



Skylight for Conservation Release Notes October 2021

Next generation insights for marine protection.

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Speed Range Event - Monitoring Specific Speeds in Your Area of Interest

Skylight has added a new type of event: Speed Range! This is an AIS, area-based event that allows setting parameters about what type of speed to monitor for in an area. There are several reasons you may want to generate this event:

- To monitor vessels traveling above a speed where they are in danger of fatally striking large mammals (e.g. Right Whale migration along the east coast of the United States).
- To monitor vessels that are unlikely to be on “innocent passage” through an area, for example slowing down to fish in an EEZ where they have no license.

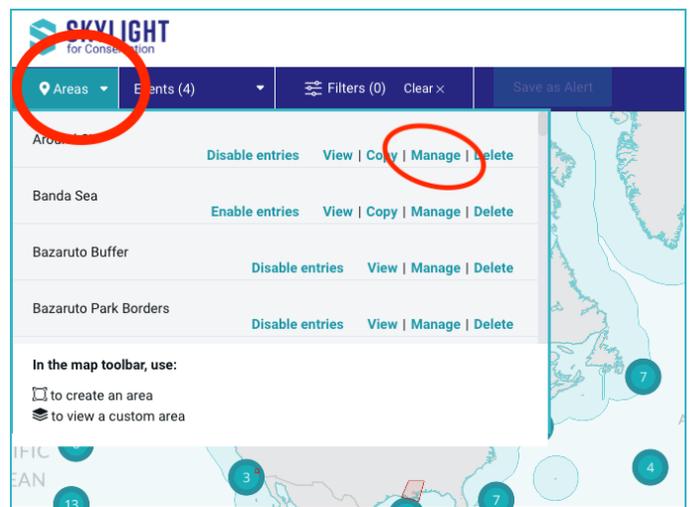
Enabling Speed Monitoring

Speed Range events do not appear automatically like Rendezvous events. They must be configured and enabled for a specific area, similar to Entry Events.

To check whether the area you want to monitor speeds is already in the system, go to the “Areas” menu on top left and look for the area in that list. One reason you may already have the area is because it was created to monitor Entry Events.

If your area already exists: click on “Manage” and you will see the option to enable Speed Range events.

If your area does not yet exist: use the “Create Area” tool from the left toolbar () and you will be prompted to configure a Speed Range event as part of that process.



Whichever method you use, use the plus button () to start configuring the event. You can click on this button multiple times to monitor multiple types of Speed Range events for the same area.

The Different Types of Speed Settings

As the event name suggests, every Speed Range requires that you configure a specific speed range: what minimum and maximum speed is of most interest? **NOTE:** You cannot choose a speed lower than 1 knot.

Every Speed Range also requires choosing a minimum distance or minimum time that the vessel must be traveling within that speed range. Examples:

- Vessels traveling significantly faster than 10 knots for several kilometers on the Atlantic coast on AIS are very likely to be breaking speed regulations protecting right whales.
 - Speed Range: 13 to 60 knots
 - Distance: 3 km
- Fishing vessels traveling 1-3 knots for at least 20 minutes could be fishing.
 - Speed Range: 1 to 3 knots
 - Time: 20 minutes
 - **NOTE:** You cannot add limitations like vessel types at this stage. Limiting this Speed Range to only fishing vessel types happens later through the Filters menu (see section “Getting Alerted to Speed Range Events” below).

Generate Area-Related Entry Events

Speed Range 13 - 60 knots / 3 km Delete

Speed Range 1 - 3 knots / 20 min Delete

Add Speed Range Events:

