

Data Archival Services and Accessing Public ATN Data

Satellite Data Training Course

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ATN Data Coordinator

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ATN Data Assembly Center (DAC)

Satellite Telemetry Data

- Primarily from Argos platforms
- Data autoingested or manually uploaded - .txt, .csv

Metadata – 3 levels

- Provided directly from researchers
- Project – title, abstract, contacts
- Deployment – tag manufacturer, tag model, ids, species, life history, morphometrics
- Dataset – ISO 19115

The image shows a composite of two web pages. The top page is titled "ATN DAC Registration/Project Submission" and contains a form with fields for "Submit project deployment d...", "Email:", and "Password:". The bottom page is the "RESEARCH WORKSPACE" interface for the "Animal Telemetry Network". It features a navigation bar with "Home", "Catalog", "Map", "Data views", "Downloads", "Settings", "Share", "Help", and "Feedback". The main heading is "Animal Telemetry Network Data Portal" with buttons for "EXPLORE MAP" and "PROJECTS". Below the heading are four map thumbnails: "All Tag Deployments", "Real-time Tag Deployments: Past 30 Days", "Satellite Telemetry Project Inventory", and "Acoustic Telemetry Asset Inventory".

ATN Registration App –

<https://dacregistration.atn.ioos.us>

Research Workspace –

<https://researchworkspace.com>

ATN Data Portal –

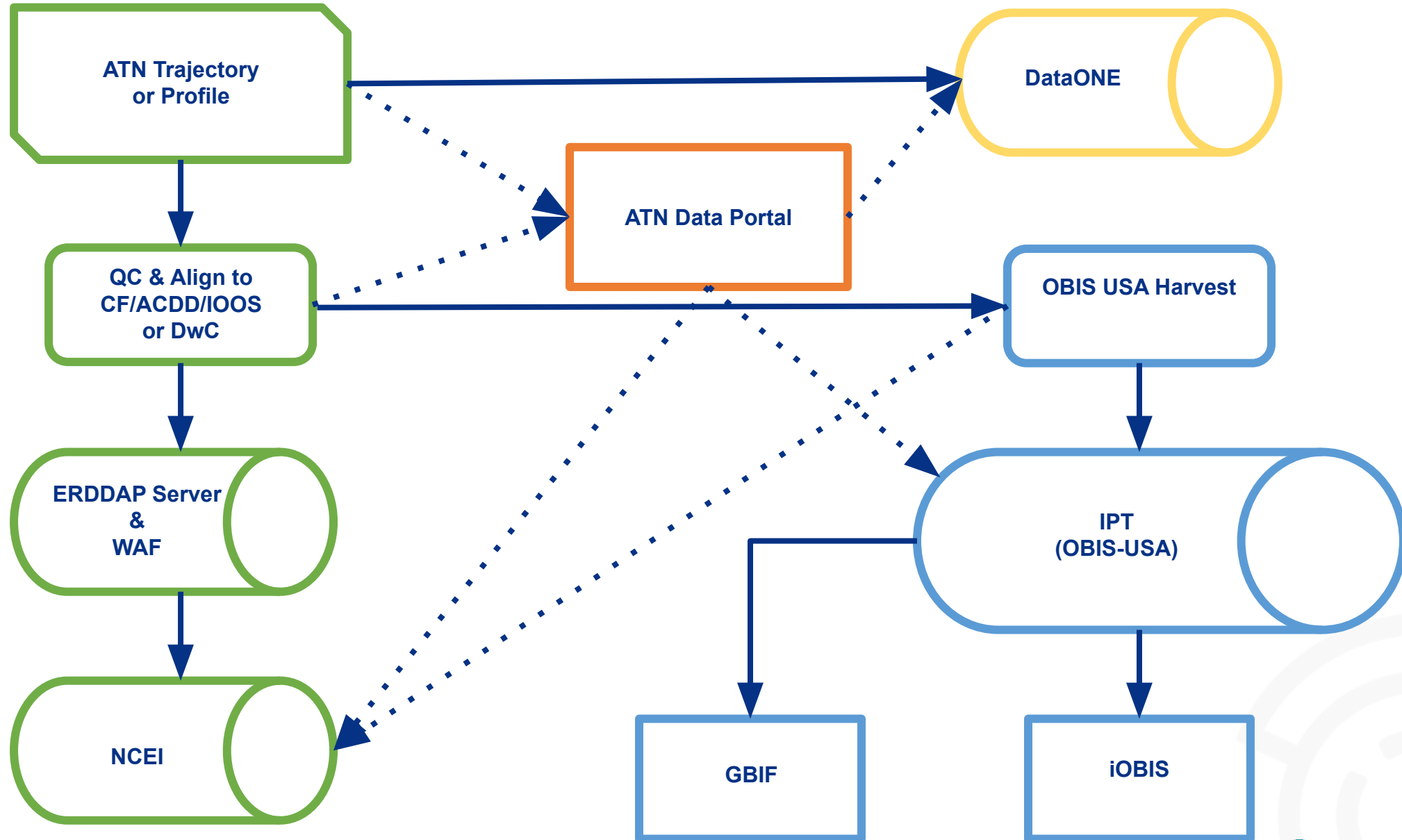
<https://portal.atn.ioos.us>

How to submit data –

<https://atn.ioos.us/help/submit-data>



ATN DAC Data Archival Pathways

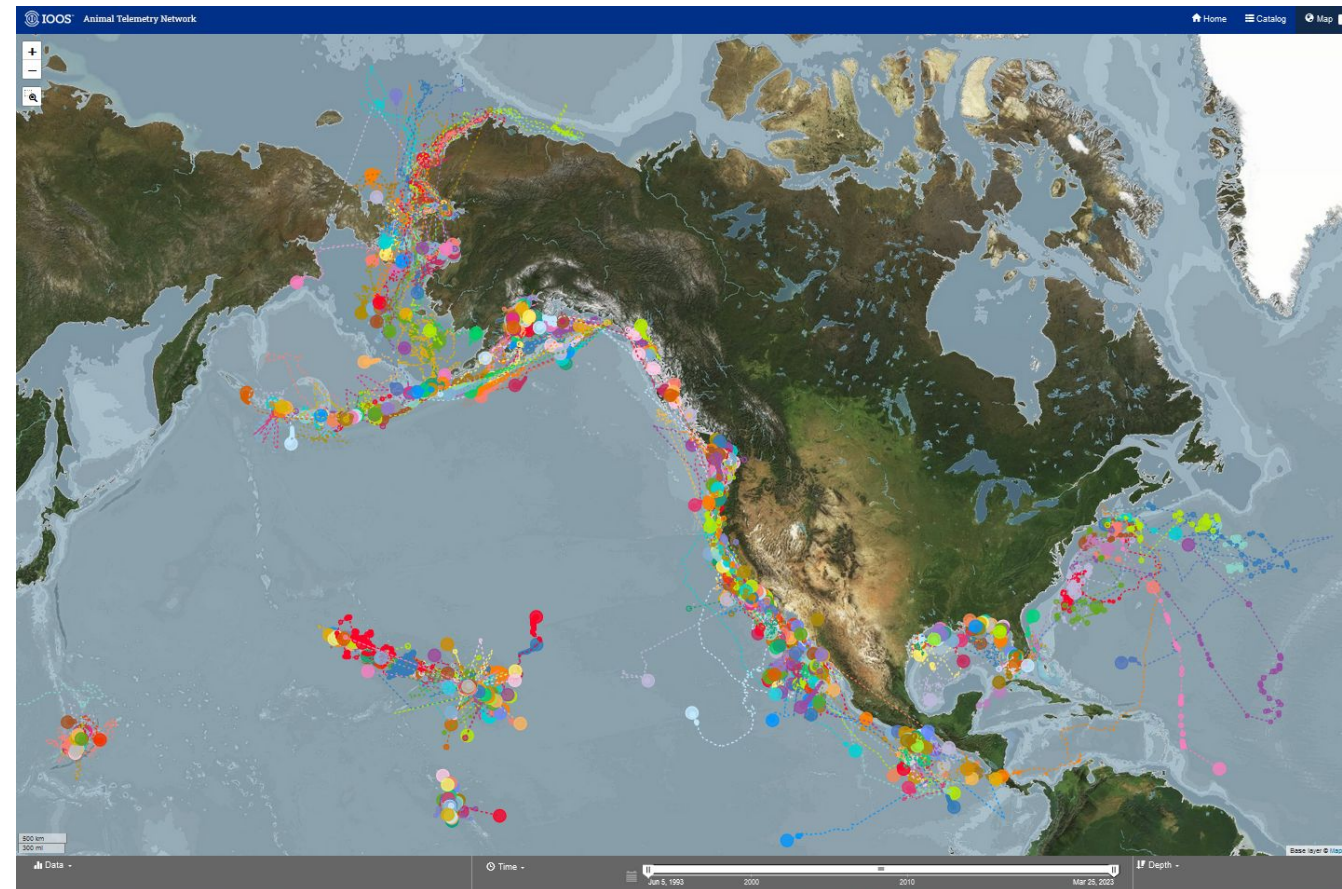


DataONE Repository – Research Workspace Member

- Long-term repository
- Manually-uploaded or auto-ingested data
- Any tag type/manufacture
- Data type agnostic
- Recommend ISO 8601, decimal degrees, WGS84, WORMs, NERC vocabs, but not required
- Curated or raw, data not QC'd
- As datasets, under RW member node
- DOI references the specific dataset
- Flexibility
- More burden on PI or data team
- Data also available via ATN portal

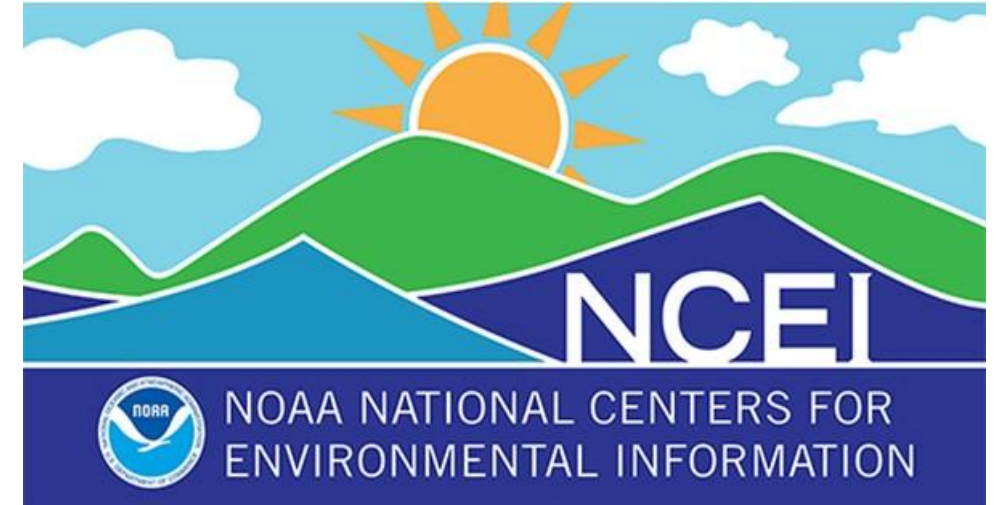


DataONE – <https://www.dataone.org>



NCEI Archive – ATN Collection

- Permanent archive, preferred federal repository
- Auto-ingested data
- Trajectory files; SPOT, SPLASH or SRDL
- NetCDF
- Follow CF, ACDD and IOOS standards; NERC vocabs
- QC'd raw data
- As individual deployments
- DOI references ATN collection, deployment-level accession numbers
- Little/no flexibility
- Less burden on PI or data team



NCEI – <https://ngdc.noaa.gov>

ATN Collection –

<https://www.ncei.noaa.gov/access/metadata/landing-page/bin/iso?id=gov.noaa.nodc:IOOS-ATN-STP>

Collection DOI – <https://doi.org/10.25921/wp4e-ph20>



Quality Control Tests

1. Impossible date test
2. Impossible location test
3. Position on land*
4. Impossible speed test
5. Global range test*
6. Pressure increasing test*
7. Spike test*

Quality Control Flags

- 1 = pass
- 2 = not evaluated
- 3 = suspect or of high interest
- 4 = fail
- 9 = missing data

