSV \(n=13\)](#). Mystery Tags: /data/mysterytags/NWAtlantic_mysterytags.csv.

Access and General OTN terms: By accessing or using OTN Data you agree to: a) give proper attribution to all Data Providers and to OTN by using the

	A	C	D	E	F	G	H	I	J	K	L	M	N	P	S	U	V	
1	FID	institution	collection	datacenter	catalognr	scientificname	longitude	latitude	basisofrec	datecollec	yearcollec	monthcoll	daycollect	timezone	collector	locality	animal_oristc	
2	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-66.379	43.636	O	2009-08-1	2009	8	19	UTC	WARREN J WEDGEPORT	W	4X	
3	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-66.366	43.658	O	2009-08-1	2009	8	19	UTC	WARREN J WEDGEPORT	W	4X	
4	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-64.625	45.316	O	2010-10-2	2010	10	27	UTC	WARREN J UPPER BAY	C W	4X	
5	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-64.643	45.316	O	2010-10-2	2010	10	27	UTC	WARREN J UPPER BAY	C W	4X	
6	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-64.616	45.307	O	2009-09-2	2009	9	27	UTC	WARREN J HALLS HARBOUR	C W	4X	
7	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-64.616	45.307	O	2009-09-2	2009	9	27	UTC	WARREN J HALLS HARBOUR	C W	4X	
8	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-64.644	45.27	O	2010-10-2	2010	10	27	UTC	WARREN J UPPER BAY	C W	4X	
9	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-64.614	45.307	O	2009-09-2	2009	9	27	UTC	WARREN J HALLS HARBOUR	C W	4X	
10	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-66.366	43.658	O	2009-08-1	2009	8	19	UTC	WARREN J WEDGEPORT	W	4X	
11	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-64.614	45.307	O	2009-09-2	2009	9	27	UTC	WARREN J HALLS HARBOUR	C W	4X	
12	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-66.364	43.672	O	2009-08-1	2009	8	19	UTC	WARREN J WEDGEPORT	W	4X	
13	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-66.366	43.658	O	2009-08-1	2009	8	19	UTC	WARREN J WEDGEPORT	W	4X	
14	animals.fic	DFO-BIO	WDG	OTN-Glob	WDG-1071	Squalus acanthias	-66.379	43.636	O	2009-08-1	2009	8	19	UTC	WARREN J WEDGEPORT	W	4X	

CSV - Using IOOS/OTN developed AAT Standard

Published to OBIS

OTN Members Portal

Search Site [] Search

HOME | DATA

You are here: Home > Discovery > Published to OBIS

Published to OBIS

Collaboration Groups, Collaboration Types, Collections, Contacts, Countries, Date Last Modified, Institutions, Keywords, Mystery Tags, Published to OBIS, Ocean Regions, Species, Status, Total Records

The Ocean Biogeographic Information System (OBIS <http://www.iobis.org>) is an 'open-access' database first developed by the Census of Marine Life (CoML) in 1997 to help facilitate global enfranchisement of data within the scientific community. In 2009 OBIS was adopted by the Intergovernmental Oceanographic Commission of UNESCO (IOC), as one of its institutions under the International Oceanographic Data Exchange (IODE) programme. Any organization, consortium, project or individual can publish their data to OBIS.

Below are OTN collections where data owners (i.e. principal investigator) have permitted their data to be published to OBIS and displayed by OBIS. Clicking the 'OBIS' icon navigates you directly to the relevant data on OTN by clicking the Dataset Description to open the OBIS collection metadata, and then clicking the 'Website' link OTN tag detections data section of the OTN metadata page. This may require a OTN username and password as well as a OTN Data owners email address is obtained clicking on the names listed in 'Scientific Contacts'.

Published to OBIS

- BDL: OTN Bras d'Or Lakes Array
- IBFS: Inner Bay of Fundy Atlantic Salmon
- JBC: DFO NE Newfoundland Acoustic Array and ...
- NSP: Nova Scotia Power
- SGS: OTN Canada Sable Island Grey Seal ...
- SMR: St. Mary's River Salmon Tracking
- SPI: Shippagan, NB: Cod tagging
- WDG: Bay of Fundy: Spiny Dogfish

OBIS Home Search Data Maps About OBIS Contact Library English

OBIS Layers

- Summary > 101
- Colors 51-100
- Rainbow 11-50
- Grayscale 6-10
- Blue 1-5
- Points

OBIS is a project of:

iobis.org/mapper/?resource_id=2429#

OBIS strives to document the ocean's diversity, distribution and abundance of life. Created by the Census of Marine Life, OBIS is now part of the Intergovernmental Oceanographic Commission (IOC) of UNESCO, under its International Oceanographic Data and Information Exchange (IODE) programme.

Click Layers drop-down for legend

Published to OBIS

Selected Points from Layers drop-down and clicked Show results displaying individual records (can also be downloaded).

The screenshot displays the OBIS web interface. At the top, there is a navigation bar with 'Home', 'Search Data', 'Maps', 'About OBIS', 'Contact', and 'Library'. A language dropdown is set to 'English'. The main content area is divided into a left sidebar and a main map area. The sidebar contains filters for 'Taxa', 'Datasets', 'Region', 'Date & Season', and 'Oceanography'. The 'Show results' button is highlighted. The main map area shows a map of the North Atlantic with several yellow points. Below the map, a 'Show results' window is open, displaying a table of records.

Scientific	Author	Dataset	Date	L
Gadus morhua	Linnaeus, 1758	OTN/DFO Maritimes Grey seals as bio	2011-06-09	
Halichoerus grypus	(Fabricius, 1791)	OTN/DFO Maritimes Grey seals as bio	2010-09-11	
Halichoerus grypus	(Fabricius, 1791)	OTN/DFO Maritimes Grey seals as bio	2011-06-12	
Halichoerus grypus	(Fabricius, 1791)	OTN/DFO Maritimes Grey seals as bio	2011-06-12	
Halichoerus grypus	(Fabricius, 1791)	OTN/DFO Maritimes Grey seals as bio	2011-06-15	

At the bottom of the page, there is a footer with logos for 'OBIS is a project of.' including IOC, IODE, MARTIN LES GRANDS EXPLORATEURS, Marine Geospatial Ecology Lab Duke University, and VLIZ. A paragraph of text explains that OBIS strives to document the ocean's diversity, distribution and abundance of life, created by the Census of Marine Life, and is now part of the Intergovernmental Oceanographic Commission (IOC) of UNESCO, under its International Oceanographic Data and Information Exchange (IODE) programme.

