

Pacific Arctic Group: USA Country Report

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**PACIFIC ARCTIC GROUP
2015 MEETING**

**APRIL 25, 2015
ASSW 2015
TOYAMA, JAPAN**

CCGS Sir Wilfrid Laurier

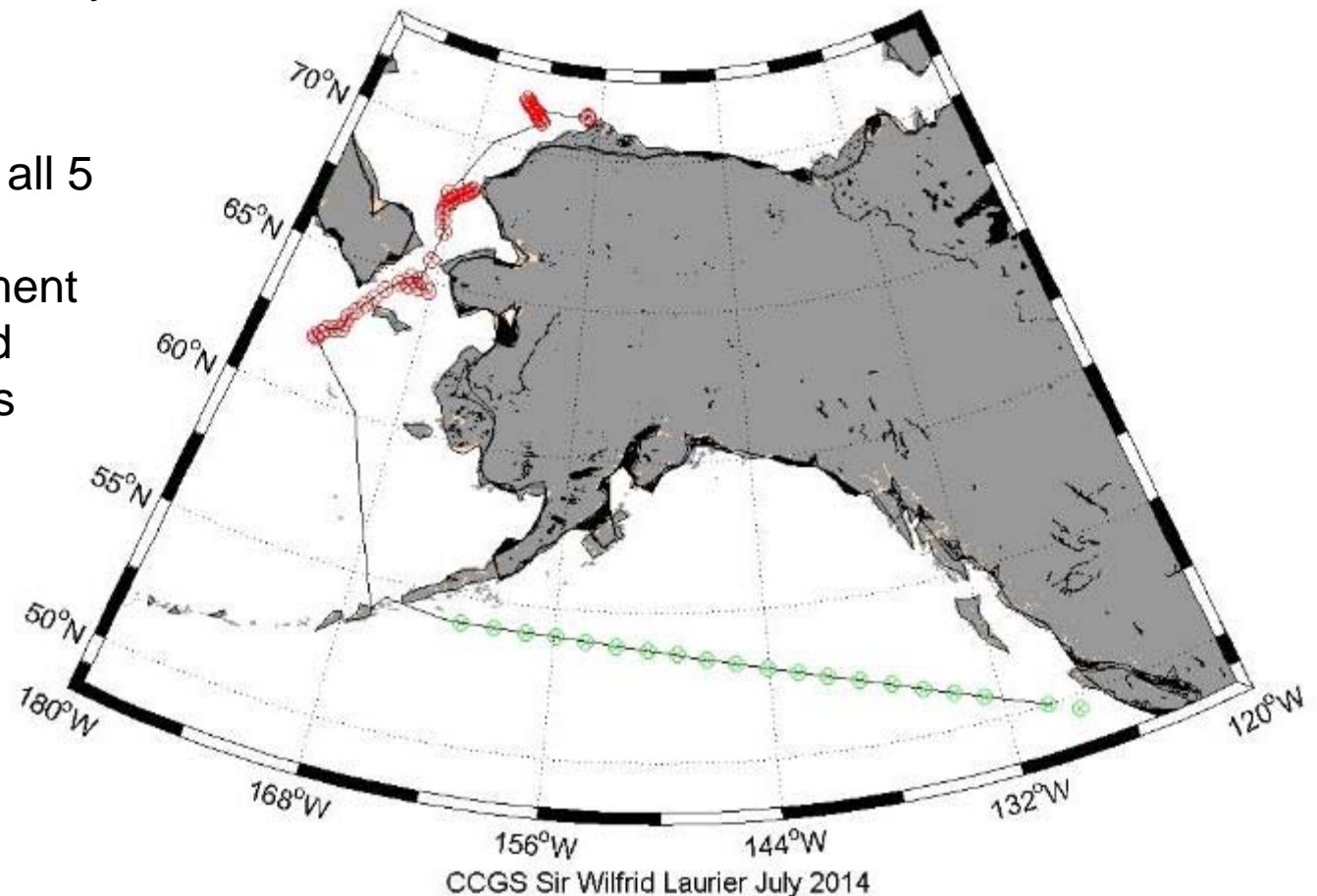
04 - 24 July 2015: Victoria BC to Barrow AK

