



Xeos Online User Guide

Monitoring System for Iridium Devices

Version: 2.0

Release Date: April 8, 2014

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Introduction

Xeos Online is a web based console for managing devices that use satellite technology as their means of communication. A versatile open framework software, it enables users to monitor their entire inventory of satellite communication devices from personal safety devices to vehicle tracking devices to remote perimeter alarms and more.

About Mapping

Xeos Online uses the OpenStreetMaps mapping framework which has two distinct advantages. The first is that the framework allows for any geographically oriented data in a .wms format (such as meteorological data) to be imported and overlaid on the basic street level mapping. The second is that there is no license charge for the mapping data and other, licensed mapping products such as Google Maps can also be used with this setup.

Version Descriptions

Version	Date Released	Software Version	Description of changes
1.0	March 19 2013	R1603	First release
1.1	March 26, 2013	R1640	Added colour coding to multiple devices displayed
1.2	February 17, 2014	R1882	Incorporating changes including media file management and user account management
2.0	March 15, 2014	R2172	Change in database engine, additional device support, support for Iridium account management

System Setup

Xeos Online is a web based console for managing devices that use satellite technology as their means of communication. A versatile open framework software, it enables users to monitor their entire inventory of satellite communication devices from personal safety devices to vehicle tracking devices to remote perimeter alarms and more.

About This Manual

Xeos Online has three different primary user roles. They are:

User	A user is able to view mapping and messaging data for all devices in his/her organization. They are not able to manage devices (add/remove or change configuration) or users.
Organization Administrator	An organization administrator has the rights and privileges of a user but they are also able to manage devices and users for their organization(s).

They also have control over the forwarders. A Forwarder is a tool to broadcast human readable messages of certain types to people without requiring them to have user access.

System Administrator

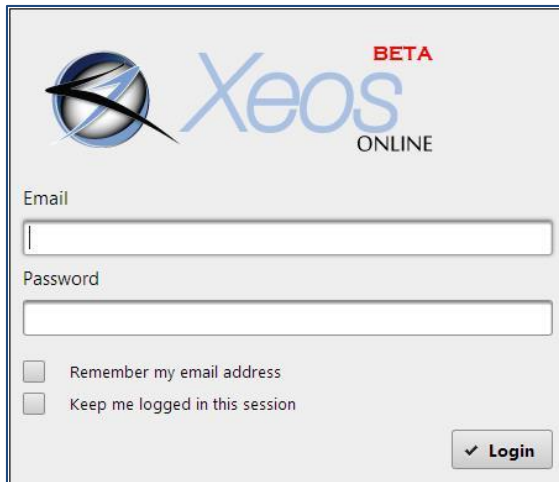
The system administrator has the rights and privileges of an organization administrator but is also able to create and manage organizations. To facilitate that work, the system administrator has access to a separate tab which provides all user and organization information in one place. **Only organizations hosting their own server are able to designate a System Administrator.**

The purpose of this manual is to provide direction for general User functions only. Activities available to Organization Administrators are explained in the separate **Organization Administrators Guide** and those available to System Administrators are available in the **System Administrators Guide**.

Iridium Account Management Access

Xeos Technologies is extending the ability to manage their own Iridium Communication accounts to certain customers. All changes to accounts, including financial or operational repercussions, will be the responsibility of the customers. Customers interested in having this level of access should express interest to activations@xeostech.com.

Login

The image shows a login form for 'Xeos ONLINE BETA'. At the top left is a logo consisting of a blue sphere with a white lightning bolt. To its right is the word 'Xeos' in a large, light blue, stylized font, with 'ONLINE' in a smaller, black, sans-serif font below it. Further right, the word 'BETA' is written in a small, red, sans-serif font. Below the logo and text are two input fields: the first is labeled 'Email' and the second is labeled 'Password'. Below the password field are two checkboxes: the first is labeled 'Remember my email address' and the second is labeled 'Keep me logged in this session'. At the bottom right of the form is a button labeled 'Login' with a small checkmark icon to its left.