Mystery Tags – Project Metadata Page

Related URLs – CSV Mystery Tags

Descriptive Keywords	Collaboration Type(s): Deployment . Activity(s): Receiver Deployments , Station Plans . Acoustic Receiver(s): VR2 . Sensor Data: depth .
Data Centre	Kintama Research Services
Scientific Contacts	Principal Investigator(s): Hinch , Scott
Related URLs (May require login)	Visit Data Repository Folder: /data/repository/jdf . Get Detection Extracts: /data/repository/jdf/detection-extracts . Get Public Data: Stations - kml (n=31) , Deployments - CSV (n=188) . Mystery Tags: /data/mysterytags/NEPacific_mysterytags.csv .
Access and Usage Constraints	General OTN terms: By accessing or using OTN Data you agree to: a) give proper attribution to all Data Providers and using the preformed citations contained in this report and in the data records, b) inform OTN of publications, products applications using the data, c) acknowledge that neither the OTN nor the provider is liable for inaccuracies in the data responsibility for investigating and understanding the limitations of the data, e) report all problems with respect to data otndc@dal.ca . For full policy, see: Full OTN Data Policy Statement .

	A	B	C	D
1	tagname	yearcollec	det_count	region
2	A180-1702-11903	2012	2	NE PACIFIC
3	A180-1702-11908	2012	2	NE PACIFIC
4	A180-1702-29434	2012	2	NE PACIFIC
5	A180-1702-3010	2012	2	NE PACIFIC
6	A180-1702-34627	2012	2	NE PACIFIC
7	A180-1702-36672	2012	2	NE PACIFIC
8	A180-1702-38220	2011	3	NE PACIFIC
9	A180-1702-43385	2012	3	NE PACIFIC
10	A180-1702-47589	2012	2	NE PACIFIC
11	A180-1702-53272	2012	2	NE PACIFIC
12	A180-1702-55755	2012	2	NE PACIFIC
13	A180-1702-57361	2012	2	NE PACIFIC
14	A180-1702-57963	2012	3	NE PACIFIC
15	A180-1702-65003	2012	2	NE PACIFIC
16	A69-1008-103	2005	11	NE PACIFIC
17	A69-1008-116	2005	3	NE PACIFIC
18	A69-1008-126	2005	27	NE PACIFIC
19	A69-1008-128	2005	21	NE PACIFIC
20	A69-1008-134	2005	135	NE PACIFIC
21	A69-1008-136	2005	3	NE PACIFIC
22	A69-1008-17	2005	2	NE PACIFIC
23	A69-1008-63	2004	41	NE PACIFIC
24	A69-1204-1002	2010	2	NE PACIFIC
25	A69-1204-1098	2010	2	NE PACIFIC
26	A69-1204-1157	2010	7	NE PACIFIC
27	A69-1204-1159	2010	12	NE PACIFIC
28	A69-1204-1172	2010	22	NE PACIFIC
29	A69-1204-1176	2010	3	NE PACIFIC

Mystery Tags by Ocean Region or Series (detected by).

Mystery Tags Single Page

HOME DATA

You are here: Home > mysterytags

mysterytags

Lists of tags with unidentified owners by series and region. Reasons a tag may be before it was released or after the expected end date of the tag, receiver met duplicate tag ids in same area, or two sets of identical tag metadata submitted

- Arcic_mysterytags.csv
- Ehndian_mysterytags.csv
- GREATLakes_mysterytags.csv
- Mediterranean_mysterytags.csv
- MIDPacific_mysterytags.csv
- NEAtlantic_mysterytags.csv
- NEPacific_mysterytags.csv
- NWAtlantic_mysterytags.csv
- NWPacific_mysterytags.csv
- SEAtlantic_mysterytags.csv
- SEPacific_mysterytags.csv
- SWAtlantic_mysterytags.csv
- SWPacific_mysterytags.csv
- Windian_mysterytags.csv
- ATAP_mysterytags.csv
- DFOCanada_mysterytags.csv
- GLFC_mysterytags.csv
- OTNCanada_mysterytags.csv
- OTNGlobal_mysterytags.csv
- POST_mysterytags.csv
- Southern_mysterytags.csv
- UNAFFILIATED_mysterytags.csv

HowTo navigate OTN discovery metadata

OTN GoogleEarth KMZ

OTN Ocean Gliders and Marine Observations

OTN Benthic Pod Data

visualization

Data Policy, Templates and Workflows

WMS getCapabilities

mysterytags

OTN Tool Box

Log in

Login Name

Password

Log in

Forgot your password?

Search by selecting mystertags folder (left navigation), select area of interest, File -> Find and using provided text box (in this case lower left bottom browser window) enter tagname of to be searched.

