

# **ArcticWeb**

## **User Manual**

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## Background

ArcticWeb - an effort to improve safety of navigation in the Arctic.

ArcticWeb is combining:

- AIS data collected by national and commercial satellites and base stations along the coast of Greenland.
- Ice charts from Danish Meteorological Institute (DMI).
- Navigational warnings from Arctic Command and Danish Maritime Authority.
- GREENPOS and COASTAL CONTROL reporting.
- Coordinated Voyage through the sharing of routes and schedules.
- Sharing of routes and schedules with Arctic Command.
- Future functionality: Weather data from DMI, including weather forecasts for the given planned route.

The platform is intended for use by:

- Ships
- Shipping companies operating vessels in the area.
- Arctic Command
- Other shore authorities

## System Requirements

### Operating system

Any

### Browsers:

Recommended browsers are Firefox (latest), Safari (latest) or Internet Explorer 10 (or 11). Google Chrome may be used, but some users have encountered some chart problems when using Chrome.

Other working browsers: Internet Explorer 8 and 9. The amount of data transferred over the internet connection will however be higher than with recommended browsers.

### Firewalls:

All communication between the ArcticWeb web application and the DMA e-Navigation servers are performed using HTTPS protocol on port 80.

### JavaScript

JavaScript must be enabled in the used browser. See if you have JavaScript enabled and how to enable it at this internet site: <http://enable-javascript.com/>

### Cookies

Cookies must be allowed, at least for the domain arcticweb.e-navigation.net, core ArcticWeb functionality will otherwise not work.

See more at:

Internet Explorer: <http://windows.microsoft.com/en-us/windows-vista/block-or-allow-cookies>

Firefox: <http://support.mozilla.org/en-US/kb/enable-and-disable-cookies-website-preferences>

Chrome: <https://support.google.com/accounts/answer/61416?hl=en>

Safari: <http://support.apple.com/kb/ph5042>

## Internet usage

The browser cache is utilized for caching web resources (HTML, CSS and JS files) as well as all ice chart data and other data fetched from DMA e-Navigation servers. This will lower the amount of data transferred over the internet connection. To make best use of the browser cache it is therefore recommended to:

- always use the same computer and browser for ArcticWeb.
- Not to clear the browser cache.
- Not to clear hosted application data/offline web application data in the browser.


At first login an initial download of approximately 1 MB is made (basic chart and other data). A low cost connection may be preferred for this.

After first login and provided the cache is not cleared, ArcticWeb data volumes will be approximately 100 KB per hour when logged in (primarily from the regular update of AIS targets).

Ice chart file sizes are given under the Ice Charts tab. They will typically be between 20 and 250 KB each. Please note that an ice chart is cached once downloaded by the browser and thus not fetched from the server again on next download click, unless the browser cache has been cleared

## Description of functionalities

[ArcticWeb](#) [Greenland](#) [Vessels](#) [Ice](#) [Maritime Safety](#) [About](#) [Log in](#) | [Request Access](#)

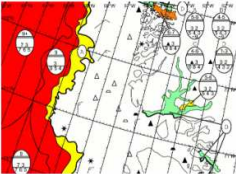


**Tailored Weather Forecasts and Ice Charts**  
Latest ice charts from Danish Meteorological Institute. Tailored weather forecasts for uploaded sailing routes.


### Welcome to ArcticWeb

ArcticWeb is an effort from the Danish Maritime Authority to improve maritime safety in the Arctic region. ArcticWeb serves as a single point of access to safety related information, provides streamlined reporting and allows for voluntary coordinated voyage through sharing of positions and planned routes. Ships in the area and their organizations may login or request access to ArcticWeb via the buttons below.


[Log In](#) [Request Access](#)



**Ice Charts**  
The Danish Meteorological Institute, Greenland Ice Service, collects information regarding ice conditions in the waters around Greenland and



**Weather**  
Warnings and forecasts are broadcasted by KNR (Greenland Radio) and Greenland coast radio stations. For schedules, frequencies and areas



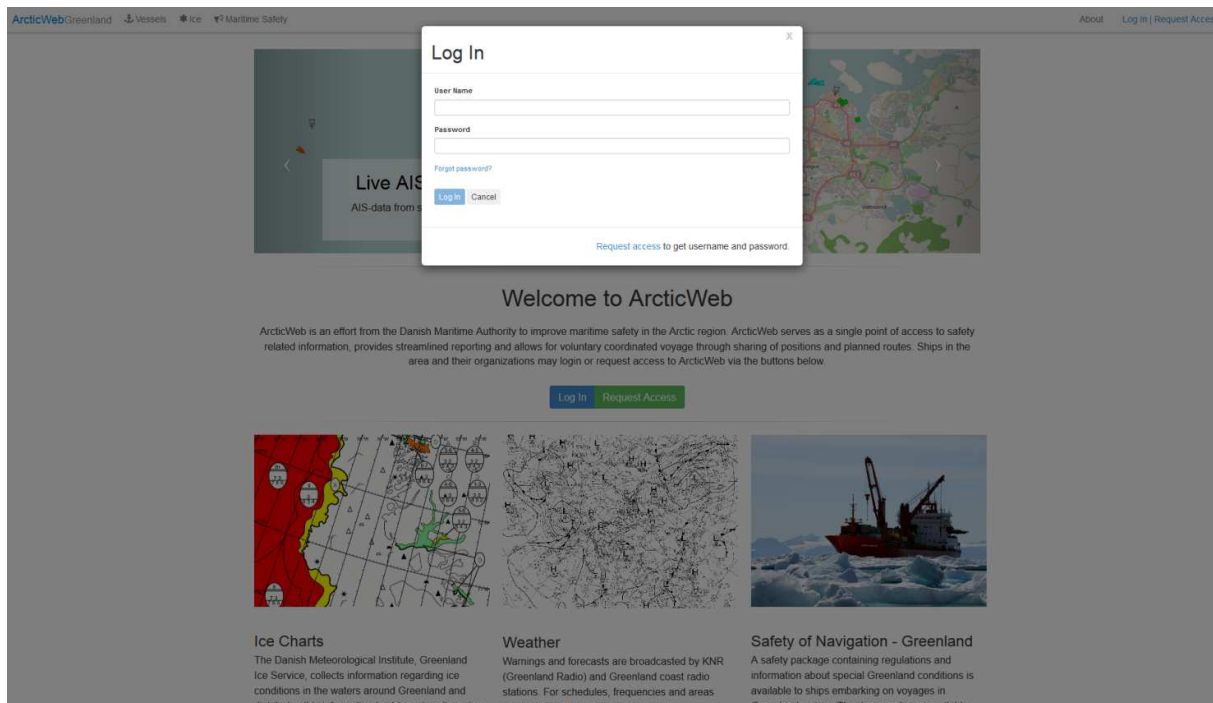
**Safety of Navigation - Greenland**  
A safety package containing regulations and information about special Greenland conditions is available to ships embarking on voyages in

### Front page

On the front page Ice Charts in pdf format, weather information and information on Safety of Navigation is available. In the future more information will be added.

Click on *Vessels* or *Log in* as user.

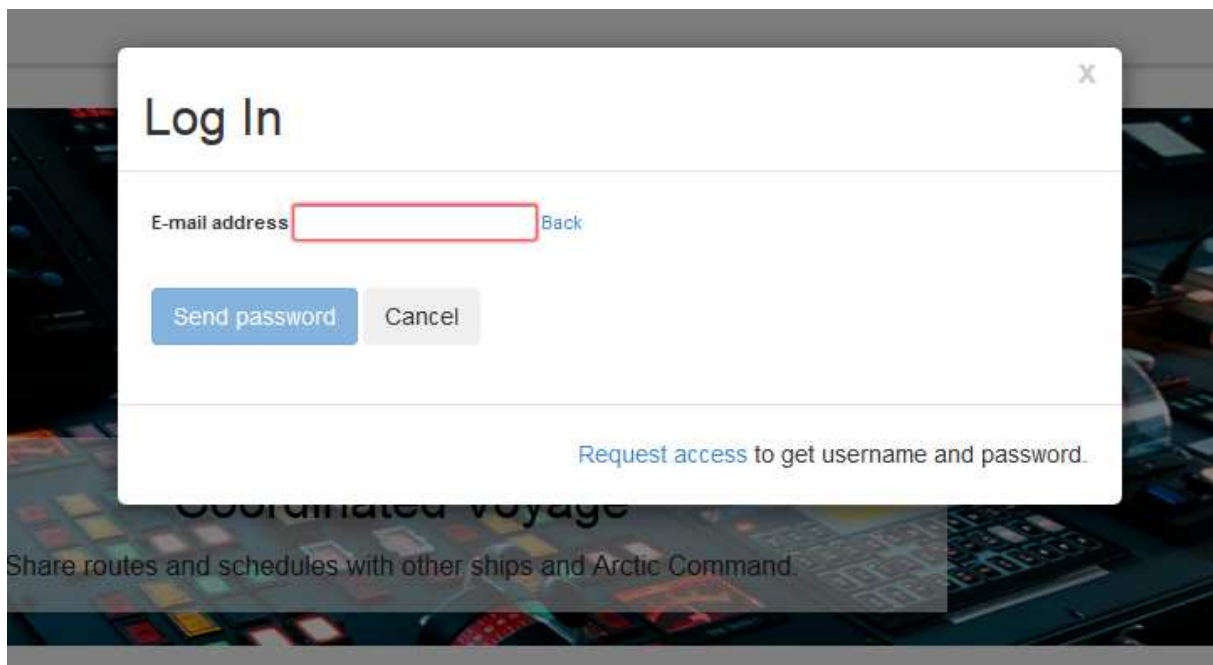
If you are not a registered user, you may request access by clicking *Request Access* (only first visit on page). You will be prompted for required information to create an ArcticWeb user. When a user has been created, you will receive an email with your new user credentials.



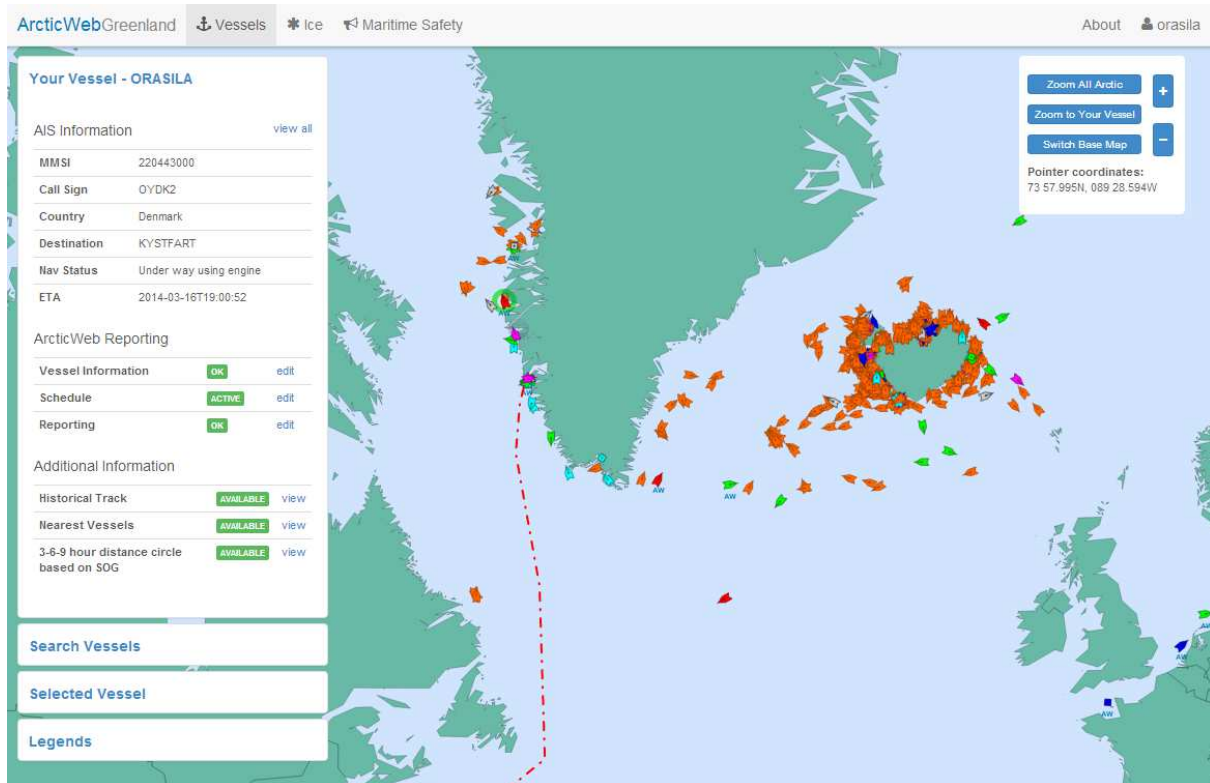
### Log In dialog

Log in with user name and password.

If you have been registered as user in ArcticWeb but forgotten your password, click *Forgot password* and enter the e-mail address you have registered. Password will then be forwarded.