Chief Scientist: Svein Vagle

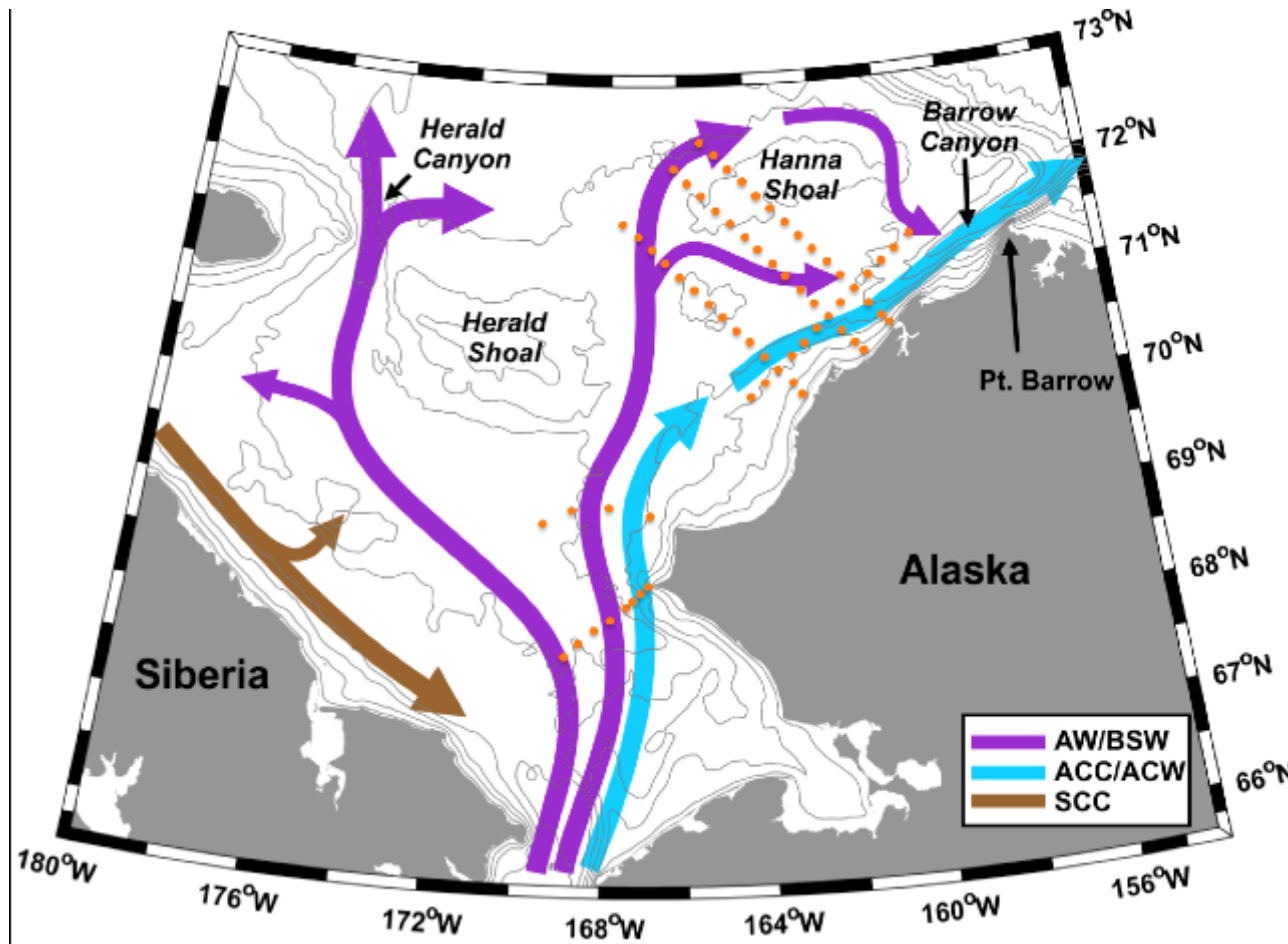
Collaborations: C3O-DFO - DBO (Jackie Grebmeier)

Green stations are underway
UCTD to 400 m.