* CTD (profile) data only

QARTOD – <https://ioos.noaa.gov/project/qartod/>

Manual – <https://cdn.ioos.noaa.gov/media/2020/03/Argo-QC-for-CTD-and-Trajectory-Data.pdf>

Flags – https://cdn.ioos.noaa.gov/media/2020/07/QARTOD-Data-Flags-Manual_version1.2final.pdf

NCEI Satellite Telemetry Template

QC'd data + metadata → standardized netCDF

- Trajectory template finalized
- Available on IOOS website and integrated into IOOS compliance checker
- Approved by NCEI Dataset Readiness Review Board
- netCDF 4
- Follows conventions: CF 1.9, ACDD 1.3, IOOS 1.2, NCEI 2.0
- Plus select ATN specific attributes
- Uses unidata units, ISO 8601, decimal degrees, WGS84, WoRMs
- NERC vocabularies – G04, L06, L22, S06, S10, S11
- GCMD 15.1 keywords

Where to Find and Access Public ATN Data



Animal Telemetry Network Data Portal

 EXPLORE MAP

 PROJECTS

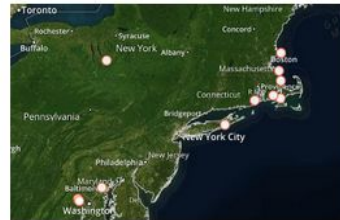
Animal Telemetry Network Portal



All Tag Deployments



Real-time Tag Deployments:
Past 30 Days



Satellite Telemetry Project
Inventory



Acoustic Telemetry Asset
Inventory

Projects

150

Species

87

Deployments

5999

Search

Type Project... X

1-10 of 182 results

All 6,250 Sensor Stations 15,690 Data Layers 14 **Project data 182** More Advanced

Dataset page



A Dataset from Bio-loggers Deployed on Adult Bearded Seals (Erignathus barbatus) in Kotzebue Sound, Alaska, USA, 2009-2012
A Dataset from Bio-Loggers Deployed on Adult Bearded Seals (Erignathus barbatus) in Kotzebue Sound, Alaska, USA (2009-2012)

19 file(s)

Bearded seals (Erignathus barbatus) are one of the most important subsistence resources for the indigenous people of coastal northern and western Alaska, as well as key components of Arctic marine ecosystems. Yet, relatively little about their abundance, seasonal distribution, migrations, or foraging behaviors has been documented scientifically. Ice-associated seal populations may be negatively impacted by offshore oil and gas development as w...



Project extent

Tags

ATN Project 182

Archived Data 62

Project page



A Dataset from Bio-loggers Deployed on Adult Bearded Seals (Erignathus barbatus) in Kotzebue Sound, Alaska, USA, 2009-2012
A Dataset from Bio-loggers Deployed on Adult Bearded Seals (Erignathus barbatus) in Kotzebue Sound, Alaska, USA, 2009-2012

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Project extent

A Dataset from Bio-loggers Deployed on Harbor Seals (Phoca vitulina) in Cook Inlet, Alaska, 2004-2007



A Dataset from Bio-loggers Deployed on Harbor Seals (Phoca vitulina) in Cook Inlet, Alaska, 2004-2007

98 file(s)

Between 2004 and 2006 we conducted four harbor seal tagging trips in Cook Inlet during the months of October and May. In total, we captured and released 93 harbor seals, 77 of which were tagged with satellite transmitters. Each transmitter was glued to the hair on the back of the seal using durable epoxy. Fourteen of



Project extent

All 6,250

Sensor Stations 15,692

Data Layers 14

Project data 182

Moving platforms 5,999

Species 87

A Dataset from Bio-loggers Deployed on Adult Bearded Seals (*Erignathus barbatus*) in Kotzebue Sound, Alaska, USA, 2009-2012

A Dataset from Bio-Loggers Deployed on Adult Bearded Seals (*Erignathus barbatus*) in Kotzebue Sound, Alaska, USA (2009-2012)

Project Overview 3

Deployments 3

Project Data (19) 1

Dataset Overview 3

Add project to map +

Downloads

+ Files 19

Abstract

Bearded seals (*Erignathus barbatus*) are one of the most important subsistence resources for the indigenous people of coastal northern and western Alaska, as well as key components of Arctic marine ecosystems. Yet, relatively little about their abundance, seasonal distribution, migrations, or foraging behaviors has been documented scientifically. Ice-associated seal populations may be negatively impacted by offshore oil and gas development as well as by climate change. Our ability to predict impacts, however, is limited by inadequate knowledge of seal population structure and foraging ecology. By working cooperatively with Alaska Native subsistence hunters we developed methods for live-capturing bearded seals in the Chukchi Sea using nets set in the shallow coastal waters where bearded seals were foraging. Capture efforts were based out of Kotzebue and various locations in the North Slope Borough from Wainwright to Barrow in June and July from 2009 to 2012. In all, 7 seals were caught (2 adults and 5 sub-adults; 4 males and three females; ranging in length and weight from 159 cm and 116 kg to 216 cm and 253 kg), all from Kotzebue Sound. Each seal was released with two different types of bio-logging devices: the SPOT5, attached to a rear flipper, provided information on the timing of hauling out and on the seal's location for up to three years. The MK10, glued to the top of a seal's head, provided the same information as well as data on the timing and depths of dives. MK10 deployments remained active up to ten months and were shed from the seal during the annual molt.

The data files within this dataset represent the 'raw' data obtained from the Wildlife Computers data portal. Each deployment (unique tag id + animal id combination) is provided as a zipped archive. The root folder also includes additional documentation. The various files and detailed column descriptions are described in the 'Spreadsheet-File-Descriptions.pdf' which was downloaded from Wildlife Computers (<https://wildlifecomputers.com/support/downloads/>). The '00_kotzeb0912_get_data.Rmd' file is an RMarkdown file that provides code and documentation of the data retrieval process. The corresponding '00_kotzeb0912_get_data.html' file is autogenerated from the RMarkdown file.