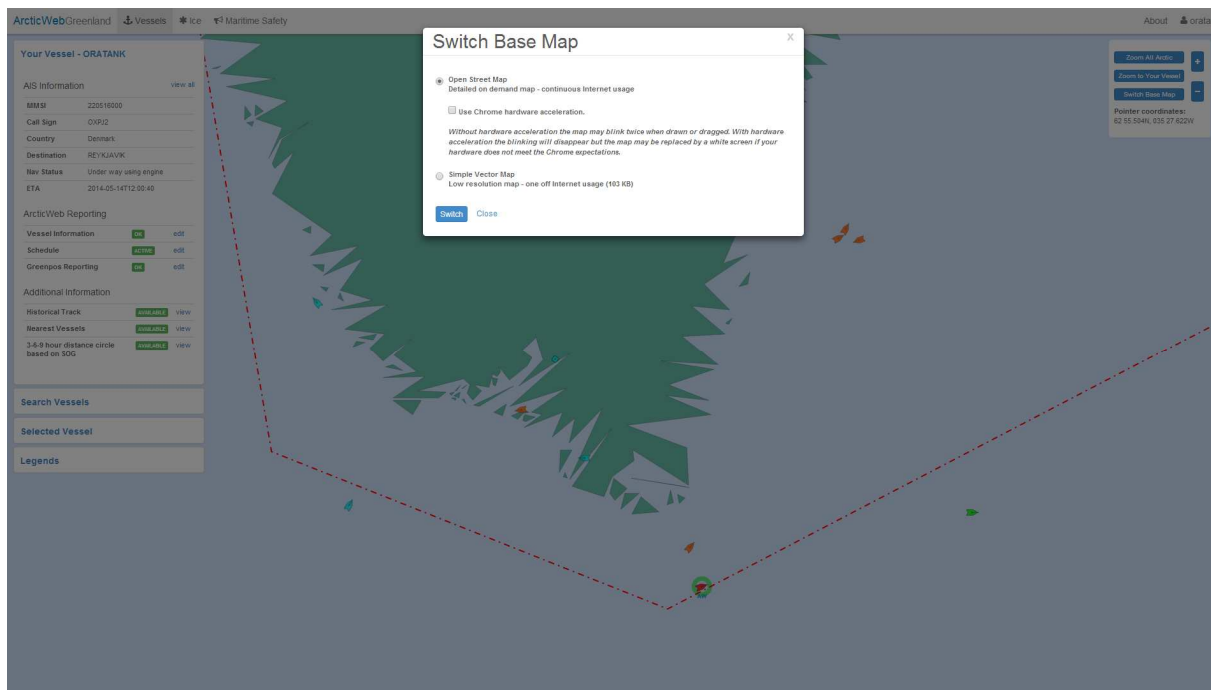
## Vessels page



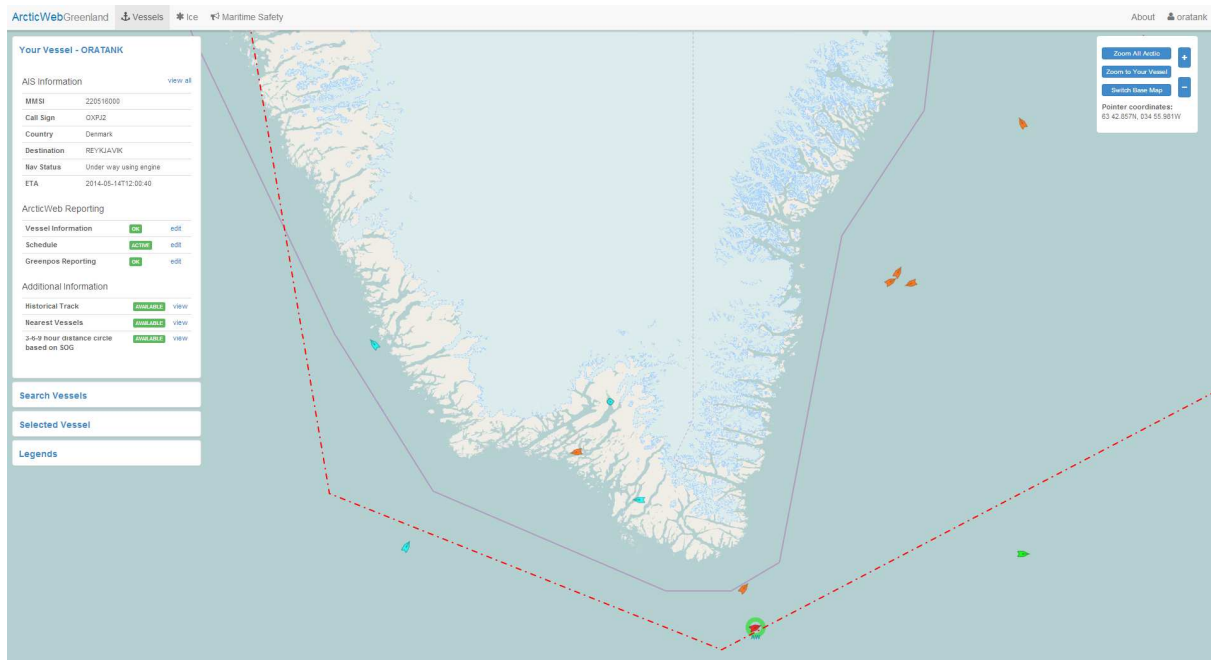
## Main chart page

1. When logging in, user is linked to own vessels AIS target (marked by green ring). Vessel positions are updated every 15 minutes. Vessel positions obtained from satellite may however be older due to the time between satellite passings (recent analysis have shown that in 95% of the time, positions are updated at intervals less than 2 hours, in 99% of the time less than 6 hours).
2. It is possible to see positions of all other vessels in the Arctic Region equipped with an AIS transponder.
3. Click *Zoom all Arctic* to return to overview
4. Click *Zoom to Your Vessel* to zoom to own vessel

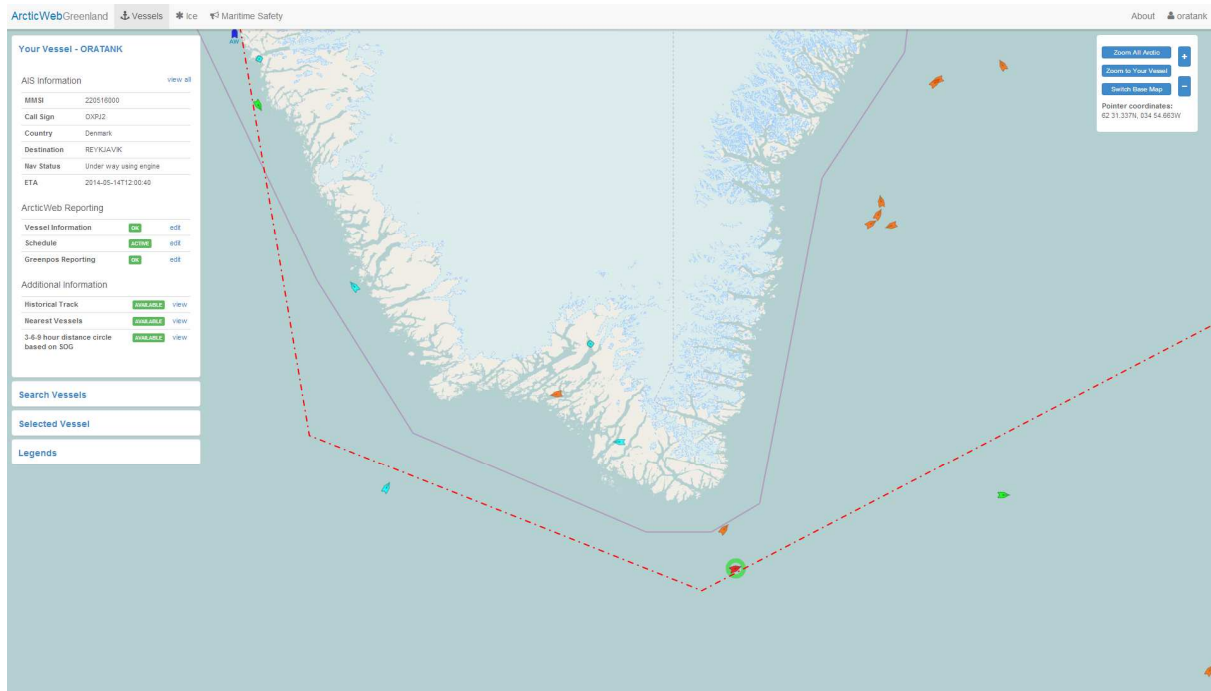




- Click *Switch Base Map* to change from basic chart (Single Vector Map) to full OpenStreetMap. Data volumes are increased quite a bit from basic chart to the full OpenStreetMap and it may be slower to use the OpenStreetMap. If using Chrome as your browser you may turn on *Hardware acceleration* to improve performance.



*Example of OpenStreetMap*



## Own vessel functionalities

Own vessel is marked by green ring when logged in.

The vessels page shows primarily AIS data, i.e. other vessels in the area. On the left are a number of possibilities:











Your Vessel:

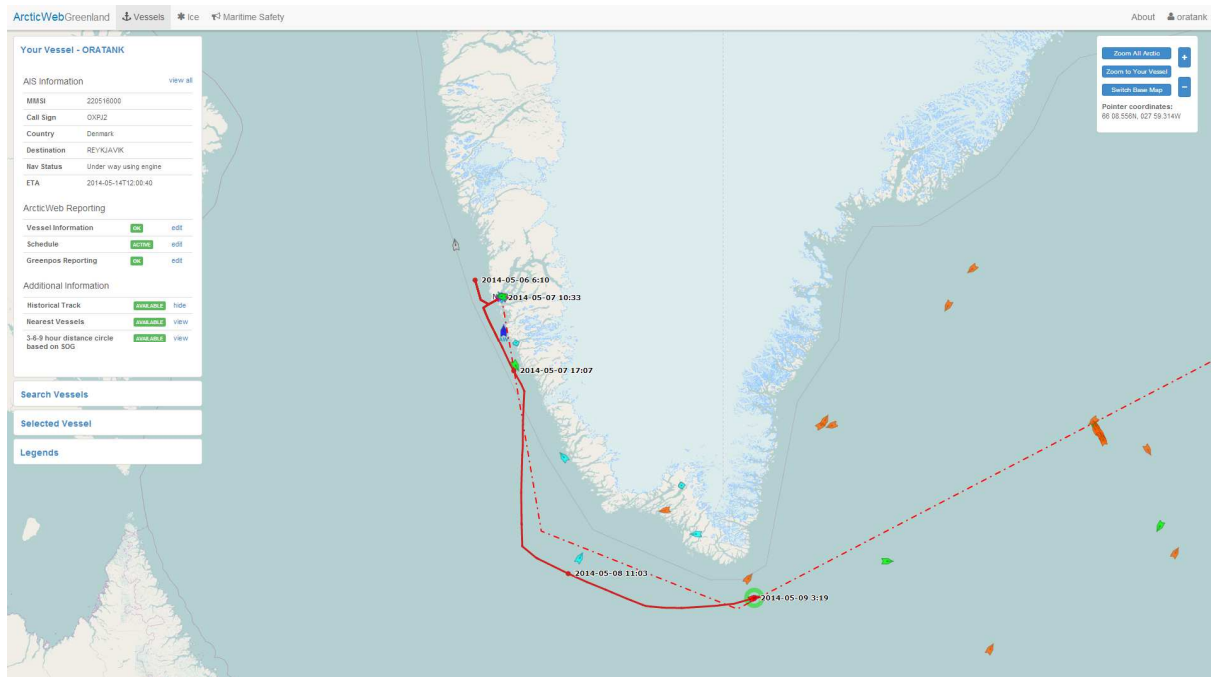
- AIS Information: Basic information obtained from AIS.
- ArcticWeb Reporting:
  - Vessel Information: additional information expanding AIS information.
  - Schedule: sharing of schedule and routes with other vessels and authorities.
  - Reporting: send Greenpos reports to Arctic Command and Coastal Control to Aasiaat Radio
- Additional information:
  - Historical Track.
  - Nearest Vessels – the distance in nm and time from the 5 vessels nearest to own vessel. “Nearest” is based on the time to reach your vessel and is calculated by using the maximum recorded SOGs from other vessels in the area.
  - 3-6-9 hour distance circle based on SOG – portrayal of the distance own vessel can reach in 3-6-9 hours based on present SOG.

Search Vessels: search other vessels by name or MMSI.

Selected Vessel: Information on selected vessel.

Legends: Explanation of symbols and coloring (vessels, ice, etc.).

