



Skylight for Conservation Release Notes

May 2020

Next generation insights for marine protection.

Summary

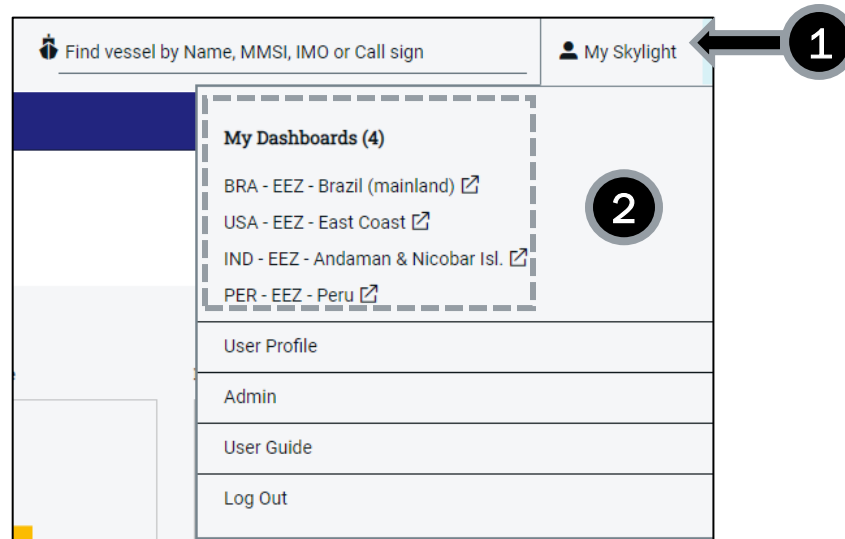
EEZ Dashboard.....	2
Accessing the Dashboard	2
Summary.....	3
Event Analysis.....	5
Additional Improvements.....	6
Skylight is available in French	6
Making it easier to select multiple vessel types	7
SAR image chips are larger.....	8
Improvements to the Rendezvous History.....	9
Last Known Position for vessel is now visualized on a map	10
Vessels reporting suspicious speeds are now visible	11

EEZ Dashboard

The Skylight Platform now provides a dashboard with summary statistics about your Exclusive Economic Zone (EEZ)! Navigating to this dashboard can give you a quick summary of Skylight activities in your EEZ to prepare for briefings and gather information for weekly, quarterly and monthly reports.

Accessing the Dashboard

1. Click on the “My Skylight” menu at the top right corner of the application. **Note:** This feature is only accessible on Desktop.
2. Under the “My Dashboards” section, you will see the list of EEZs that are accessible to your account. Highlight and click the EEZ Dashboard you want to view.



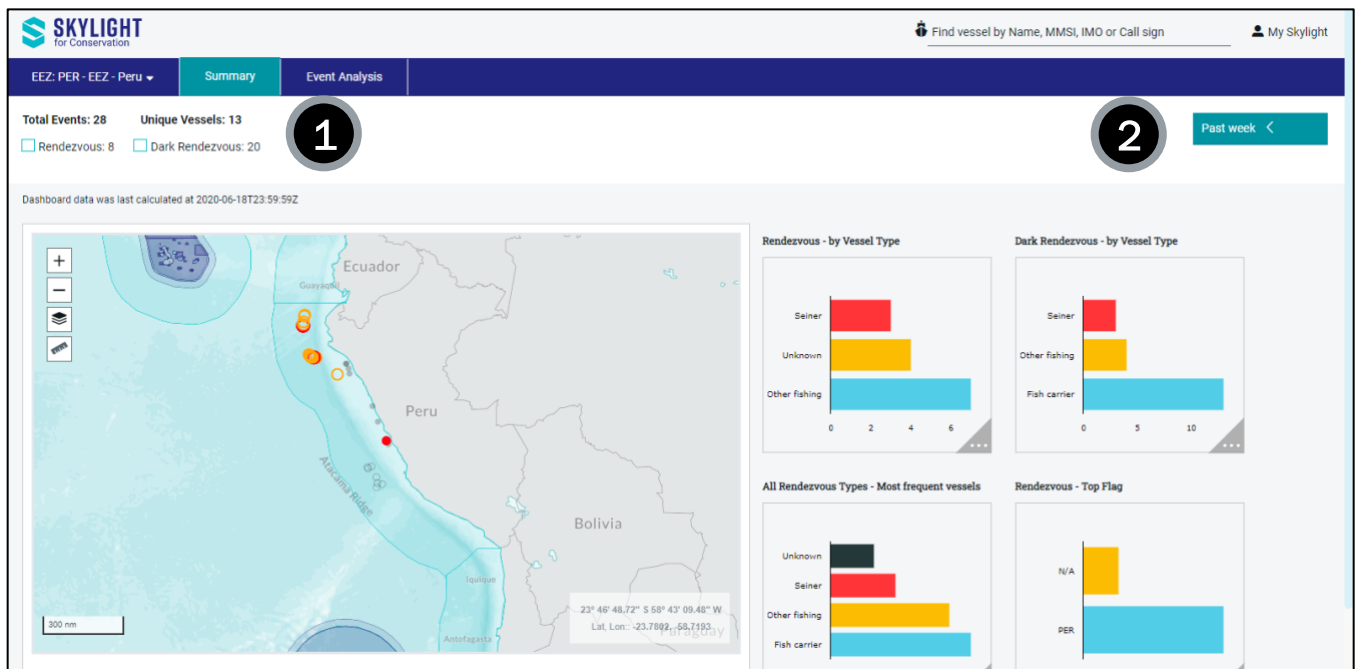
Note: If you are interested in viewing dashboards for EEZ(s) your account is not currently assigned to, please email support@skylight.global with the name of the EEZ(s).