1. Your email address will be your user id for this application. Please enter the email address used by your system administrator to create your account.
2. Enter the password.
3. To have your browser remember your username, check the **Remember my email address** box.
4. If you would prefer not to have the session timeout, check **the Keep me logged in this session** box.
5. Click **Login**

Software Version

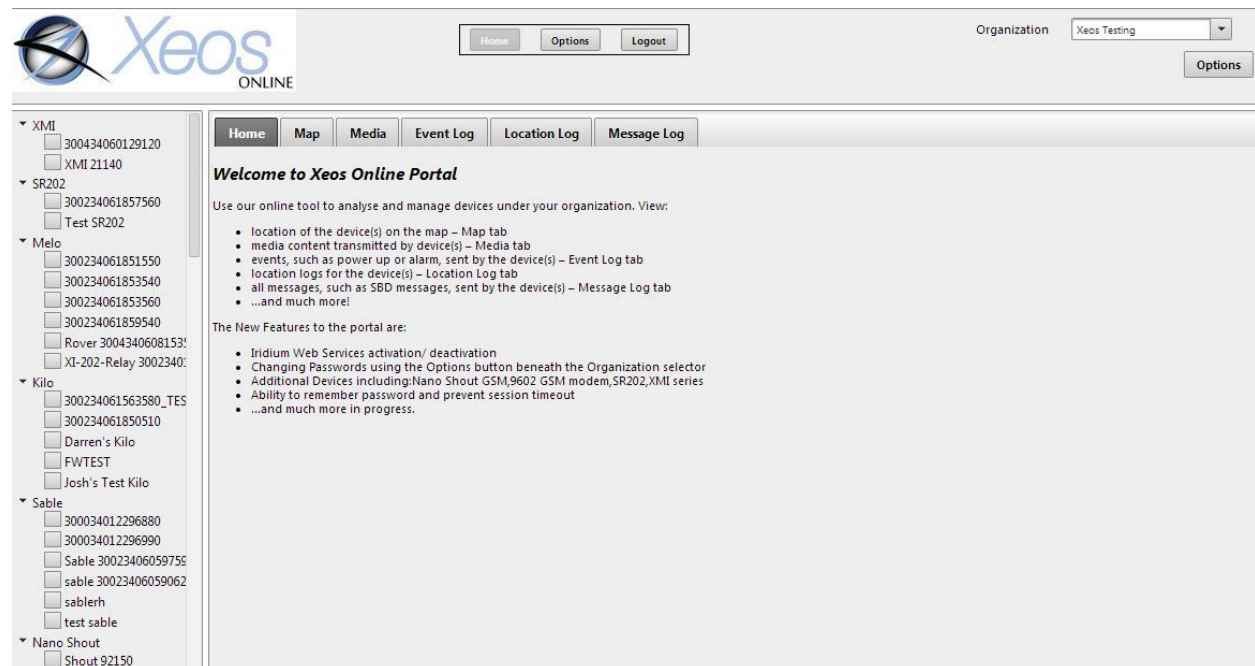
To confirm the version of software you are using, review the version number and date along the bottom left of the screen.

Copyright (c) 2013 Xeos Technologies Inc. (2014/03/12 05:01:09 - R2172)

13 Mar 2014 :: 8:12:15 AM [GMT -7:00]

Xeos Online Toolbars

When you first log in, you are in the main window or **Home** page. This is where data will be displayed on a map and data details are available for review and filtering. Other functions are accessible through the overhead toolbar.