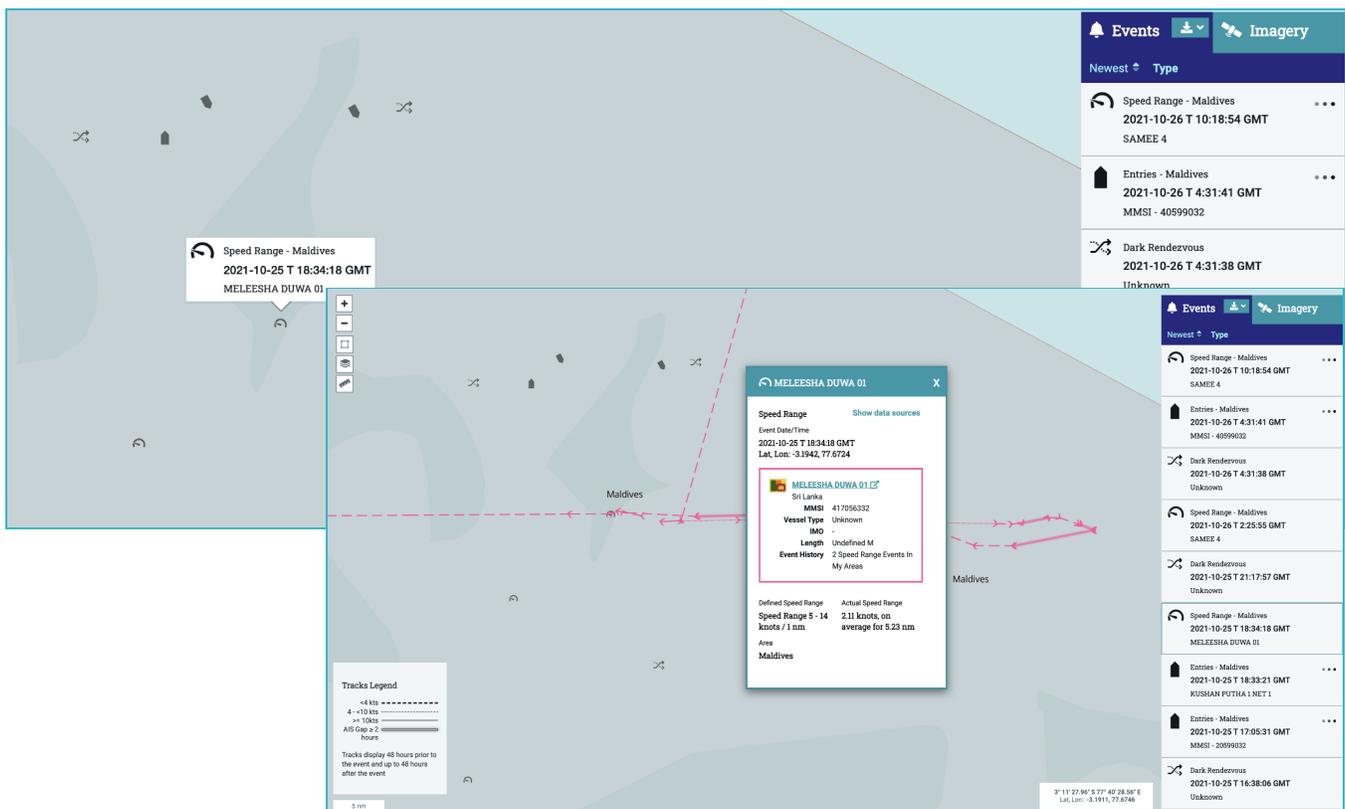
+

Cancel
Save

Once the area and Speed Range settings are saved, events will be generated as soon as a vessel inside the area meets the speed criteria.

Viewing A Speed Range Event

Like other events, Speed Range events will appear on the map and the event list on the sidebar. You can open the event from either location.