Once you click on a dashboard, you will see two tabs: Summary (shown by default) and Event Analysis.

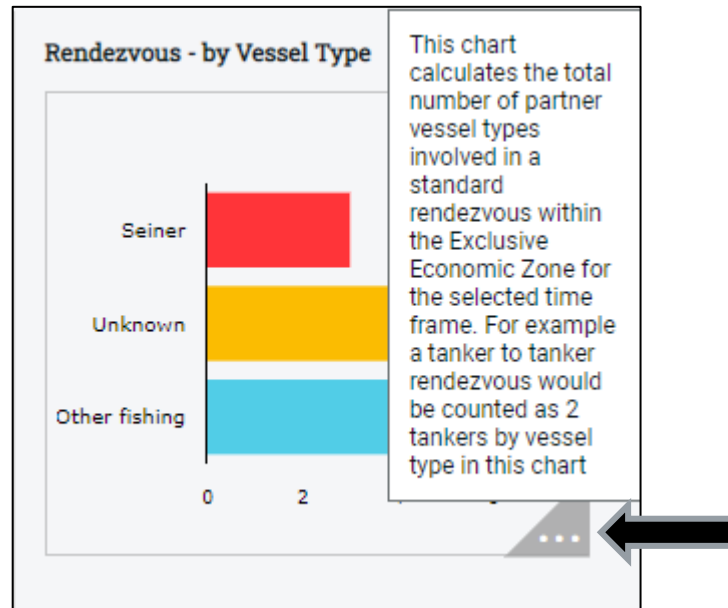
Summary

This tab provides a quick display of rendezvous activities in your EEZ with a scatterplot of those activities. By default, the dashboard shows you data for the past week. To control the display of the map and the widgets, you can filter by:

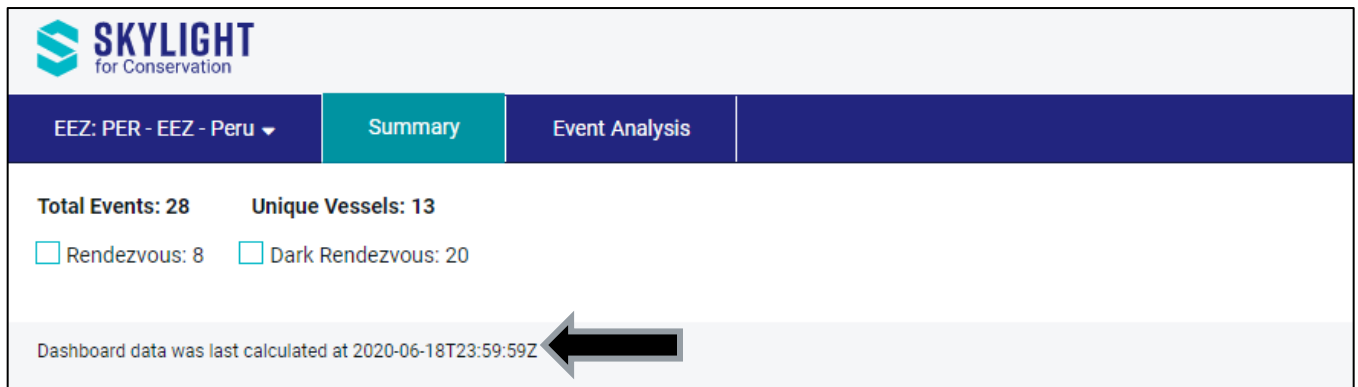
1. Event Types
 - If none of the checkboxes are selected, the map and the widgets will be showing Rendezvous and Dark Rendezvous
2. Time