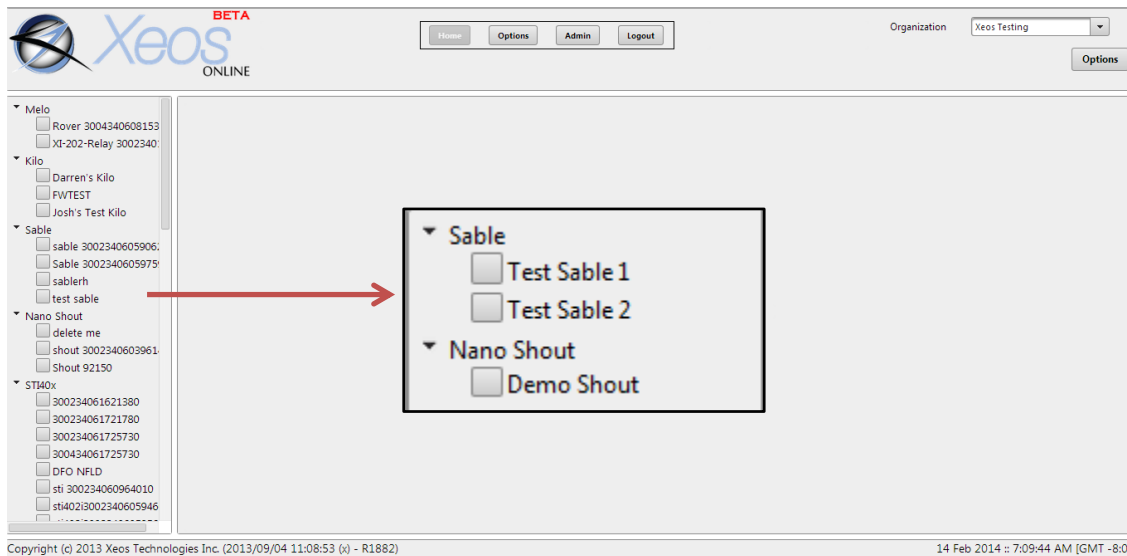
Main Tool Bar



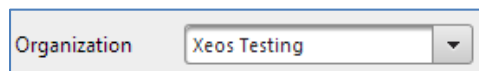
The main tool bar provides access to the key areas of the application:

- Home** This is the window for viewing device locations on maps and reviewing data collected from the devices.
- Options** This is the access to options for extending device use, including SBD Messaging to another Iridium device and 2 way messaging with the Nano Shout.
- Admin** This is the window where device, user, organization and message forwarding will be setup and managed.
- Logout** To exit the application safely, click the Logout button at any time.

Device Sidebar

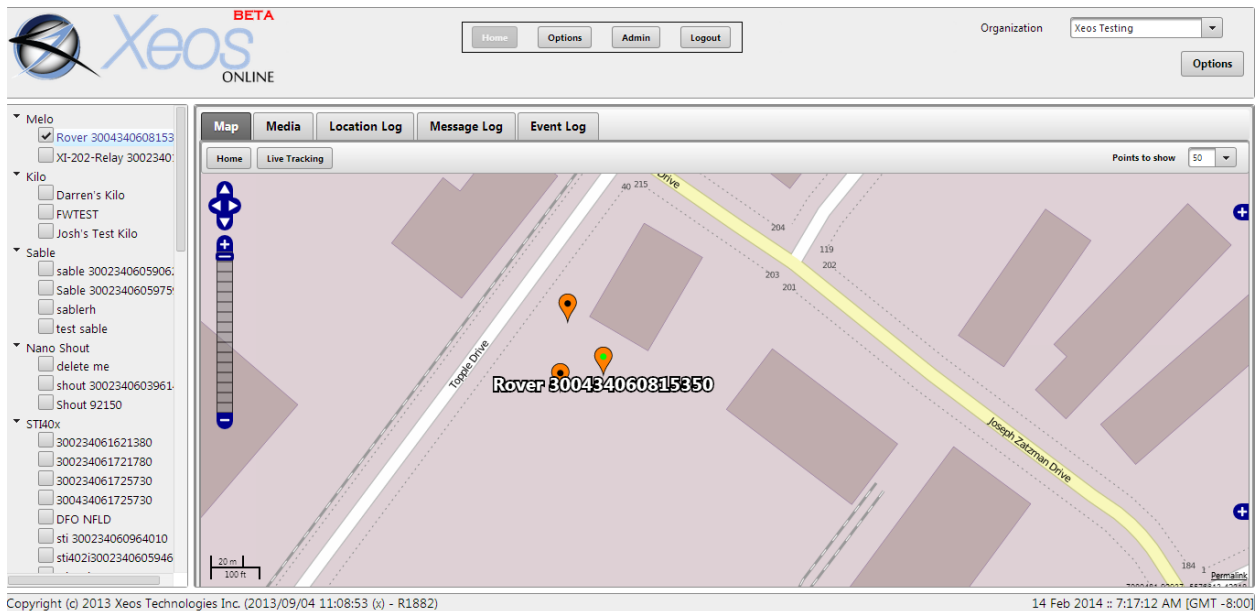


The device side bar contains a collapsible tree of all devices setup *for this organization*. If you are a member of more than one organization, you can switch back and forth between the appropriate details by clicking on the **Organization** drop down list in the top right hand corner of the screen.



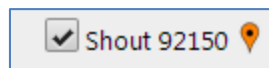
To collapse a device type, click on the arrow beside the name. To expand the list, click on the arrow again.

To view current information about the device location or recent data, simply click the check box next to the device name.

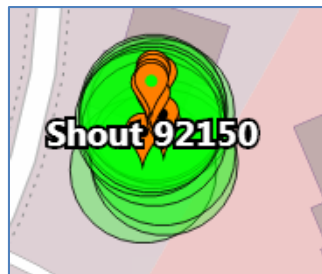


If a location is available, the last known location will be displayed on the map.