All 6,250

Sensor Stations 15,692

Data Layers 14

Project data 182

Moving platforms 5,999

Species 87

A Dataset from Bio-loggers Deployed on Adult Bearded Seals (*Erignathus barbatus*) in Kotzebue Sound, Alaska, USA, 2009-2012

Project Overview

Deployments

Project Data (19)

Add project to map

Data-Raw

19 files

Archives 1

DataONE

<https://doi.org/10.24431/rw1k31x>

deploy_stats.csv (1.4 kB)

00_kotzeb0912_get_data.html (2.7 MB)

EB2012_3003_10S0625.zip (90.3 kB)

EB2011_3002_10S0494.zip (125.4 kB)

EB2011_3000_10S0628.zip (85.8 kB)

EB2009_3001_06A1332.zip (3.8 MB)

EB2009_3000_06A1346.zip (4.1 MB)

EB2009_3002_06A1357.zip (3.2 MB)

EB2009_3001_08S0215.zip (78.1 kB)

EB2011_3001_10A0552.zip (4.1 MB)

EB2011_3000_10A0219.zip (5.2 MB)

EB2012_3003_09A0888.zip (4.8 MB)

EB2011_3002_10A0200.zip (5.2 MB)

EB2009_3000_09S0188.zip (89.5 kB)

A Dataset from Bio-loggers Deployed on Adult Bearded Seals (*Erignathus barbatus*) in Kotzebue Sound, Alaska, USA, 2009-2012

Project Overview **+** Deployments Project Data (19) **+** Add project to map **+**

Downloads **+**

DataONE <https://doi.org/10.24431/rw1k31x>

Datasets

Dataset page **→**

1 A Dataset from Bio-Loggers Deployed on Adult Bearded Seals (*Erignathus barbatus*) in Kotzebue Sound, Alaska, USA (2009-2012)

Archives **1** **+**

The map interface displays a satellite view of Kotzebue Sound, Alaska, with numerous colored tracks representing the movement of bearded seals. The tracks are concentrated in the central and eastern parts of the sound. The sidebar on the right provides the following information:

- Data aggregated in the map are for visual summary.** Displayed locations represent the position of the map cursor and do not report ingested raw data. These locations are not intended for scientific purposes.
- Time range:** Jun 23, 2009 00:00 (UTC) - May 24, 2014 05:00 (UTC)
- Filters:** 2 filters applied
- Visualization style:** Tracks
- Titles:** All (checked)
- Legend:** A list of individual seals with their IDs and checkboxes:
 - Bearded seal (67004) [checked]
 - Bearded seal (67007) [checked]
 - Bearded seal (74626) [checked]
 - Bearded seal (74627(1)) [checked]
 - Bearded seal (74630) [checked]
 - Bearded seal (83904) [checked]
 - Bearded seal (99287) [checked]

Search



1-10 of 6,250 results



All 6,250

Sensor Stations 15,891

Data Layers 14

Project data 182

More

Advanced

Global real-time and historical sensors

Global Sensors

This global real-time and historical sensor catalog integrates regional, national, and global real-time (past 4-hours) data across the Integrated Ocean Observing System (IOOS) enterprise. Data are from meteorologic and oceanographic observing systems operated by IOOS Regional Associations and local data providers within these regions are represented. Over 40,000 in-situ stations are represented in the map, including weather stations, stream ga...



Add to map +

Downloads

NOAA CoastWatch, Sea Surface Height Anomalies from Altimetry, Global, 2017-present, EXPERIMENTAL

Sea Level Anomalies

Feb 13, 2017 00:00 (UTC) to Jun 27, 2024 00:00 (UTC)

The altimetry data are from RADS (<http://rads.tudelft.nl/rads/rads.shtml>), the Radar Altimetry Database System, first developed at Delft University of Technology, now also at the NOAA and the European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT). The RADS data for each mission is updated with state of the art corrections for tides, atmospheric path delay, etc. Because they are all computed consistently between the ...



Add to map +

Downloads

Chlorophyll (Gap-filled DINEOF), NOAA S-NPP NOAA-20, VIIRS, Science Quality, Global 9km, 2018-recent, Daily

Chlorophyll Concentration, DINEOF Gap-Filled

May 30, 2018 12:00 (UTC) to Oct 1, 2023 12:00 (UTC)

Visible and Infrared Imager/Radiometer Suite/Suomi-NPP NOAA-20 (VIIRS) Level-3 (WW00), Chlorophyll, DINEOF, Gap filled, MSL12, Science Quality, Global, Daily, processed by NOAA. EXPERIMENTAL.



Add to map +

Downloads

Tags

ATN Project

150

Archived Data

30

Search

Archive... X

1-10 of 30 results

All 30

Sensor Stations 15,701

Data Layers 14

Project data 182

More

Advanced

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Tags

ATN Project 30

Archived Data 30

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Between 2004 and 2006 we conducted four harbor seal tagging trips in Cook Inlet during the months of October and May. In total, we captured and released 93 harbor seals, 77 of which were tagged with satellite transmitters. Each transmitter was glued to the hair on the back of the seal using durable epoxy. Fourteen of the seals were also equipped with specially developed transmitters that were attached to one of the rear flippers. Transmissions...



Alaska Juvenile Steller Sea Lion Telemetry Dataset from the Eastern Aleutian Islands, 2000-2002

To better understand potential mechanisms underlying continued population declines of Steller sea lions in Alaska, we captured and deployed satellite-linked transmitters on 30 juvenile (ages 5-21 months) Steller sea lions during 2000-2003 to better understand habitat use, movements, and foraging behavior among the among the eastern Aleutian Islands. These data were used in publications of sea lion diving behavior and habitat use (Loughlin et ...