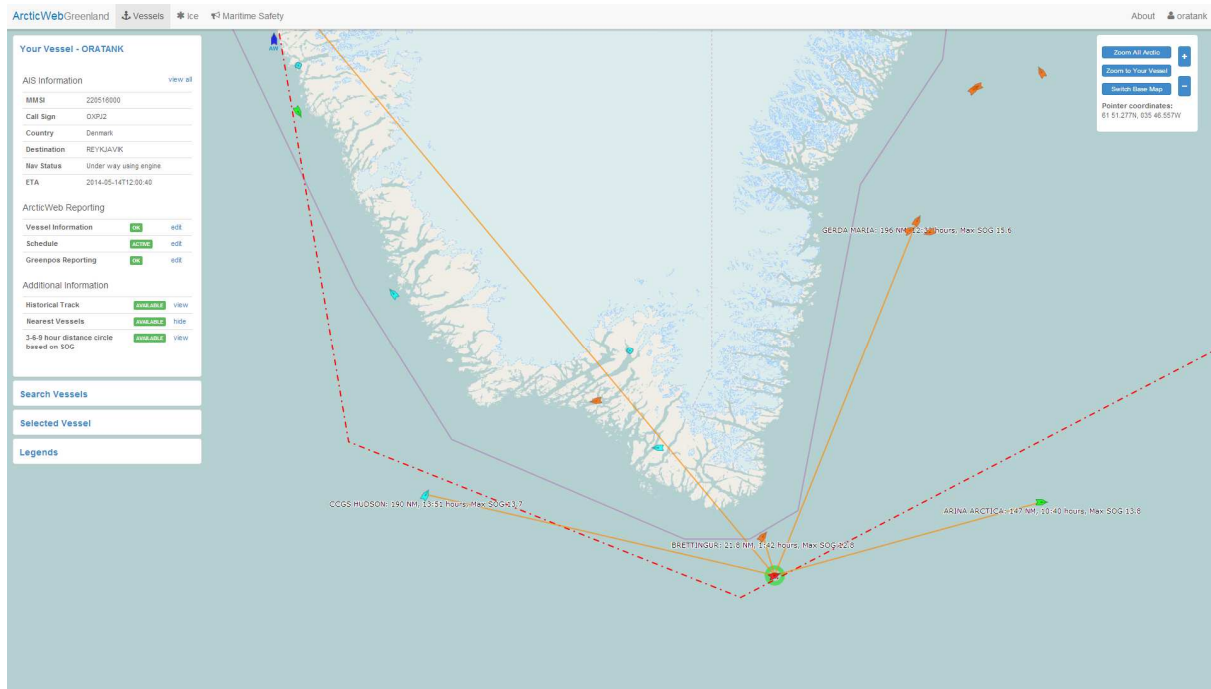
Legends	
	Passenger
	Cargo
	Tanker
	High speed craft and WIG
	Fishing
	Sailing and pleasure
	Pilot, tug and others
	Undefined / unknown
	Sailing
	Anchored/Moored
AW	Vessel participating in ArcticWeb



### Historical Track – own vessel

By clicking the *view* button on *Historical Track* the past track of the vessel is displayed. Positions are obtained from satellite and are updated every 1-6 hours, so the track may look a little bumpy and may cross over land.

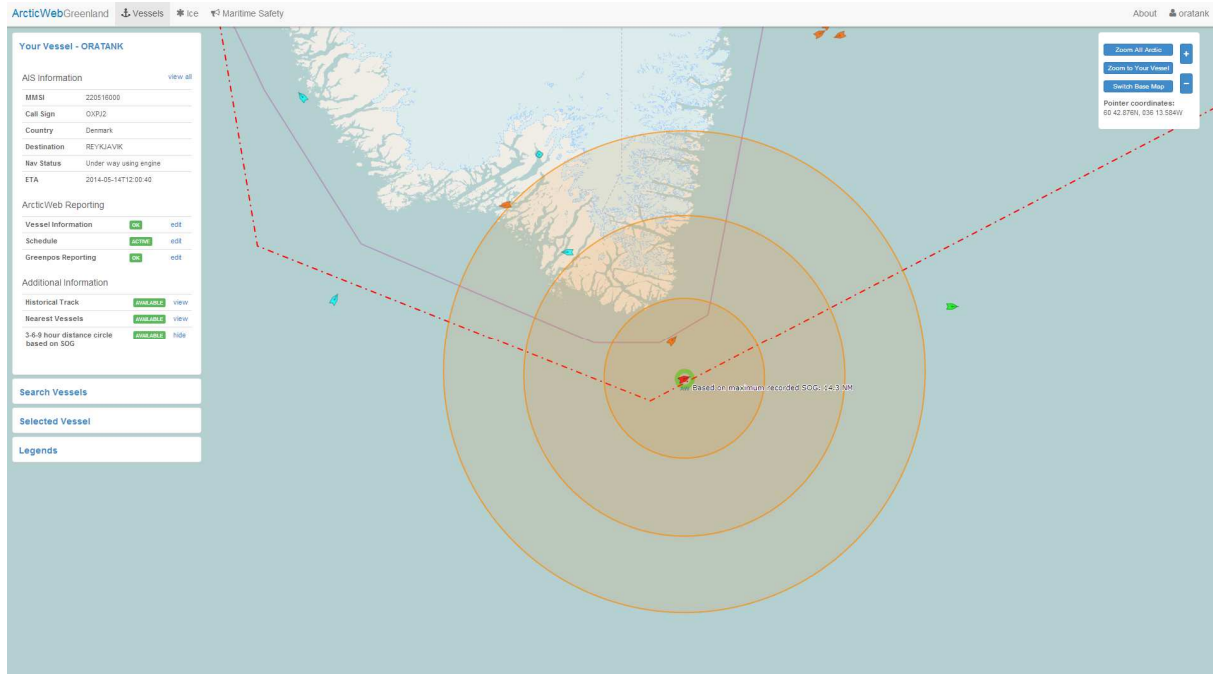
Click the *Hide* button on *Historical Track* to hide past track.



## Nearest Vessels

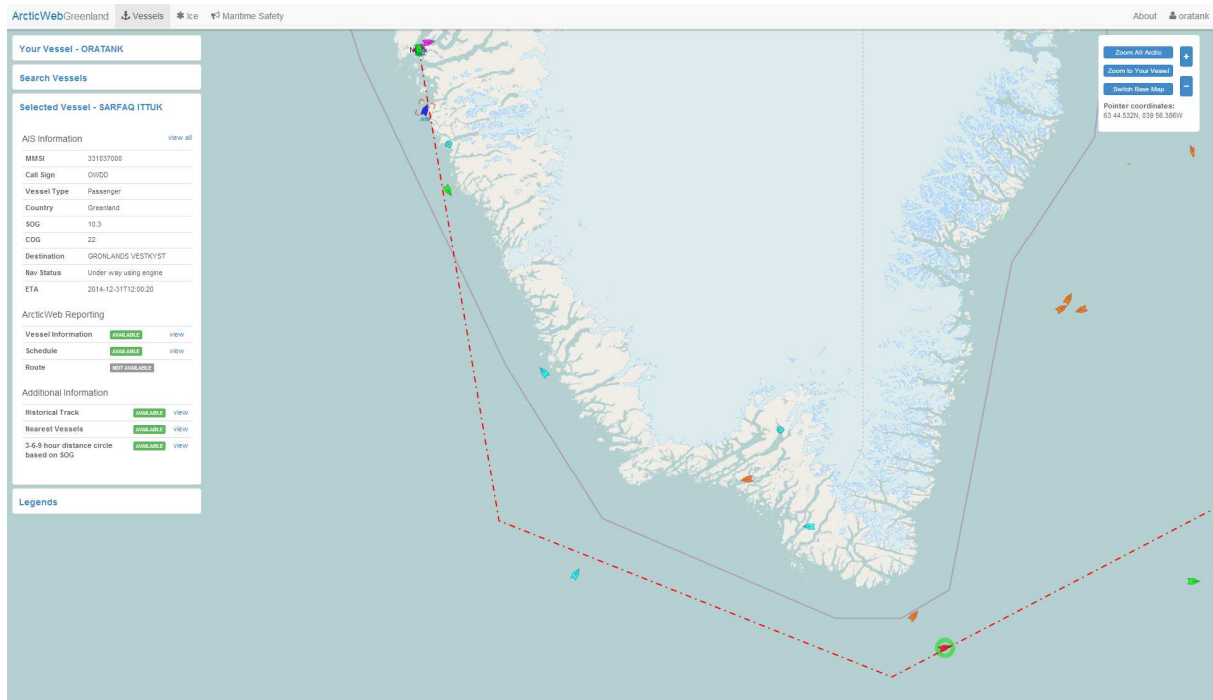
By clicking *Nearest Vessels view* the distance in nm and time from the 5 vessels nearest to your own vessel are displayed. “Nearest” is based on the time to reach your vessel and calculated by using the maximum recorded SOGs from other vessels in the area. Click the *Hide* button on *Nearest Vessels* to hide lines.

In later versions it will be possible to search and see distance to nearest vessel with medical personnel on board, distance to hospitals, helicopters, etc.



#### 1.1.9. hour distance circle based on SOG

By clicking *3-6-9 hour distance circle based on SOG* view the distances own vessel can reach in 3-6-9 hours based on the maximum recorded SOG are displayed.  
Click the *Hide* button on *3-6-9 hour distance circles* to hide circles.

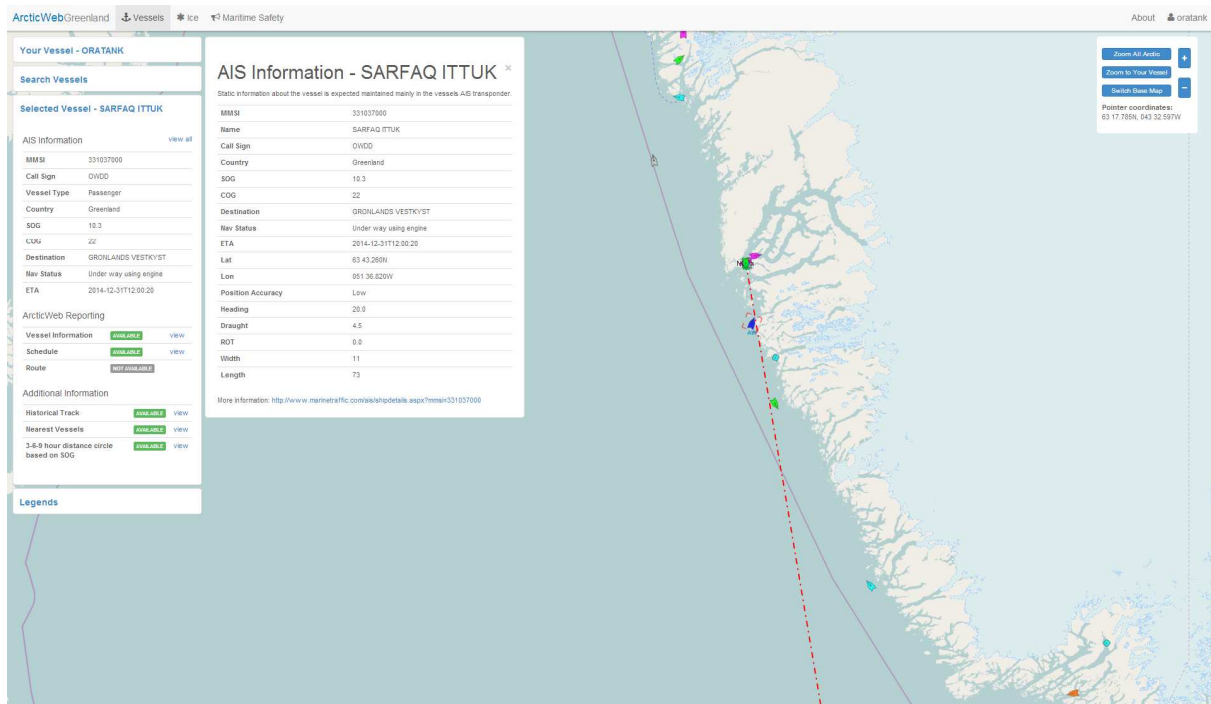


## Selected Vessel

By clicking *Selected Vessel*, information on selected vessel is shown.

Vessel is selected by click on target in chart area or searching vessel by name or MMSI in Search Vessels menu.

Selected vessel is marked on chart by red brackets.



## AIS Information – view all information

By clicking *view all* in Your Vessel or Selected Vessel menu it is possible to see all available information on your/selected vessel.



www.marinetraffic.com/ais/details/ships/331037000

MarineTraffic Live Map Vessels Ports Photos Participate Services

VesselPort Members

## Nor-Safe Sikkerhedsstiger

[nor-safe.com](#)

Red liv med Nor-Safe. Se mere her: Nor-Safe sikkerhedsstige til havne.