Red stations are DBO
sampling stations along all 5
DBO lines (CTD/ADCP,
water column and sediment
parameters, seabird and
marine mammal surveys)



Arctic Marine Biodiversity Monitoring Network (AMBON)-w DBO 3 and 4

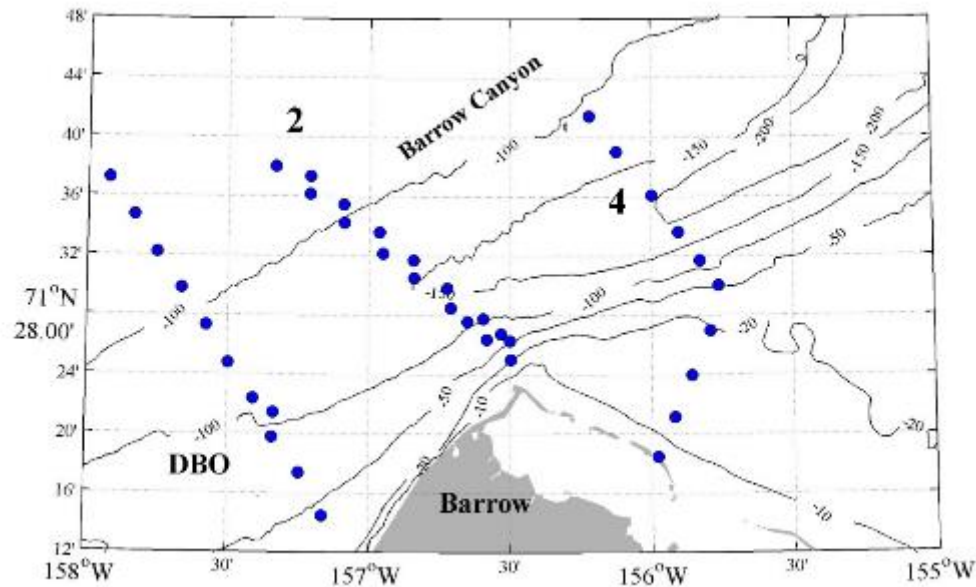


- Physics
- Plankton
- Benthos
- Fish
- Birds & Mammals

2015-2017

Ashjian, Campbell, Okkonen – AON

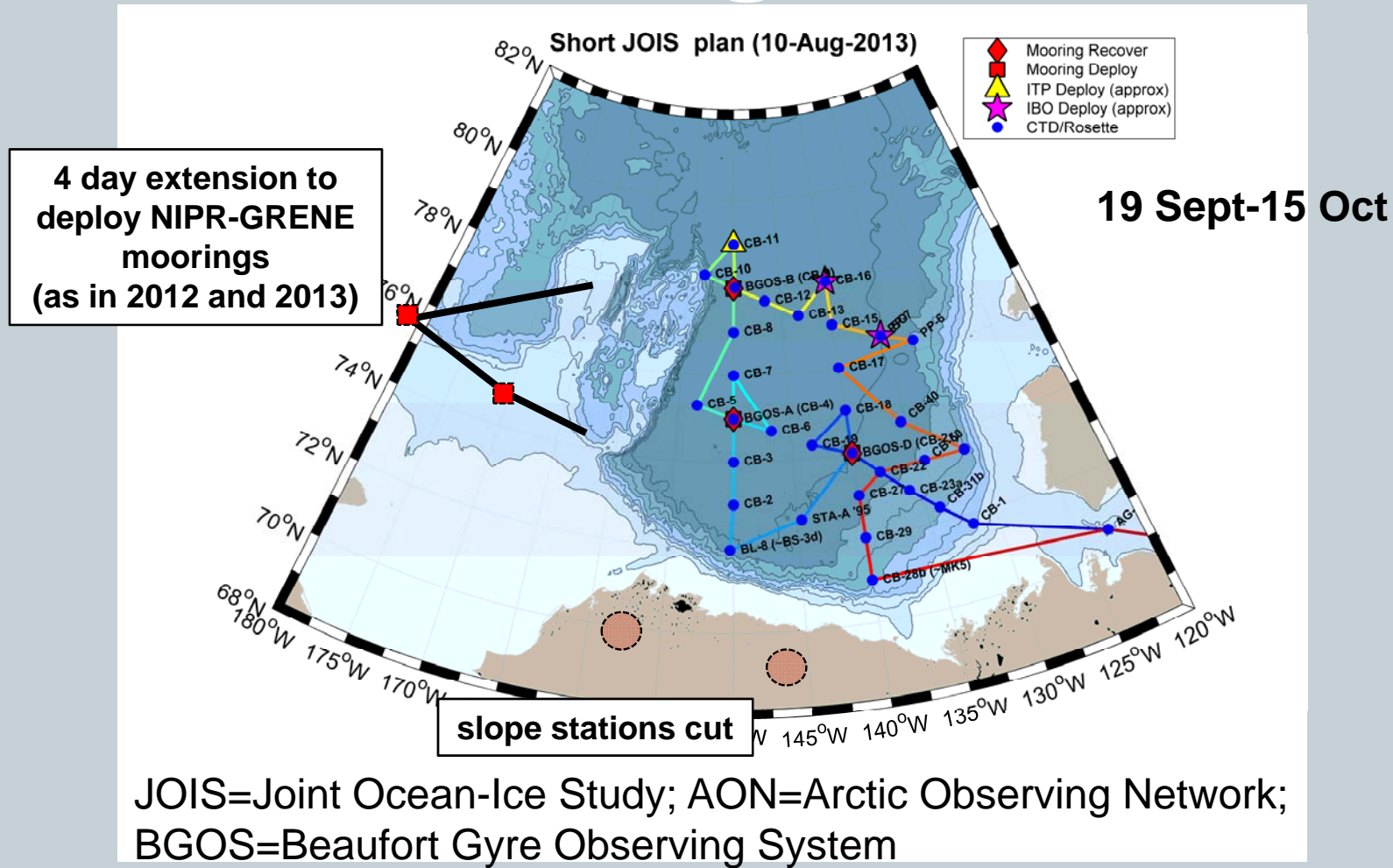
~August 18 – September 8, 2015, similar plan as 2014
(Line 2 sampled twice)



R/V Annika Marie

- Temperature, salinity, chlorophyll and CDOM fluorescence, OBS from towed profiler
- Velocity and acoustic backscatter from towed ADCP
- Chlorophyll, nutrients, FCMs, microzooplankton from Niskin bottles
- Mesozooplankton from ring nets and Tucker Trawls

SCIENCE-Basin JOIS/AON BGOS (Canada-USA-Japan)



(courtesy Bill Williams, IOS)

2015 PAG and DBO Field Season: Sampling Contributors. Projects Key: AON=US Arctic Observing Network; ARCWEST=Arctic Whale Ecology Study; C30=Canada's Three Oceans; JAMSTEC= Japan Agency for Marine-Earth Science and Technology; KOPRI = Korea Polar Research Institute. DBO Region Key: DBO1=So. St. Lawrence Is., DBO2=Chirikov Basin, DBO3=So Chukchi Sea, DBO4=NE Chukchi Sea, DBO5=Barrow Canyon, DBO6=East Beaufort Sea, DBO7=Beaufort Sea Central