More than one device can be checked and visible at the same time.



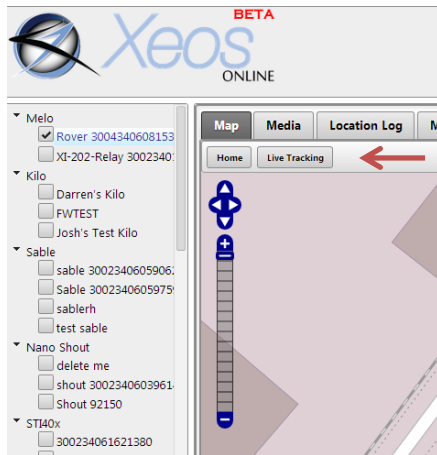
Devices are assigned a coloured marker to make it easier to identify different device locations at a glance. The coloured marker will appear next to the checked device in the device sidebar.

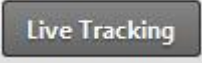


To quickly identify the most recent position, look for a green centre dot in the middle of the marker. Older or historical positions have a black centre.

Live Tracking

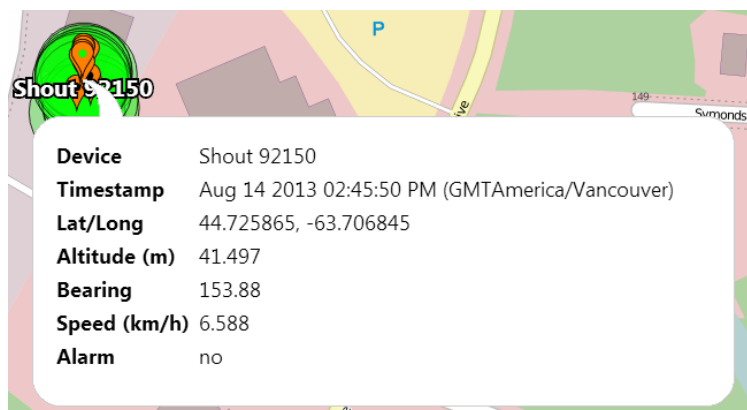
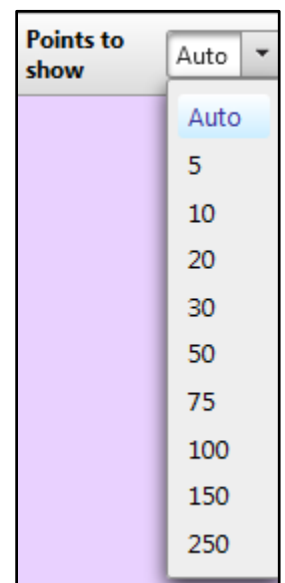
When you check a box, the most recent positions are displayed. To enable Live Tracking in which updates are refreshed on the map, continuously, click the Live Tracking button in the map window.



When the button is dark gray,  it is enabled. Live tracking, in this case, simply means displaying the data as soon as it becomes available. There may be a slight lag created by the satellite communication, email transmission, and map update time cycle (5 sec refresh).

Understanding the Data

- The most recent data point has a green inner circle. Older data has a black inner circle.
- If a device has an active Alarm, the circle will be red. Once the Alarm is disabled, circles will return to green.
- To view additional, historical data points, click on the drop down list labeled **Points to Show** and choose how many historical points you wish displayed. Default is **Auto** which is only the most recent point.
- To get details about a map point displayed on the map, click on the map point.



- A popup appears with time/date stamp, coordinates, bearing and speed and Alarm state. To remove the pop up, click on the red corner in the upper right hand corner.
- To turn live tracking off, simply click the Live Tracking button so that it is light gray.

Viewing Data Details



Map Displays the data on street level maps or custom overlays

Media Information to audio/image files sent by the device as well as timestamp information