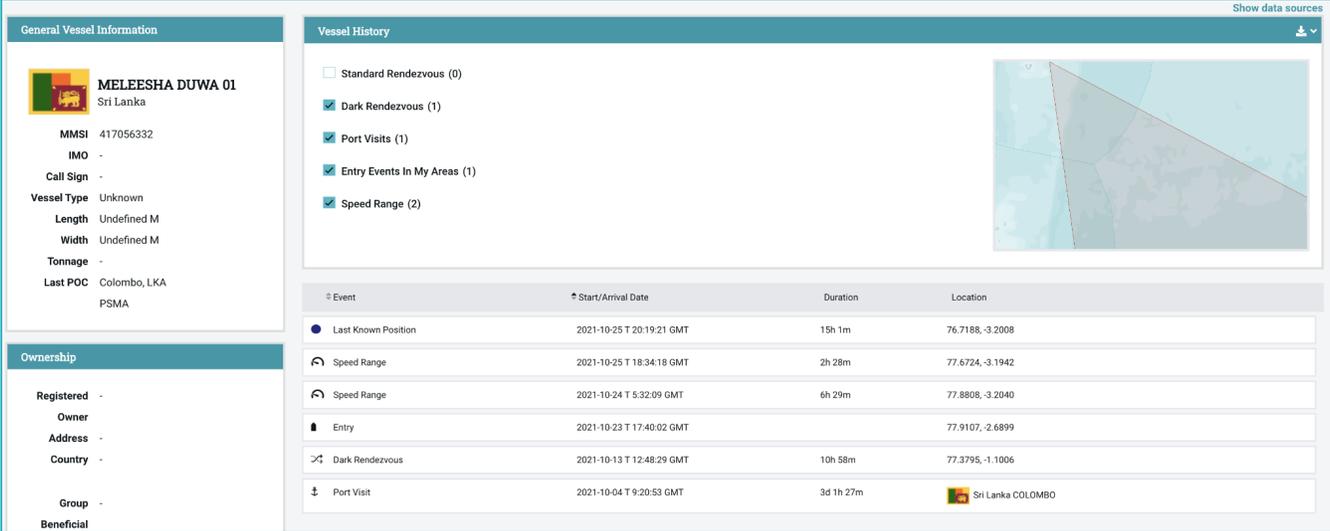


The screenshot displays the SKYLIGHT interface with a map of the Maldives. A speed range event is highlighted for vessel MELEESHA DUWA 01. The event details panel shows the following information:

Speed Range	
Event Date/Time	2021-10-25 T 18:34:18 GMT
Lat, Lon:	-3.1942, 77.6724
 Sri Lanka MMSI: 417056332 Vessel Type: Unknown IMO: - Length: Undefined M Event History: 2 Speed Range Events in My Areas	
Defined Speed Range	Actual Speed Range
Speed Range 5 - 14 knots / 1 nm	2.11 knots, on average for 5.23 nm
Area	Maldives

The sidebar on the right shows a list of events, including 'Speed Range - Maldives', 'Entries - Maldives', and 'Dark Rendezvous'. A 'Tracks Legend' is visible in the bottom left corner of the map area.

Speed Range events will be visible on the Vessel Details screens as well (e.g. when searching for a vessel).



General Vessel Information

MELEESHA DUWA 01
Sri Lanka

MMSI: 417056332
IMO: -
Call Sign: -
Vessel Type: Unknown
Length: Undefined M
Width: Undefined M
Tonnage: -
Last POC: Colombo, LKA
PSMA

Ownership

Registered: -
Owner: -
Address: -
Country: -
Group: -
Beneficial: -

Vessel History

Standard Rendezvous (0)
 Dark Rendezvous (1)
 Port Visits (1)
 Entry Events In My Areas (1)
 Speed Range (2)

Event	Start/Arrival Date	Duration	Location
Last Known Position	2021-10-25 T 20:19:21 GMT	15h 1m	76.7188, -3.2008
Speed Range	2021-10-25 T 18:34:18 GMT	2h 28m	77.6724, -3.1942
Speed Range	2021-10-24 T 5:32:09 GMT	6h 29m	77.8808, -3.2040
Entry	2021-10-23 T 17:40:02 GMT		77.9107, -2.6899
Dark Rendezvous	2021-10-13 T 12:48:29 GMT	10h 58m	77.3795, -1.1006
Port Visit	2021-10-04 T 9:20:53 GMT	3d 1h 27m	Sri Lanka COLOMBO

Getting Alerted to Speed Range Events

You can receive sound and email notifications for Speed Ranges via the same process of setting up alerts used for Rendezvous and Entry events:

1. Click on the Area of Interest on the map. In order to click on the area, it must be visible under the Areas menu and the “My Areas” layer.
2. (Optional) Apply filters, such as vessel type and nationality.
3. Click “Save as Alert” and choose what types of notifications to receive, such as in-app audio and email.



Save alerts for Maldives

Filters (1) Clear ×

Rendezvous
Receive alerts: In-app notifications Email

Entries
Receive alerts: In-app notifications Email

Speed Range 5 - 14 Knots / 1 Nm
Receive alerts: In-app notifications Email

Additional Support Resources

Under the “My Skylight” menu, we have added more support options like how to contact us and find Frequently Asked Questions on our website.

User Profile
Admin
Contact us – support@skylight.global ←
Skylight User Guide (PDF)
Support ^ ←
About
Request Satellite Radar Collection (PDF)
More Support... (PDF)
Log Out