If you have questions about what a widget means, you can hover over the triangle icon on the bottom corner of a widget and view a detailed description about the statistics.



Note: The data being displayed for each widget is updated daily at 12:00 AM UTC. You can always view events that have occurred since 12:00AM UTC by going back to Skylight’s main map and navigating to your EEZ. However, those events will not be automatically counted for you in the EEZ dashboard widgets.



SKYLIGHT
for Conservation

EEZ: PER - EEZ - Peru ▾ Summary Event Analysis

Total Events: 28 **Unique Vessels: 13**

Rendezvous: 8 Dark Rendezvous: 20

Dashboard data was last calculated at 2020-06-18T23:59:59Z

Event Analysis

The second tab on the EEZ Dashboard, “Event Analysis”, gives a quick view of the most recent events that have occurred in your EEZ and who were involved. “Events” include Standard and Dark Rendezvous. By default, events will be sorted from most recent to least recent, though you can sort by another field (e.g. vessel name to look for a particular vessel).

For each event, we include the flag(s), vessel name(s) when known, location, and start time. Clicking on an event will update the map on the left to the location of that event. Additionally, clicking on any vessel names will take you to a new window with additional details about that vessel.

SKYLIGHT for Conservation

Find vessel by Name, MMSI, IMO or Call sign | My Skylight

EEZ: PER - EEZ - Peru | Summary | **Event Analysis**

Total Events: 28 | Unique Vessels: 13 | Filters (0) | Clear x

Dashboard data was last calculated at 2020-06-18T23:59:59Z

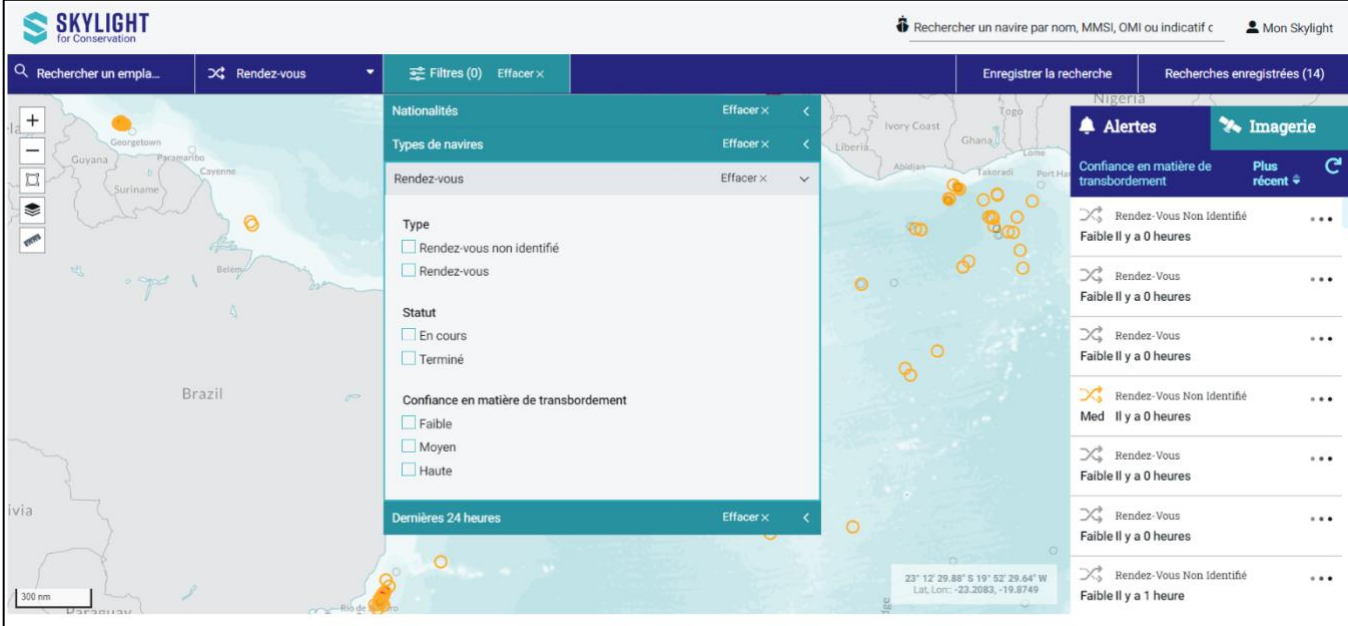
Event	Flag	Vessels	Location	Start Time
Dark Rendezvous Low		JORGE-MARIO	-13.60858, -78.64138	2020-06-18T22:36:31Z
Dark Rendezvous Med		IVAR REEFER	-4.15854, -82.59512	2020-06-18T09:57:55Z
Dark Rendezvous Med		IVAR REEFER	-4.22727, -82.62368	2020-06-18T05:32:04Z
Dark Rendezvous Low		DONA LUCIA	-13.52607, -78.67865	2020-06-17T22:57:57Z
Dark Rendezvous Med		IVAR REEFER	-4.57967, -82.67455	2020-06-17T14:27:14Z
Dark Rendezvous Med		IVAR REEFER	-4.73310, -82.68843	2020-06-17T05:34:35Z
Dark Rendezvous High		IVAR REEFER	-4.81511, -82.69863	2020-06-16T23:17:53Z
Rendezvous		MARIA MERCEDES	-10.75157, -78.03102	2020-06-16T21:38:03Z

Additional Improvements

While the EEZ Dashboard was the biggest release this month, we have also made a number of changes to make it easier to use Skylight.

Skylight is now available in French

You will view Skylight in French if your Internet browser is set to French. If your browser is set to French and Skylight is not showing in French already, quit the browser application running Skylight currently and re-open Skylight in a new window.

