

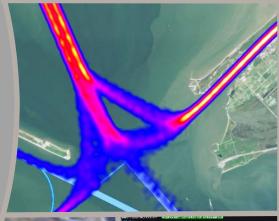
AUTOMATIC IDENTIFICATION SYSTEM ANALYSIS PACKAGE AISAP LESSON 3: SUBMITTING A QUERY

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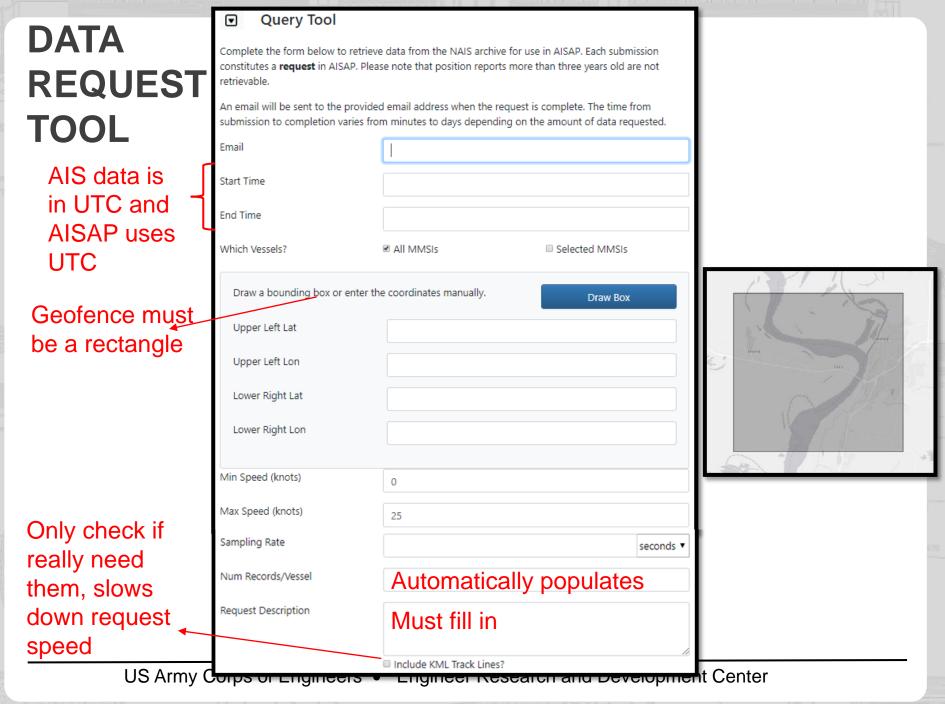
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EL 365.00	FL 373.00	N 2023







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NUM RECORDS/VESSEL LIMITS

- AISAP will not accept your request if you violate these limits:
 - For Sampling Rates < 5 minutes
 - max num records/vessel = 1,500
- For Sampling Rates \geq 5 minutes
 - max num records/vessel = 15,000
- What to do if violate the limits:
 - Change the sampling rate
 - And/or decrease the time period (i.e. break the request up into multiple requests)
 Start Time 2018 11 01T00:00:00

Num Record	ds/Vessel	17580	
Sampling Ra	ate	5	minutes
End Time	2019-01-01	T00:00:00	
Start Time	2018-11-01	T00:00:00	

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NUM RECORDS PER VESSEL CALCULATION

How to Calculate the Number of Records: Num records = time period length / sampling rate (make sure to put time period length in same unit as sampling rate)

Example 1:

Given: Time period: 2019-01-01T00:00:00 to 2019-01-02T00:00:00 Sampling rate: 1 hour/record. Calculate the number of records. Solution:

Time period length: 24 hours

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Num records/vessel = (24 hours) / (1 hour/record) = 24 records
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Example 2: Given Time period: 2018-12-01T00:00:00 to 2018-12-02T00:00:00 Sampling rate: 5 minutes/record. Calculate the number of records. Solution:

Time period length: 1,440 minutes

Num records/vessel = (1,440 minutes) / (5 minutes /record) = 288 records

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QUERY DO'S AND DON'TS

- 1. Do submit queries when needed.
- 2. Do check the data library first.
- 3. Don't ask for a year of data, for the entire country, at once.
- 4. Do contact us if you need a large amount of data.
- 5. Do utilize the Reload Request Parameters function.
- 6. Do modify your search if no data was returned or contact us.
- 7. Do enter an informative description.
- 8. Don't write anything in the description you don't want others to see.
- 9. Do understand the larger the query (time period, area, sampling rate) and, the more queries running at once, the slower it takes to run.
- 10. Don't wait to submit your queries to the last minute.
- 11. Do check the request status lookup.
- 12. Don't hesitate to contact us if you have questions / need help.

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RETURNED DATA

- On Cloud site https://aisap.usacegis.us/aisap_portal/home.html
 - Data is returned for all vessels that passed through your bounding box during the time period specified
 - For these vessels, you'll receive any AIS data that falls within your bounding box during the time period
- On regular site https://ais-portal.usace.army.mil/
 - Data is returned for all vessels that passed through your bounding box during the time period specified
 - For these vessels, you'll receive any AIS data for any location they traveled during the time period (even outside the bounding box)
- If a vessel's speed was 0 the entire time period, it won't be returned
- Developers are working to make both options available to both sites



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THANK YOU

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http://cirp.usace.army.mil/techtransfer/workshops /AIS2019/AIS-Workshop.php



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