62071 ships live now  
450905 vessels in database  
1559415 photographs uploaded

**SARFAQ ITTUK**  
Passenger

IMO: 8913899  
MMSI: 331037000  
Call Sign: OXWDD  
Flag: Greenland  
Type: Passengers Ship

Gross Tonnage: 2118  
Deadweight: 163  
Length x Breadth: 73m x 11m  
Year Built: 1992  
Status: Active

### Last Position Received

Out of range

Newer position available via Satellite

Info Received: 2014-05-06 12:03  
Area: Atlantic North  
Latitude / Longitude: 63.99067 / -51.87517  
Speed/Course: 12.5kn / 172°  
Last Known Port: NUUK [GL] (2014-05-06 11:07:50)  
Previous Port: SISMIUT [GL] (2014-05-05 13:07:00)  
AIS Source: 1236  
Itinerary History  
Latest Positions

### Voyage Related Info (Last Received)

Draught	4.5m
Destination	GRONLANDS VESTKYST
ETA	2014-12-31 12:00 UTC
Speed recorded (Max / Average)	11.6 / 10.9 knots
Info Received	2014-05-06 11:16

### Recent Port Calls

Local Times | UTC Times

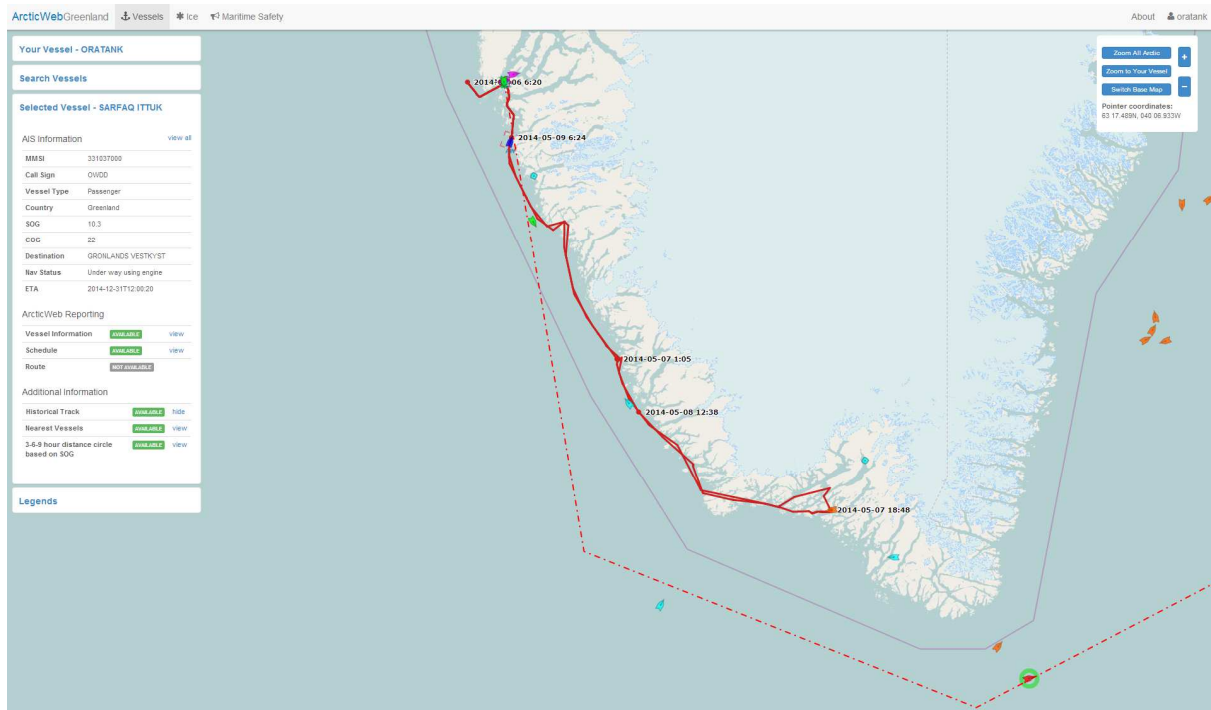
Port	Arrival (LT)	Departure (LT)
NUUK [GL] (UTC-2)		2014-05-06 09:09
NUUK [GL] (UTC-2)	2014-05-06 06:19	
SISMIUT [GL] (UTC-2)		2014-05-03 21:04

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MarineTraffic.com

Hvorfor?  
Hvorfor har hundrede-businde danske en gratis hjemmeside?  
De bruger den til:  
Hobby-firma  
Brugemarked  
Online CV  
Egen blog  
Prøv det selv  
[Klik her](#)  
170genmestere.dk

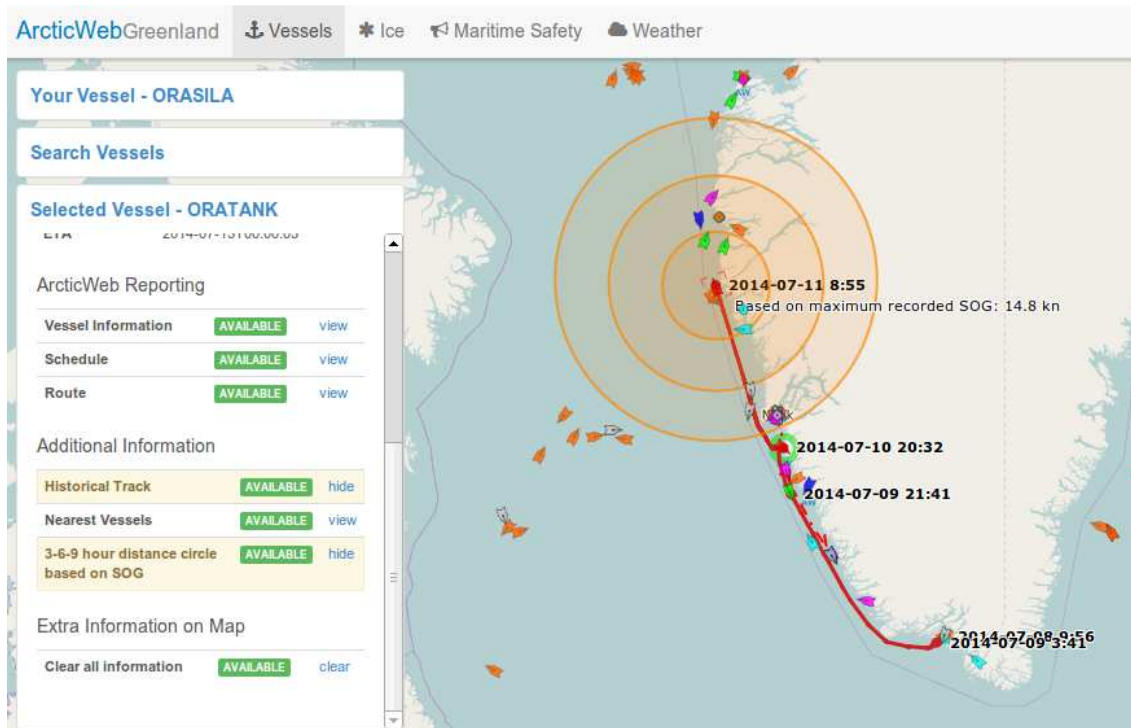
## Integration with MarineTraffic.com

In the bottom of the View All window it is possible to search vessel at MarineTraffic.com, see pictures and other available data.



## Historical Track – other vessels

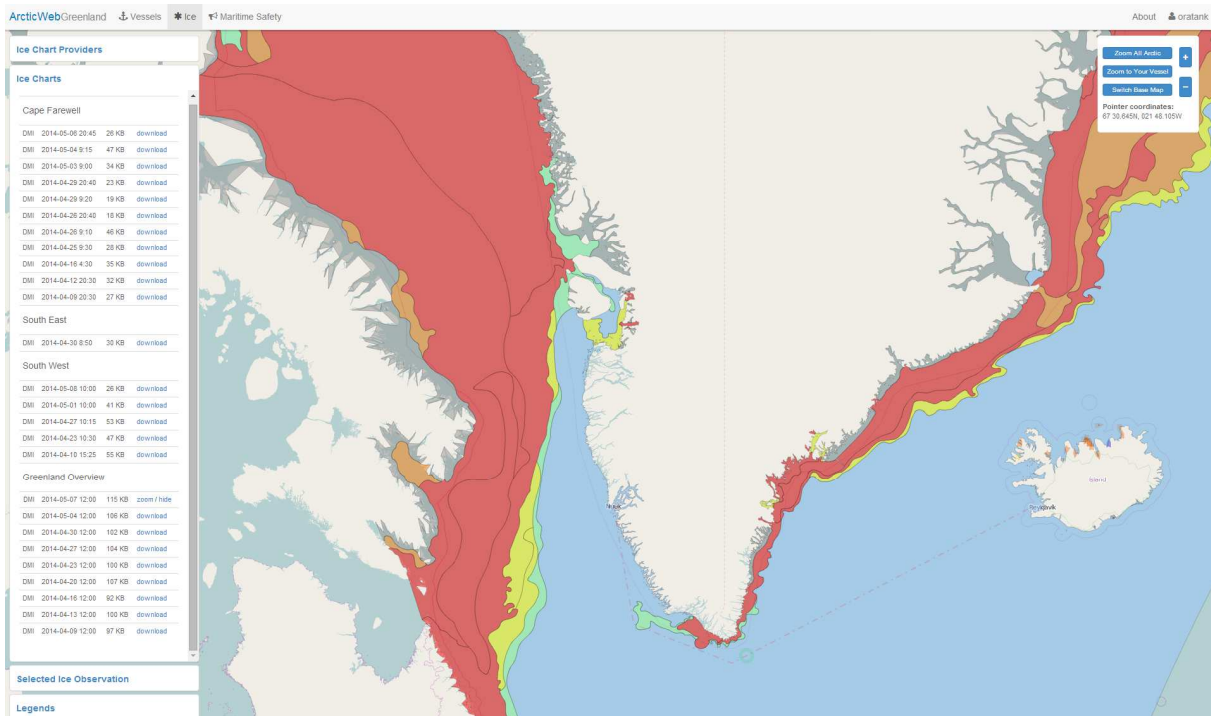
By clicking *view* button on *Historical Track* in Selected Vessel menu it is possible to see other vessels past track.



### Extra Information on Map – Clear All

Extra information on the map such as nearest vessels, distance circles, historical track and other routes than your active route can be removed from the map again in one click. Both the Your Vessel and Selected Vessel views contain an *Extra Information on Map* section in which the *clear* link can be clicked.

## Ice charts



## Ice chart providers

By clicking the *Ice* tab in the top menu, the Ice charts window is opened on the left. Here it is possible to first choose Ice Chart Provider

### Ice Chart Providers

- ☒ Danish Meteorological Institute DMI
- ☐ Arctic and Antarctic Research Institute AARI

## Ice charts and Icebergs

After choosing an ice chart provider it is possible *Ice Charts*.

The screenshot shows the ArcticWeb interface with the 'Ice' tab selected. The left sidebar contains a list of Ice Charts under the heading 'Ice Charts'. The main map area displays a satellite view of the Arctic region with ice charts overlaid. The charts are color-coded and labeled with their respective areas and download links.

Area	DMI	Date	Size	Action
Cape Farewell	DMI	2014-05-06 20:45	26 KB	download
	DMI	2014-05-04 9:15	47 KB	download
	DMI	2014-05-03 9:00	34 KB	download
	DMI	2014-04-29 20:40	23 KB	download
	DMI	2014-04-29 9:20	19 KB	download
	DMI	2014-04-26 20:40	18 KB	download
	DMI	2014-04-26 9:10	46 KB	download
	DMI	2014-04-25 9:30	28 KB	download
	DMI	2014-04-16 4:30	35 KB	download
	DMI	2014-04-12 20:30	32 KB	download
South East	DMI	2014-04-09 20:30	27 KB	download
	DMI	2014-04-30 8:50	30 KB	download
South West	DMI	2014-05-08 10:00	26 KB	download
	DMI	2014-05-01 10:00	41 KB	download
	DMI	2014-04-27 10:15	53 KB	download
	DMI	2014-04-23 10:30	47 KB	download
	DMI	2014-04-10 15:25	55 KB	download
Greenland Overview	DMI	2014-05-07 12:00	115 KB	download
	DMI	2014-05-04 12:00	106 KB	download
	DMI	2014-04-30 12:00	102 KB	download

All available Ice Charts are listed, sorted by area; most recent Ice Chart first.











It is also possible to choose *Icebergs*

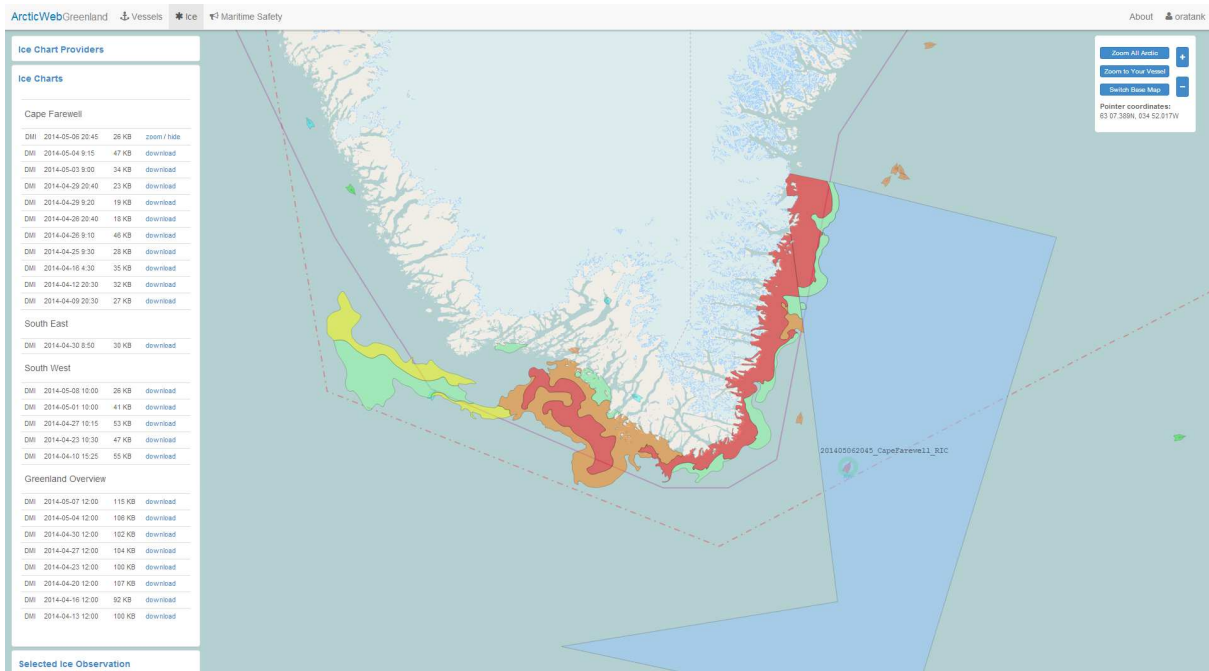
The screenshot shows the ArcticWeb interface with the 'Ice' tab selected. The left sidebar contains a list of Icebergs under the heading 'Icebergs'. The main map area displays a satellite view of the Arctic region with icebergs overlaid. The icebergs are color-coded and labeled with their respective areas and download links. The interface also includes a 'Selected Ice Observation' section and a 'Legends' section.

