

Skylight for Conservation Release Notes December 2021

Next generation insights for marine protection.

Summary

View Fishing Activity!	2
“Beta” Feature and Upcoming Improvements	3
Minimize Event Cards	3
Improvements to Vessel Tracks	4
View Average Speed of a Track Segment	4
View Last Known Position	4
Enable or Disable Entry Events for Areas	5
Recommended Browsers	5

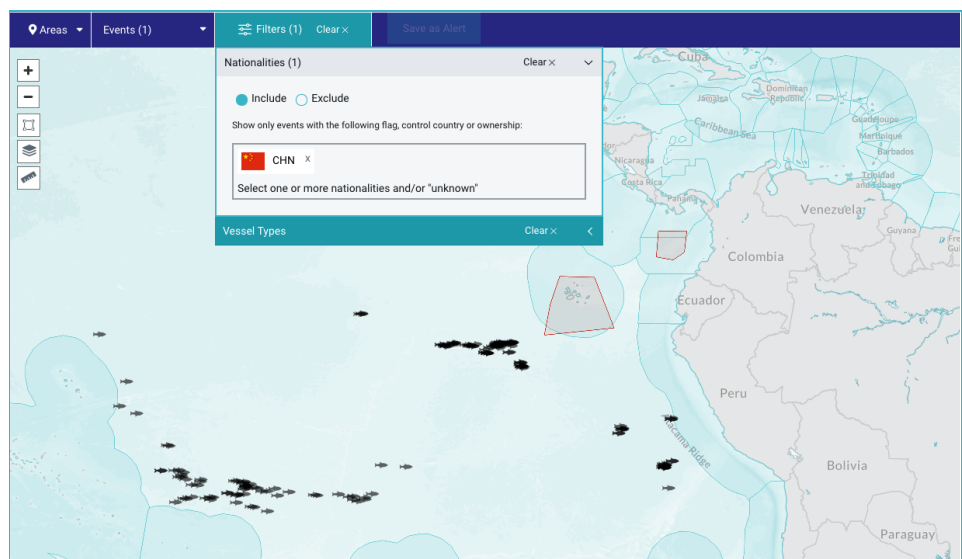
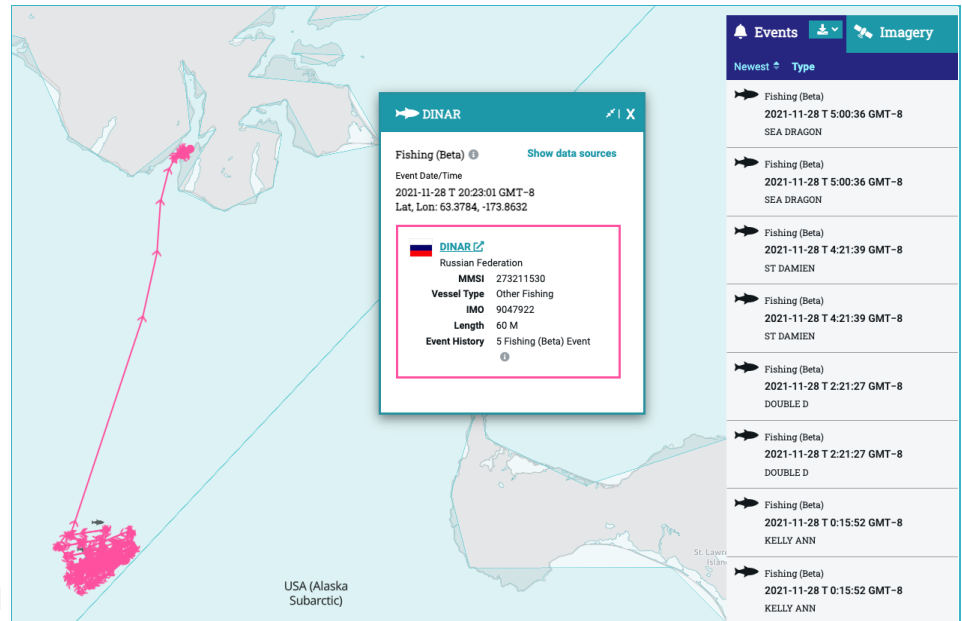
View Fishing Activity!

Skylight now automatically generates fishing events globally! This event is generated when the machine learning model detects fishing behavior in the tracks of an AIS-transmitting vessel. Note this is the “Beta” version of the event, which means we are actively improving this feature before we consider it complete. More information about the “Beta” version is below.

Ways to use Fishing Events:

- Monitor foreign vessels fishing at the border of an EEZ border (**top right image** shows Russian vessel fishing at the edge of US-Russia border).
- Monitor whether industrial fishing vessels are fishing inside artisanal-only fishing zones near-shore.
- Monitor where distant water fleets of specific countries are active (**bottom right image** shows likely location of the Chinese distant water fishing fleet 1 day prior).