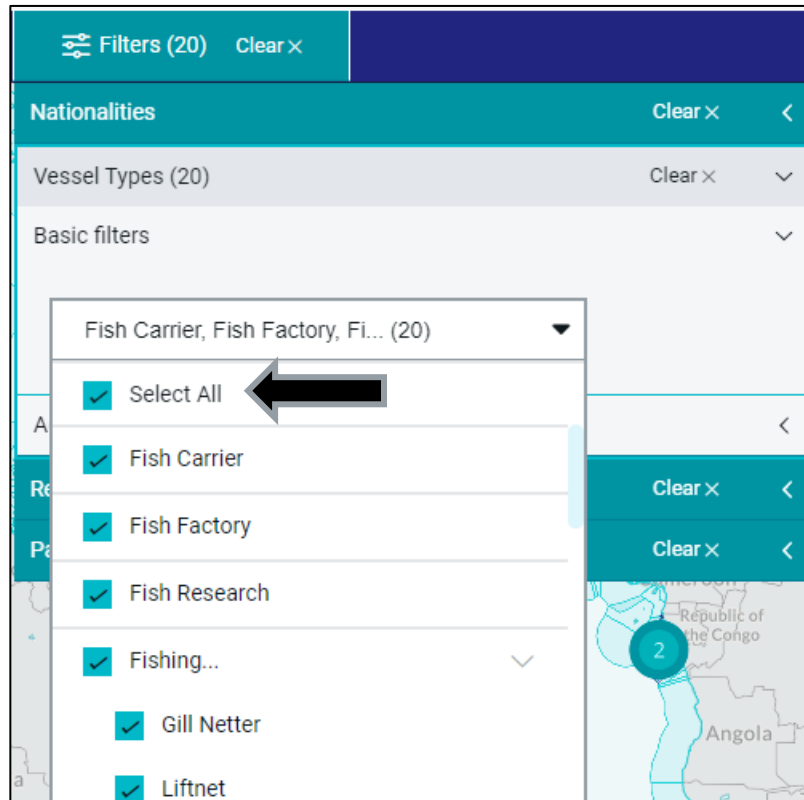


The screenshot displays the Skylight web application interface in French. The top navigation bar includes the Skylight logo, a search bar for ships by name, MMSI, or OMI, and a user profile icon labeled 'Mon Skylight'. Below the navigation bar, there are several tabs: 'Rechercher un empla...', 'Rendez-vous', 'Filtres (0) Effacer x', 'Enregistrer la recherche', and 'Recherches enregistrées (14)'. The main content area is divided into three sections: a map on the left, a filter panel in the center, and an alerts list on the right. The filter panel includes sections for 'Nationalités', 'Types de navires', 'Rendez-vous', 'Type' (with checkboxes for 'Rendez-vous non identifié' and 'Rendez-vous'), 'Statut' (with checkboxes for 'En cours' and 'Terminé'), and 