Area	DMI	Date	Size	Action
Central West	DMI	2014-07-06 21:30	157 KB	download
	DMI	2014-07-03 21:00	64 KB	download
	DMI	2014-07-01 10:20	38 KB	download
	DMI	2014-06-29 21:15	130 KB	download
	DMI	2014-06-26 21:00	97 KB	download
	DMI	2014-06-24 10:30	100 KB	download
	DMI	2014-06-22 21:20	120 KB	download
	DMI	2014-06-19 21:00	131 KB	download
	DMI	2014-06-18 10:00	124 KB	download
	DMI	2014-06-15 21:30	118 KB	download
	DMI	2014-06-12 21:30	97 KB	download
	DMI	2014-06-11 10:20	97 KB	download
North West	DMI	2014-07-06 21:30	43 KB	download
	DMI	2014-07-02 21:30	40 KB	download

All available Iceberg charts are listed, sorted by area; most recent Iceberg first.

Ice chart legends are shown in the legends menu.

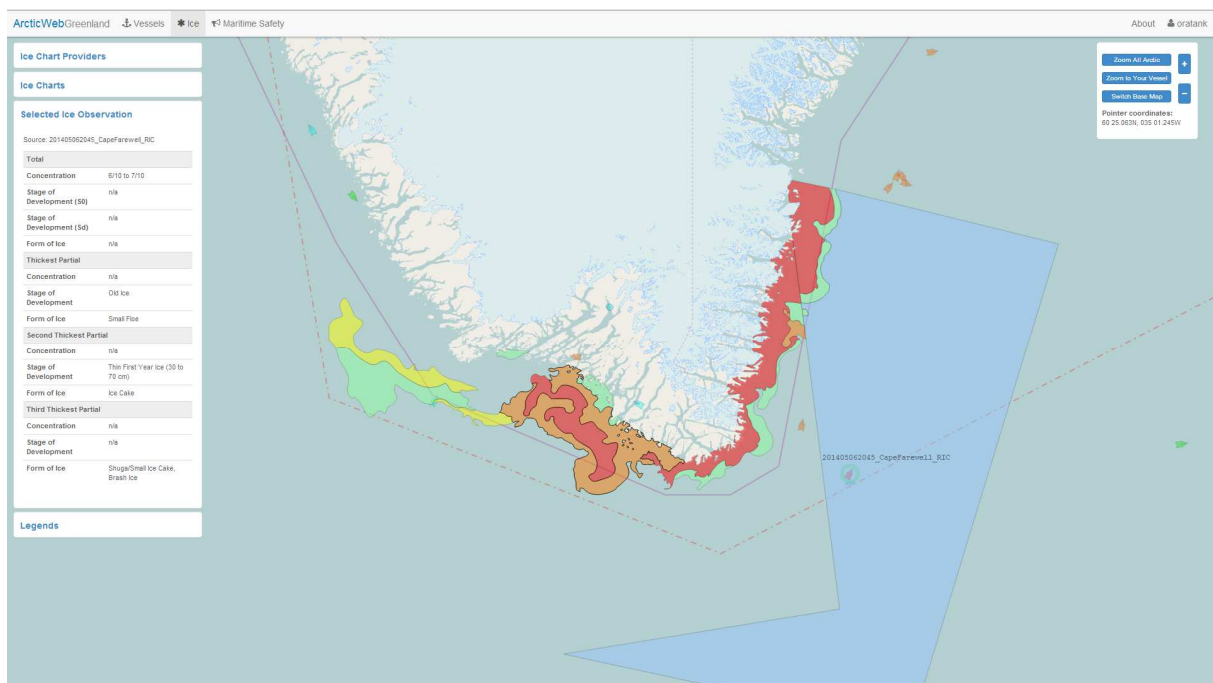
Legends		
Ice charts		
Color	Ice Concentration	Definition
	10/10	Fast Ice
	9/10-10/10	Very Close Drift Ice
	7/10-8/10	Close Drift Ice
	4/10-6/10	Open Drift Ice
	1/10-3/10	Very Open Drift Ice
	<1/10	Open Water
Icebergs		
Symbol	Category	Size
	Small	15 - 60 m
	Medium	60 - 120 m
	Large	121 - 200 m
	Very large	>200 m



## Ice charts and Icebergs – display

Ice Charts and Iceberg charts are downloaded by clicking *download*. File sizes are indicated to make it possible for the user to choose whether or not to download the chart and thereby minimize vessels data usage. Once downloaded an Ice Chart / Iceberg chart is cached by the browser and thus not fetched from the server again on next download click, unless the browser cache has been cleared. When an Ice Chart or Iceberg chart has been downloaded, the *download* button changes to *zoom*. Click *zoom* to zoom to chart area. Click *hide* to hide chart.





## Ice charts – details

Details for Ice areas are shown in the left menu by clicking colored Ice areas on chart.

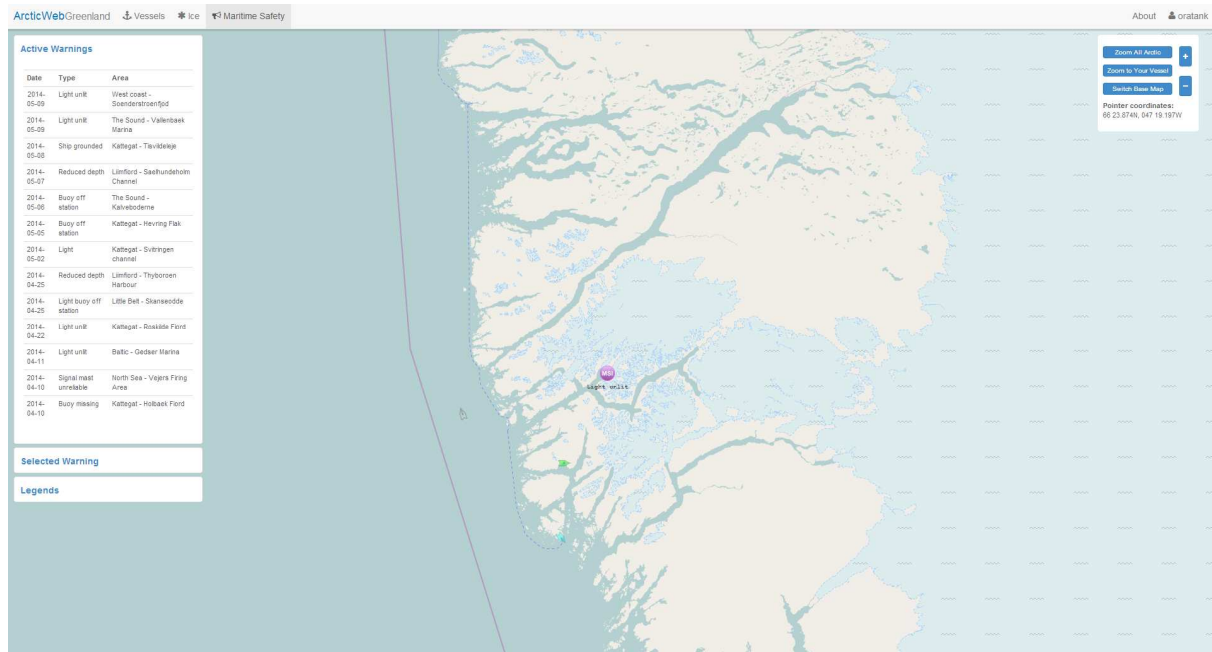


## Icebergs – details

Details for an Iceberg are shown in the left menu by clicking on the Iceberg on chart.



## Maritime Safety Information

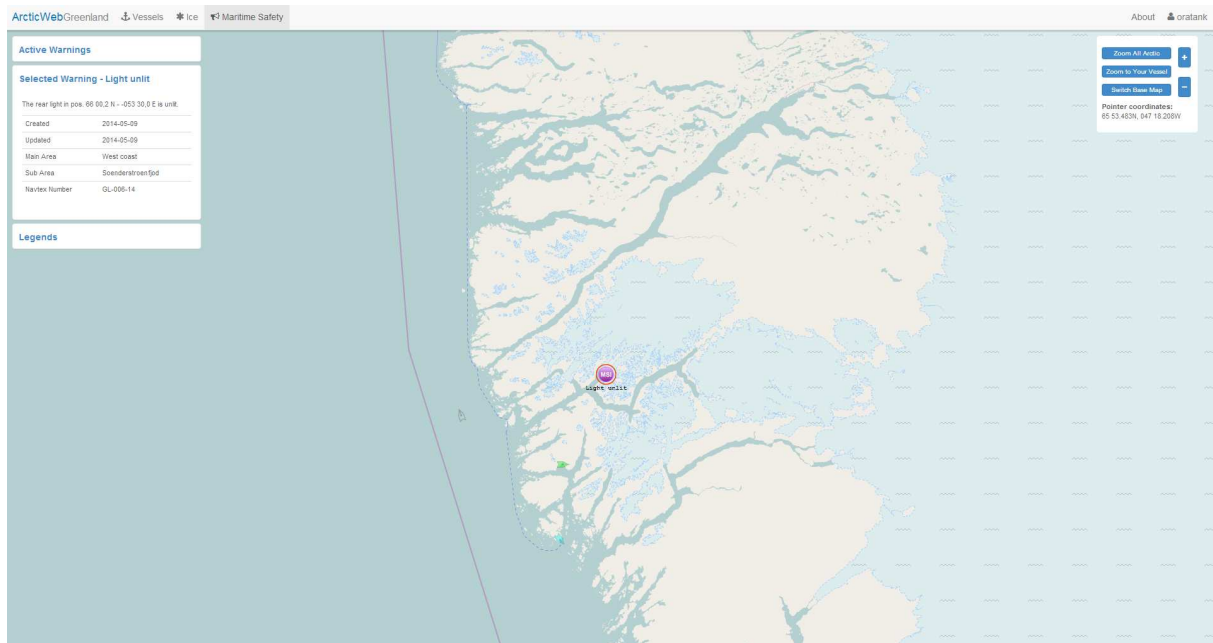


### Maritime Safety Information – main page

By clicking the *Maritime Safety* tab in the top menu, the Maritime Safety Information window is opened on the left.

Here all active Navigational Warnings are listed, sorted by number.

All Maritime Safety Information for the area is displayed by purple MSI symbols.



## Maritime Safety Information - details

By clicking MSI symbol in the chart area or under the Active Warnings in left menu, details are shown.

## Reporting

The GREENPOS system applies to all ships on voyages to and from Greenlandic Waters and inside the Greenlandic Continental Shelf or EEZ. The ships are to report weather information and their position, course and speed every 6 hours.

The COASTAL CONTROL system applies to all ships greater than 20 BT on voyage to and from Greenland ports and places of call. The ships are to report their position, course, speed and persons on board at least every 24<sup>th</sup> hour.

Additional information may be required depending on the report type send. See 'Mandatory Ship Reporting Systems' document found on front page for report types and when to send them.

The screenshot displays the ArcticWeb reporting interface. On the left, a sidebar shows 'Your Vessel - ORATANK' with AIS information (MMSI: 220516000, Call Sign: OXFD2, Country: Denmark, Destination: REYKJAVIK, Nav Status: Under way using engine, ETA: 2014-05-14T12:00:33) and ArcticWeb Reporting status (Vessel Information: on, Schedule: active, Greenpos Reporting: on). The main area features a 'Ship Report' form with tabs for 'Coastal Control' and 'Greenpos'. The 'Sailing Plan Report' is selected. Fields include: Report Type (Sailing Plan Report), Destination (Nauk), Estimated Time of Arrival (2014-05-12 08:00), Persons on Board (12), Course (045), Speed (11), Latitude (60 00.000N), Longitude (041 00.000W), Route Description (From Reykjavik to Nauk), Weather (Wind 14NE, 20 knots; Waves 1.5-3 metres; Visibility good), and Ice Observations (No ice observed). A 'Send' button is at the bottom right. The background is a map of the North Atlantic with a red dashed line indicating a route.

## Reporting

Click *edit* button under *Reporting* in the left menu. Here it is possible to enter and send reports to Arctic Command (Greenpos) and/or Aasiaat Radio (Coastal Control) by a few clicks.

First choose where to send the report; Greenpos and/or Coastal Control, then which report to send; Sailing Plan, Position Report, Final Report or Deviation Report. Fill in the blank fields. Other required information is filled in automatically based on information from AIS (Remember to keep AIS data up to date) and on reported Schedule (see Schedule). Click *Send*.