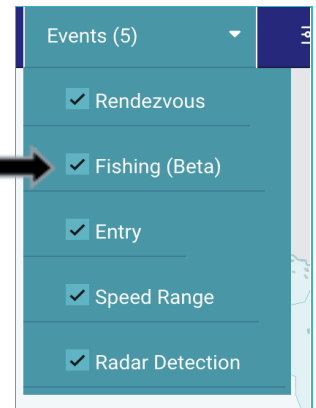
NOTE: The fishing detection model does not consider vessel type when generating a Fishing Event. This is specifically to identify vessels who are fishing without transmitting themselves as fishing vessels on AIS - which is suspicious in many areas.



Similar to Standard and Dark Rendezvous events, Fishing Events will appear on the map without the user having to create an area. Skylight will provide basic information on the event such as:

- Vessel information: name, flag, MMSI, IMO, vessel type, length
- Event's start time and date, latitude and longitude
- Vessel tracks 48 hours before and after the event

You can choose to exclusively view Fishing Events from the Events menu at the top **(image right)**. You can also filter Fishing Events by Nationality, Vessel Type, and Date Range like the other events.



NOTE: If you are viewing data longer than 72 hours, including fishing events may make the events on the map and side panel load slowly.


“Beta” Feature and Upcoming Improvements

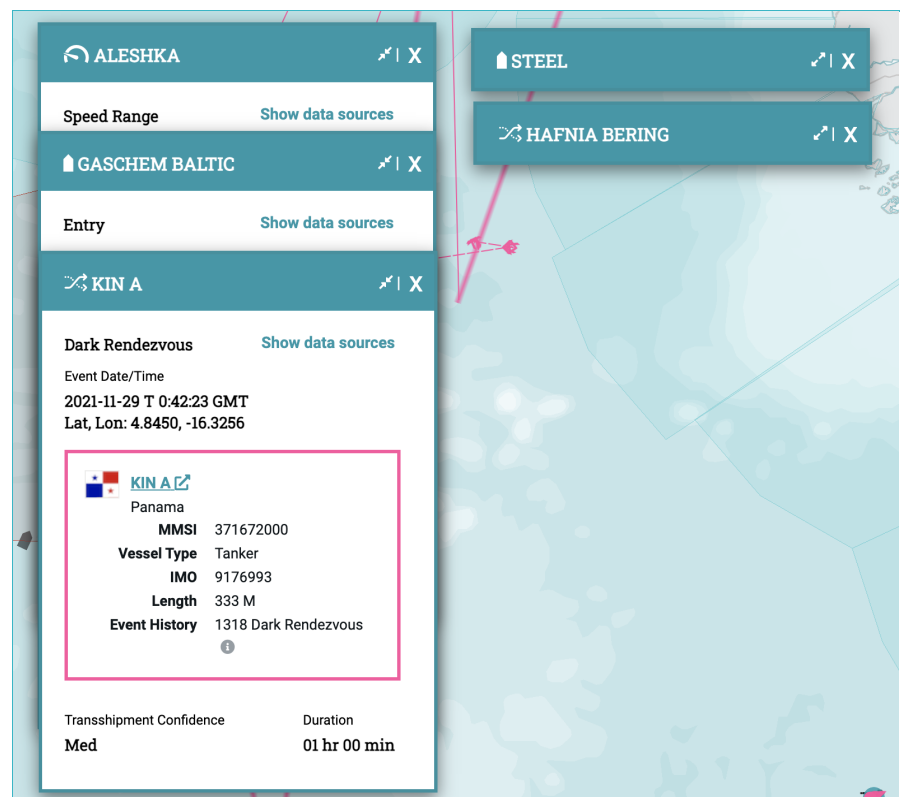
For this initial release, Fishing Events will be uploaded into our system every 24 hours and will not be real-time. The delay between when the fishing activity occurs and when a Fishing Event appears in Skylight can be between 6 to 29 hours. Because Fishing Events are not in real-time, you will not be able to create alerts using Fishing Events either. In the coming months, we plan to generate Fishing Events in real-time like the other events on the platform and add alerting.

In the near future, we will also disambiguate Fishing and Dark Rendezvous events. We know that in some parts of the ocean today, Dark Rendezvous events are accidentally picking up Fishing events. While this event is still in a “Beta” stage, you may see Fishing and Dark Rendezvous icons for the same vessel on top of each other.

Minimize Event Cards

We added the ability to minimize the Event Detail cards so that you can open and organize multiple events without losing view of the map.

Click on the  icon on the top right of each card to minimize and maximize it.

