

So You Think You Got A Shoal: AISAP - Exercise 5 – Request New AIS Data

Before starting: · You need an AISAP account with a username and password.

Exercise Goal: Learn how to submit a query for AIS data to the U.S. Coast Guard National AIS archive.

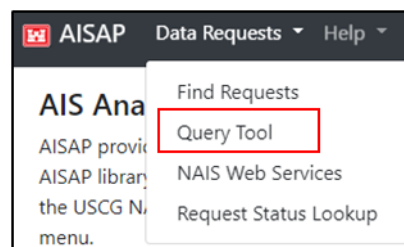
You should only submit a new request AFTER checking the AISAP Library to see if the data you need is already inside the Library. If you are unsure about 'how big of a query is too big' or you need a lot of data for a special project, then please email marin.m.kress@usace.army.mil.

Submitting a New Query to the USCG Archive

1. Log in to AISAP-Cloud https://aisap.usacegis.us/aisap_portal/home.html

2. Click the **Data Requests** drop down tab and select **Query Tool**.

This will take you to the query tool / data request page.



3. The **Email** field should automatically populate with the address associated with your AISAP account.

A screenshot of the AISAP 'Query Tool' page. The 'Email' field is populated with 'patricia.k.dijoseph'. The page contains instructions for submitting a query, including a note about email delivery and a 'Reload Request Parameters' button. The 'Email' field is highlighted with a red rectangle.

4. Enter the **Start Time** for the data as 02/01/2021 12:00:00 AM or use the calendar feature to select it.

All AIS times are in UTC, not local time.

A screenshot of the AISAP 'Query Tool' page. The 'Start Time' field is empty. To its right is a calendar widget for February 2021, with the 1st highlighted in red. The 'Which Vessels?' section has 'All MMSIs' selected. The 'Draw' button is at the bottom right.

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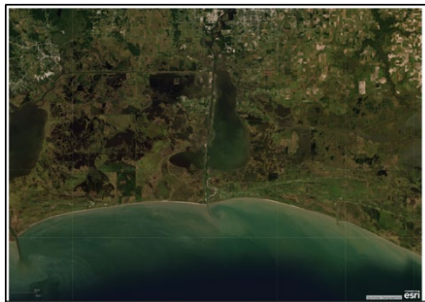
5. Enter the **End Time** for the data as 02/02/2021 12:00:00 AM or use the calendar feature to select it.

Start Time	02/01/2021 12:00:00 AM	
End Time	02/02/2021 12:00:00 AM	

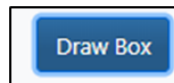
6. For **Which Vessels?** select “All MMSIs”

Which Vessels?	☒ All MMSIs	☐ Selected MMSIs
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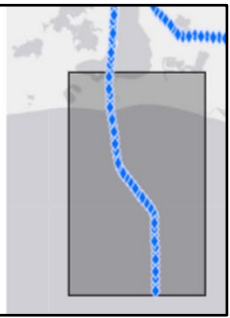
7. To select the spatial extent of the query, first position the map over the area you want to query, such as the Calcasieu area or an area in your Division you’d like data for.



8. Next, click on **DRAW BOX**.



9. Draw your query request box over your chosen area by clicking (and holding down) your mouse on the map where you want one corner of your box to be and then drag your mouse to the diagonal corner, then release the mouse to finish drawing.

Draw a bounding box or enter the coordinates manually.		
Upper Left Lat	29.850639317170888	
Upper Left Lon	-93.45873431623625	
Lower Right Lat	29.32608676492217	
Lower Right Lon	-93.08931903303296	

Note the bounding box coordinates will automatically populate based on the box you draw.

10. Leave the **Min Speed** and **Max Speed** at the Default values of 0 knots and 25 knots.

Min Speed (knots)	0
Max Speed (knots)	25

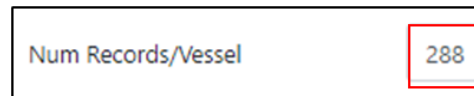
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11. Enter a **Sampling Rate** (aka ‘ping rate’) of 5 and select “minutes” from the time unit drop down menu.



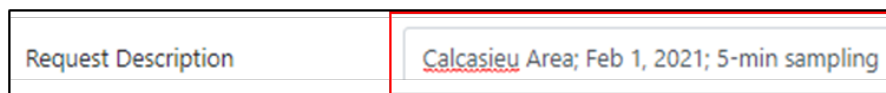
The screenshot shows a form with three input fields: 'Sampling Rate', 'Num Records/Vessel', and 'Request Description'. The 'Sampling Rate' field contains the number '5'. To its right is a dropdown menu for time units with options 'seconds', 'minutes', 'hours', and 'days'. The 'minutes' option is selected and highlighted in blue. Red boxes highlight the '5' and the 'minutes' dropdown.

12. The **Num Records/Vessel** will automatically calculate and populate based on your time period and sampling rate.



The screenshot shows the 'Num Records/Vessel' field with the value '288' populated. A red box highlights the value.

13. Type in the **Request Description** “Calcasieu Area; Feb 1, 2021; 5-min sampling”.
This request description will be viewable/searchable to all AISAP users. *You must have text in this box to submit the request.*



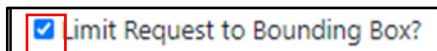
The screenshot shows the 'Request Description' field with the text 'Calcasieu Area; Feb 1, 2021; 5-min sampling' entered. A red box highlights the text.

14. Uncheck the box that says “Include KML Track Lines?”



The screenshot shows a checkbox labeled 'Include KML Track Lines?'. The checkbox is unchecked. A red box highlights the checkbox.

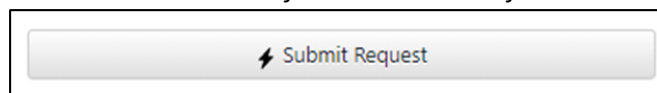
15. Check the box that says “Limit Request to Bounding Box?”



The screenshot shows a checkbox labeled 'Limit Request to Bounding Box?'. The checkbox is checked. A red box highlights the checkbox.

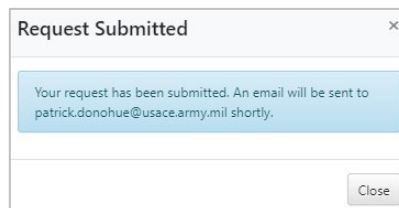
16. Click the **Submit Request** button.

If the Submit Request button is unclickable check for errors or blank field boxes.



The screenshot shows a button labeled 'Submit Request' with a lightning bolt icon. The button is grey and appears to be disabled or unclickable.

17. A pop-up window will confirm the query submission. You will also receive an auto-generated email confirming the submission. You will get a second email when the data from your request is ready.



The screenshot shows a pop-up window titled 'Request Submitted'. It contains the text: 'Your request has been submitted. An email will be sent to patrick.donohue@usace.army.mil shortly.' and a 'Close' button.

End of Exercise 5.