Dates (Port calls)	Ship	DBO Region	Projects	PAG contact	Chief Scientist
July 2-8 (Nome-Nome)	Norseman II	3	Bering Strait Mooring Project/AON?	Rebecca Woodgate woodgate@apl.washington.edu	Rebecca Woodgate woodgate@apl.washington.edu
July 11-22 (Nome-Nome)	Norseman II	-	USGS	Jackie Grebmeier jgrebmei@umces.edu ;	USGS-walrus tagging?
July 4-25 (Victoria, BC-Barrow)	Sir Wilfrid Laurier	1,2,3,4,5; + moorings at 1, 3	C30/DBO, plus JAMSTEC DBO moorings	Jackie Grebmeier jgrebmei@umces.edu	Svein Vagle Svein.Vagle@dfo-mpo.gc.ca
July 30-Aug 5	Norseman II	DBO6,7 (Beaufort)	ANIMIDA	Jackie Grebmeier jgrebmei@umces.edu	Ken Dunton
August-Sept (Dutch-Barrow)	Healy	-	GEOTRACERS	TBD	David Kadko dkadko@fiu.edu
Aug 18-Sept 7 (Barrow-Barrow)	Annika Marie	5	AON	Carin Ashjian cashjian@whoi.edu	Carin Ashjian cashjian@whoi.edu
Aug-Sept	Alaska Explorer	1 and/or 2	Arctic Eis	Ed.Farley@noaa.gov	Franz Mueter mueter@alaska.edu
Aug 6-Sept 2 (Prudhoe Bay-Wainwright)	Araon	3	Korean Expedition (KOPRI)	Sung-Ho Khang shkang@kopri.re.kr	Eun Jin Yang ejyang@kopri.re.kr
Aug 9-Sept 2	Norseman II	3, 4	AMBON	Jackie Grebmeier jgrebmei@umces.edu	Katrin Iken Iken@alaska.edu
Aug 20-28	Brown	3,4,5,6	NOAA/PMEL	Phyllis.Stabeno@noaa.gov	Phyllis.Stabeno@noaa.gov
Sept (Anadyr-Anadyr)	Viktor Buynitsky	3 (full)	RUSALCA Bering Strait mooring	Kathy.Crane@noaa.gov Phyllis.Stabeno@noaa.gov	Kathy.Crane@noaa.gov
Sept 4-12	Norseman II	?4	Winsor gliders	Jackie Grebmeier jgrebmei@umces.edu	Peter Winsor
Aug 15-Sept 10	Mirai	3,5	JAMSTEC	Takashi Kikuchi takashik@jamstec.go.jp	Shigeto Nishino nishinos@jamstec.go.jp
Sept-Oct	Louis S St-Laurent	-	JOIS	Bill Williams Bill.Williams@dfo-mpo.gc.ca	Bill Williams Bill.Williams@dfo-mpo.gc.ca
Sept-Oct	Sir Wilfrid Laurier	4		Bill Williams Bill.Williams@dfo-mpo.gc.ca	Humfrey.Melling@dfo-mpo.gc.ca

Bio-physical mooring NE Chukchi Sea 2015-2020 (Science and Industry)