Location Log Details on the position information received

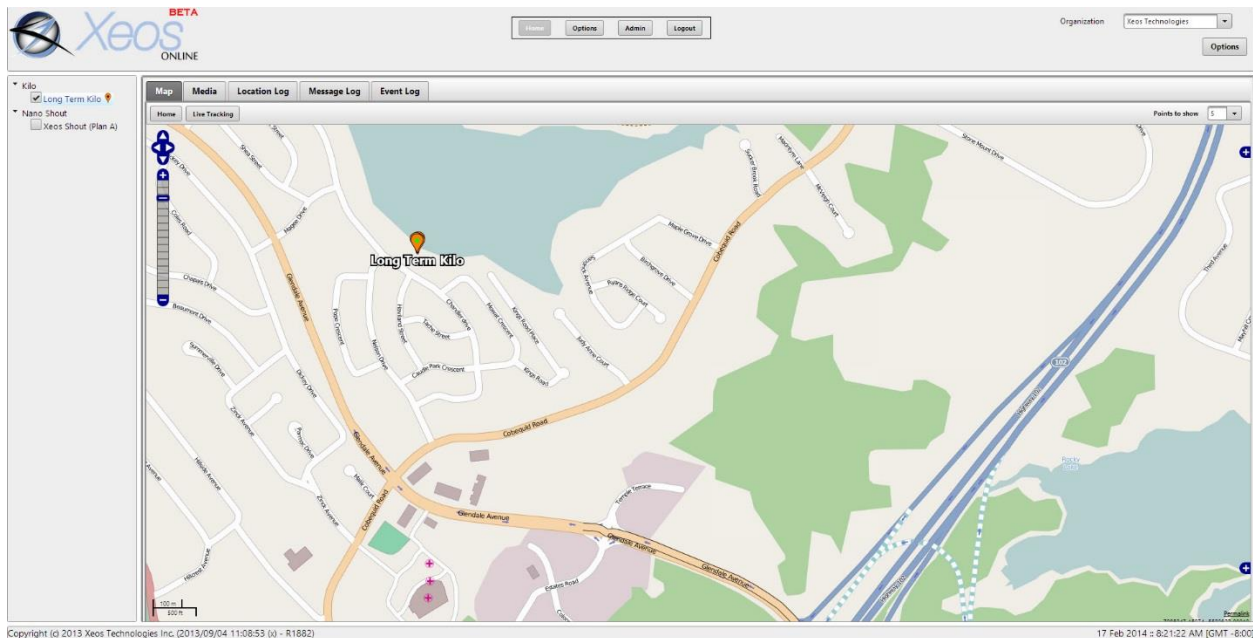
Message Log Details on all messages received

Event Log Details about specific events such as alarms, movement in/out of geo fences or watch circles

NOTE: The data displayed is for ALL checked devices in the sidebar.

Map

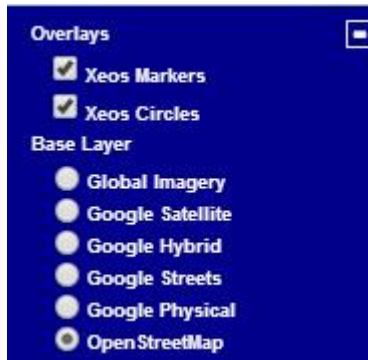
The device position information is displayed automatically on street level map by OpenStreets.



To move the map around in the view, place the cursor over the map area and click – without releasing. Now drag the cursor in the direction you want the map to move. When the map is in the right position, release the mouse button.

Different Map Layers

To view the different map layers available, click on the uppermost + on the right hand side of the map.



A list appears with different options, depending on the ones your organization owns or has imported. Since the Xeos Online framework supports data in a .wms format, additional data can be incorporated as it suits your organizational needs. This may include meteorological data, marine charts, or criminal activity data.

- To view a different base layer, simply select it by clicking on the circle. The background map will immediately update.
- To view different overlays, simply check the appropriate ones. Overlays appear on top of the base map layer.

NOTE: Removing the checkmark from Xeos Circles and Xeos Markers will interfere with live tracking and viewing data on the map.

Thumbnail Map Control

The mapping framework used by Xeos Online also has a thumbnail control. It allows you to move the detailed map around by manipulating a control in a larger area map thumbnail.

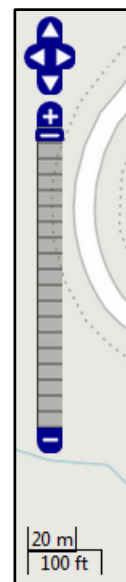
1. Click on the lower + on the right hand side of the map.
2. Using your mouse, drag the small red square around the thumbnail and the detailed map will also change.



Map Scale Bar

As with most maps, there is a scale control on the left hand side of the map display.

- Simply click or slide the control to the level of detail that is most appropriate for your use.
- + indicates an increase in the level of detail (towards street level)
- - indicates a decrease in the level of detail (towards city level)
- Use the arrow keys to move the map around
- Click and drag the map to move it as well
- The scale bar also includes the scale of map detail at the bottom in metric and imperial.