Acknowledgement of successful transmission is indicated and a copy of report is send to your ArcticWeb e-mail address. An acknowledgement mail is also sent from ArcticCommand mail server to your ArcticWeb e-mail address upon report reception.

**Note: In the event a transmission acknowledgement e-mail is not received from ArcticCommand you must use other means of communication in accordance with the relevant rules.**

The screenshot displays the ArcticWeb interface for vessel management. The main window is titled "Vessel Information" and contains a form for submitting vessel data. The form includes fields for MMSI (220516000), Gross Tonnage (3591), Max Speed (13.4), Estimated Rescue Capacity (150), Ice Class (A1), and Helped (No). A message "vessel information successfully submitted" is displayed at the top of the form. The left sidebar shows "Your Vessel - ORATANK" with AIS information (MMSI, Call Sign, Country, Destination, Max Status, ETA) and ArcticWeb Reporting (Vessel Information, Schedule, Greenpeace Reporting). The bottom of the sidebar has links for "Search Vessels", "Selected Vessel", and "Legends". The background is a map of the Arctic region with a red dashed line indicating a search area. The top navigation bar includes "ArcticWebGreenland", "Vessels", "Ice", and "Maritime Safety". The bottom right corner shows "About" and "orotank".

ArcticWebGreenland Vessels Ice Maritime Safety About orotank

**Your Vessel - ORATANK** view at

**AIS Information**

MMSI: 220516000  
Call Sign: OYR12  
Country: Denmark  
Destination: REYNJAUVIK  
Max Status: Under way using engine  
ETA: 2014-05-14T12:00:48

**ArcticWeb Reporting**

Vessel Information ☒ edit  
Schedule ☒ edit  
Greenpeace Reporting ☒ edit

**Additional Information**

Historical Track ☒ view  
Nearest Vessels ☒ view  
3-6-9 hour distance circle based on SOG ☒ view

**Search Vessels**

**Selected Vessel**

**Legends**

**Vessel Information**

Static information is expected maintained mainly in the vessels' AIS transponder. Additional information valuable in the Arctic region may be shared below.

vessel information successfully submitted

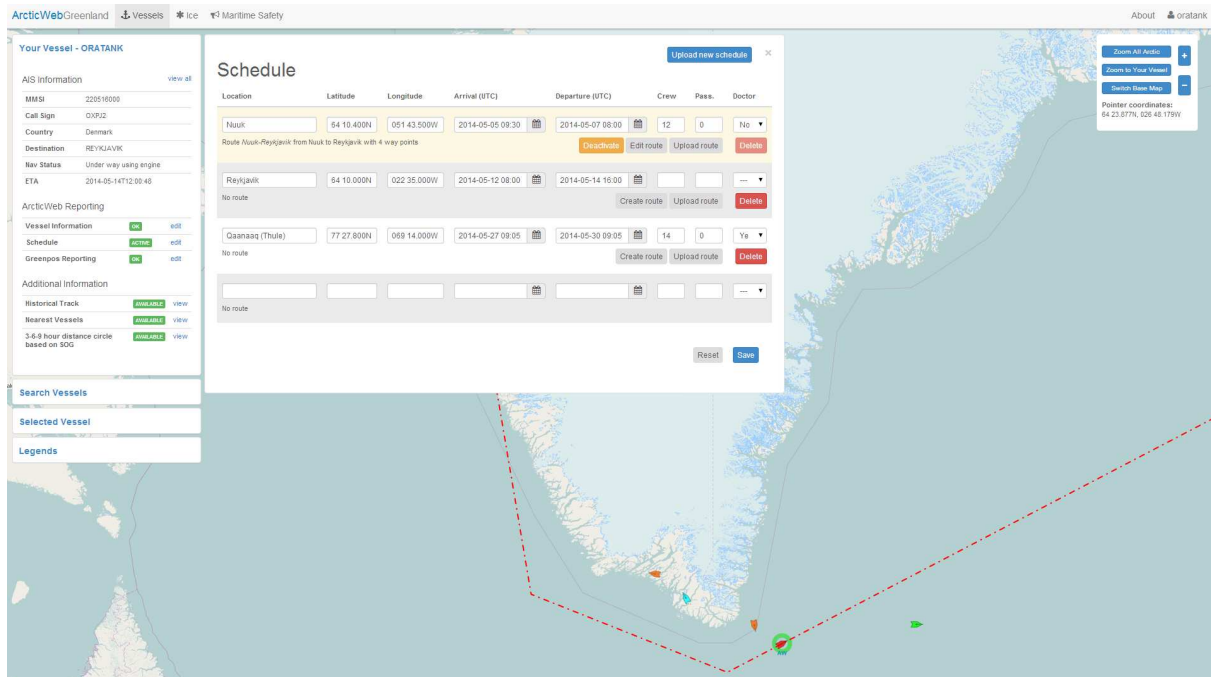
MMSI: 220516000 Gross Tonnage: 3591  
Max Speed (kn): 13.4 Estimated Rescue Capacity (Persons): 150  
Ice Class: A1 Helped: No  
Communication Capabilities: Irmarsat, Widium, HF and VHF

Reset Save

Zoom All Fields  
Zoom to Your Vessel  
Switch Base Map  
Position coordinates: 66.26.842N, 025.18.530W

## Vessel Information

All information available via AIS is collected automatically in the AIS Information window. Additional information relevant in the Arctic area, for Search and Rescue and assistance is given and shared in the Vessel Information window, e.g. Ice class, maximum speed, Maximum Rescue capacity, vessel equipped with Helipad, communication capabilities, etc.



## Schedule

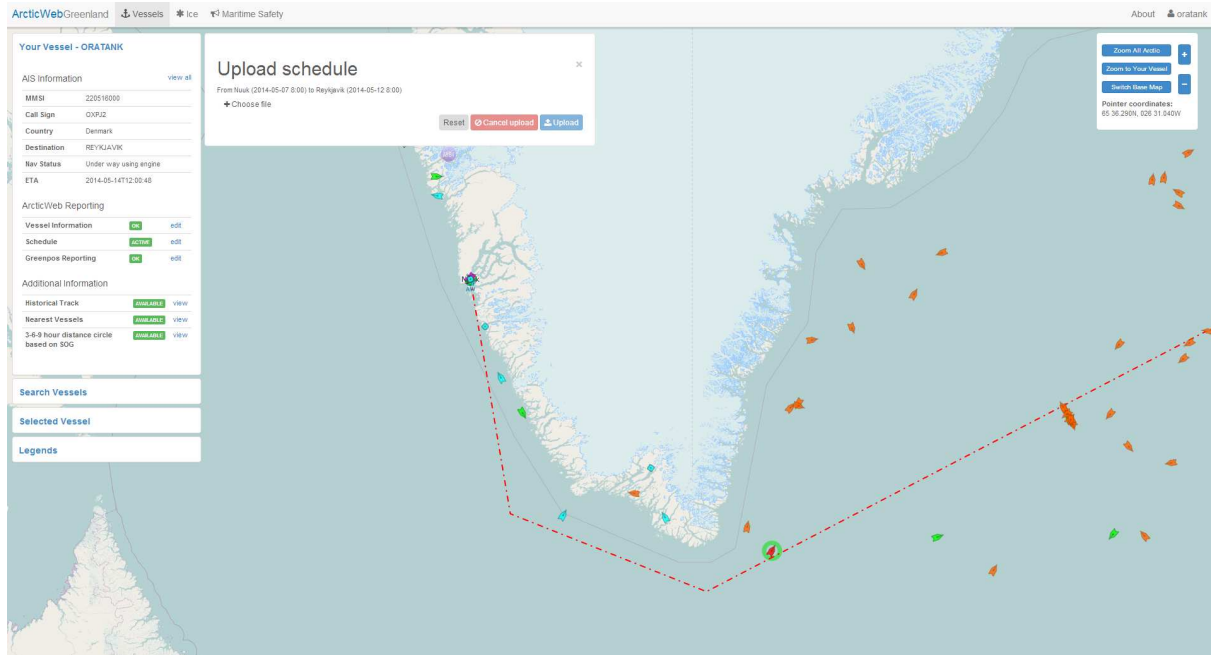
Vessels schedule is entered, uploaded and kept up to date in the Schedule menu.

Enter location, position (filled in automatically for ports in Greenland), arrival and departure times, crew and passengers on board at departure and if doctor or medical personnel is onboard.

Positions are entered in following format: DD MM.MMMN ; DDD MM.MMMW

Detailed routes between a location and the following location may be either uploaded by clicking *Upload route* or created manually in the system by clicking *Create route*.

Schedules and routes are shared with other vessels and authorities enabling coordinated passage and for resource planning, e.g. rescue resources.



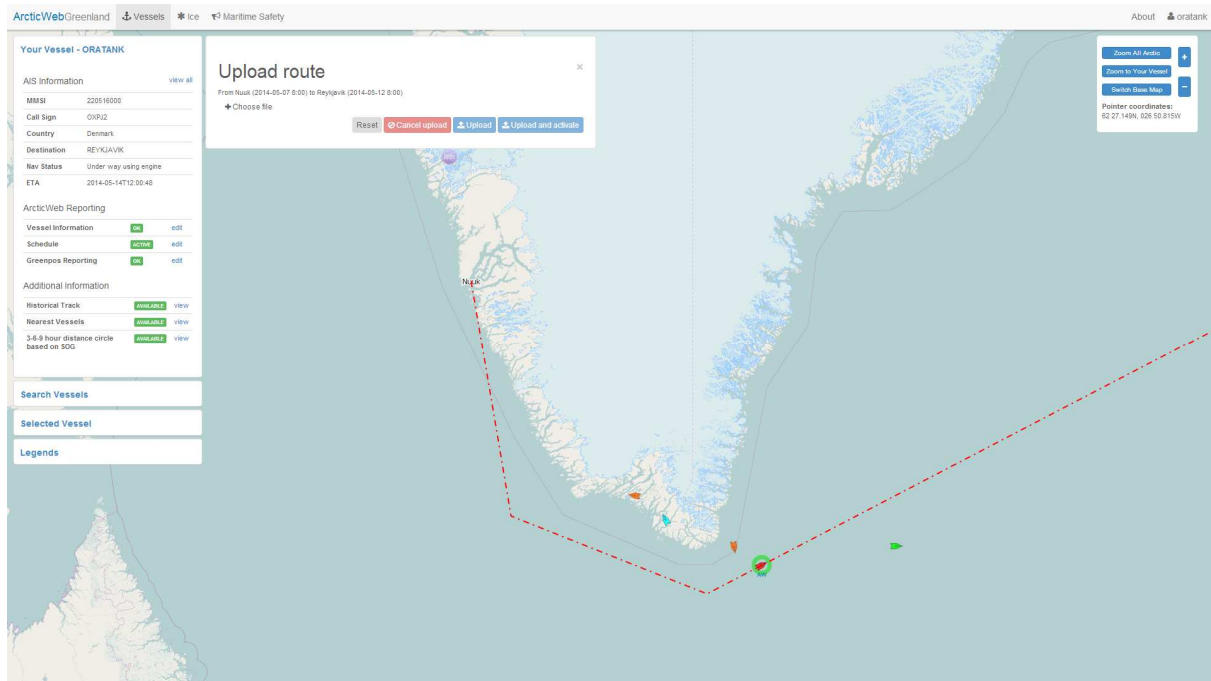
## Upload Schedule

Site	Arrival	Departure	Crew	Passengers	Doctor	Id
Bergen	19-09-2014 13:00	19-09-2014 17:00	12	45	TRUE	
Farsund	20-09-2014 09:00	20-09-2014 13:00	20	112	FALSE	OOU-DNK-0001
Nuuk (Godthåb)	20-09-2014 15:00	20-09-2014 18:00	11	54		
Nanortalik	21-09-2014 09:00	21-09-2014 14:00	3	2		OOU-DNK-0002

It is possible to upload schedule from an Excel sheet in following format:

Certain restrictions and comments regarding this format:

- As of now, only the “old” Excel format (.xls) is supported. The “new” format (.xlsx) may be supported in a future version.
- The columns “Site”, “Arrival” and “Departure” (and their corresponding headers) are mandatory. The columns “Crew”, “Passengers”, “Doctor” and “Id” may be omitted. The case (upper, lower) is irrelevant, and so is the order of the columns.
- The system will try to locate the coordinates of the sites automatically. If this is not possible, you are required to enter them manually or choose another site.
- All times are in UTC, in the format shown above (dd-mm-yyyy hh:mm).
- If an Id value is not present, the system will automatically generate one. The advantage of using your own Ids is that if you upload a new schedule containing lines with the same Ids, those lines will replace the existing ones in the system. This is convenient for making batch schedule adjustments.
- “New” lines (i.e. without Ids) will be required to have an arrival (and departure) date no earlier than the latest departure date in the current schedule.
- When uploading a schedule, the data from the Excel sheet is not saved until you explicitly press the “Save” button, so you will be able to review it and make adjustments.



## Upload Route

Routes may be uploaded to ArcticWeb and used by own vessel, e.g. when assessing Maritime Safety Information and when navigating in ice. At the same time routes in ArcticWeb are shared with other ships and authorities for planning and improved situation awareness. Routes may be exported from ships ECDIS systems on a USB-stick.