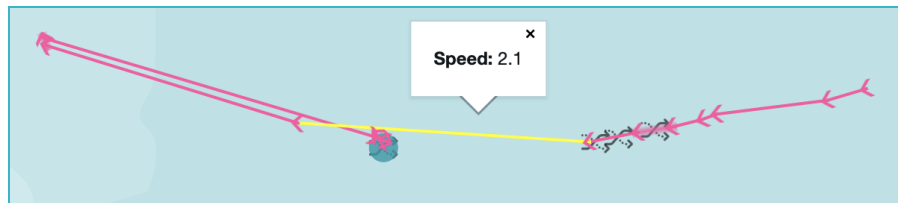


Improvements to Vessel Tracks

For all events, Skylight shows summarized vessel tracks 48 hours before and 48 hours after the event. Over the past month, we updated how we display tracks to make them easier to investigate.

View Average Speed of a Track Segment

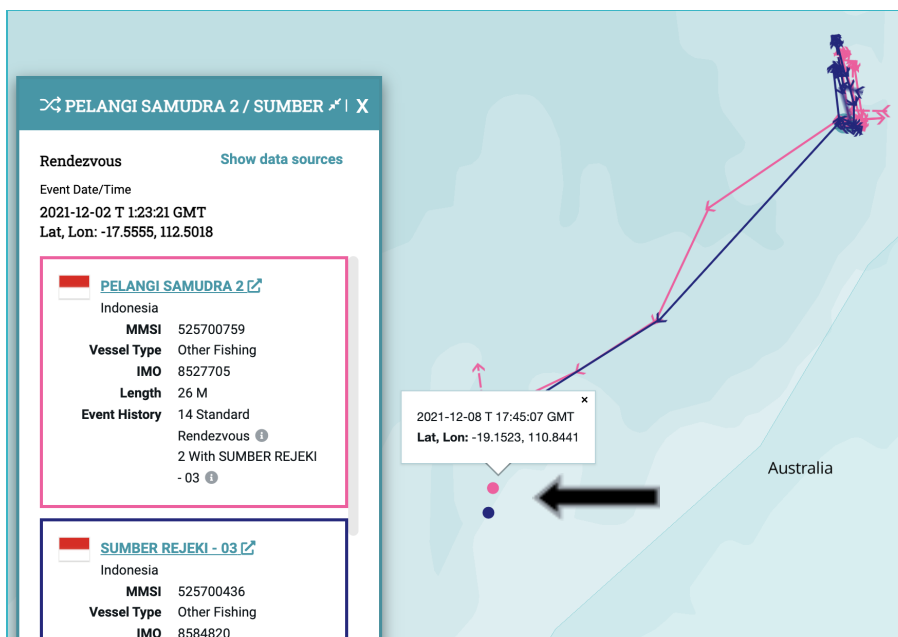
Hovering or clicking on a part of the track line will highlight the segment in yellow and show the average speed of that segment.



View Last Known Position

We now display the last known position of the vessel along with its tracks, which is particularly useful if it has been more than 48 hours since the event occurred.

A circle in the same color as the vessel's track will be shown on the map. By clicking the circle on the map, you can see the timestamp and location of the vessel when it was last received.



In the image on the right, the event happened on Dec 2, the tracks display each vessel's movement until Dec 4, and the last known position points show both vessels are still in the general area as of Dec 8. If the event happened in the past, it is possible for the last known position to be very far from the event and difficult to find.



NOTE: As part of the work done to generate Fishing Events, we are using an improved process for summarizing vessel positions and creating tracks. As a result, Fishing Events should be more accurate, particularly compared to Dark Rendezvous events. The tracks you will see for Fishing Events will also be more detailed than tracks for other events. In the coming months, you will see improved tracks for the other event types too.

Enable or Disable Entry Events for Areas

You will no longer see the ability to enable and disable Entry Events from the Area menu. This option has moved inside the “Manage” link where you can configure other area settings, like monitoring Speed Range Events.

Areas	Events (1)	Filters (1)	Clear x
Gabon	View Copy Manage Delete		
Galapagos	View Copy Manage Delete		
Gulf of Mexico	View Copy Manage Delete		
Maldives	View Copy Manage Delete		

In the map toolbar, use:

-  to create an area
-  to view a custom area

Manage Area

Managing Gabon

[[[8.229605276985836,-1.8166608718765218],
[7.278971875796401,-3.5985019039625],
[8.675581440506221,-5.610511137222659]]]


Copy Coordinates

Area name
Gabon

Description
Monitoring activity in this area

All fields required

☒ Generate Area-Related Entry Events

Add Speed Range Events:



Cancel Save

Recommended Browsers

For a better user experience, it is recommended to use a browser that we are currently supporting. You will see a warning message upon logging in if the browser you are using is not compatible with Skylight.

You can view the most updated list of browsers supported [here](#) (e.g. Chrome, Edge, Firefox, and Safari for Desktop users).

Warning: This is an unsupported browser. Please use a [supported browser](#) for a better user experience


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Welcome, please log in

Email

Password

Skylight EULA (updated Sept 15, 2021)
and Privacy Policy (updated Sept 1, 2021)

Forgot Password?

Log In