Media

Xeos Online is able to manage devices which record audio or images for transmission back to the central monitoring station. All details about these media files are found in this tab. To view the media files, click on the **Media** tab.

Map

Media

Location Log

Message Log

Event Log

Refresh

50

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<&

If there are no media files for this device, this tab will be empty of records.



For quick reference in moving between the map and other records, the current colour tag associated with the device is displayed.

ID This is a unique identifier assigned by the database to media records.

Message ID This is a unique identifier assigned by the database to messages. The corresponding message details can be found in the Message Log

	61461	#1	Jul 16 2013 09:51:36 AM	Jul 16 2013 09:51:09 AM	Incoming	Timestamp: 2013-07-16T16:51:09.342Z, Event: Audio Recording, File name: 1476_3002
--	-------	----	-------------------------	-------------------------	----------	---

Device This is the common name for the device as displayed in the Device Sidebar

Timestamp Timestamp for the message/audio file. The GMT Offset in your options has been applied. Ex. If the timestamp was 09:34:45 GMT and your GMT Offset is set to -5 Hours (EST), the timestamp would display 04:34:45 AM.

File Name Name of the media file in the database.

Length Depends on the type of file or message. Expressed in seconds for audio files, bytes for log messages and video images.

Listen Audio controls for replaying the audio file.



Download Download the media file, to the current location.

Location Log

The location log displays only messages relating to position. The information is broken out to make sorting and analyzing data easier.

Map Media Location Log Message Log Event Log											
Refresh											
50 (1 of 5)											
	ID ↕	Message ID ↕	Device ↕	Timestamp ↕	Latitude	Longitude	Alarm	Bearing	Speed (km/h)	Altitude (m)	SNR
📍	64360	80786	Shout 92150	Aug 14 2013 02:45:50 PM	44.725865	-63.706845	false	153.88	6.588	41.497	-
📍	64358	80784	Shout 92150	Aug 14 2013 02:44:51 PM	44.725848	-63.706868	false	0.0	1.944	39.93	-
📍	64357	80783	Shout 92150	Aug 14 2013 02:43:45 PM	44.725807	-63.706830	false	0.0	1.98	33.735	-
📍	64356	80782	Shout 92150	Aug 14 2013 02:42:39 PM	44.725882	-63.706842	false	0.0	2.196	43.833	-
📍	64355	80781	Shout 92150	Aug 14 2013 02:41:37 PM	44.725907	-63.706830	false	162.66	2.52	41.223	-
📍	64353	80779	Shout 92150	Aug 14 2013 02:37:35 PM	44.725918	-63.706837	false	154.62	6.012	41.704	-
📍	64352	80778	Shout 92150	Aug 14 2013 02:36:28 PM	44.725722	-63.706780	false	0.0	2.844	28.608	-
📍	64351	80777	Shout 92150	Aug 14 2013 02:35:23 PM	44.725678	-63.706767	false	0.0	0.576	21.225	-
📍	64349	80775	Shout 92150	Aug 14 2013 02:34:17 PM	44.725895	-63.706787	false	183.23	15.552	41.8	-
📍	64348	80774	Shout 92150	Aug 14 2013 02:33:15 PM	44.725645	-63.706897	false	0.0	0.9	33.542	-
📍	64347	80773	Shout 92150	Aug 14 2013 02:32:19 PM	44.725842	-63.706787	false	178.21	7.56	33.629	-
📍	64344	80770	Shout 92150	Aug 14 2013 02:28:09 PM	44.725473	-63.706992	false	179.15	2.808	5.906	-
📍	64343	80769	Shout 92150	Aug 14 2013 02:27:03 PM	44.725458	-63.706908	false	141.01	5.04	16.684	-
50 (1 of 5)											
Showing all messages Total Rows: 233 CSV Excel PDF XML											



For quick reference in moving between the map and other records, the current colour tag associated with the device is displayed.

ID Unique identifier assigned by the database to location messages

Message Id Unique identifier assigned by the database to all messages

Device This is the common name for the device as displayed in the Device Sidebar

Timestamp Timestamp for the message/audio file. The GMT Offset in your options has been applied. Ex. If the timestamp was 09:34:45 GMT and your GMT Offset is set to -5 Hours (EST), the timestamp would display 04:34:45 AM.

Latitude Latitude included in the position message.

Longitude Longitude included in the position message.

Alarm Alarm state, true or false, of the message

Bearing	Calculated direction of travel
Speed	Calculated speed in km/h
Altitude	Calculated altitude in m
SNR	The detected <i>signal to noise ratio</i> or signal strength of the received transmission from the GPS satellites in view.