DALHOUSIE UNIVERSITY
mystery tags

OCEAN TRACKING NETWORK

HOME DATA

You are here: Home > mysterytags > NEPacific_mysterytags.csv

NEPacific_mysterytags.csv

NEPacific_mysterytags.csv — text/comma-separated-values. 99 kB (101873 bytes)

File contents

```
tagname,yearcollected,det_count,region
A180-1702-11903,2012,2,NE PACIFIC
A180-1702-11908,2012,2,NE PACIFIC
A180-1702-29434,2012,2,NE PACIFIC
A180-1702-3010,2012,2,NE PACIFIC
A180-1702-34627,2012,2,NE PACIFIC
A180-1702-36672,2012,2,NE PACIFIC
A180-1702-38220,2011,3,NE PACIFIC
A180-1702-43388,2012,3,NE PACIFIC
A180-1702-47589,2012,2,NE PACIFIC
A180-1702-53272,2012,2,NE PACIFIC
A180-1702-56755,2012,2,NE PACIFIC
A180-1702-57361,2012,2,NE PACIFIC
A180-1702-57963,2012,3,NE PACIFIC
A180-1702-65003,2012,2,NE PACIFIC
A69-1008-103,2005,11,NE PACIFIC
A69-1008-116,2005,3,NE PACIFIC
A69-1008-126,2005,27,NE PACIFIC
A69-1008-128,2005,21,NE PACIFIC
A69-1008-134,2005,135,NE PACIFIC
A69-1008-136,2005,3,NE PACIFIC
A69-1008-17,2005,2,NE PACIFIC
A69-1008-63,2004,41,NE PACIFIC
A69-1204-1002,2010,2,NE PACIFIC
A69-1204-1098,2010,2,NE PACIFIC
A69-1204-1157,2010,7,NE PACIFIC
A69-1204-1159,2010,12,NE PACIFIC
A69-1204-1172,2010,22,NE PACIFIC
A69-1204-1176,2010,3,NE PACIFIC
A69-1204-1195,2008,2,NE PACIFIC
A69-1204-1195,2009,13,NE PACIFIC
A69-1204-1195,2010,8,NE PACIFIC
A69-1204-1210,2009,5,NE PACIFIC
A69-1204-1210,2010,2,NE PACIFIC
A69-1204-1210,2011,5,NE PACIFIC
```

A69-12

All Public Data

All Public Data Links on a single by collectioncode page.

DALHOUSIE UNIVERSITY
Inspiring Minds

OTN Members Portal

OCEAN TRACKING NETWORK

Log in

Search Site Search

only in current section

HOME | DATA

You are here: Home > Discovery > All Public Data

All Public Data

[All Public Data](#), Other pages: [Collaboration Groups](#), [Collaboration Types](#), [Collections](#), [Contacts](#), [Countries](#), [Date Last Modified](#), [Institutions](#), [Keywords](#), [Mystery Tags](#), [Published to OBIS](#), [Ocean Regions](#), [Species](#), [Status](#), [Total Records](#).

Public Ocean Tracking Network data products, although usable without consent or permission of contributors must be cited according to OTN Data policy.

- 'Mystery Tags' products list unlinked acoustic tags which may be claimed by completing and submitting an instrument specification authorization form .
- 'Stations' products list location, time and status of known stations.
- 'Deployments' products list details of instrument deployment and recovery at known stations.
- 'Animal' products list details of tagged animal releases including release date, time and location, taxonomic hierarchy and animal morphological details if provided.

More products coming soon. Address all suggestions, comments and concerns to OTNDC@dal.ca.

Mystery Tags by Collaboration Group

Mystery Tags by Ocean Region

by collectioncode:

A | B | C | E | F | G | H | I | J | K | L | M | N | P | Q | R | S | T | V | W

A

- ACB: OTN Arctic Cambridge Bay Array
Stations - [kml](#) (n=42), **Deployments** - [CSV](#) (n=42).
- ACS: OTN Arctic Cumberland Sound Array
Stations - [kml](#) (n=88), **Deployments** - [CSV](#) (n=166).
- ADM: Admiralty Inlet Puget Sound

WMS getCapabilities

Copy WMS string for use with GIS desktop mapping software/tools.

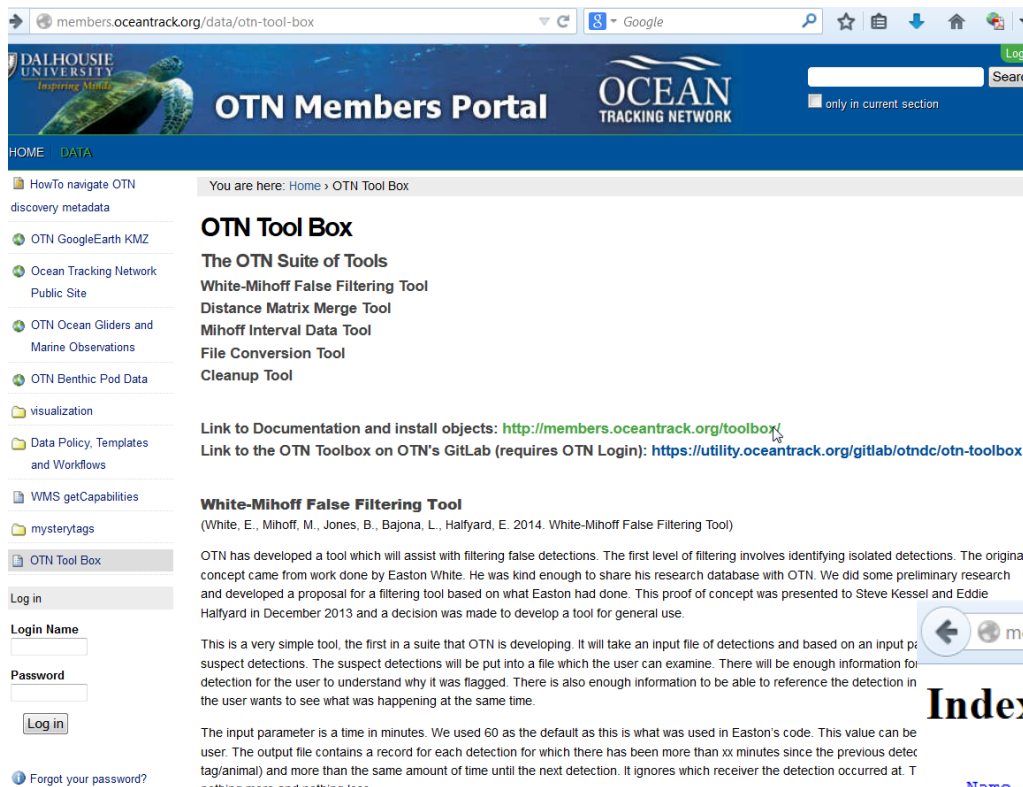
The screenshot shows the OTN Members Portal interface. The main content area is titled "WMS getCapabilities" and contains the following text: "Use this link to direct desktop GIS mapping systems such as ARCMAP, UDig and ArcView on the OTN Geoserver. Some layers may require username and password." Below this text is a URL: <http://global.oceantrack.org:8080/geoserver/wms?request=getCapabilities&service=wms>. A context menu is open over the URL, with the "Copy Link Location" option highlighted. Three red ovals with arrows point to the following steps: 1) left-click on the "WMS getCapabilities" link in the left sidebar; 2) right-click on the URL; 3) left-click on "Copy Link Location" in the context menu.