'Confiance en matière de transbordement' (with checkboxes for 'Faible', 'Moyen', and 'Haute'). The alerts list on the right shows a table of alerts with columns for 'Confiance en matière de transbordement' and 'Plus récent'. The table contains several rows of alerts, including 'Rendez-Vous Non Identifié' and 'Rendez-Vous', with associated confidence levels and time intervals.

Confiance en matière de transbordement	Plus récent
Rendez-Vous Non Identifié	Faible Il y a 0 heures
Rendez-Vous	Faible Il y a 0 heures
Rendez-Vous	Faible Il y a 0 heures
Rendez-Vous Non Identifié	Med Il y a 0 heures
Rendez-Vous	Faible Il y a 0 heures
Rendez-Vous	Faible Il y a 0 heures
Rendez-Vous Non Identifié	Faible Il y a 1 heure

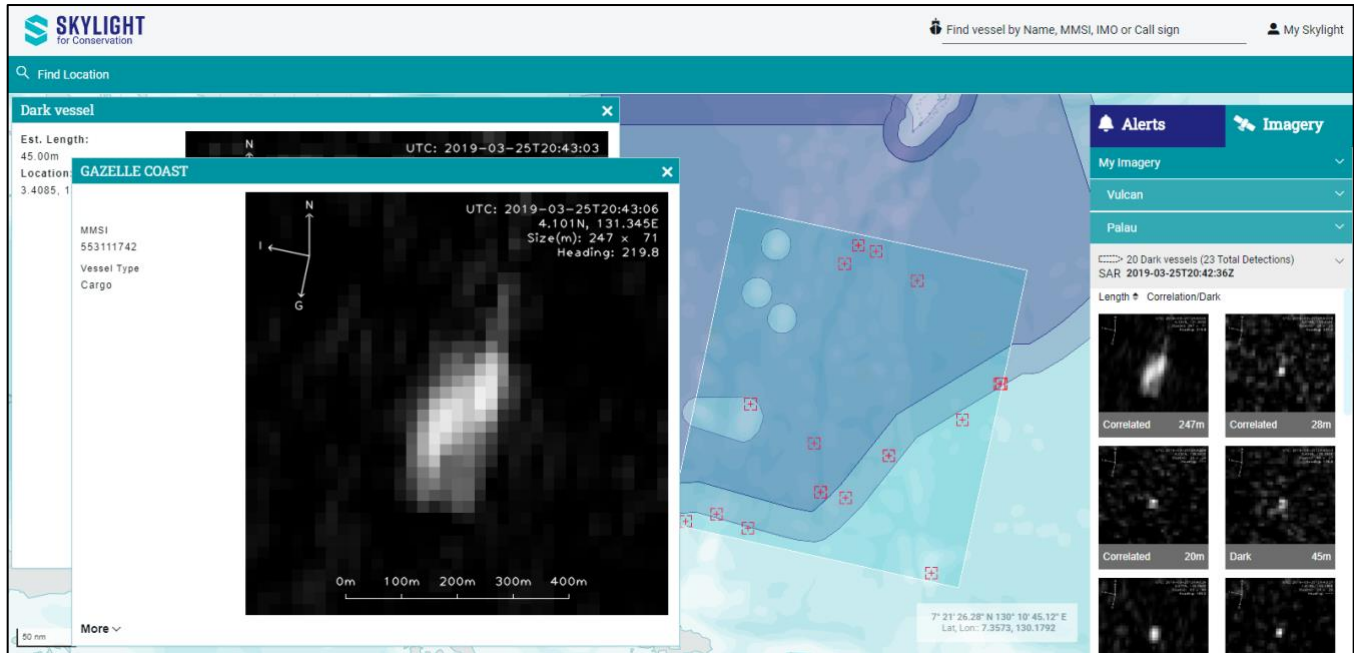
Making it easier to select multiple vessel types