Message Log

All messages received by Xeos Online from the device, regardless of type, are in the Message Log. By default, they are sorted in the order they were received for an overview of activity.

Map	Media	Location Log	Message Log	Event Log		
Refresh						
50 1 2 (2 of 6) 3 4						
	id	Device	Date Processed	SBD Date	Direction	
	80640	Shout 92150	Aug 14 2013 12:14:53 PM	Aug 14 2013 12:15:10 PM	Incoming	Latitude: 44.725668, Longitude: -63.706902, Timestamp: 2013-08-14T19:14:53.000Z, Horizontal Dilution of precision (HDOP): 1
	80638	Shout 92150	Aug 14 2013 12:13:47 PM	Aug 14 2013 12:14:00 PM	Incoming	Latitude: 44.725748, Longitude: -63.706885, Timestamp: 2013-08-14T19:13:47.000Z, Horizontal Dilution of precision (HDOP): 1
	80636	Shout 92150	Aug 14 2013 12:12:41 PM	Aug 14 2013 12:12:57 PM	Incoming	Latitude: 44.725587, Longitude: -63.706908, Timestamp: 2013-08-14T19:12:41.000Z, Horizontal Dilution of precision (HDOP): 1
	80634	Shout 92150	Aug 14 2013 12:11:48 PM	Aug 14 2013 12:12:06 PM	Incoming	Latitude: 44.725948, Longitude: -63.706805, Timestamp: 2013-08-14T19:11:48.000Z, Horizontal Dilution of precision (HDOP): 1
	80630	Shout 92150	Aug 14 2013 12:10:34 PM	Aug 14 2013 12:10:51 PM	Incoming	Latitude: 44.725848, Longitude: -63.706873, Timestamp: 2013-08-14T19:10:34.000Z, Horizontal Dilution of precision (HDOP): 1
	80627	Shout 92150	Aug 14 2013 12:05:26 PM	Aug 14 2013 12:05:38 PM	Incoming	Latitude: 44.725645, Longitude: -63.706860, Timestamp: 2013-08-14T19:05:26.000Z, Horizontal Dilution of precision (HDOP): 1
	80625	Shout 92150	Aug 14 2013 12:04:20 PM	Aug 14 2013 12:04:38 PM	Incoming	Latitude: 44.725715, Longitude: -63.706867, Timestamp: 2013-08-14T19:04:20.000Z, Horizontal Dilution of precision (HDOP): 1
	80623	Shout 92150	Aug 14 2013 12:03:15 PM	Aug 14 2013 12:03:35 PM	Incoming	Latitude: 44.725708, Longitude: -63.706855, Timestamp: 2013-08-14T19:03:15.000Z, Horizontal Dilution of precision (HDOP): 1
	80621	Shout 92150	Aug 14 2013 12:02:11 PM	Aug 14 2013 12:02:44 PM	Incoming	Latitude: 44.725727, Longitude: -63.706848, Timestamp: 2013-08-14T19:02:11.000Z, Horizontal Dilution of precision (HDOP): 1
	80618	Shout 92150	Aug 14 2013 12:01:10 PM	Aug 14 2013 12:01:41 PM	Incoming	Latitude: 44.725765, Longitude: -63.706838, Timestamp: 2013-08-14T19:01:10.000Z, Horizontal Dilution of precision (HDOP): 1
	80609	Shout 92150	Aug 14 2013 11:57:02 AM	Aug 14 2013 11:57:14 AM	Incoming	Latitude: 44.725573, Longitude: -63.706862, Timestamp: 2013-08-14T18:57:02.000Z, Horizontal Dilution of precision (HDOP): 1
	80608	Shout 92150	Aug 14 2013 11:55:57 AM	Aug 14 2013 11:56:18 AM	Incoming	Latitude: 44.725468, Longitude: -63.706840, Timestamp: 2013-08-14T18:55:57.000Z, Horizontal Dilution of precision (HDOP): 1
	80603	Shout 92150	Aug 14 2013 11:54:51 AM	Aug 14 2013 11:55:10 AM	Incoming	Latitude: 44.725552, Longitude: -63.706830, Timestamp: 2013-08-14T18:54:51.000Z, Horizontal Dilution of precision (HDOP): 1
50 1 2 (2 of 6) 3 4						
Showing all messages		Total Rows: 286	CSV	Excel	PDF	XML



For quick reference in moving between the map and other records, the current colour tag associated with the device is displayed.