<http://global.oceantrack.org:8080/geoserver/wms?request=getCapabilities&service=wms>

OTN Public Geoserver Layers were used for all the Public Products (Google Earth KMZ, KMLs, CSVs).

OTN Tool Box

<http://members.oceantrack.org/data/otn-tool-box>



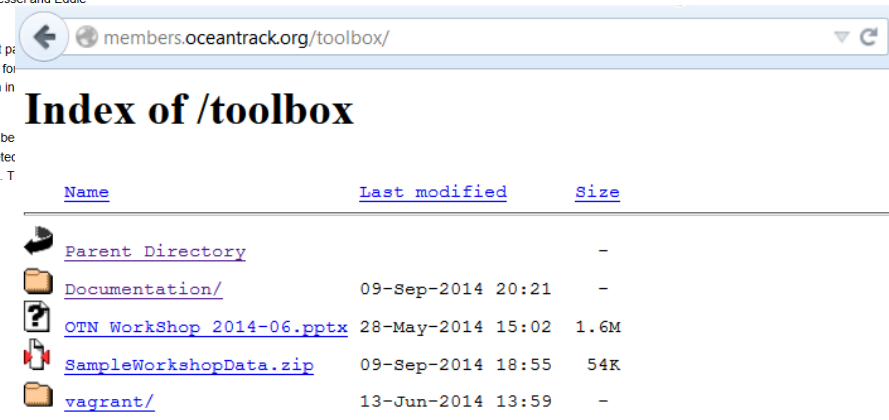
The screenshot shows the OTN Members Portal website. The header includes the Dalhousie University logo and the Ocean Tracking Network logo. The main navigation bar has 'HOME' and 'DATA' links. The left sidebar contains a list of navigation items, with 'OTN Tool Box' selected. The main content area displays the 'OTN Tool Box' title and a list of tools: 'White-Mihoff False Filtering Tool', 'Distance Matrix Merge Tool', 'Mihoff Interval Data Tool', 'File Conversion Tool', and 'Cleanup Tool'. Below the list, there are links to documentation and the OTN's GitLab. A 'Log in' section is visible on the left side of the main content area.

From Member's site, left-
navigation OTN Tool Box






Click link to documentation
and install objects

Marta will be providing demo next.

OTNDC has created YouTube videos for installing and will also using the OTN Tool Box in the near future.



The screenshot shows the index page of the OTN Toolbox. The browser address bar displays 'members.oceantrack.org/toolbox/'. The page title is 'Index of /toolbox'. Below the title is a table listing the contents of the directory.

Name	Last modified	Size
 Parent Directory		-
 Documentation/	09-Sep-2014 20:21	-
 OTN WorkShop 2014-06.pptx	28-May-2014 15:02	1.6M
 SampleWorkshopData.zip	09-Sep-2014 18:55	54K
 vagrant/	13-Jun-2014 13:59	-

Apache/2.2.15 (Red Hat) Server at members.oceantrack.org Port 80

Restricted Data Downloads

Requires Login and permission

From Metadata page, Get Detection Extracts

SGS Tag Detection Summary: Released=606, Detected=151, TotalDetections=399998, DateLastDetected: 2014-04-08.
Basiss Of Record Summary: ANIMALS: TOTAL=606. DETECTIONS: Animal=400172 Sentinel=405 Unqualified=266 TOTAL=400843.
MOORINGS/INSTRUMENTS: AnimalTransmitters=705 Missions=2 Ofloads=33 Stations=128 Receivers=97 SentinelTransmitters=28 TOTAL=993.
GRANDTOTAL=402442.

Abstract
Objectives are to better understand the ecological function of large marine carnivores in continental-shelf ecosystems, using grey seals as our model species and novel acoustic technology developed for OTN. There are two components: 1) spatial and temporal patterns of prey encounters by a mobile, large marine predator, and 2) predator movements and foraging distribution in relation to fine- and meso- scale seasonal oceanography in eastern Canada. The first study will contribute to science advice on the impact of pinniped predation on the dynamics of prey populations of commercial or conservation importance. The second study seeks to understand the oceanographic features that grey seals may use to condition the way they search the environment for food and in turn predict how climate variability and long-term change may affect upper-trophic level predators and alter their impact on continental shelf ecosystems.

Institutions
Primary: DAL-DFO-BIO. **Secondary:** Acadia U, ASF, DAL, DFO-BIO, DFO-GFC, DFO-MLI, DFO-NAFC, Stanford U, U Laval, USGS.

Descriptive Keywords
Collaboration Type(s): Deployment. **Activity(s):** Acoustic Tag Releases, Mission Reports, Receiver Deployments, Satellite Tag Releases, Sentinel Tag Deployments, Station Plans. **Acoustic Transmitter(s):** R1920, V13, VMT_BLUETOOTH. **Acoustic Transceiver(s):** VMT, VMT_BLUETOOTH. **Satellite Tag(s):** FASTLOC ARGOS, MK10, MK10-AF.