The following ECDIS systems are currently known to be supported:

- Transas Navi-Sailor 4000
- Transas Navi-Sailor 4000 MDF
- Sperry Marine “VisionMaster FT”
- SAM ChartPilot 1100

Support for the following ECDIS systems are to be added in the near future:

- FURUNO FEA 2107

Note: If ECDIS system on board is not supported by ArcticWeb, then please let us know (Mads Bentzen Billesø, Danish Maritime Authority, [mcb@dma.dk](mailto:mcb@dma.dk)).

**ArcticWeb** Greenland **Vessels** **Ice** **Maritime Safety** **About** **orasil**

**Your Vessel - ORASIL**

**AIS information** view all

MMSI: 220443000  
 Call Sign: OYDK2  
 Country: Denmark  
 Destination: KYSTFART  
 Nav Status: Under way using engine  
 ETA: 2014-03-16T19:00:52

**ArcticWeb Reporting**

Vessel Information: OK edit  
 Schedule: ACTIVE edit  
 Reporting: OK edit

**Additional Information**

Historical Track: AVAILABLE view  
 Nearest Vessels: NOT AVAILABLE  
 3-6-9 hour distance circle based on SOG: NOT AVAILABLE

**Search Vessels**

**Selected Vessel**

**Legends**

**Route**

Name: Kangaamiut-Sisimlut  
 Origin: Nuuk  
 Destination: Thule  
 Estimated time of Departure (UTC): 2014-04-19 09:00

Name	Latitude	Longitude	Turn radius (nm)	Heading	Speed (kn)		
WP_001	65 47.994N	053 18.911W	0	Rhumb line	10.0168225614476	Delete	Add below
WP_002	65 47.506N	053 25.458W	0.5	Rhumb line	10.0168225614476	Delete	Add below
WP_003	65 53.352N	053 34.982W	0.5	Rhumb line	10.0168225614476	Delete	Add below
WP_004	66 03.772N	053 46.291W	0.5	Rhumb line	10.0168225614476	Delete	Add below
WP_005	66 15.800N	053 52.839W	0.5	Rhumb line	10.0168225614476	Delete	Add below
WP_006	66 24.639N	053 52.243W	0.5	Rhumb line	10.0168225614476	Delete	Add below
WP_007	66 36.738N	053 45.101W	0.5	Rhumb line	10.0168225614476	Delete	Add below
WP_008	66 49.442N	053 49.267W	0.5	Rhumb line	10.0168225614476	Delete	Add below
WP_009	66 56.220N	053 50.458W	0.5	Rhumb line	10.0168225614476	Delete	Add below
WP_010	66 56.919N	053 49.862W	0.5	Great circle	0	Delete	Add below

Reset Save Save and activate

## Route (edit or create)

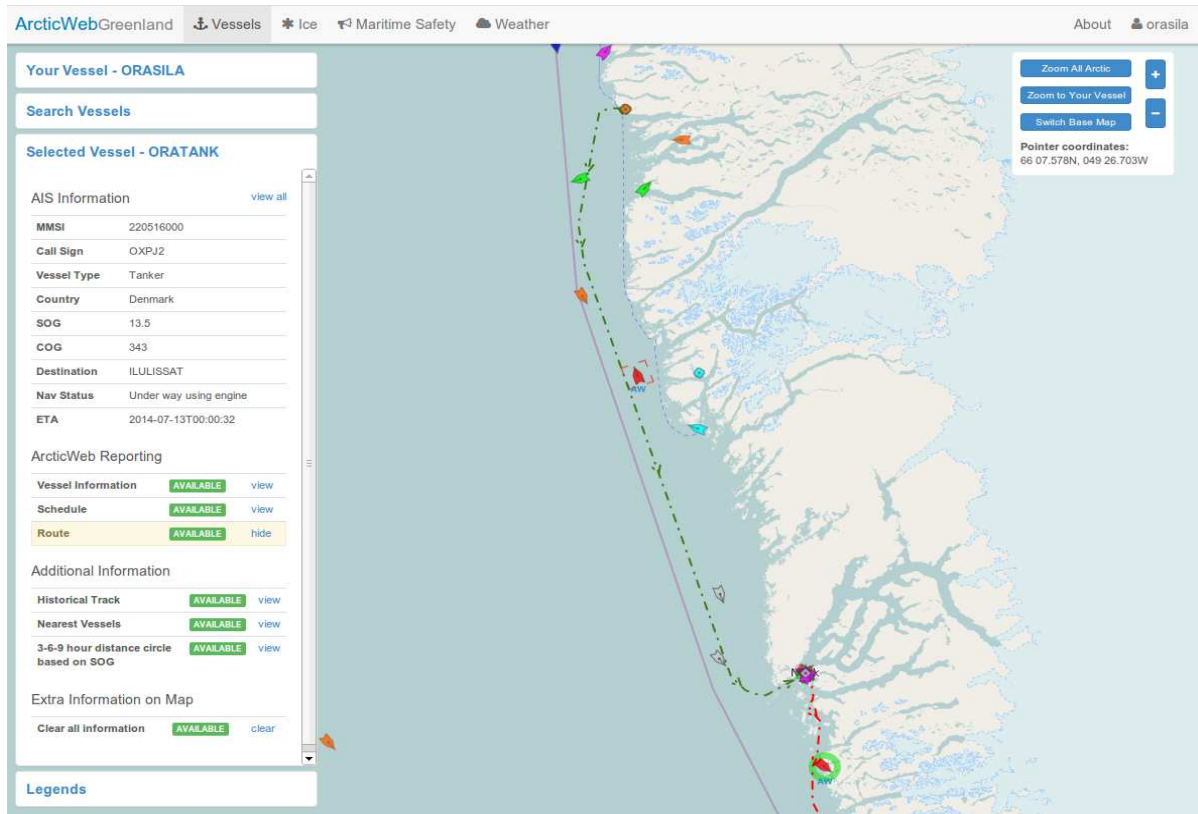
When route is uploaded it is possible to edit Waypoints and other route details by clicking *Edit route*.

By clicking *Create route* it is possible to create and save a route in ArcticWeb. This functionality may be used if it is not possible to export route from ECDIS system and import into ArcticWeb.

## Own and other vessels routes

The active route of own vessel is shown at all times on chart page (red route).





Other vessels active route can be seen by selecting the vessel and click the Route view link in the Selected Vessel view. The active route of other vessels is dark green.

ArcticWebGreenland Vessels Ice Maritime Safety Weather About orasila

**Your Vessel - ORASILA**

[Search Vessels](#)

**Selected Vessel - ORATANK**

**AIS Information** [view all](#)

MMSI	220516000
Call Sign	OXPU2
Vessel Type	Tanker
Country	Denmark
SOG	13.5
COG	343
Destination	ILULISSAT
Nav Status	Under way using engine
ETA	2014-07-13T00:00:32

**ArcticWeb Reporting**

Vessel Information AVAILABLE [view](#)

Schedule AVAILABLE [view](#)

Route AVAILABLE [view](#)

**Additional Information**

Historical Track AVAILABLE [view](#)

Nearest Vessels AVAILABLE [view](#)

3-6-9 hour distance circle based on SOG AVAILABLE [view](#)

**Extra Information on Map**

Clear all information AVAILABLE [clear](#)

[Legends](#)

**Schedule**

Location	Latitude	Longitude	Arrival (UTC)	Departure (UTC)	Crew	Passengers	Doctor	
Nuuk	64 10.400N	051 43.500W	2014-06-13 10:30	2014-06-15 9:00				<a href="#">Show</a>
No route								
Sisimiut (Holsteinsborg)	66 56.500N	053 40.500W	2014-07-10 11:05	2014-07-11 11:06				<a href="#">Show</a>
Route Sisimiut - Nuuk from Sisimiut (Holsteinsborg) to Nuuk (Godthåb) with 17 way points								
Nuuk (Godthåb)	64 10.400N	051 43.500W	2014-07-11 17:06	2014-07-12 11:06				<input checked="" type="checkbox"/> <a href="#">Show</a>
Route Nuuk-Paamiut 006 from Nuuk (Godthåb) to Paamiut (Frederikshåb) with 20 way points								
Paamiut (Frederikshåb)	61 59.800N	049 40.800W	2014-07-12 18:20	2014-07-19 11:11				<input checked="" type="checkbox"/> <a href="#">Show</a>
No route								
Qaqortoq (Julianeåb)	60 43.100N	046 02.400W	2014-07-20 11:13	2014-07-21 11:13				
No route								

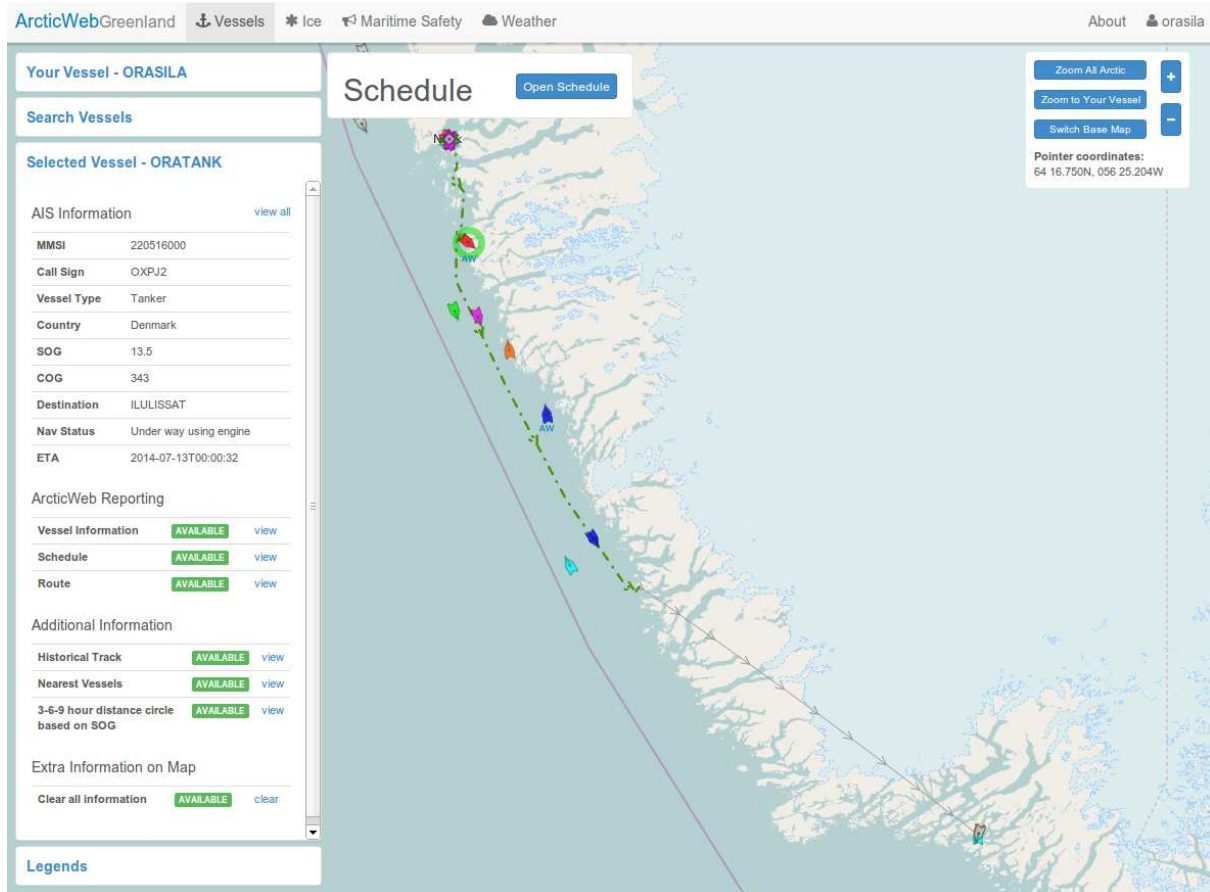
[View on Map](#)

**Map Controls:**

- [Zoom All Arctic](#) [+](#)
- [Zoom to Your Vessel](#) [-](#)
- [Switch Base Map](#)