Id	Unique identifier assigned by the database to all incoming messages. Shown as Message Id in other panes.
Device	This is the common name for the device as displayed in the Device Sidebar
Date Processed	The date the message was processed by Xeos Online. (UTC Offset applies)
SBD Date	Timestamp upon which the message was sent by device (UTC Offset applies)
Direction	Incoming means the message was transmitted by the device. Outgoing means the message was transmitted to the device.
Message	Message contents.

Reviewing Data

The same controls exist for all logs.

Sorting data

To sort the data by a particular column, example SBD Date, click on the column header. To sort with the opposite priority, example newest to oldest instead of oldest to newest, click on the header again.

Date Processed ↕	SBD Date ▼	Direction ↕
Aug 14 2013 12:14:53 PM	Aug 14 2013 12:15:10 PM	Incoming
Aug 14 2013 12:13:47 PM	Aug 14 2013 12:14:00 PM	Incoming
Aug 14 2013 12:12:41 PM	Aug 14 2013 12:12:57 PM	Incoming
Aug 14 2013 12:11:48 PM	Aug 14 2013 12:12:06 PM	Incoming
Aug 14 2013 12:10:34 PM	Aug 14 2013 12:10:51 PM	Incoming
Aug 14 2013 12:05:26 PM	Aug 14 2013 12:05:38 PM	Incoming
Aug 14 2013 12:04:20 PM	Aug 14 2013 12:04:38 PM	Incoming
Aug 14 2013 12:03:15 PM	Aug 14 2013 12:03:35 PM	Incoming
Aug 14 2013 12:02:11 PM	Aug 14 2013 12:02:44 PM	Incoming

Filtering Data

By default, all data available is displayed when you enter the Message or GPS Log tabs. To sort the data by a custom date range, click on the **Showing All Records** button on the bottom tool bar.

Showing all messages	Total Rows: 3959	CSV	Excel	PDF	XML
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The tool bar changes to allow a custom date filter.

Custom Date Filter	Date Range	08/07/2013 09:14:43	07/20/2013 06:19:18	Total Rows: 233
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Enter the start and end date of the range of data you wish to look at. Remember all times reflect the UTC offset of your account.

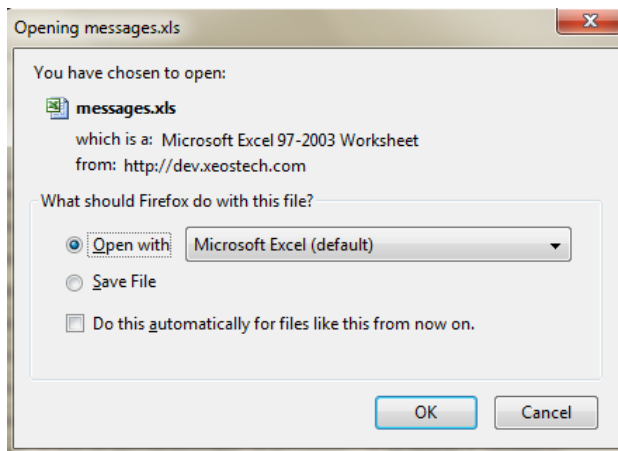
Note: Pay attention to the times as well since using 1/1/2012 00:00:00 will include all data gathered on 1/1/2012 and 1/1/2012 23:59:59 will exclude all data gathered on 1/1/2012.

The data set will be updated as soon as you change the field. To return to the full data set, click on the button now labeled **Custom Date Filter** and the data set will be refreshed.

NOTE: if you make a change to narrow the date set, you cannot run a new filter that includes data outside of the changed date set. Example, if the original end date is March 15 and you run a filter for March 10, you cannot change it to March 12 without going back to the full data set first.

Exporting Data

All data sets (full or filtered) can be exported for better analysis. Simply ensure the data set you want is in the appropriate Log (full or filtered as you wish) and then click on the appropriate button. The options are CSV, EXCEL (97-2003 format), PDF and XML.



Follow the prompts for saving or opening the data as appropriate. Different internet browsers, settings or applications may result in different prompts.

Troubleshooting

For assistance with Xeos Online or Xeos Iridium devices, please call 902-444-7650.

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Xeos Technologies Inc. warrants that the product will perform substantially in accordance with the accompanying written materials for a period of one year from the date of receipt.

This Limited Warranty is void if failure of the product has resulted from accident, abuse, or misapplication.

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