At-Sea Distribution of Steller Sea Lions in the Western-Central Aleutian Islands, 2000-2013

tuna

Q X Archive... X

1-2 of 2 results

All 2

Sensor Stations 3

Data Layers 0

Project data 4

Moving platforms 9

More

Advanced

Palmyra Bluewater Research (PBR) Megafauna Movement Ecology Project, 2022-2023

May 30, 2022 10:00 (UTC) to Jan 18, 2023 10:00 (UTC)

melon-headed whales (*Peponocephala electra*), and geolocation data from yellowfin **tuna** (*Thunnus albacares*), grey reef sharks (*Carcharhinus amblyrhynchos*)



Tags

ATN Project 2

X Archived Data 2

Palmyra Blue Water Research - Cetacean Movement Ecology, 2022-2023

and quantify habitat use and nearshore/offshore movements of megafauna (cetaceans, seabirds, **tunas**, sharks, manta rays) that are encountered at Palmyra



Palmyra Bluewater Research (PBR) Megafauna Movement Ecology Project, 2022-2023

Project Overview 6

Deployments 3

Project Data (86) 4

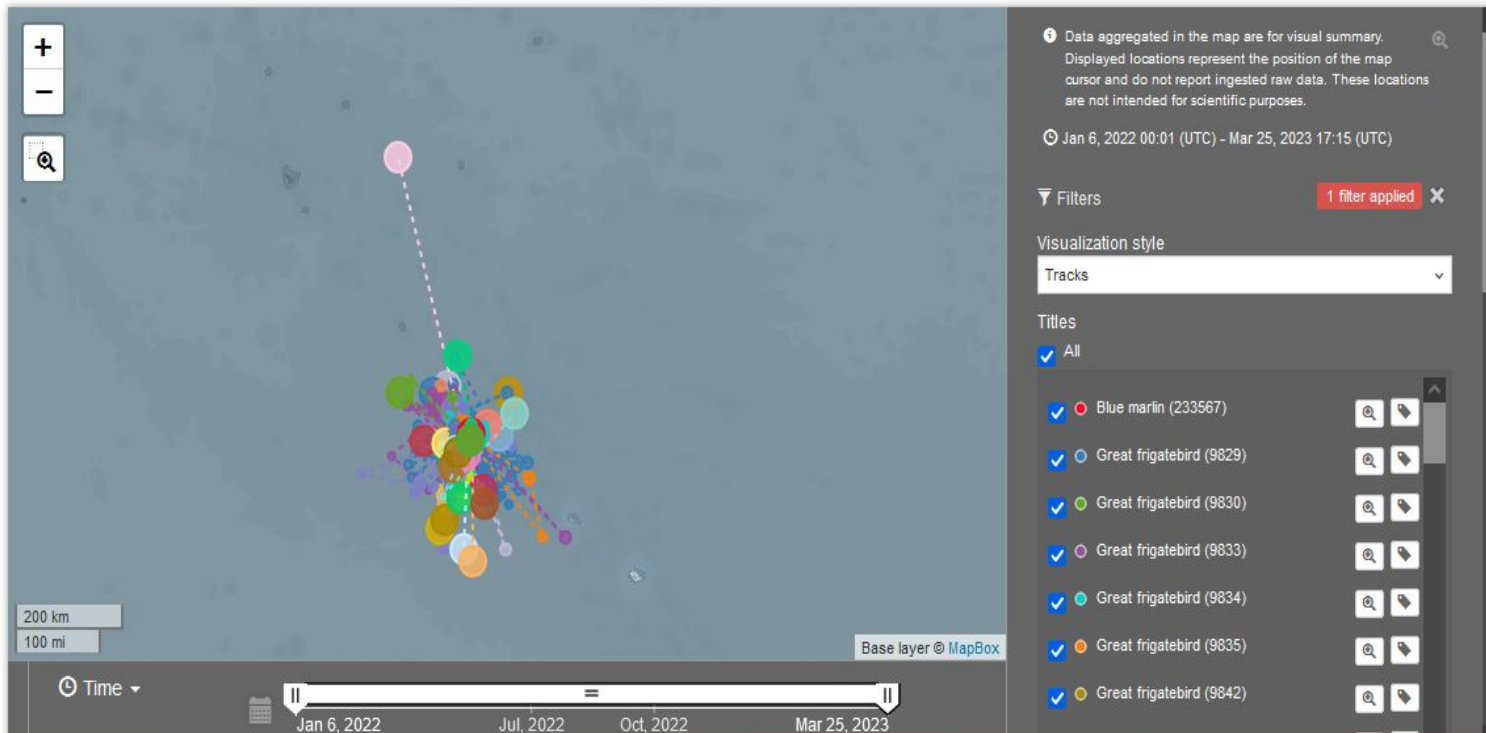
Add project to map +

Downloads

Datasets

Palmyra Bluewater Research Marine Animal Telemetry Dataset, 2022-2023

Archives 1










Palmyra Bluewater Research (PBR) Megafauna Movement Ecology Project, 2022-2023

Project Overview 3 **Deployments** 3 Project Data (86) 1 [Add project to map +](#)

Downloads ▾

Search: tuna

Deployment	Tag Manufacturer	Coverage start	Coverage end	Type	Animal ID
 Yellowfin tuna (209100)	WildlifeComputers	Jun 26, 2022 14:46 (UTC)	Jul 14, 2022 07:00 (UTC)	trajectory	THUALB_2022_14
 Yellowfin tuna (233564)	WildlifeComputers	Jun 3, 2022 16:00 (UTC)	Aug 16, 2022 19:05 (UTC)	trajectory	THUALB_2022_06
 Yellowfin tuna (233565)	WildlifeComputers	May 30, 2022 16:00 (UTC)	Jul 24, 2022 07:52 (UTC)	trajectory	THUALB_2022_02
 Yellowfin tuna (233566)	WildlifeComputers	May 31, 2022 00:00 (UTC)	Jul 17, 2022 09:00 (UTC)	trajectory	THUALB_2022_03
 Yellowfin tuna (233568)	WildlifeComputers	May 31, 2022 19:00 (UTC)	Dec 11, 2022 09:36 (UTC)	trajectory	THUALB_2022_04
 Yellowfin tuna (233570)	WildlifeComputers	Jul 2, 2022 17:58 (UTC)	Jul 24, 2022 17:01 (UTC)	trajectory	THUALB_2022_01
 Yellowfin tuna (233571)	WildlifeComputers	Jul 5, 2022 15:05 (UTC)	Aug 4, 2022 16:03 (UTC)	trajectory	THUALB_2022_08

Showing 1 to 9 of 9 entries (filtered from 52 total entries)

Yellowfin tuna (233568) (animal)