While filtering vessel types, you can now click 'Select all' when using the basic or advanced filter to include all the categories and sub categories. You can then de-select vessel types that you do not want included.



SAR image chips are larger

The SAR image chips are now shown in their full size. We share the highest resolution chip we receive from our satellite provider.



The screenshot displays the SKYLIGHT for Conservation web interface. At the top, there is a search bar for "Find vessel by Name, MMSI, IMO or Call sign" and a user profile icon labeled "My Skylight". Below the search bar is a "Find Location" input field.

The main content area is divided into several sections:

- Dark vessel:** A panel showing vessel details:
 - Est. Length: 45.00m
 - Location: 3.4085, 1
 - MMSI: 553111742
 - Vessel Type: Cargo
 - Cargo: (empty)
- GAZELLE COAST:** A panel showing a SAR image chip with a scale bar (0m to 400m) and a compass rose. The image shows a dark vessel against a lighter background. Metadata includes:
 - UTC: 2019-03-25T20:43:03
 - 4,101N, 131,345E
 - Size(m): 247 x 71
 - Heading: 219.8
- Alerts and Imagery:** A sidebar on the right with tabs for "Alerts" and "Imagery". Under "Imagery", there are sections for "My Imagery" (listing Vulcan and Palau) and "20 Dark vessels (23 Total Detections) SAR 2019-03-25T20:42:36Z". A table of vessel detections is shown:

Length	Correlation/Dark
247m	Correlated
28m	Correlated
20m	Correlated
45m	Dark

The background of the interface is a map showing the GAZELLE COAST region. A specific location is highlighted with coordinates: 7° 21' 26.28" N 130° 10' 45.12" E, Lat, Lon: 7.3573, 130.1792.

Improvements to the Rendezvous History


The number of records in a vessel's Rendezvous History is now more conveniently displayed above the list of records.

Rendezvous History: Since Nov. 2017
✕

Total Standard Rendezvous: 92

Total Dark Rendezvous: 23

With VSEVOLOD SIBIRTSEV: 75



VIKING

Russian Federation

Displaying Last 115

Rendezvous Type	Vessel	Date/Time
Transshipment Confidence	Flag Vessel Type	Duration Location
 Rendezvous High	<div style="background-color: red; color: white; padding: 2px; display: inline-block; margin-bottom: 2px;">VSEVOLOD SIBIRTSEV</div> Russian Federation Fish Factory	2020-06-18T18:23:06Z 01:42:27 42.9791, 147.3346
 Rendezvous High	<div style="background-color: red; color: white; padding: 2px; display: inline-block; margin-bottom: 2px;">VSEVOLOD SIBIRTSEV</div> Russian Federation Fish Factory	2020-06-17T21:07:03Z 05:13:54 43.2716, 147.1308
 Dark Rendezvous		2020-06-16T11:56:46Z 00:43:41

Last Known Position for vessel is now visualized on a map

The Last Known Position (LKP) of a vessel is found on the Vessel Details Page. Now, we display that LKP as a row in the event table that can be viewed on the map alongside other events. This makes it easy to quickly assess how far a vessel is currently from a recent event, or whether it is likely to repeat behavior in its current position.