**Pointer coordinates:** 60 23.609N, 042 57.380W

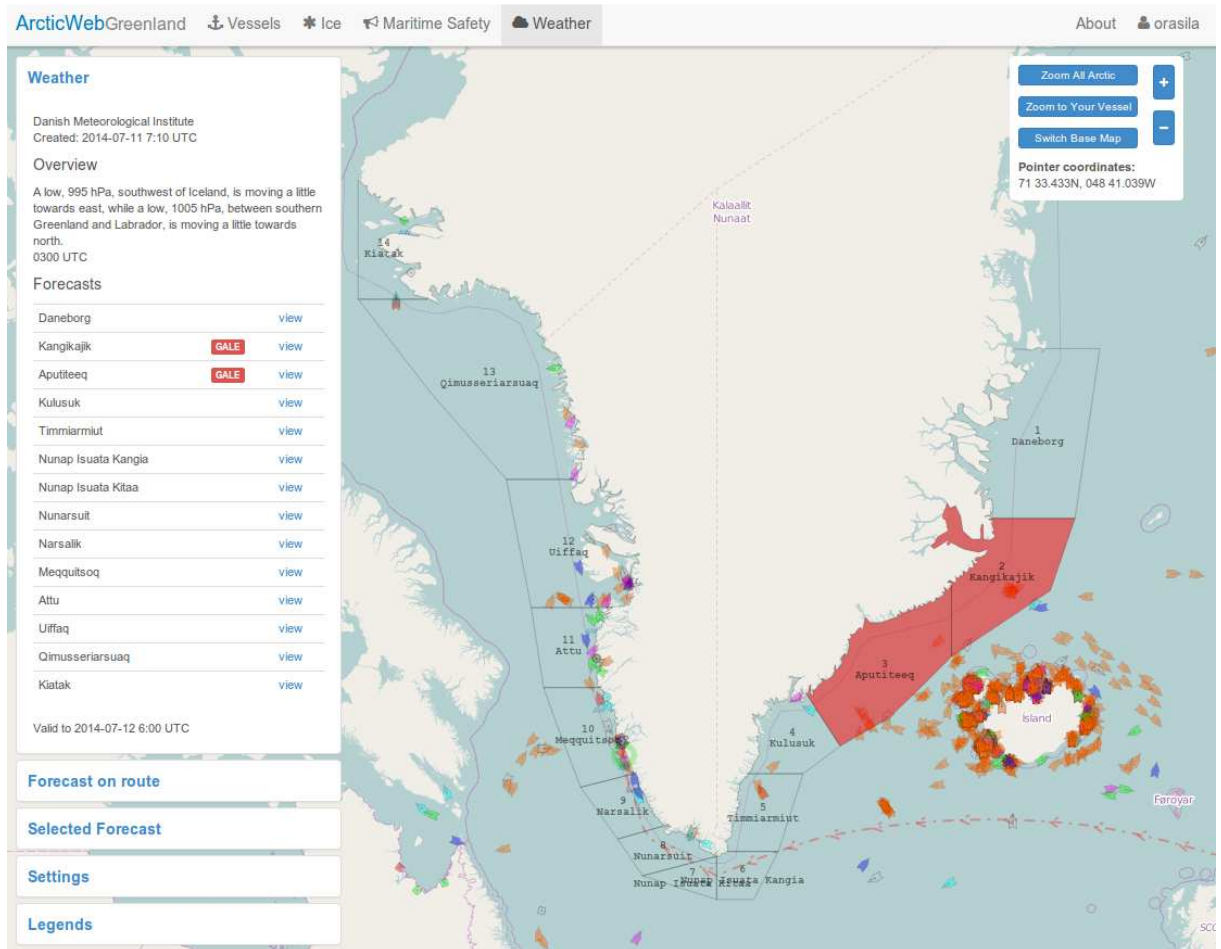
Own and other vessels planned routes can be viewed on chart by selecting the vessel and click on the Schedule *view* link in the Selected Vessel view. Select the routes to view and choose *View on Map*.



Own vessels planned route are orange. Other vessels planned routes are light green. If a detailed route is not available then a line is drawn connecting the departure and arrival locations from the Schedule. The line is black for own vessels and gray for other vessels.

Routes are only available from vessels participating in ArcticWeb. This is indicated by the letters AW below the target symbol.

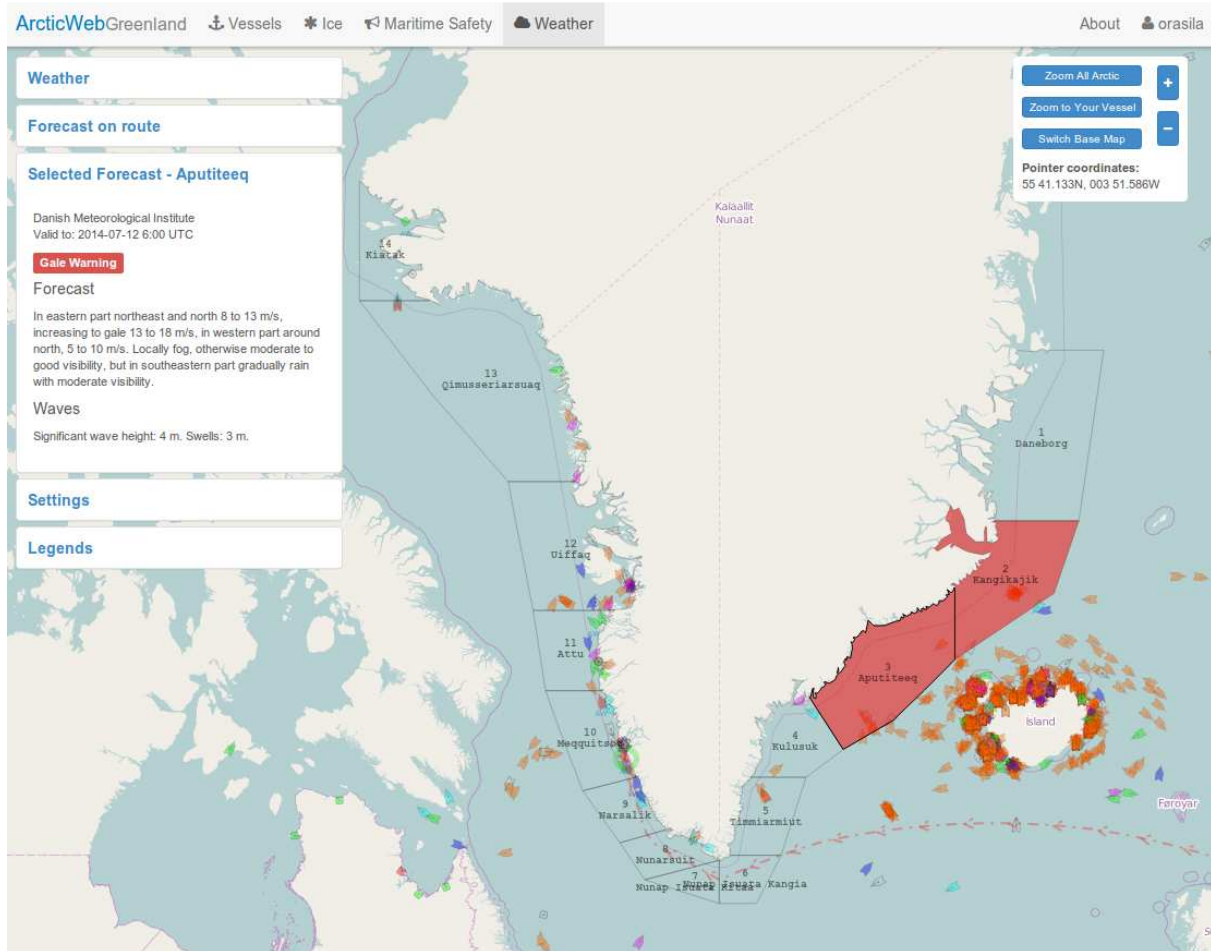
## Weather



### Weather – main page

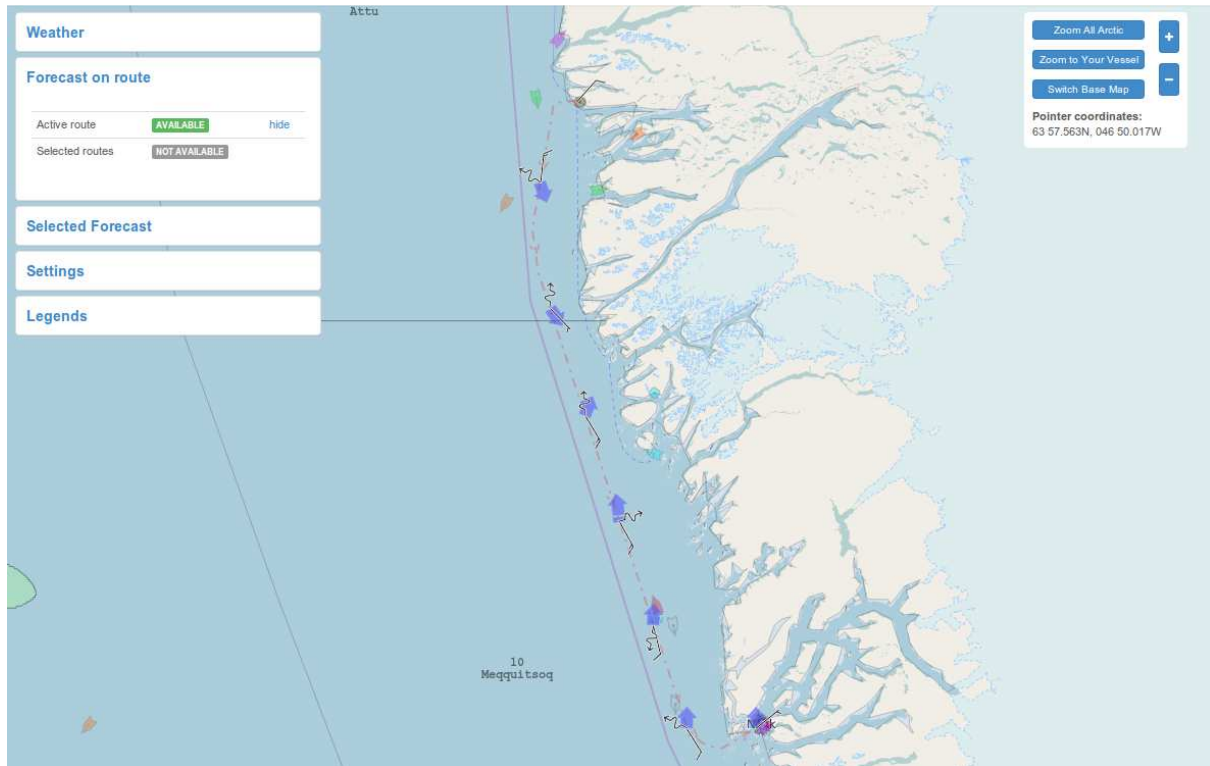
By clicking the *Weather* tab in the top menu, the Weather window is opened on the left. Weather forecasts and warnings will be available here.

The forecast districts will also be outlines on the map. Districts with one or more warnings are highlighted with red.



### Selected weather forecast – details

Click a *view* link in the Weather window or click on a district on the map to see a detailed weather forecast and warnings for that district.



### Forecast on route – main page

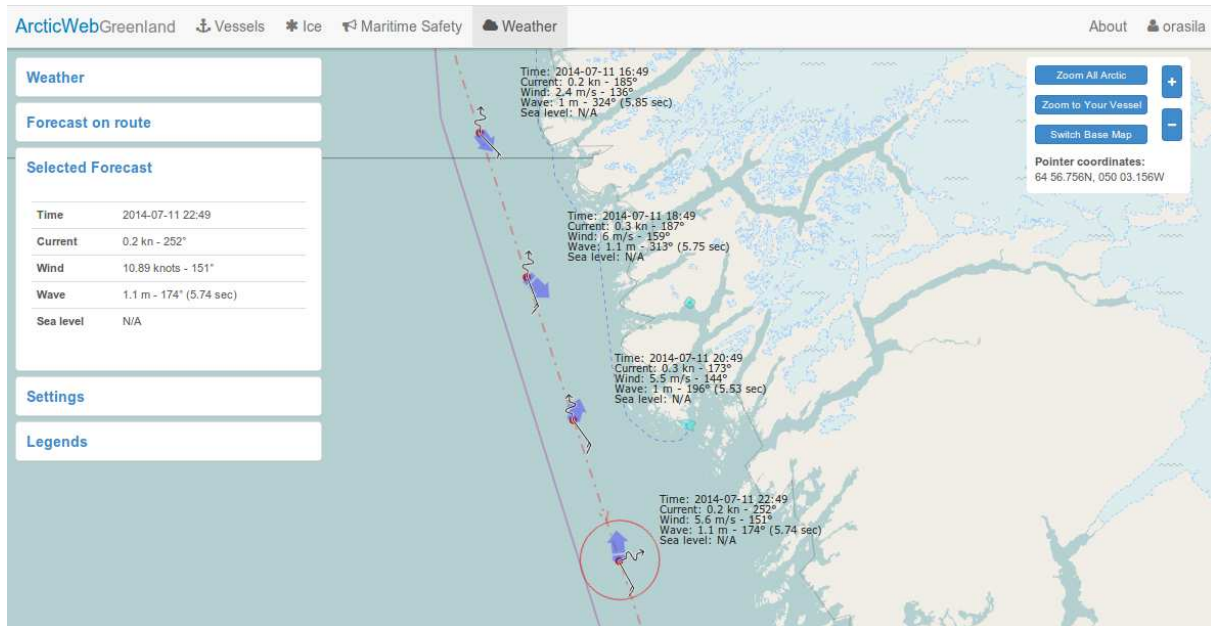
After creation/uploading and activation of a route it is possible to get a weather forecast (METOC information) on the route. The forecast consists of wind, waves, current and tidal level values and these values can be expected up to 45 hours from current time.

Click on the *Forecast on route* window and thereafter on the *Active route view* link.

It is also possible to view forecast on routes of other vessels. Select the routes using the functionality in the *Vessel* tab and thereafter navigate back to the *Weather* tab, choose *Forecast on route* and thereafter the *Selected routes view* link.

The *view* link will only be *AVAILABLE* if you have an active route / have selected routes and route(s) in question are scheduled within current time to 45 hours ahead.





### Forecast on route - details

Details for specific forecast points are shown when click the symbols on the map. They are also displayed on the map when zooming in.