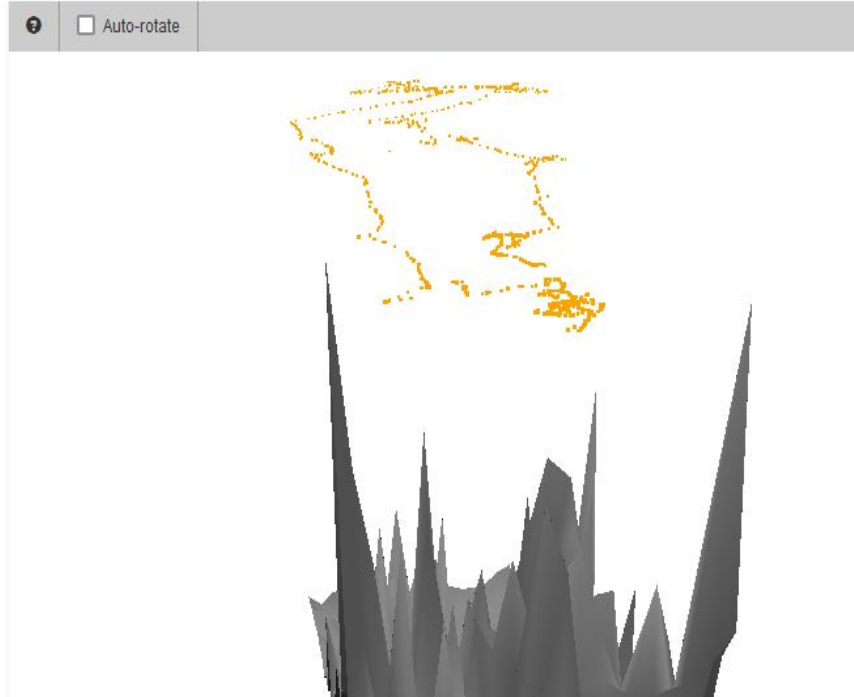
Add deployment to map +

Data sources GPE3

Done



Auto-rotate



All 2

Sensor Stations 3

Data Layers 0

Project data 4

Moving platforms 9

Species 1

Archive 86 files Archives 1

RFBO_2022_21-igotu_15.zip (64.5 kB)

RFBO_2022_13-igotu_16.zip (63.8 kB)

RFBO_2022_07-igotu_11.zip (71.2 kB)

RFBO_2022_05-igotu_23.zip (105.8 kB)

RFBO_2022_09-igotu_20.zip (87.1 kB)

RFBO_2022_12-igotu_28.zip (82.7 kB)

RFBO_2022_06-igotu_25.zip (97.9 kB)

RFBO_2022_04-igotu_06.zip (72.1 kB)

RFBO_2022_03-igotu_16.zip (122.3 kB)

RFBO_2022_02-igotu_22.zip (30.8 kB)

RFBO_2022_01-igotu_04.zip (75.4 kB)

RFBO_2022_18-igotu_17.zip (64.1 kB)

RFBO_2022_16-igotu_10.zip (103.8 kB)

RFBO_2022_15-igotu_08.zip (39.1 kB)

RFBO_2022_14-igotu_02.zip (109.1 kB)

RFBO_2022_11-igotu_30.zip (71.4 kB)

RFBO_2022_10-igotu_07.zip (113.3 kB)

Gilmour_ATN Tag Deployment Metadata_Palmyra Atoll 2022-2023.csv (54.2 kB)

THUALB_2022_12-PTT_209088.zip (13.3 kB)

THUALB_2022_10-DTT_200000.zip (1.8 MB)