Data Centre
Ocean Tracking Network Data Centre, Halifax Canada / otndc@dal.ca

Scientific Contacts
Principal Investigator(s): Bowen, Don; Iverson, Sara **Researcher(s):** Jonsen, Ian;

Related URLs (May require login)
Project Website: <http://global.oceantrack.org/news/newsfrom/bioprobos>.
OBIS Link: http://obis.org/mapper/?resource_id=2429.
Visit Data Repository Folder: </data/repository/sgs>.
Get Detection Extracts: </data/repository/sgs/detection-extracts>.
Get Public Data: Animal - [kml](#) (n=606), [csv](#) (n=606). Stations - [kml](#) (n=128), [De](#) /data/mysterytags/NWAtlantic_mysterytags.csv.

Access and Usage Constraints
General OTN terms: By accessing or using OTN Data you agree to: a) give proper citations contained in this report and in the data records, b) inform OTN of publication that neither the OTN nor the provider is liable for inaccuracies in the data, d) assume data, e) report all problems with respect to data to otndc@dal.ca. For full policy, see

Matched to Animals YYYY includes both internal and external deployment operator detections.

Tracker Detections

Data Summary	Activity Summary	2009	2010	Totals
	Acoustic Tags Released	10	3	13
	WDG Tag Detection Summary: Released=13, Detected=13, TotalDetections=18360, DateLastDetected: 2012-12-30. Basis Of Record Summary: ANIMALS: TOTAL=13. MOORINGS/INSTRUMENTS: AnimalTransmitters=26 TOTAL=26. GRANDTOTAL=39.			
Abstract	To determine if mature female dogfish remain in Canadian waters or if they cross over the US/Canadian border to American waters. The results would have an effect on the joint management of the dogfish fishery between Canada and the US and help determine the contribution spawning females have to the NW Atlantic metapopulation of dogfish. The data would help with future management of the fishery as well as future discussions with the US.			
Institutions	Primary: DFO-BIO, Secondary: Acadia U, NOAA-NMFS-NEFSC.			
Descriptive Keywords	Collaboration Type(s): Tracker. Activity(s): Acoustic Tag Releases. Acoustic Transmitter(s): V16P. Sensor Data: depth.			
Data Centre	Fisheries and Oceans Canada, Bedford Institute of Oceanography			
Scientific Contacts	Principal Investigator(s): Campana, Steve Researcher(s): Joyce, Warren			
Related URLs (May require login)	Project Website: http://www.marinebiodiversity.ca/shark/english/index.htm . OBIS Link: http://iobis.org/mapper/?resource_id=2308 . Visit Data Repository Folder: /data/repository/wdg . Get Detection Extracts: /data/repository/wdg/detection-extracts . Get Public Data: Animal - kml , csv (n=13) , Mystery Tags: /data/mysterytags/NWAtlantic_mysterytags.csv .			
Access and Usage Constraints	General OTN terms: By accessing or using OTN Data you agree to: a) give proper attribution to all Data Providers and to OTN by using the preformed citations contained in this report and in the data records, b) inform OTN of publications, products or commercial applications using the data, c) acknowledge that neither the OTN nor the provider is liable for inaccuracies in the data, d) assume responsibility for investigating and understanding the limitations of the data, e) report all problems with respect to data to otndc@dal.ca . For f			

Mapped to Animals includes detections from ALL receivers in OTN Data Warehouse.

[HOME](#) | [DATA](#) | [ABOUT OTN](#) | [POLICIES](#) | [USERS](#) | [MEETINGS](#) | [GROUPS](#) | [NEWS](#) | [EVENTS](#) | [ETC](#)

You are here: [Home](#) > [repository](#) > [Bay of Fundy, Canada - spiny dogfish tag releases](#) > [Detection Extracts](#)

[Contents](#) | [View](#) | [Edit](#) | [Rules](#) | [Sharing](#)

[Actions](#) ▼ | [Display](#) ▼ | [Add new...](#) ▼ | [State: Private](#) ▼

Detection Extracts

by [Warren Joyce](#) — last modified May 23, 2013 12:22 PM — [History](#)

For Trackers: All detections of all tags released by the project no matter where they occurred. Detections classified as false but with a transmitter belonging to this project will be included in the future. All single detections are considered false. There may be detections of some of your tag ids which have not been matched. There can be many reasons for this. To check if any of your tags may have been missed please see the mystery tag list for your region or series. For Deployment Operators: Sets of sentinel tag detections, sets of detections mapped to animals without the animal details, sets of 'UNQUALIFIED' detections.

[All detections up to July 2012.](#) — by [Warren Joyce](#) — last modified Jul 24, 2013 02:03 PM
The fall rollover of NSP and MPS has not yet been done.

- [Matched to Animals 2009](#) — by [Warren Joyce](#) — last modified Jul 23, 2014 03:01 PM
- [Matched to Animals 2010](#) — by [Warren Joyce](#) — last modified Jul 23, 2014 03:09 PM
- [Matched to Animals 2011](#) — by [Warren Joyce](#) — last modified Jul 23, 2014 03:23 PM
- [Matched to Animals 2012](#) — by [Warren Joyce](#) — last modified Jul 23, 2014 05:14 PM
- [Matched to Animals 2013](#) — by [Warren Joyce](#) — last modified Jul 23, 2014 06:04 PM