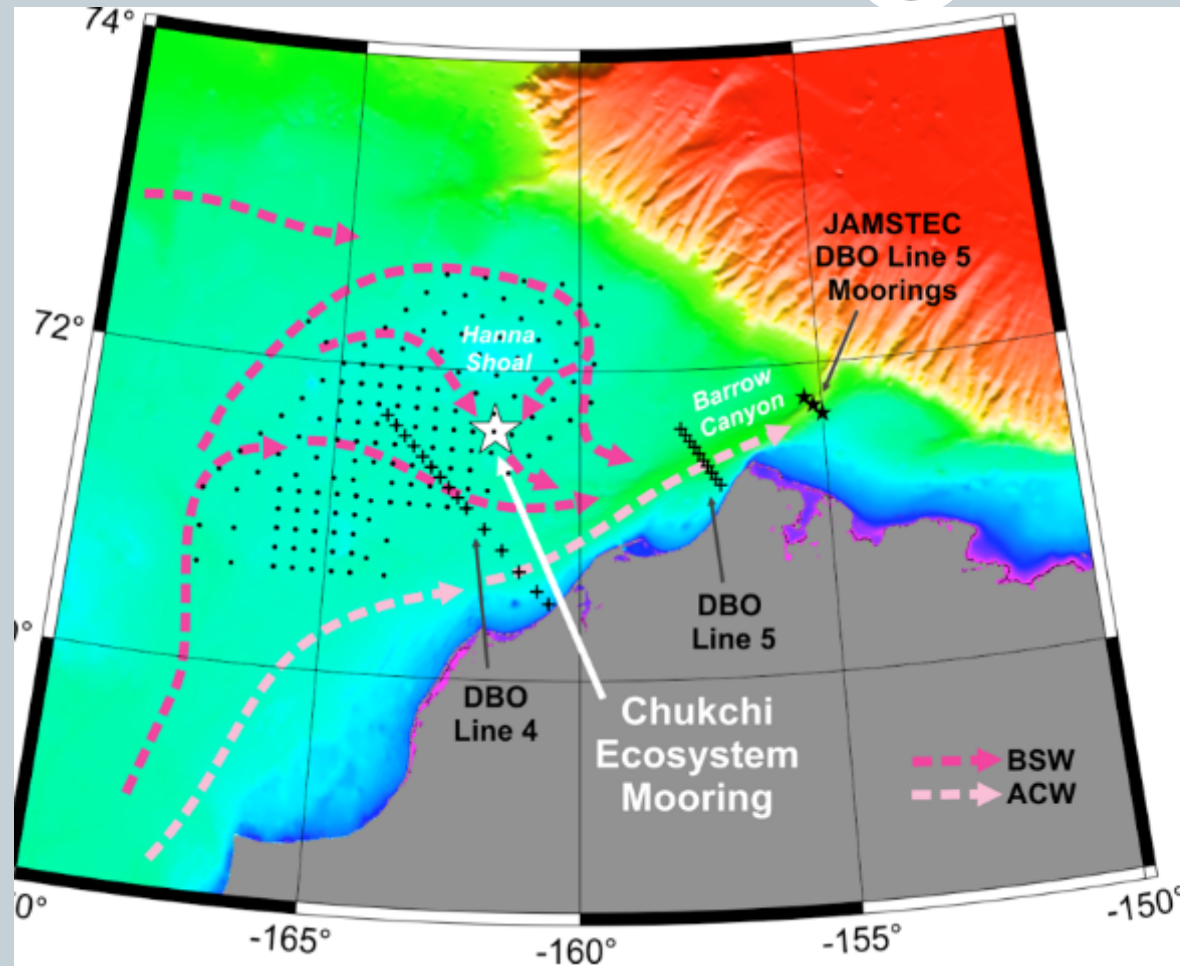


Figure 1. Map of the NE Chukchi Sea, with color-shaded bathymetry, place names, idealized depictions of the flow field (arrows) and sampling locations of the Distributed Biological Observatory (DBO; pluses); the Chukchi Sea Environmental Studies Program (CSESP; dots and pluses on DBO Line 4), and DBO Line 5 moorings maintained by the Japanese Agency for Marine-Earth Science and Technology (JAMSTEC, black stars). BSW = Bering Shelf Water; ACW = Alaska Coastal Water.

[courtesy S. Danielson]

Online:

- HF Radar Daily Averages
- Blog
- Links to Animations

Chukchi & Western Beaufort Circulation Study

BOEM UAF UNIVERSITY OF ALASKA FAIRBANKS

Real-Time Map | **Synopsis of Conditions** | **Objectives & Background** | **Field Schedule** | **Partners**

Welcome to the project home page. See the tabs above for links to other aspects of this project. Below is the Real-Time Data Map.

Use the checkboxes to choose the data to display.

Active Drifters:
See the [Drifters Page](#) for all drifter deployments.

- NSBW, 7/23
- NSBW, 7/26
- NSBW, 7/29
- NSBW, 8/06
- ARCTREX, 9/09
- ARCTREX, 9/15
- Final Positions of 2014 Drifters

UAF HFR Surface Currents:

- Hourly UAF Surface Current Vectors ([HFR](#))
- Daily UAF Surface Current Vectors ([HFR](#))

Sea Ice:

MODIS Truecolor Image, courtesy of [NASA's Earth Observing System](#)

- MODIS Day of Year 295

Ice categories, courtesy of [NOAA's NWS](#). Click on each shape to view category definition.

- Oct. 19, 2014

10-22-2014

10 kt Wind

0.5 -1.541 1.5

Knots

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<http://dm.sfos.uaf.edu/chukchi-beaufort/>



END