ATN Data Portal

TagManufacturer	TagModel	TagSerialNumber	TagCalibrationDate	Sensors	TagIDType	TagID	Alternative	Alternative	ArgosProg	WMOPlatf	DeploymentID	DeploymentStartDateTime	DeploymentStopDateTime	DeploymentLoc	Deployme	Deployme	Platform	AnimalCommonNar
Wildlife Computers	MiniPAT-348	21P2097	unknown	none	ptt_id	233554	NA	NA	7501	NA	CARAMB_2022_01-PTT_233554	2022-05-30T01:30:00Z	2023-05-15T07:46:00Z	Palmyra Atoll, U	5.87553	-162	fish	grey reef shark
Wildlife Computers	MiniPAT-348	21P2064	unknown	none	ptt_id	233546	NA	NA	7501	NA	CARAMB_2022_02-PTT_233546	2022-05-31T00:42:00Z	2022-11-27T20:00:00Z	Palmyra Atoll, U	5.87358	-162.163	fish	grey reef shark
Wildlife Computers	MiniPAT-348	21P2094	unknown	none	ptt_id	233551	NA	NA	7501	NA	CARAMB_2022_03-PTT_233551	2022-05-30T23:47:00Z	2022-05-30T23:47:00Z	Palmyra Atoll, U	5.8827	-162.18	fish	grey reef shark
Wildlife Computers	MiniPAT-348	21P2095	unknown	none	ptt_id	233552	NA	NA	7501	NA	CARAMB_2022_04-PTT_233552	2022-05-31T00:06:00Z	2022-05-31T00:06:00Z	Palmyra Atoll, U	5.88018	-162.178	fish	grey reef shark
Wildlife Computers	MiniPAT-348	21P2065	unknown	none	ptt_id	233547	NA	NA	7501	NA	CARAMB_2022_05-PTT_233547	2022-06-01T00:44:00Z	2022-11-28T20:00:00Z	Palmyra Atoll, U	5.86755	-163.007	fish	grey reef shark
Wildlife Computers	MiniPAT-348	21P2093	unknown	none	ptt_id	233550	NA	NA	7501	NA	CARAMB_2022_06-PTT_233550	2022-06-01T01:23:00Z	2022-10-18T00:00:00Z	Palmyra Atoll, U	5.86672	-162.009	fish	grey reef shark
Wildlife Computers	MiniPAT-348	21P2066	unknown	none	ptt_id	233548	NA	NA	7501	NA	CARAMB_2022_07-PTT_233548	2022-06-01T01:50:00Z	2022-12-31T14:00:00Z	Palmyra Atoll, U	5.86757	-162.008	fish	grey reef shark
Wildlife Computers	MiniPAT-348	21P2096	unknown	none	ptt_id	233553	NA	NA	7501	NA	CARAMB_2022_08-PTT_233553	2022-06-02T21:33:00Z	2022-12-14T03:00:00Z	Palmyra Atoll, U	5.87665	-162.163	fish	grey reef shark
Wildlife Computers	MiniPAT-348	21P2068	unknown	none	ptt_id	233549	NA	NA	7501	NA	CARGAL_2022_01-PTT_233549	2022-05-30T23:35:00Z	2022-05-30T23:59:00Z	Palmyra Atoll, U	5.87785	-162.177	fish	Galapagos shark
e-obs	BirdSolar15g	9829	2022-05-06T00:00:00Z	none	serial_no	9829	NA	NA	NA	NA	GRFR_2022_01-eobs_9829	2022-06-01T18:37:00Z	2023-03-29T23:59:00Z	Palmyra Atoll, U	5.8801	-162.074	seabird an	great frigatebird
e-obs	BirdSolar15g	9830	2022-05-06T00:00:00Z	none	serial_no	9830	NA	NA	NA	NA	GRFR_2022_02-eobs_9830	2022-06-01T19:15:00Z	2022-06-15T18:25:00Z	Palmyra Atoll, U	5.87991	-162.074	seabird an	great frigatebird
e-obs	BirdSolar15g	9832	2022-05-06T00:00:00Z	none	serial_no	9832	NA	NA	NA	NA	GRFR_2022_03-eobs_9832	2022-06-02T19:52:00Z	NA	Palmyra Atoll, U	5.8799	-162.073	seabird an	great frigatebird
e-obs	BirdSolar15g	9833	2022-05-06T00:00:00Z	none	serial_no	9833	NA	NA	NA	NA	GRFR_2022_04-eobs_9833	2022-06-01T21:02:00Z	2022-07-29T01:50:00Z	Palmyra Atoll, U	5.87966	-162.072	seabird an	great frigatebird
e-obs	BirdSolar15g	9834	2022-05-06T00:00:00Z	none	serial_no	9834	NA	NA	NA	NA	GRFR_2022_05-eobs_9834	2022-06-02T18:01:00Z	2022-07-10T04:05:00Z	Palmyra Atoll, U	5.87992	-162.074	seabird an	great frigatebird
e-obs	BirdSolar15g	9835	2022-05-06T00:00:00Z	none	serial_no	9835	NA	NA	NA	NA	GRFR_2022_06-eobs_9835	2022-06-02T19:15:00Z	2022-06-15T19:20:00Z	Palmyra Atoll, U	5.87966	-162.072	seabird an	great frigatebird
e-obs	BirdSolar15g	9842	2022-05-06T00:00:00Z	none	serial_no	9842	NA	NA	NA	NA	GRFR_2022_07-eobs_9842	2022-06-02T19:45:00Z	2022-06-15T21:18:00Z	Palmyra Atoll, U	5.87964	-162.072	seabird an	great frigatebird
e-obs	BirdSolar15g	9843	2022-05-06T00:00:00Z	none	serial_no	9843	NA	NA	NA	NA	GRFR_2022_08-eobs_9843	2022-06-03T18:11:00Z	2022-08-06T01:15:00Z	Palmyra Atoll, U	5.87963	-162.072	seabird an	great frigatebird
Wildlife Computers	MiniPAT-348	21P2113	unknown	none	ptt_id	233567	NA	NA	7501	NA	MAKNIG_2022_01-PTT_233567	2022-05-29T21:01:00Z	2022-08-06T05:11:00Z	Palmyra Atoll, U	5.99837	-162.056	fish	blue marlin