Line Operator Detections

Abstract	<p>Basic Of Record Summary: DETECTIONS: Animal=10184 Sentinel=263884 Test=444 Unqualified=960 TOTAL=275472. MOORINGS/INSTRUMENTS: Histories=727 Missions=65 Offloads=671 Stations=268 Receivers=501 SentinelTransmitters=13 TOTAL=2245. GRANDTOTAL=277717.</p> <p>At the end of May 2012, the installation of an acoustic curtain on modified version of DFO's Halifax Line was completed with support from both Dalhousie and DFO. The line, from its origin off Chebucto Head, south of Halifax, to the end of the continental shelf, has a total length of almost 205 km, with zigzags to avoid areas of intense trawling activity such as in Emerald Basin. The line consists of 256 hydrophone moorings at 800 m spacing. Eight of these moorings contain instrumented packages called benthic pods that will provide time series of bottom pressure, temperature and salinity. This massive undertaking took four years to complete.</p>
Institutions	Primary: DFO-BIO, Secondary: Acadia U, DAL, DAL-DFO-BIO, DESU, MMF, NOAA-NMFS-NEFSC, Stanford U, USGS.
Descriptive Keywords	Collaboration Type(s): Deployment, Activity(s): Mission Reports, Receiver Deployments, Sentinel Tag Deployments, Station Plans. Acoustic Transmitter(s): V16, V9. Acoustic Receiver(s): VR2W, VR3, VR4. Environmental Instrument(s): ADCP RDI WORKHORSE QUARTERMASTER, ADCP RDI WORKHORSE SENTINEL, BENTHIC POD, DST TILT, MICROCAT SBE 37-SM, MICROCAT SBE 37-SM V2.5, MICROCAT SBE 37-SM V2.6, MICROCAT SBE 37-SM V2.6A, MICROCAT SBE 37-SM V2.6B. Sensor Data: depth, temperature.
Data Centre	Ocean Tracking Network Data Centre, Halifax Canada / otndc@dal.ca
Scientific Contacts	Principal Investigator(s): Hebert, Dave Researcher(s): Smith, Peter C.
Related URLs (May require login)	<p>Project Website: http://global.oceantrack.org/galleries/halifax-line.</p> <p>Visit Data Repository Folder: /data/repository/hfx/.</p> <p>Review Static Discovery Metadata: /data/repository/hfx/static_discovery_metadata_for_this_collection/</p> <p>Get Detection Extracts: /data/repository/hfx/detection-extracts/.</p> <p>Get Public Data: Stations - csv, kml (n=268). Mystery Tags: /data/mysterytags/NWAtlantic/</p>
Access and Usage Constraints	General OTN terms: By accessing or using OTN Data you agree to: a) give proper attribution to citations contained in this report and in the data records, b) inform OTN of publications, products or other uses of the OTN nor the provider is liable for inaccuracies in the data, d) assume responsibility for data, e) report all problems with respect to data to otndc@dal.ca. For full policy, see: Full OTN Data Policy

Detection Extracts

by Peter Smith — last modified May 22, 2013 03:31 PM
 For Trackers: All detections of all tags released by the project no matter where they occurred. Detections classified as false but with a transmitter belonging to this project will be included in the future. All single detections are considered false. There may be detections of some of your tag ids which have not been matched. There can be many reasons for this. To check if any of your tags may have been missed please see the mystery tag list for your region or series. For Deployment Operators: Sets of sentinel tag detections, sets of detections mapped to animals without the animal details, sets of 'UNQUALIFIED' detections.

- **Sentinel tag detections 2009** — by Peter Smith — last modified May 22, 2013 03:31 PM
 Hebert, D., Barthelotte, J., O'Dor, R., Stokesbury, M., Branton, R. 2009. Ocean Tracking Network Halifax Canada Line Metadata and Data Set.
- **Sentinel tag detections 2010** — by Peter Smith — last modified May 22, 2013 03:31 PM
 Hebert, D., Barthelotte, J., O'Dor, R., Stokesbury, M., Branton, R. 2009. Ocean Tracking Network Halifax Canada Line Metadata and Data Set.
- **Sentinel tag detections 2011** — by Peter Smith — last modified May 22, 2013 03:31 PM
 Hebert, D., Barthelotte, J., O'Dor, R., Stokesbury, M., Branton, R. 2009. Ocean Tracking Network Halifax Canada Line Metadata and Data Set.
- **Sentinel tag detections 2012** — by Peter Smith — last modified May 22, 2013 03:31 PM
 Hebert, D., Barthelotte, J., O'Dor, R., Stokesbury, M., Branton, R. 2009. Ocean Tracking Network Halifax Canada Line Metadata and Data Set.
- **Detections Mapped to other Trackers 2008** — by Peter Smith — last modified May 27, 2013 11:58 AM
 These detections have been mapped to releases by other trackers. To get the list of associated trackers see your discovery metadata page by clicking on your collectioncode at: <http://members.oceantrack.org/data/discovery/bycollection.htm>
- **Detections Mapped to other Trackers 2009** — by Peter Smith — last modified May 27, 2013 11:58 AM
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- **False Detections 2008** — by Peter Smith — last modified May 27, 2013 11:58 AM
 Detections which are considered FALSE. Reason is given in column RELATEDCATALOGITEM. List may not be complete.
- **False Detections 2009** — by Peter Smith — last modified May 27, 2013 11:58 AM
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- **False Detections 2012** — by Peter Smith — last modified May 27, 2013 11:59 AM
 Detections which are considered FALSE. Reason is given in column RELATEDCATALOGITEM. List may not be complete.
- **Unqualified Detections 2009** — by Peter Smith — last modified May 27, 2013 12:02 PM
 These are detections for which we do not know the owner. There may be several reasons for this. One: It is a test or sentinel tag and we have not been informed. Two: It is an ambiguous tag which means we have more than one set of tag metadata which the detection could belong to. Three: We have not received any release metadata for the tag. Four: It is an old style sensor tag and we have not been able to determine the associated ping id, or even if there should be one, because we do not have the vendor tag specifications.
- **Unqualified Detections 2010** — by Peter Smith — last modified May 27, 2013 12:02 PM
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- **Unqualified Detections 2011** — by Peter Smith — last modified May 27, 2013 12:03 PM
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Includes Sentinel detections, Animal Detections without link to animals, and Unqualified detections

Though no longer marking/extracting False detections, have not completed previous content cleanup

Glider Tracks and Data Visualization



HOME DATA

HowTo navigate OTN

discovery metadata

OTN GoogleEarth KMZ

Ocean Tracking Network
Public Site

OTN Ocean Gliders and
Marine Observations

OTN Benthic Pod Data

visualization

Data Policy, Templates
and Workflows

WMS getCapabilities

mysterytags

OTN Tool Box

Ocean Tracking Network
Ocean Gliders and Marine Observation

Home Deployments Data Sloum Gliders Wave Gliders OTN Home

The Ocean Glider Program
The world's oceans are vast and cannot be properly described using research vessels only. Satellite technology has greatly improved our ability to obtain global coverage of some environmental variables but satellites cannot see into the ocean's interior. Autonomous gliders can help to fill the gaps between in-situ sampling and satellite images.