Vessel History Since Nov. 2017

Total Standard Rendezvous
104

Total Dark Rendezvous
16

Total Port Visits
0

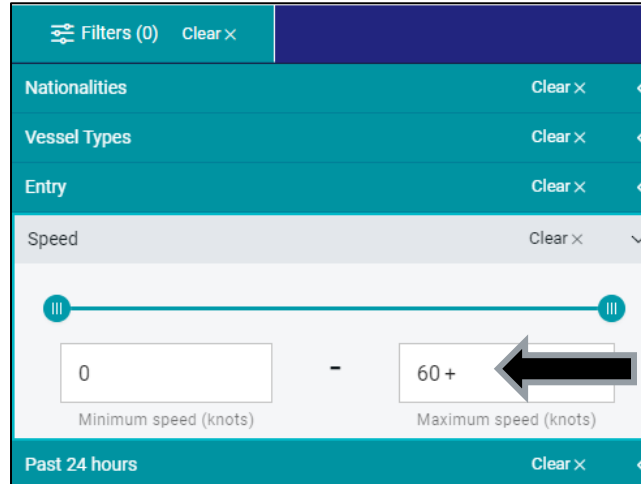
Total Entry Events
0

Total Proximity Events
0

Entry Type	For Rendezvous: Vessel Name/Flag/Vessel Type	Entry: Area Country	Location	Start/ Arrival Date	Duration
●	Last Known Position		-3.7002, -86.1254	2020-06-19T16:42:06Z	1
⌂	Rendezvous High	ZHOU YU 810 China Other Fishing	-3.6789,-85.9566	2020-06-18 T21:52:50Z	14h 19m
⌂	Dark Rendezvous Low		-5.5366,-86.0514	2020-06-06 T04:27:44Z	1h 47m

Vessels reporting suspicious speeds are now visible

Previously, the maximum speed-over-ground visible on our platform was 60 knots. Now, you can see Entry and Proximity events for vessels reporting speeds greater than 60 knots. The highest possible speed that can be transmitted via AIS is 102.2.

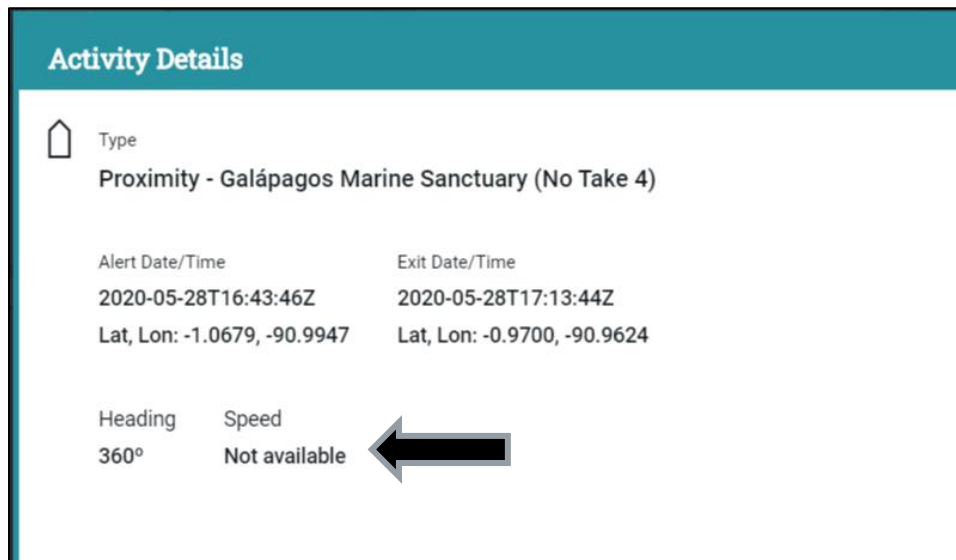


The screenshot shows a filter menu with the following items:

- Filters (0) Clear x
- Nationalities Clear x <
- Vessel Types Clear x <
- Entry Clear x <
- Speed Clear x v

The Speed filter is expanded, showing a range from 0 to 60+. A black arrow points to the '60+' value in the 'Maximum speed (knots)' input field.

Note: If a vessel is not reporting a speed (e.g. if the vessel's speed instrument is broken), its AIS will transmit a speed of 102.3. This speed is automatically converted to 'Not available' in any screens displaying speed. Regardless of what speed you select in filters, 'Not available' speeds are always included.



Activity Details

Type
Proximity - Galápagos Marine Sanctuary (No Take 4)

Alert Date/Time	Exit Date/Time
2020-05-28T16:43:46Z	2020-05-28T17:13:44Z
Lat, Lon: -1.0679, -90.9947	Lat, Lon: -0.9700, -90.9624

Heading	Speed
360°	Not available

A black arrow points to the 'Not available' speed value.