Wildlife Computers	MiniPAT-348	21P2098	unknown	none	ptt_id	233555	NA	NA	7501	NA	MOBALF_2022_01-PTT_233555	2022-05-29T23:45:00Z	2022-08-28T20:33:00Z	Palmyra Atoll, U	5.87372	-161.996	fish	reef manta ray
Wildlife Computers	MiniPAT-348	21P2099	unknown	none	ptt_id	233556	NA	NA	7501	NA	MOBALF_2022_02-PTT_233556	2022-05-30T00:17:00Z	2022-05-30T00:17:00Z	Palmyra Atoll, U	5.87372	-161.996	fish	reef manta ray
Wildlife Computers	MiniPAT-348	21P2101	unknown	none	ptt_id	233558	NA	NA	7501	NA	MOBALF_2022_03-PTT_233558	2022-05-30T00:31:00Z	2022-05-30T00:31:00Z	Palmyra Atoll, U	5.8707	-161.999	fish	reef manta ray
Wildlife Computers	MiniPAT-348	21P2106	unknown	none	ptt_id	233562	NA	NA	7501	NA	MOBALF_2022_04-PTT_233562	2022-05-30T00:37:00Z	2022-05-30T00:37:00Z	Palmyra Atoll, U	5.87207	-161.997	fish	reef manta ray
Wildlife Computers	MiniPAT-348	21P2100	unknown	none	ptt_id	233557	NA	NA	7501	NA	MOBALF_2022_05-PTT_233557	2022-06-02T00:00:00Z	2022-06-07T18:01:00Z	Palmyra Atoll, U	5.87742	-162.106	fish	reef manta ray
Wildlife Computers	MiniPAT-348	21P2107	unknown	none	ptt_id	233563	NA	NA	7501	NA	MOBALF_2022_06-PTT_233563	2022-06-02T00:00:00Z	2023-04-25T07:00:00Z	Palmyra Atoll, U	5.87742	-162.106	fish	reef manta ray
Wildlife Computers	MiniPAT-348	21P2104	unknown	none	ptt_id	233560	NA	NA	7501	NA	MOBALF_2022_07-PTT_233560	2022-06-02T00:00:00Z	2022-06-02T00:00:00Z	Palmyra Atoll, U	5.87742	-162.106	fish	reef manta ray
Wildlife Computers	MiniPAT-348	21P2102	unknown	none	ptt_id	233559	NA	NA	7501	NA	MOBALF_2022_08-PTT_233559	2022-06-02T00:00:00Z	2023-03-29T20:00:00Z	Palmyra Atoll, U	5.87742	-162.106	fish	reef manta ray
Wildlife Computers	SPLASH10-F	22A0247	unknown	pressure	ptt_id	232337	NA	NA	15399	NA	PEPELE_2022_01-PTT_232337	2022-05-31T03:19:00Z	2022-05-31T07:12:00Z	Palmyra Atoll, U	5.86917	-162.165	cetacean	melon-headed whale
Wildlife Computers	SPOT6-365	19U1230	unknown	none	ptt_id	197370	NA	NA	15399	NA	PEPELE_2022_02-PTT_197370	2022-05-31T03:33:00Z	2022-06-06T05:02:00Z	Palmyra Atoll, U	5.87205	-162.174	cetacean	melon-headed whale
Wildlife Computers	SPLASH10	18A0227	unknown	pressure	ptt_id	141732	NA	NA	15399	NA	PEPELE_2022_03-PTT_141732	2022-05-31T03:41:00Z	2022-05-31T10:14:00Z	Palmyra Atoll, U	5.87297	-162.178	cetacean	melon-headed whale
Wildlife Computers	SPLASH10-F	22A0248	unknown	pressure	ptt_id	232338	NA	NA	15399	NA	PEPELE_2022_04-PTT_232338	2022-06-01T18:55:00Z	2022-06-08T07:41:00Z	Palmyra Atoll, U	5.86369	-162.087	cetacean	melon-headed whale
Wildlife Computers	SPLASH10-F	22A0249	unknown	pressure	ptt_id	232339	NA	NA	15399	NA	PEPELE_2022_05-PTT_232339	2022-06-01T19:10:00Z	2022-06-16T09:17:00Z	Palmyra Atoll, U	5.86367	-162.08	cetacean	melon-headed whale
Wildlife Computers	SPLASH10	17A1055	unknown	pressure	ptt_id	169420	NA	NA	15399	NA	PEPELE_2022_06-PTT_169420	2022-06-01T19:24:00Z	2022-06-18T19:28:00Z	Palmyra Atoll, U	5.86011	-162.072	cetacean	melon-headed whale
Wildlife Computers	SPOT6-365	20U2069	unknown	none	ptt_id	208877	NA	NA	15399	NA	PEPELE_2022_07-PTT_208877	2022-06-01T19:42:00Z	2022-06-16T05:35:00Z	Palmyra Atoll, U	5.85841	-162.078	cetacean	melon-headed whale
Wildlife Computers	SPOT6-365	20U2070	unknown	none	ptt_id	208878	NA	NA	15399	NA	PEPELE_2022_08-PTT_208878	2022-06-01T20:51:00Z	2022-06-14T08:57:00Z	Palmyra Atoll, U	5.85996	-162.096	cetacean	melon-headed whale
i-gotU	GT-120	NA	2022-05-09T00:00:00Z	none	user_id	4	NA	NA	NA	NA	RFBO_2022_01-igotu_04	2022-05-29T19:44:00Z	2022-05-31T18:29:00Z	Palmyra Atoll, U	5.87746	-162.091	seabird an	red-footed booby
i-gotU	GT-120	NA	2022-05-09T00:00:00Z	none	user_id	22	NA	NA	NA	NA	RFBO_2022_02-igotu_22	2022-05-29T19:57:00Z	2022-06-01T18:40:00Z	Palmyra Atoll, U	5.87745	-162.091	seabird an	red-footed booby
i-gotU	GT-120	NA	2022-05-09T00:00:00Z	none	user_id	16	NA	NA	NA	NA	RFBO_2022_03-igotu_16	2022-05-29T20:10:00Z	2022-06-02T16:28:00Z	Palmyra Atoll, U	5.87707	-162.091	seabird an	red-footed booby
i-gotU	GT-120	NA	2022-05-09T00:00:00Z	none	user_id	6	NA	NA	NA	NA	RFBO_2022_04-igotu_06	2022-05-29T21:14:00Z	2022-05-31T19:40:00Z	Palmyra Atoll, U	5.87637	-162.092	seabird an	red-footed booby