The **Ocean Tracking Network (OTN)** deploys two Teledyne Webb Research Sloum electric gliders (OTN200 and OTN201) near continuously along the Halifax Line, running from Chincoteague to approximately 250 km offshore. Their mission is to provide oceanographic context for the animal tagging efforts of OTN. Ultimately, data from the gliders will provide foundations for models of ocean dynamics that will be related directly to the activities of tracked species.

In addition OTN operates a Liquid Robotics wave glider (SO174, codename 'DL') whose primary mission is to upload data from bottom-mounted acoustic receivers and then transmit that data back to shore via satellite. The Wave Glider itself is also a mobile receiver listening for tagged animals. While performing these two functions it also collects oceanographic data on the ocean's surface.

Current Deployments

This map displays all deployed gliders. Click the legend to learn more about an individual deployment.

Our Platforms

Teledyne Webb's Sloum Glider
This submarine platform uses a buoyancy drive to achieve depths of up to 1000m, and averages 1 km/hr. Powered by alkaline or lithium battery cells, the Sloum glider can be deployed for a month at a time, taking measurements of ocean physics, chemistry and biology on a time-scale of seconds. Plans to include Vemco VHTM on our Sloum glider deployments are nearly complete.

Liquid Robotics' Wave Glider
This surface-based platform relies on differential wave height to drive its 7m deep submarine platform forward through the water. Its float houses the onboard computer, satellite data-link, GPS and most instrumentation. Able to detect ships, respond to radar pings, and measure meteorological and near-surface ocean conditions, the Wave Glider's solar panels allow it to remain at sea for long periods of time. Its reliance on solar power limits its sampling rate to a time-scale of minutes. OTN's Wave Gliders also feature acoustic receivers, allowing us to detect tagged animals on our missions.

Tweets

Missions over time

Total Distance Traveled vs. Time

Ocean Tracking Network
Ocean Gliders and Marine Observation

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Mission #33 (OTN200)

Mission ran from (2014-05-27 14:28:00 to 2014-06-17 14:27:39)

Posted By:

acombeau @ 2014-05-06 15:34:38 The glider was deployed on the 27th of May by Adam and Kacie off of the SigmaT. The mission is to run the OTN line on the way out, then run parallel to the Scotian shelf until it gets to the DFO Halifax line, and run it back in.

acombeau @ 2014-05-08 10:24:56 There is lots of Chla fluorescence along the shelf.

acombeau @ 2014-05-17 09:24:14 I edited the surfacing script to surface every hour to help in recovery. It is it is about 6 km from the final waypoint.

status
Battery: 15.2383 -> 12.5556 V
AmPHrs: 101.327
LeakDetect: OK
Vacuum: 9.64784 inHg

Latest Mission Data

Temperature Pot. Density Salinity Chl a from Fluorescence

Irradiance Backscattering @ 660 nm Backscattering @ 880 nm

Click on a mission from
Missions over time graph

Benthic Pod Data – Glider Site



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Ocean Tracking Network Ocean Gliders and Marine Observation



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Bottom Pod Data

The Ocean Tracking Network (OTN) deploys sensors on a series of benthic pods (BP) on the Scotian Shelf. These pods were designed in collaboration with Salfantic to monitor and report key oceanographic parameters to provide environmental context to animal movements and validation data to sophisticated biogeochemical and physical ocean models. Data stored on the pods can be recovered via acoustic modem from either surface vessels or autonomous vehicles.

Mounted on the BPs are:

- Salfantic STOR-X data/power manager (<http://its.salfantic.com/stor-x/>)
- Digiquartz Parascientific pressure sensor (<http://www.parascientific.com/depthsensors/>)
- VEMCO VR4 acoustic receiver (<http://www.vemco.com/products/vr4-swim/>)
- Sea-Bird 37SP Microcat (http://www.seabird.com/products/tbpc_sheets/37sp/data.htm)
- Aanderaa dissolved oxygen sensor (2830 & 4330; <http://www.aanderaa.com/products/>)
- Salfantic 15V, 102Ah alkaline battery pack (<http://its.salfantic.com/sites/default/files/docu>)

The Parascientific Digiquartz pressure sensor is housed inside the STOR-X, the Aanderaa Sea-Bird SBE 37-SP Microcat is connected by cable to the STOR-X. As configured the STOR-X controls the sampling of the oceanographic instrumentation. The sensors requested sampling data from the three connected sensors (C-Dater, RWay) and also hourly record in a file called PROCESS.DAT (also found at C:\DATA).

The OTN Benthic Pods are deployed with a stable bottom mount so that the data from 1 frame.

Download unprocessed data

Station	Pod ID	Offload Date	Download Link
HFX008	081		PROCESS_POD0081A.daf
HFX008	095		PROCESS_POD0095a.daf
HFX008	090		PROCESS_POD0090a.daf
HFX028	099		PROCESS_POD0099a.daf
HFX048	089		PROCESS_POD0089a.daf
HFX069	092		PROCESS_POD0092a.daf
HFX097	094		PROCESS_POD0094a.daf
HFX126	116		PROCESS_POD0116a.daf
HFX153	119		PROCESS_POD0119a.daf
HFX180	095		BENTHIC_POD_95_20130528_1.POD0095a.daf
HFX12	096		PROCESS_POD0096a.daf
HFX245	091		PROCESS_POD0091a.daf

Once the data are collected they are sent to the Bedford Institute of Oceanography (BIO) processing.

Input Data

The Dalhousie OTN program sends files to BIO as a zip archive. Contained in the archive are Excel files with a deployment log sheet for each instrument, files with instrument metadata, and a deployment and recovery mission report. There is also one data file (extension ".daf") for each instrument deployed. The filename format is generally "PROCESS-PODXXXXa.daf", where XXXX is the serial number of the pod. The input data file has a 5 line header, included in the name of the Salfantic calibration file used to convert the data to physical units, and the list of parameters in the file, along with the units for each parameter.

The data are in physical units. Each processed record is an average of a number of raw data records, sampled as a burst just before the reported time. The number of raw data records in the average is reported in field 3 of the data file, referred to as "SIZE".

Processing Steps

The Excel files containing the deployment information are opened in Excel and converted into "pdf" documents for submission to the Ocean Data and Information Services (ODIS) data shop.

The relevant information in the log sheets is identified for use in the processing script used to convert the information into DFO's ODF data format. This includes the mooring position, mooring depth, station name, deployment and recovery time, sensor model numbers and serial numbers, mission name and chief scientist name.

A Matlab script named convert_NNINN_to_ODF.m, is used to read the data and output a single "ODF" file. The user is prompted for the input file name. Before running the script, the instrument and deployment information identified above is entered into the relevant section of code. In addition to creating the ODF file, a number of other functions are performed, as listed below:

- Conductivity in mmho/cm is converted to conductivity ratio, by dividing by 4.2914
- Pressure is corrected for atmospheric pressure, by subtracting 1 ATM (10.1325 dbar).
- Salinity is recomputed, compensated for temperature and pressure. This is done by function "sw_salt", in the Matlab Seawater toolbox.
- Oxygen in micromolar/L is compensated for salinity, temperature and pressure by function "o2comp.m". This function was written by Roeger Pettipas (DFO) and was derived from Aanderaa Data Instruments, "Compensation of Oxygen M_L". The ODF Output fields are:
 - "Oxygen Optode Calculations-2.mis" SYTM_01 (ODF time format)
 - Oxygen in micromolar/L is converted to mL by multiplying by 0.022391. TEMP_01 (Temperature)
 - Oxygen saturation value is recalculated with the corrected salinity using function CRAT_01 (Conductivity Ratio)
 - Oxygen percent saturation is recomputed with the corrected oxygen value and the PSAL_01 (Practical Salinity, UNESCO 1983)
 - The "status" flag value2 for each data record is applied. This is a decimal number SIGT_01 (sigma-T, kg/m³)
 - data, a non-zero flag indicates that one or more sensors did not record. Apply: PRES_01 (Sea Pressure, Dbar)
 - the "status" flag value2 for each data record is applied. This is a decimal number DOXY_01 (Dissolved oxygen, in mL)
 - Time is converted from the format YYYYDDDD (YYYY=year, DDD=day number) plu OSA1_01 (Oxygen saturation, in percent)
 - The Salfantic 5 line header is written to a text file, with the same name as the inp VOLT_01 (Sensor voltage, as in PROCESS dat file)
 - the quality controlled data back to a text file for OTN. OODQ_01 (Salfantic data status flag, as in PROCESS dat file)
 - CINTR_01 (Record counter, as in PROCESS dat file)
 - CINTR_02 (Instrument serial number, as in PROCESS dat file)
 - CINTR_03 (Number of samples in data average, as in PROCESS dat file)

Download QCed data

Station	Pod ID	Offload Date	Download Link	Quality Control
HFX245	POD0091A	2013-05-23	PROCESS_POD0091A_HFX245_2013	
HFX180	POD0095A	2013-10-10	PROCESS_POD0095A_HFX180_2013	
HFX212	POD0096A	2013-05-23	PROCESS_POD0096A_HFX212_2013	
SBXP0DLB	POD0114A	2013	PROCESS_POD0114A_SBXP0DLB_2013	A time series plot of the data is generated. If any spikes or suspicious data are found, they are removed, and their values set to null.
SBXP0DNL	POD0115A	2013	PROCESS_POD0115A_SBXP0DNL_2013	Whenever possible, values are compared with deployments of nearby CTDs or other Microcat instruments, to ensure they are reasonable. The DFO AZMP program spring and fall surveys usually have nearby CTD casts.
HFX126	POD0116A	2013-05-30	PROCESS_POD0116A_HFX126_2013	
HFX153	POD0118A	2013-05-23	PROCESS_POD0118A_HFX153_2013	

Once the ODF file is created, the pre and post deployment records are removed using a text editor. The start and end data times should agree reasonably well with the times recorded in the deployment and recovery mission reports. Otherwise, it may be necessary to contact OTN for clarification or to report an error. The ODF file is regenerated by using a Matlab "read_odf" command, followed by a "write_odf" command, to refresh the start and end times, number of records, etc.

Data Output and Archiving

Once the data have been edited and the accuracy checked, an ascii file is generated from the ODF file, for submission to OTN. This is done by Matlab script "OTN_baffle.m". The user is prompted for the ODF file, and also for the "_OCRP.dat" file created by the ODF creation script. This ascii file is similar in format to the original "PROCESS.daf" file, with oxygen in micromolar/L, and conductivity in mmho/cm. Missing data values are set to the string "NaN".

A final ODF file is submitted to the ODIS data shop for archiving, along with the mission reports, instrument logs and instrument metadata. Before sending the ODF file, parameter fields containing the instrument serial number (CINTR_02), record counter (CINTR_01), number of samples (CINTR_03), and status flag (OODQ_01) may be removed. They were retained for re-generation of the flat file for OTN, and may not be needed for archiving.

References

1. Solubility and salinity compensation calculation based on Garcia and Gordon, 1992. *Oxygen solubility in seawater: Better fitting equations* *Limnology and Oceanography* 37(6): 1307-1312.
 2. Pressure compensated salinity calculation based on Hiroshi Uchida, Takeshi Kawano, Ikuo Kaneko and Masao Fukasawa. *In-Situ calibration of optode-based oxygen sensors*. *Journal of Atmospheric and Oceanic Technology* December 2008.
 3. For other calculations refer to AADI Operating Manual TD218 and TD269
3. Salfantic, *Benthic Pod Interface Control Document* SAT-DN-04437, Revision L, 2011-11-20, Section 4.4.2.2, Pages 24-25

Thank you / Questions?