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Morgan Gilmour, Josh Adams, Barbara Block, Jennifer Caselle, Alex Filous, Alan Friedlander, Eddie Game, Elliott Hazen, Marie Hill, Nick Holmes, Kevin Lafferty, Sara Maxwell, Doug McCauley, Erin Oleson, Kydd Pollock, Robert Schallert, Scott Shaffer, Nick Wolff, and Alex Wegmann

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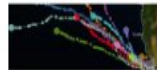
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Marine animal satellite telemetry and profile data from the U.S. Animal Telemetry Network (ATN) Data Assembly Center (DAC) since 1992



Preview graphic

This dataset contains satellite telemetry location and profile data collected from satellite-linked archiving tags deployed on various marine animals by numerous organizations. The data were collected and submitted to the Integrated Ocean Observing System's (IOOS) Animal Telemetry Network (ATN) Data Assembly Center. These data are submitted as netCDF files to the National Centers for Environmental Information (NCEI) for ATN by Axiom Data Science.

Dataset Citation

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Dataset Citation	Cite as: IOOS Animal Telemetry Network (2023). Marine animal satellite telemetry and profile data from the U.S. Animal Telemetry Network (ATN) Data Assembly Center (DAC) since 1992. [indicate subset used]. NOAA National Centers for Environmental Information. Dataset. https://doi.org/10.25921/wp4e-ph20 . Accessed [date].
Cited Authors	<i>IOOS Animal Telemetry Network</i>
Contributors	<i>California State University - Long Beach (CSULB)</i>
Resource Providers	<i>Integrated Ocean Observing System (IOOS) Animal Telemetry Network (ATN)</i>
Points of Contact	U.S. Animal Telemetry Network Coordinator <i>Integrated Ocean Observing System (IOOS) Animal Telemetry Network (ATN)</i>
Publishers	<i>NOAA National Centers for Environmental Information</i>



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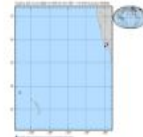
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This dataset contains satellite telemetry location data collected from a Wildlife Computers SPOT5 tag (ptt 45866) deployed on a great white shark (*Carcharodon carcharias*) by Chris G. Lowe in the North Pacific Ocean and Papahānaumokuākea Marine National Monument from 2009-09-23 to 2009-11-23. The data were collected as part of the Project White Shark: Juvenile Satellite Biotelemetry, 2001-2020 project by the California State University Long Beach. These data are submitted as netCDF files to the National Centers for Environmental Information (NCEI) for the Integrated Ocean Observing System's (IOOS) Animal Telemetry Network (ATN) Data Assembly Center by Axiom Data Science.

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